

Appendix B.

Smart SoA and Research Agenda by Topic.

Elena Kornyshova¹, Rebecca Deneckère², Eric Gressier-Soudan¹, John Murray³, Sjaak Brinkkemper⁴

¹ CEDRIC, Conservatoire National des Arts et Métiers, France

² Centre de Recherche en Informatique, Université Paris 1 Panthéon Sorbonne, France

³ San José State University, California, USA

⁴ Utrecht University, Netherlands

elena.kornyshova@cnam.fr, rebecca.deneckere@univ-paris1.fr, eric.gressier_soudan@cnam.fr, john.murray@sjsu.edu, S.Brinkkemper@uu.nl

Macro-topic	References
smart application	A review on inkjet printing of CNT composites for smart applications, S., Kholghi Eshkalak et al., <i>Applied Materials Today</i> , 2017, DOI: 10.1016/j.apmt.2017.09.003
	A review on smart application of supplemental lighting in greenhouse fruiting vegetable production, X., Hao et al., <i>Acta Horticulturae</i> , 2018, DOI: 10.17660/ActaHortic.2018.1227.63
	A Survey of Common IOT Communication Protocols and IOT Smart-X Applications of 5G Cellular, K.C., Chu et al., <i>Smart Innovation, Systems and Technologies</i> , 2021, DOI: 10.1007/978-981-33-6420-2_15
	A survey of software engineering best practices for the development of smart applications in Ambient Intelligence, D., Preuveneers et al., <i>Journal of Ambient Intelligence and Smart Environments</i> , 2012, DOI: 10.3233/AIS-2012-0150
	Smart applications for diabetes management: A comprehensive survey and ranking, M., Ubaid Ur Rehman et al., <i>Health Informatics Journal</i> , 2020, DOI: 10.1177/1460458219869159
	Smart applications in IoT - A systematic review, Rao, A. Nageshwara et al., <i>AIP Conference Proceedings</i> , 2021, DOI: 10.1063/5.0061309
smart charging	Grid-to-Vehicle Smart Charging Strategies for Electric Vehicles Aggregator: A Review and Outlook, S., Sharma et al., 2019 8th International Conference on Power Systems: Transition towards Sustainable, Smart and Flexible Grids, ICPS 2019 , 2019, DOI: 10.1
	Plug-in electric vehicles in electric distribution networks: A review of smart charging approaches, J., Garcia-Villalobos et al., <i>Renewable and Sustainable Energy Reviews</i> , 2014, DOI: 10.1016/j.rser.2014.07.040
	Quo vadis smart charging? A literature review and expert survey on technical potentials and user acceptance of smart charging systems, J., Huber et al., <i>World Electric Vehicle Journal</i> , 2019, DOI: 10.3390/wevj10040085
	Smart Charging for Electric Vehicles: A Survey from the Algorithmic Perspective, Q., Wang et al., <i>IEEE Communications Surveys and Tutorials</i> , 2016, DOI: 10.1109/COMST.2016.2518628
	Smart charging of electric vehicles considering photovoltaic power production and electricity consumption: A review, R., Fachrizal et al., <i>eTransportation</i> , 2020, DOI: 10.1016/j.etrans.2020.100056
	Smart ev charging: A global review of promising practices, J., Hildermeier et al., <i>World Electric Vehicle Journal</i> , 2019, DOI: 10.3390/wevj10040080
smart city	A Bibliometric Analysis and Research Agenda on Smart Cities, S.F., Wamba et al., <i>IFIP Advances in Information and Communication Technology</i> , 2019, DOI: 10.1007/978-3-030-20671-0_22

	A Bibliometric Review of Smart Cities and Migration, A.M., Mouazen et al., Springer Proceedings in Complexity , 2021, DOI: 10.1007/978-3-030-62066-0_11
	A brief review of convolutional neural networks based solutions for smart parking systems, P., Meduri et al., Proceedings - 2018 International Conference on Computational Science and Computational Intelligence, CSCI 2018 , 2018, DOI: 10.1109/CSCI46756.20
	A comparison of smart city research and practice in Sweden and Japan: trends and opportunities identified from a literature review and co-occurrence network analysis, Sakuma, Natsumi et al., Sustainability Science, 2021, DOI: 10.1007/s11625-021-01005-x
	A conceptual enterprise architecture framework for smart cities: A survey based approach, G., Kakarontzas et al., ICE-B 2014 - Proceedings of the 11th International Conference on e-Business, Part of ICETE 2014 - 11th International Joint Conference on e-B
	A critical review of selected smart city assessment tools and indicator sets, A., Sharifi et al., Journal of Cleaner Production , 2019, DOI: 10.1016/j.jclepro.2019.06.172
	A critical review of the smart city in relation to citizen adoption towards sustainable smart living, M.J., Nikki Han et al., Habitat International , 2021, DOI: 10.1016/j.habitatint.2021.102312
	A global perspective of smart cities: A survey, S., Pellicer et al., Proceedings - 7th International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing, IMIS 2013 , 2013, DOI: 10.1109/IMIS.2013.79
	A literature review on Smart Cities: Paradigms, opportunities and open problems, A., Arroub et al., Proceedings - 2016 International Conference on Wireless Networks and Mobile Communications, WINCOM 2016: Green Communications and Networking , 2016, DOI:
	A literature survey on smart cities, C.T., Yin et al., Science China Information Sciences , 2015, DOI: 10.1007/s11432-015-5397-4
	A Review of AI for Urban Planning: Towards Building Sustainable Smart Cities, A.K., Jha et al., Proceedings of the 6th International Conference on Inventive Computation Technologies, ICICT 2021 , 2021, DOI: 10.1109/ICICT50816.2021.9358548
	A review of artificial intelligence-based optimization techniques for the sizing of integrated renewable energy systems in smart cities, A.B., Kanase-Patil et al., Environmental Technology Reviews , 2020, DOI: 10.1080/21622515.2020.1836035
	A review of human mobility research based on big data and its implication for smart city development, A., Wang et al., ISPRS International Journal of Geo-Information , 2021, DOI: 10.3390/ijgi10010013
	A review of IoT-based smart waste level monitoring system for smart cities, A.A.I., Shah et al., Indonesian Journal of Electrical Engineering and Computer Science , 2021, DOI: 10.11591/ijeecs.v21.i1.pp450-456
	A review of measures to evaluate smart sustainable cities, J., Backhouse et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2020, DOI: 10.1007/978-3-030-51005-3_17
	A review of methods for modelling shared decision-making process in a smart city living lab, T.T.H., Giang et al., 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New
	A review of routing protocol selection for wireless sensor networks in smart cities, M., Khalil et al., 2018 24th Asia-Pacific Conference on Communications, APCC 2018 , 2019, DOI: 10.1109/APCC.2018.8633456
	A review of smart cities based on the internet of things concept, S., Talari et al., Energies , 2017, DOI: 10.3390/en10040421
	A review of smart city index's success factors, H., Vasudavan et al., Journal of Advanced Research in Dynamical and Control Systems , 2020, DOI: 10.5373/JARDCS/V12SP1/20201114

	A review of smart parking using internet of things (IoT), S., Rupanr et al., Procedia Computer Science , 2019, DOI: 10.1016/j.procs.2019.11.023
	A Review on Internet of Things Solutions for Intelligent Energy Control in Buildings for Smart City Applications, I., Khajenasiri et al., Energy Procedia , 2017, DOI: 10.1016/j.egypro.2017.03.239
	A review on non-terrestrial wireless technologies for Smart City Internet of Things, A., Wang et al., International Journal of Distributed Sensor Networks , 2020, DOI: 10.1177/1550147720936824
	A review on optimization strategies integrating renewable energy sources focusing uncertainty factor – Paving path to eco-friendly smart cities, Mahmood, Danish et al., Sustainable Computing: Informatics and Systems, 2021, DOI: 10.1016/j.suscom.2021.10055
	A Review on Smart IOT Based Parking System, A.A., Saleem et al., Advances in Intelligent Systems and Computing , 2020, DOI: 10.1007/978-3-030-36056-6_26
	A Review on the effects of IoT and Smart Cities Technologies on Urbanism, A., Shahraki et al., South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference, SEEDA_CECNSM 2018 , 2018, DOI: 10.23919/SEEDA-CECNSM.
	A review on the Internet of Things and Big Data Analytics Based on Smart Cities, Kasubi, John W. et al., Proceedings - International Conference on Artificial Intelligence and Smart Systems, ICAIS 2021, 2021, DOI: 10.1109/ICAIS50930.2021.9395958
	A Review on Traffic Prediction Methods for Intelligent Transportation System in Smart Cities, X., Chen et al., Proceedings - 2019 12th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics, CISP-BMEI 2019 , 2019, D
	A smart city remembers its past: Citizens as sensors in survey and mapping of historic places, J., Minner et al., New Approaches, Methods, and Tools in Urban E-Planning , 2018, DOI: 10.4018/978-1-5225-5999-3.ch004
	A Study of Application and Framework Smart City in Bandung: A Survey, M., Fadli et al., IOP Conference Series: Materials Science and Engineering , 2019, DOI: 10.1088/1757-899X/662/2/022083
	A survey of applicability of military data model architectures for smart city data consumption and integration, M., Pradhan et al., IEEE World Forum on Internet of Things, WF-IoT 2018 - Proceedings , 2018, DOI: 10.1109/WF-IoT.2018.8355226
	A Survey of Blockchain Technology Applied to Smart Cities: Research Issues and Challenges, J., Xie et al., IEEE Communications Surveys and Tutorials , 2019, DOI: 10.1109/COMST.2019.2899617
	A survey of data fusion in smart city applications, B.P.L., Lau et al., Information Fusion , 2019, DOI: 10.1016/j.inffus.2019.05.004
	A survey of distributed stream processing systems for smart city data analytics, H., Nasiri et al., ACM International Conference Proceeding Series , 2018, DOI: 10.1145/3269961.3282845
	A survey of IoT-based smart parking systems in smart cities, M., Assim et al., IET Conference Publications , 2020, DOI: 10.1049/icp.2021.0911
	A survey of major data privacy laws, languages and approaches in smart cities environments, D., El Majdoubi et al., PervasiveHealth: Pervasive Computing Technologies for Healthcare , 2019, DOI: 10.1145/3368756.3369013
	A survey of methods supporting cyber situational awareness in the context of smart cities, N., Neshenko et al., Journal of Big Data , 2020, DOI: 10.1186/s40537-020-00363-0
	A Survey of Open Data Platforms in Six UK Smart City Initiatives, L., Ghahremanlou et al., Gerontologist , 2019, DOI: 10.1093/comjnl/bxy081
	A survey of people movement analytics studies in the context of smart cities, E.S., Lohan et al., Conference of Open Innovation Association, FRUCT , 2017, DOI: 10.23919/FRUCT.2016.7892195

	A Survey of Predictive Crime Mapping Techniques for Smart Cities, I., Kawthalkar et al., 2020 National Conference on Emerging Trends on Sustainable Technology and Engineering Applications, NCETSTEA 2020 , 2020, DOI: 10.1109/NCETSTEA48365.2020.9119948
	A survey of privacy enhancing technologies for smart cities, J., Curzon et al., Pervasive and Mobile Computing , 2019, DOI: 10.1016/j.pmcj.2019.03.001
	A survey of security and privacy issues in IoT for smart cities, S., Latif et al., 2017 5th International Conference on Aerospace Science and Engineering, ICASE 2017 , 2018, DOI: 10.1109/ICASE.2017.8374288
	A Survey of Smart City Assets for Future Military Usage, M., Pradhan et al., 2018 International Symposium on Networks, Computers and Communications, ISNCC 2018 , 2018, DOI: 10.1109/ISNCC.2018.8530890
	A survey of smart city infrastructure via case study on New York, J., Shah et al., Procedia Computer Science , 2019, DOI: 10.1016/j.procs.2019.11.024
	A Survey of Smart Parking Solutions, T., Lin et al., IEEE Transactions on Intelligent Transportation Systems , 2017, DOI: 10.1109/TITS.2017.2685143
	A survey on algorithms for intelligent computing and smart city applications, Tong, Zhao et al., Big Data Mining and Analytics, 2021, DOI: 10.26599/BDMA.2020.9020029
	A Survey on an Emerging Area: Deep Learning for Smart City Data, Q., Chen et al., IEEE Transactions on Emerging Topics in Computational Intelligence , 2019, DOI: 10.1109/TETCI.2019.2907718
	A survey on big multimedia data processing and management in smart cities, M., Usman et al., ACM Computing Surveys , 2019, DOI: 10.1145/3323334
	A survey on cybersecurity, data privacy, and policy issues in cyber-physical system deployments in smart cities, H., Habibzadeh et al., Sustainable Cities and Society , 2019, DOI: 10.1016/j.scs.2019.101660
	A survey on enabling wireless local area network technologies for smart cities, N., Omheni et al., Smart Cities and Homes: Key Enabling Technologies , 2016, DOI: 10.1016/B978-0-12-803454-5.00005-5
	A survey on IEEE 802.11ah: An enabling networking technology for smart cities, E., Khorov et al., Computer Communications , 2015, DOI: 10.1016/j.comcom.2014.08.008
	A Survey on IoT Applications in Smart Cities, Priya Dharshini et al., EAI/Springer Innovations in Communication and Computing, 2022, DOI: 10.1007/978-3-030-66607-1_9
	A survey on IoT architectures, protocols, security and smart city based applications, P., Datta et al., 8th International Conference on Computing, Communications and Networking Technologies, ICCCNT 2017 , 2017, DOI: 10.1109/ICCCNT.2017.8203943
	A survey on modern cloud computing security over smart city networks: Threats, vulnerabilities, consequences, countermeasures and challenges, Tahirkheli, Abeer Iftikhar et al., Electronics (Switzerland), 2021, DOI: 10.3390/electronics10151811
	A survey on smart cities' IoT, A.S., Nassar et al., Advances in Intelligent Systems and Computing , 2018, DOI: 10.1007/978-3-319-64861-3_80
	A survey on smart city technologies, initiatives and global technology providers, M., El Hendy et al., ACM International Conference Proceeding Series , 2017, DOI: 10.1145/3018896.3025132
	A survey on smart parking systems in urban cities, H., Zulfiqar et al., Concurrency and Computation: Practice and Experience , 2021, DOI: 10.1002/cpe.6511
	A survey on social media analytics for smart city, P., Yenkar et al., Proceedings of the International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2018 , 2019, DOI: 10.1109/I-SMAC.2018.8653707
	A Survey on the AI and Spectrum Management for Cache-Enabled Internet of Things in Smart Cities, L., Chen et al., Wireless Communications and Mobile Computing , 2021, DOI: 10.1155/2021/4477596
	A Survey Paper on Smart Parking System, B., Baron Sam et al., IOP Conference Series: Materials Science and Engineering , 2019, DOI: 10.1088/1757-899X/590/1/012008

	A systematic literature review and analysis towards developing PPP models for delivering smart infrastructure, N.S., Jayasena et al., Built Environment Project and Asset Management , 2021, DOI: 10.1108/BEPAM-11-2019-0124
	A systematic literature review of environmental concerns in smart-cities, I., Raharjana et al., IOP Conference Series: Earth and Environmental Science , 2019, DOI: 10.1088/1755-1315/245/1/012031
	A systematic literature review of smart cities' information services to support the mobility of impaired people, N.P., Rocha et al., Procedia Computer Science , 2021, DOI: 10.1016/j.procs.2021.01.119
	A systematic literature review on smart cities: Indicators, methods, and case studies, F., Purnomo et al., ICIC Express Letters , 2020, DOI: 10.24507/icicel.14.11.1113
	A Systematic Literature Review on the Dimensions of Smart Cities, N.S.N., Wahab et al., IOP Conference Series: Earth and Environmental Science , 2020, DOI: 10.1088/1755-1315/498/1/012087
	A systematic literature survey: Development of smart city based on various internet of things architectures, Kirti et al., EAI/Springer Innovations in Communication and Computing , 2020, DOI: 10.1007/978-3-030-38516-3_4
	A systematic review for smart city data analytics, V., Moustaka et al., ACM Computing Surveys , 2019, DOI: 10.1145/3239566
	A systematic review of a digital twin city: A new pattern of urban governance toward smart cities, Deng, Tianhu et al., Journal of Management Science and Engineering, 2021, DOI: 10.1016/j.jmse.2021.03.003
	A systematic review of built environment factors related to physical activity and obesity risk: Implications for smart growth urban planning, C.P., Durand et al., Obesity Reviews , 2011, DOI: 10.1111/j.1467-789X.2010.00826.x
	A systematic review of smart cities' applications to support active ageing, N., Rocha et al., Procedia Computer Science , 2019, DOI: 10.1016/j.procs.2019.11.086
	A systematic review on smart city services and IoT-based technologies, F., Bestepe et al., Proceedings of the 12th IADIS International Conference Information Systems 2019, IS 2019 , 2019, DOI: 10.33965/is2019_201905c005
	A Systematic Survey on the use of Fuzzy Graph Structures in India's Smart City Development, Angel, B. and Angel, D. et al., Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 2021, DOI: 10.1109/ICCMC51019.
	A widespread review of smart grids towards smart cities, M., Farmanbar et al., Energies , 2019, DOI: 10.3390/en12234484
	Adaptation of Smart City Technologies in Saint Petersburg: A Survey, L., Vidiiasova et al., Communications in Computer and Information Science , 2019, DOI: 10.1007/978-3-030-37858-5_16
	Addressing big data challenges in smart cities: a systematic literature review, S., Chauhan et al., Info , 2016, DOI: 10.1108/info-03-2016-0012
	Addressing disasters in smart cities through UAVs path planning and 5G communications: A systematic review, Z., Qadir et al., Computer Communications , 2021, DOI: 10.1016/j.comcom.2021.01.003
	Adopting an open smart city platform: A survey, A., Achilleos et al., 5th IEEE International Smart Cities Conference, ISC 2019 , 2019, DOI: 10.1109/ISC246665.2019.9071747
	Advances on sensing technologies for smart cities and power grids: A review, R., Morello et al., IEEE Sensors Journal , 2017, DOI: 10.1109/JSEN.2017.2735539
	Air quality prediction in smart cities using machine learning technologies based on sensor data: A review, D., Iskandaryan et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/app10072401

	Amalgamation of blockchain and IoT for smart cities underlying 6G communication: A comprehensive review, Kumari, Aparna et al., Computer Communications, 2021, DOI: 10.1016/j.comcom.2021.03.005
	An investigation into the elusive concept of smart cities: a systematic review and meta-synthesis, D., Esashika et al., Technology Analysis and Strategic Management , 2021, DOI: 10.1080/09537325.2020.1856804
	Analysis of smart city indicators based on prisma : systematic review, K., Adiyarta et al., IOP Conference Series: Materials Science and Engineering , 2020, DOI: 10.1088/1757-899X/725/1/012113
	Anomaly Detection Techniques in Smart City: A Review from a Framework Perspective, Prabowo, Okyza Maherdy et al., 8th International Conference on ICT for Smart Society: Digital Twin for Smart Society, ICISS 2021 - Proceeding, 2021, DOI: 10.1109/ICISS53185
	Applications of Fuzzy Graph Structures for the Analysis of India's Growth of Smart Cities: A Systematic Review, Angel, B. et al., Lecture Notes in Networks and Systems, 2022, DOI: 10.1007/978-981-16-2422-3_59
	Approaches of artificial intelligence and machine learning in smart cities: Critical review, H., Varshney et al., IOP Conference Series: Materials Science and Engineering , 2021, DOI: 10.1088/1757-899X/1022/1/012019
	Approaches of Shared Smart Parking Model in Fog and Roadside Cloud Environment: A Detailed Survey, Majid Farooqi, Abdul et al., Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021, 2021, DOI: 10.1109/ICCES5
	Artificial intelligence framework for smart city microgrids: State of the art, challenges, and opportunities, S., Khan et al., 2018 3rd International Conference on Fog and Mobile Edge Computing, FMEC 2018 , 2018, DOI: 10.1109/FMEC.2018.8364080
	Artificial Intelligence Techniques in Smart Cities Surveillance Using UAVs: A Survey, N., Thakur et al., Studies in Computational Intelligence , 2021, DOI: 10.1007/978-3-030-72065-0_18
	Aspect-based sentiment analysis using smart government review data, O., Alqaryouti et al., Applied Computing and Informatics , 2019, DOI: 10.1016/j.aci.2019.11.003
	Automated vehicles in smart urban environment: A review, A.M., Pereira et al., 2017 Smart Cities Symposium Prague, SCSP 2017 - IEEE Proceedings , 2017, DOI: 10.1109/SCSP.2017.7973864
	Automation and control applications in developing regions: An industry perspective of emerging technologies and challenges Surveys of technology projects regarding e-citizen services and smart city approach, A., Aliu et al., IFAC-PapersOnLine , 2019, DOI
	Better judicial review? EU courts and the smart regulation agenda in implementing chemicals regulation, E., Korkea-aho et al., Legisprudence , 2012, DOI: 10.5235/17521467.6.3.397
	Big Data Analytics Algorithm, Data Type and Tools in Smart City: A Systematic Literature Review, H.Y., Putra et al., 2018 International Conference on Information Technology Systems and Innovation, ICITSI 2018 - Proceedings , 2018, DOI: 10.1109/ICITSI.201
	Big data and hpc convergence for smart infrastructures: A review and proposed architecture, S., Usman et al., EAI/Springer Innovations in Communication and Computing , 2020, DOI: 10.1007/978-3-030-13705-2_23
	Big Data, the Internet of Things, and Smart City Research: A Literature Review and Research Agenda, S., Fosso Wamba et al., Lecture Notes in Electrical Engineering , 2019, DOI: 10.1007/978-3-030-02242-6_20
	Bike sharing as a key smart city service: State of the art and future developments, F., Chiariotti et al., 2018 7th International Conference on Modern Circuits and Systems Technologies, MOCAST 2018 , 2018, DOI: 10.1109/MOCAST.2018.8376628
	Blockchain as a Trust Builder in the Smart City Domain: A Systematic Literature Review, S., Ahmed et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.2993724

	Blockchain for smart cities: A review of architectures, integration trends and future research directions, B., Bhushan et al., Sustainable Cities and Society , 2020, DOI: 10.1016/j.scs.2020.102360
	Blockchain for Smart Cities: A Systematic Literature Review, I., Georgiou et al., Lecture Notes in Business Information Processing , 2020, DOI: 10.1007/978-3-030-63396-7_12
	Blockchain for Waste Management in Smart Cities: A Survey, R.W., Ahmad et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3113380
	Blockchain technology in the smart city: a bibliometric review, A., Rejeb et al., Quality and Quantity , 2021, DOI: 10.1007/s11135-021-01251-2
	Building smart cities, the just way. A critical review of “smart” and “just” initiatives in Bristol, UK, A., Michalec et al., Sustainable Cities and Society , 2019, DOI: 10.1016/j.scs.2019.101510
	Can cities become smart without being sustainable? A systematic review of the literature, T., Yigitcanlar et al., Sustainable Cities and Society , 2019, DOI: 10.1016/j.scs.2018.11.033
	Car park system: A review of smart parking system and its technology, M., Idris et al., Information Technology Journal , 2009, DOI: 10.3923/itj.2009.101.113
	Carpooling platforms as smart city projects: A bibliometric analysis and systematic literature review, Anthopoulos, Leonidas G. et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su131910680
	Challenges and Opportunities of Waste Management in IoT-Enabled Smart Cities: A Survey, T., Anagnostopoulos et al., IEEE Transactions on Sustainable Computing , 2017, DOI: 10.1109/TSUSC.2017.2691049
	Characterizing the Role of Governments in Smart Cities: A Literature Review, M., Rodriguez Bolivar et al., Public Administration and Information Technology , 2016, DOI: 10.1007/978-3-319-17620-8_3
	Charging electric vehicles in the smart city: A survey of economy-driven approaches, W., Shuai et al., IEEE Transactions on Intelligent Transportation Systems , 2016, DOI: 10.1109/TITS.2016.2519499
	Child in "smart city": Social studies review of children's mobility, O., Sergeyeva et al., ACM International Conference Proceeding Series , 2016, DOI: 10.1145/3014087.3014117
	Citizen participation in smart cities: A survey, J., Tadili et al., PervasiveHealth: Pervasive Computing Technologies for Healthcare , 2019, DOI: 10.1145/3368756.3368976
	Classification of Smart City Research - a Descriptive Literature Review and Future Research Agenda, P., Gupta et al., Information Systems Frontiers , 2019, DOI: 10.1007/s10796-019-09911-3
	Co-design practice in a smart city context through the gamification approach: A survey about the most suitable applications, A., Opromolla et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture
	Communication and Localization Techniques in VANET Network for Intelligent Traffic System in Smart Cities: A Review, A., Chehri et al., Smart Innovation, Systems and Technologies , 2020, DOI: 10.1007/978-981-15-5270-0_15
	Communication Solutions for Vehicle Ad-hoc Network in Smart Cities Environment: A Comprehensive Survey, V.K., Quy et al., Wireless Personal Communications , 2021, DOI: 10.1007/s11277-021-09030-w
	Compact urbanism and the synergic potential of its integration with data-driven smart urbanism : An extensive interdisciplinary literature review, S.E., Bibri et al., Land Use Policy , 2020, DOI: 10.1016/j.landusepol.2020.104703
	Competitiveness, distinctiveness and singularity in urban design: A systematic review and framework for smart cities, Abusaada, Hisham et al., Sustainable Cities and Society, 2021, DOI: 10.1016/j.scs.2021.102782
	Comprehensive review of computational intelligence based smart city community, A., Rath et al., Journal of Intelligent and Fuzzy Systems , 2021, DOI: 10.3233/JIFS-202919

	Comprehensive Review of Smart Cities using IOT, B.A., Usha et al., ICRITO 2020 - IEEE 8th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) , 2020, DOI: 10.1109/ICRITO48877.2020.9197792
	Conceptualizing smart government implementation in smart city context: A systematic review, D.K., Fu'Adi et al., 2020 5th International Conference on Informatics and Computing, ICIC 2020 , 2020, DOI: 10.1109/ICIC50835.2020.9288656
	Contextualizing smart governance research: Literature review and scientometrics analysis, A.V., Chugunov et al., Communications in Computer and Information Science , 2018, DOI: 10.1007/978-3-030-02843-5_9
	Contributing to the current research agenda in digital transformation in the context of smart cities, Cukusic, Maja et al., International Journal of Information Management, 2021, DOI: 10.1016/j.ijinfomgt.2021.102330
	Contributions and risks of artificial intelligence (AI) in building smarter cities: Insights from a systematic review of the literature, T., Yigitcanlar et al., Energies , 2020, DOI: 10.3390/en13061473
	Contributions of smart city solutions and technologies to resilience against the covid-19 pandemic: A literature review, Sharifi, Ayyoob et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su13148018
	COVID-19 pandemic: a review of smart cities initiatives to face new outbreaks, D.G., Costa et al., IET Smart Cities , 2020, DOI: 10.1049/iet-smc.2020.0044
	Creating smart cities: A review for holistic approach, Rozario, Sophia Diana et al., Applied System Innovation, 2021, DOI: 10.3390/asi4040070
	Critical Review in Smart Car Parking Management Systems, Jusat, Nuaomi et al., 2021 IEEE 7th International Conference on Smart Instrumentation, Measurement and Applications, ICSIMA 2021, 2021, DOI: 10.1109/ICSIMA50015.2021.9526322
	Cyber security in smart cities: A review of deep learning-based applications and case studies, D., Chen et al., Sustainable Cities and Society , 2021, DOI: 10.1016/j.scs.2020.102655
	Cyber Security Issues and Challenges for Smart Cities: A survey, B., Hamid et al., MACS 2019 - 13th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics, Proceedings , 2019, DOI: 10.1109/MACS48846.2019.9024768
	Cybersecurity for smart cities: A brief review, A., Alibasic et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2017, DOI: 10.1007/978-3-319-50947-1_3
	Data mining and machine learning methods for sustainable smart cities traffic classification: A survey, M., Shafiq et al., Sustainable Cities and Society , 2020, DOI: 10.1016/j.scs.2020.102177
	Data mining and machine learning to promote smart cities: A systematic review from 2000 to 2018, de Souza J.T. et al., Sustainability (Switzerland) , 2019, DOI: 10.3390/su11041077
	Data mining techniques for IoT enabled smart parking environment: Survey, Anchal et al., International Journal of Advanced Trends in Computer Science and Engineering , 2019, DOI: 10.30534/ijatcse/2019/96842019
	Data sets, modeling, and decision making in smart cities: A survey, M., Ma et al., ACM Transactions on Cyber-Physical Systems , 2019, DOI: 10.1145/3355283
	Deep Learning in Smart Video Surveillance for Crowd Management: A Systematic Literature Review, Garcia, Andrea Camille et al., ACM International Conference Proceeding Series, 2021, DOI: 10.1145/3473141.3473240
	Depicting the smarter cities of the future: A systematic literature review & field study, T., Raaijen et al., 2017 Smart Cities Symposium Prague, SCSP 2017 - IEEE Proceedings , 2017, DOI: 10.1109/SCSP.2017.7973352

	Developments of policies related to smart cities: A critical review, S., Keshvardoost et al., Proceedings - 11th IEEE/ACM International Conference on Utility and Cloud Computing Companion, UCC Companion 2018 , 2019, DOI: 10.1109/UCC-Companion.2018.00083
	Digital Twins from Smart Manufacturing to Smart Cities: A Survey, G., Mylonas et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3120843
	Dynamic pricing techniques for Intelligent Transportation System in smart cities: A systematic review, S., Saharan et al., Computer Communications , 2020, DOI: 10.1016/j.comcom.2019.12.003
	E & M-government and smart city: A review of ICT strategies and plans in the United Arab Emirates, N.A., Saif Almuraqab et al., International Journal of Management , 2020, DOI: 10.34218/IJM.11.3.2020.006
	Ecological indicators of smart urban metabolism: A review of the literature on international standards, G., D'Amico et al., Ecological Indicators , 2020, DOI: 10.1016/j.ecolind.2020.106808
	Edge-Computing-Enabled Smart Cities: A Comprehensive Survey, L.U., Khan et al., IEEE Internet of Things Journal , 2020, DOI: 10.1109/IIOT.2020.2987070
	Emergent situations for smart cities: A survey, A.M., Al-Smadi et al., International Journal of Electrical and Computer Engineering , 2019, DOI: 10.11591/ijece.v9i6.pp4777-4787
	Empowering Smart Cities Through Community Participation a Literature Review, A., Kapoor et al., Lecture Notes in Civil Engineering , 2020, DOI: 10.1007/978-981-15-2545-2_11
	Energy internet in smart city review, M., Yan et al., International Conference on Wavelet Analysis and Pattern Recognition , 2017, DOI: 10.1109/ICWAPR.2017.8076687
	Energy management of microgrids for smart cities: A review, Sami, Muhammad Salman et al., Energies, 2021, DOI: 10.3390/en14185976
	European union funding research development and innovation projects on smart cities: The state of the art in 2019, P.C., Maestosi et al., International Journal of Sustainable Energy Planning and Management , 2019, DOI: 10.5278/ijsepm.3493
	Exploring knowledge management perspectives in smart city research: A review and future research agenda, J., Israilidis et al., International Journal of Information Management , 2021, DOI: 10.1016/j.ijinfomgt.2019.07.015
	Factors Influencing the Acceptance and Usage of Smart City Services: A Systematic Review and Meta-analysis, B., Zhang et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
	Fog Computing Applications in Smart Cities: A Systematic Survey, G., Javadzadeh et al., Wireless Networks , 2020, DOI: 10.1007/s11276-019-02208-y
	Fog computing for smart cities' big data management and analytics: A review, E., Badidi et al., Future Internet , 2020, DOI: 10.3390/fi12110190
	Fog computing for sustainable smart cities: A survey, C., Perera et al., ACM Computing Surveys , 2017, DOI: 10.1145/3057266
	From digital to sustainable: A scientometric review of smart city literature between 1990 and 2019, C., Zheng et al., Journal of Cleaner Production , 2020, DOI: 10.1016/j.jclepro.2020.120689
	From self-tracking to smart urban infrastructures: Towards an interdisciplinary research agenda on big data, F.R., Klausner et al., Surveillance and Society , 2014, DOI: 10.24908/ss.v12i2.4605
	From smart parking towards autonomous valet parking: A survey, challenges and future Works, M., Khalid et al., Journal of Network and Computer Applications , 2021, DOI: 10.1016/j.jnca.2020.102935
	Future Trends and Current State of Smart City Concepts: A Survey, A., Kirimat et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.2992441

	Geo-visualisation and visual analytics for smart cities: A survey, S., Harbola et al., International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives , 2018, DOI: 10.5194/isprs-archives-XLII-4-W11-11-2018
	Governing the complexity of smart data cities: Setting a research agenda, J., Edelenbos et al., Public Administration and Information Technology , 2018, DOI: 10.1007/978-3-319-58577-2_3
	Governing the smart city: a review of the literature on smart urban governance, A., Meijer et al., International Review of Administrative Sciences , 2016, DOI: 10.1177/0020852314564308
	Graph-based anomaly detection for smart cities: A survey, S., Sudrich et al., 2017 IEEE SmartWorld Ubiquitous Intelligence and Computing, Advanced and Trusted Computed, Scalable Computing and Communications, Cloud and Big Data Computing, Internet of Peop
	Greening internet of things for greener and smarter cities: a survey and future prospects, S.H., Alsamhi et al., Telecommunication Systems , 2019, DOI: 10.1007/s11235-019-00597-1
	Hearing aid devices for smart cities: A survey, E., Garcia-Espinosa et al., 2015 IEEE 1st International Smart Cities Conference, ISC2 2015 , 2015, DOI: 10.1109/ISC2.2015.7366198
	Horizontal review on video surveillance for smart cities: Edge devices, applications, datasets, and future trends, Ezzat, Mostafa Ahmed et al., Sensors, 2021, DOI: 10.3390/s21093222
	How smart cities transform operations models: A new research agenda for operations management in the digital economy, F., Li et al., Production Planning and Control , 2016, DOI: 10.1080/09537287.2016.1147096
	Hpc-smart infrastructures: A review and outlook on performance analysis methods and tools, T., Muhammed et al., EAI/Springer Innovations in Communication and Computing , 2020, DOI: 10.1007/978-3-030-13705-2_18
	Identifying the results of smart city development: Findings from systematic literature review, Y., Lim et al., Cities , 2019, DOI: 10.1016/j.cities.2019.102397
	Impacts of smart configuration in pedelec-sharing: Evidence from a panel survey in madrid, A., Munkacsy et al., Journal of Advanced Transportation , 2017, DOI: 10.1155/2017/4720627
	Implementation of age-friendly initiatives in smart cities: probing the barriers through a systematic review, A., Torqu et al., Built Environment Project and Asset Management , 2020, DOI: 10.1108/BEPAM-01-2020-0008
	Indoor air quality monitoring systems for enhanced living environments: A review toward sustainable smart cities, G., Marques et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/SU12104024
	Influence of internet of things (IoT) in association of data mining towards the development smart cities-A review analysis, E.B., Priyanka et al., Journal of Engineering Science and Technology Review , 2020, DOI: 10.25103/jestr.134.01
	Information diffusion across cyber-physical-social systems in smart city: A survey, Zhou, Xiaokang et al., Neurocomputing, 2021, DOI: 10.1016/j.neucom.2020.08.089
	Information Systems Security Management for IoT Adoption in Smart Cities: A Review, Z., Din et al., Communications in Computer and Information Science , 2021, DOI: 10.1007/978-3-030-89170-1_4
	Innovative Approaches for Noise Management in Smart Cities: a Review, F., Asdrubali et al., Current Pollution Reports , 2018, DOI: 10.1007/s40726-018-0090-z
	Integrating ultra-fast charging stations within the power grids of smart cities: A review, D., Meyer et al., IET Smart Grid , 2018, DOI: 10.1049/iet-stg.2018.0006
	Intelligent Computing in IoT-Enabled Smart Cities: A Systematic Review, J., Nayak et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-981-15-8218-9_1

	Intelligent Surveillance Systems for Smart Cities: A Systematic Literature Review, Ghoniem, Nour Ahmed et al., Smart Innovation, Systems and Technologies, 2022, DOI: 10.1007/978-981-16-2877-1_14
	Intelligent traffic light design and control in smart cities: A survey on techniques and methodologies, A., Agrawal et al., International Journal of Vehicle Information and Communication Systems , 2020, DOI: 10.1504/IJVICS.2020.111456
	Intelligent transportation systems for smart cities: A progress review, Z., Xiong et al., Science China Information Sciences , 2012, DOI: 10.1007/s11432-012-4725-1
	International Security Standards for Critical Oil, Gas, and Electricity Infrastructures in Smart Cities: A Survey Study, C., Ozarpa et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-3-030-66840-2_89
	Internet of Thing and smart city: State of the art and future trends, A.A., Jaafar et al., Advances in Intelligent Systems and Computing , 2019, DOI: 10.1007/978-981-13-0344-9_1
	Internet of Things for Enhanced Smart Cities: A Review, Roadmap and Case Study on Air Quality Sensing, G., Marques et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2020, DOI: 10
	Internet of things for noise mapping in smart cities: State of the art and future directions, Y., Liu et al., IEEE Network , 2020, DOI: 10.1109/MNET.011.1900634
	Internet of things–based smart city environments using big data analytics: A survey, M., Babar et al., EAI/Springer Innovations in Communication and Computing , 2019, DOI: 10.1007/978-3-319-99966-1_12
	Internet of Things-enabled smart cities: State-of-the-art and future trends, A.H., Alavi et al., Measurement: Journal of the International Measurement Confederation , 2018, DOI: 10.1016/j.measurement.2018.07.067
	IoT and AI for Smart Government: A Research Agenda, A., Kankanhalli et al., Government Information Quarterly , 2019, DOI: 10.1016/j.giq.2019.02.003
	IoT for smart cities: Machine learning approaches in smart healthcare—A review, Ghazal, Taher M. et al., Future Internet, 2021, DOI: 10.3390/fi13080218
	IoT paradigm into the smart city vision: a survey, C.A., Medina et al., Proceedings - 2017 IEEE International Conference on Internet of Things, IEEE Green Computing and Communications, IEEE Cyber, Physical and Social Computing, IEEE Smart Data, iThings-G
	IoT Platform for Smart City: A Global Survey, R., Roshan et al., Advances in Intelligent Systems and Computing , 2019, DOI: 10.1007/978-981-13-2285-3_24
	IoT-based smart cities: A bibliometric analysis and literature review, Szum, Katarzyna et al., Engineering Management in Production and Services, 2021, DOI: 10.2478/emj-2021-0017
	IoT-based smart cities: A survey, H., Arasteh et al., IEEEIC 2016 - International Conference on Environment and Electrical Engineering , 2016, DOI: 10.1109/IEEEIC.2016.7555867
	Knowledge management in smart city development: A systematic review, J., Israilidis et al., Proceedings of the European Conference on Knowledge Management, ECKM , 2019, DOI: 10.34190/KM.19.050
	Leveraging big data in smart cities: A systematic review, Karimi, Yaghoob et al., Concurrency and Computation: Practice and Experience, 2021, DOI: 10.1002/cpe.6379
	Leveraging Deep Learning and IoT big data analytics to support the smart cities development: Review and future directions, S.B., Atitallah et al., Computer Science Review , 2020, DOI: 10.1016/j.cosrev.2020.100303
	Literature review for infrastructure transition management towards smart sustainable cities, H.J., Geldenhuys et al., 4th IEEE International Symposium on Systems Engineering, ISSE 2018 - Proceedings , 2018, DOI: 10.1109/SysEng.2018.8544416

	Literature Review of WSN MAC Protocols in Smart Parking, B., Jioudi et al., Proceedings of IEEE/ACS International Conference on Computer Systems and Applications, AICCSA , 2019, DOI: 10.1109/AICCSA.2018.8612789
	Low Power Wide Area Network: Technical Review for Wireless sensor Networks and Its Utilization in Smart Cities Deployment Through Internet of Things (IoT) System, D.F., Paredes-Paliz et al., Communications in Computer and Information Science , 2020, DOI:
	Machine learning in wireless sensor networks for smart cities: A survey, Sharma, Himanshu et al., Electronics (Switzerland), 2021, DOI: 10.3390/electronics10091012
	Managing digital transformation of smart cities through enterprise architecture—a review and research agenda, B., Anthony Jnr et al., Enterprise Information Systems , 2021, DOI: 10.1080/17517575.2020.1812006
	Managing knowledge in the context of smart cities: A systematic review, W., Abdalla et al., Proceedings of the European Conference on Knowledge Management, ECKM , 2021, DOI: 10.34190/EKM.21.032
	Managing smart cities through six sigma DMADICV method: A review-based conceptual framework, Qayyum, Siddra et al., Sustainable Cities and Society, 2021, DOI: 10.1016/j.scs.2021.103022
	Mapping of Smart Economy Research Themes: A Nine-Year Review, Purnomo, Agung et al., 8th International Conference on ICT for Smart Society: Digital Twin for Smart Society, ICISS 2021 - Proceeding, 2021, DOI: 10.1109/ICISS53185.2021.9533229
	Marketing innovation and internationalization in smart city development: a systematic review, framework and research agenda, M., Christofi et al., International Marketing Review , 2021, DOI: 10.1108/IMR-01-2021-0027
	Methodological proposals for the development of services in a smart city: A literature review, J., Serey et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/su122410249
	Mobile Applications in China s Smart Cities: State-of-the-Art and Lessons Learned, Zhang, Bingqian et al., Journal of Global Information Management, 2021, DOI: 10.4018/JGIM.20211101.0a26
	Multiple dimensions of smart cities' infrastructure: A review, A.P.P., Kasznar et al., Buildings , 2021, DOI: 10.3390/buildings11020073
	On the sustainability of smart and smarter cities in the era of big data: an interdisciplinary and transdisciplinary literature review, S.E., Bibri et al., Journal of Big Data , 2019, DOI: 10.1186/s40537-019-0182-7
	On the use of information and infrastructure technologies for the smart city research in Europe: A survey, J.R., Santana et al., IEICE Transactions on Communications , 2018, DOI: 10.1587/transcom.2017ITI0001
	Open Data and Smart City Initiatives for Digital Transformation in Public Sector in Poland. A Survey, P., Krauze-Maslankowska et al., Lecture Notes in Business Information Processing , 2021, DOI: 10.1007/978-3-030-85893-3_5
	Open source and open data licenses in the smart infrastructure era: Review and license selection frameworks, E., Alamoudi et al., EAI/Springer Innovations in Communication and Computing , 2020, DOI: 10.1007/978-3-030-13705-2_22
	Organizing a sustainable smart urban ecosystem: Perspectives and insights from a bibliometric analysis and literature review, Palumbo, Rocco et al., Journal of Cleaner Production, 2021, DOI: 10.1016/j.jclepro.2021.126622
	Performance analysis and enhancement of free space optical links for developing state-of-the art smart city framework, S., Chauhan et al., Photonics , 2020, DOI: 10.3390/photonics7040132
	Person re-identification for smart cities: State-of-the-art and the path ahead, N.K.S., Behera et al., Pattern Recognition Letters , 2020, DOI: 10.1016/j.patrec.2020.07.030
	Potential integration of blockchain technology into smart sustainable city (SSC) developments: a systematic review, P.F., Wong et al., Smart and Sustainable Built Environment , 2020, DOI: 10.1108/SASBE-09-2020-0140

	Potential of a Travel Mode Change in Smart Cities: A Review, K., Moudra et al., 2019 Smart Cities Symposium Prague, SCSP 2019 - Proceedings , 2019, DOI: 10.1109/SCSP.2019.8805724
	Prediction of Mobility Patterns in Smart Cities: A Systematic Review of the Literature, N.P., Rocha et al., Advances in Intelligent Systems and Computing , 2020, DOI: 10.1007/978-3-030-45688-7_65
	Prospect of Faridabad as a Smart City: A Review, S., Jamal et al., Urban Book Series , 2019, DOI: 10.1007/978-3-319-94932-1_4
	Public Transport Systems and its Impact on Sustainable Smart Cities: A Systematic Review, R., Rivera et al., Springer Proceedings in Mathematics and Statistics , 2021, DOI: 10.1007/978-3-030-78570-3_3
	Recommender systems for e-governance in smart cities: State of the art and research opportunities, M.E., Cortes-Cediel et al., ACM International Conference Proceeding Series , 2017, DOI: 10.1145/3127325.3128331
	Renewable energy sources for smart city applications: A review, K., Sravya et al., IET Conference Publications , 2020, DOI: 10.1049/icp.2021.0963
	Requirements for smart cities: Results from a systematic review of literature, M., Daneva et al., Proceedings - International Conference on Research Challenges in Information Science , 2018, DOI: 10.1109/RCIS.2018.8406655
	Review - Ink-jet printed wireless liquid and gas sensors for IoT, SmartAg and smart city applications, A., Alreshaid et al., Journal of the Electrochemical Society , 2018, DOI: 10.1149/2.0341810jes
	Review and synthesis of Big Data analytics and computing for smart sustainable cities, J., Chang et al., IET Intelligent Transport Systems , 2020, DOI: 10.1049/iet-its.2020.0006
	Review of discrete simulation modelling use in the context of smart cities, M., Jadric et al., 2020 43rd International Convention on Information, Communication and Electronic Technology, MIPRO 2020 - Proceedings , 2020, DOI: 10.23919/MIPRO48935.2020.9245
	Review of International Standards and Policy Guidelines for Smart Sustainable Cities, E., Estevez et al., Public Administration and Information Technology , 2021, DOI: 10.1007/978-3-030-61033-3_4
	Review of Internet of Things in development of smart cities with data management & privacy, A.W., Burange et al., Conference Proceeding - 2015 International Conference on Advances in Computer Engineering and Applications, ICACEA 2015 , 2015, DOI: 10.1109
	Review of Privacy Preservation with Blockchain Technology in the Context of Smart Cities, Mezquita, Yeray et al., Lecture Notes in Networks and Systems, 2022, DOI: 10.1007/978-3-030-78901-5_7
	Review of state-of-the-art wireless technologies and applications in smart cities, H., Zhu et al., Proceedings IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society , 2017, DOI: 10.1109/IECON.2017.8217074
	Review of technologies and platforms for smart cities, de la Prieta F. et al., Advances in Intelligent Systems and Computing , 2019, DOI: 10.1007/978-3-319-99608-0_22
	Review of urban computing in air quality management as smart city service: An integrated IoT, AI, and cloud technology perspective, Kaginalkar, Akshara et al., Urban Climate, 2021, DOI: 10.1016/j.uclim.2021.100972
	Review of Wireless Acoustic Sensor Networks for Environmental Noise Monitoring in Smart Cities, F., Alias et al., Journal of Sensors , 2019, DOI: 10.1155/2019/7634860
	Review on Data Sharing in Smart City Planning Based on Mobile Phone Signaling Big Data: From the Perspective of China Experience: Anonymization VS De-anonymization, Y., Lin et al., International Review for Spatial Planning and Sustainable Development , 2
	Review on IoT Enabled Smart Cities in India, T., Jaiswal et al., 2020 1st International Conference on Power, Control and Computing Technologies, ICPC2T 2020 , 2020, DOI: 10.1109/ICPC2T48082.2020.9071519

	Review on key technologies of smart urban power network, C., Wang et al., Gaodianya Jishu/High Voltage Engineering , 2016, DOI: 10.13336/j.1003-6520.hve.20160713001
	Risk factors in smart city development in Russia: A survey, L., Vidiyasa et al., Communications in Computer and Information Science , 2019, DOI: 10.1007/978-3-030-13283-5_3
	Road visualization for smart city: Solution review with road quality qualification, E., Leduc et al., Internet of Things (Netherlands) , 2020, DOI: 10.1016/j.iot.2020.100305
	Robotic Services in Smart Cities: An Exploratory Literature Review, R., Rivera et al., Iberian Conference on Information Systems and Technologies, CISTI , 2020, DOI: 10.23919/CISTI49556.2020.9141099
	Role of Smart Cities in Creating Sustainable Cities and Communities: A Systematic Literature Review, E., Ismagiloiva et al., IFIP Advances in Information and Communication Technology , 2019, DOI: 10.1007/978-3-030-20671-0_21
	Safety and security in smart cities using artificial intelligence - A review, S., Srivastava et al., Proceedings of the 7th International Conference Confluence 2017 on Cloud Computing, Data Science and Engineering , 2017, DOI: 10.1109/CONFLUENCE.2017.794
	Security and Privacy of Smart Cities: A Survey, Research Issues and Challenges, M., Sookhak et al., IEEE Communications Surveys and Tutorials , 2019, DOI: 10.1109/COMST.2018.2867288
	Security and the smart city: A systematic review, J., Laufs et al., Sustainable Cities and Society , 2020, DOI: 10.1016/j.scs.2020.102023
	Security in smart cities: A brief review of digital forensic schemes for biometric data, A., Ross et al., Pattern Recognition Letters , 2020, DOI: 10.1016/j.patrec.2020.07.009
	Security, Privacy and Risks Within Smart Cities: Literature Review and Development of a Smart City Interaction Framework, E., Ismagilova et al., Information Systems Frontiers , 2020, DOI: 10.1007/s10796-020-10044-1
	Sensors for sustainable smart cities: A review, Ramirez-Moreno, Mauricio A. et al., Applied Sciences (Switzerland), 2021, DOI: 10.3390/app11178198
	Sentiment analysis of Arabic tweets in smart cities: A review of Saudi dialect, S., Alotaibi et al., 2019 4th International Conference on Fog and Mobile Edge Computing, FMEC 2019 , 2019, DOI: 10.1109/FMEC.2019.8795331
	Serious gaming as a means of facilitating truly smart cities: a narrative review, M., Cavada et al., Behaviour and Information Technology , 2020, DOI: 10.1080/0144929X.2019.1677775
	Smart and resilient urban futures for sustainability in the post covid-19 era: A review of policy responses on urban mobility, Kakderi, Christina et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su13116486
	Smart Car Parking Strategies for the Entrepreneurially Challenged Through Mobile Application with Real Time Survey, K.S.F., Azam et al., Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2019 , 2
	Smart Cities and Public Health: A Systematic Review, N.P., Rocha et al., Procedia Computer Science , 2019, DOI: 10.1016/j.procs.2019.12.214
	Smart Cities and the Idea of Smartness in Urban Development - A Critical Review, M., Husar et al., IOP Conference Series: Materials Science and Engineering , 2017, DOI: 10.1088/1757-899X/245/8/082008
	Smart cities' applications to facilitate the mobility of older adults: A systematic review of the literature, Rocha, Nelson Pacheco et al., Applied Sciences (Switzerland), 2021, DOI: 10.3390/app11146395
	Smart cities evaluation - A survey of performance and sustainability indicators, D., Petrova-Antonova et al., Proceedings - 44th Euromicro Conference on Software Engineering and Advanced Applications, SEAA 2018 , 2018, DOI: 10.1109/SEAA.2018.00084

	Smart cities in Brazil and Portugal: The state of the art, M., Alves et al., <i>Urbe</i> , 2019, DOI: 10.1590/2175-3369.011.e20190061
	Smart Cities in developing economies: A literature review and policy insights, S., Chatterjee et al., 2015 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2015 , 2015, DOI: 10.1109/ICACCI.2015.7275967
	Smart cities in the era of artificial intelligence and internet of things: Literature review from 1990 to 2017, A.B., Rjab et al., <i>ACM International Conference Proceeding Series</i> , 2018, DOI: 10.1145/3209281.3209380
	Smart cities software architectures: A survey, W.M., Da Silva et al., <i>Proceedings of the ACM Symposium on Applied Computing</i> , 2013, DOI: 10.1145/2480362.2480688
	Smart Cities Survey, E., Okai et al., <i>Proceedings - 20th International Conference on High Performance Computing and Communications, 16th International Conference on Smart City and 4th International Conference on Data Science and Systems, HPCC/SmartCity/D</i>
	Smart cities survey: Technologies, application domains and challenges for the cities of the future, R., Sanchez-Corcuera et al., <i>International Journal of Distributed Sensor Networks</i> , 2019, DOI: 10.1177/1550147719853984
	Smart Cities, sustainable cities, or both? a critical review and synthesis of success and failure factors, R.F., Elgazzar et al., <i>SMARTGREENS 2017 - Proceedings of the 6th International Conference on Smart Cities and Green ICT Systems</i> , 2017, DOI: 10.522
	Smart Cities: A Review and Analysis of Stakeholders' Literature, M., Marrone et al., <i>Business and Information Systems Engineering</i> , 2018, DOI: 10.1007/s12599-018-0535-3
	Smart Cities: A Survey on Data Management, Security, and Enabling Technologies, A., Gharaibeh et al., <i>IEEE Communications Surveys and Tutorials</i> , 2017, DOI: 10.1109/COMST.2017.2736886
	Smart cities: A survey on new developments, trends, and opportunities, S.M., Bohloul et al., <i>Journal of Industrial Integration and Management</i> , 2020, DOI: 10.1142/S2424862220500128
	Smart Cities: Drivers to Increase Context-Awareness Based on a Systematic Review of the Literature, N.P., Rocha et al., <i>Advances in Intelligent Systems and Computing</i> , 2021, DOI: 10.1007/978-3-030-72660-7_58
	Smart cities: Methods, encounters & hunt for future-survey, H., Ali et al., <i>ICAC 2019 - 2019 25th IEEE International Conference on Automation and Computing</i> , 2019, DOI: 10.23919/ICAC.2019.8895019
	Smart Cities: Review of Characteristics, Composition, Challenges and Technologies, S., Pathak et al., <i>Proceedings of the 6th International Conference on Inventive Computation Technologies, ICICT 2021</i> , 2021, DOI: 10.1109/ICICT50816.2021.9358708
	Smart cities: the state-of-the-art and governance challenge, M., Deakin et al., <i>Theoretical Chemistry Accounts</i> , 2014, DOI: 10.1186/s40604-014-0007-9
	Smart city and entrepreneurship: A review, B.B., Pradhan et al., <i>International Journal of Psychosocial Rehabilitation</i> , 2019, DOI: 10.37200/IJPR/V23I6/PR190832
	Smart city and high-tech urban interventions targeting human health: An equity-focused systematic review, A., Buttazzoni et al., <i>International Journal of Environmental Research and Public Health</i> , 2020, DOI: 10.3390/ijerph17072325
	Smart City and information technology: A review, A., Camero et al., <i>Cities</i> , 2019, DOI: 10.1016/j.cities.2019.04.014
	Smart city and IoT resilience, survivability, and disruption tolerance: Challenges, modelling, and a survey of research opportunities, J., Sterbenz et al., <i>Proceedings of 2017 9th International Workshop on Resilient Networks Design and Modeling, RNDM 201</i>
	Smart City Application: Community Survey System of Urban Comfort Level, E., Warni et al., <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, DOI: 10.1088/1757-899X/875/1/012042

	Smart city applications: A survey, K.W., Al-Ani et al., PervasiveHealth: Pervasive Computing Technologies for Healthcare , 2019, DOI: 10.1145/3361570.3361616
	Smart city big data analytics: An advanced review, K., Soomro et al., Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery , 2019, DOI: 10.1002/widm.1319
	Smart City Bus Application with QR Code: A Review, S.L., Fong et al., 2019 IEEE International Conference on Automatic Control and Intelligent Systems, I2CACIS 2019 - Proceedings , 2019, DOI: 10.1109/I2CACIS.2019.8825047
	Smart City Business Models - A Systematic Literature Review, N., Shetty et al., Proceedings - 2019 3rd International Conference on Smart Grid and Smart Cities, ICSGSC 2019 , 2019, DOI: 10.1109/ICSGSC.2019.00-24
	Smart city collaboration: A review and an agenda for establishing sustainable collaboration, Mills, David E. et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su13169189
	Smart city concept in the light of the literature review, J., Winkowska et al., Engineering Management in Production and Services , 2019, DOI: 10.2478/emj-2019-0012
	Smart city governance in developing countries: A systematic literature review, S.Y., Tan et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/su12030899
	Smart city knowledge management: Holistic review and the analysis of the urban knowledge management, V., Roblek et al., PervasiveHealth: Pervasive Computing Technologies for Healthcare , 2020, DOI: 10.1145/3396956.3398263
	Smart city model: A literature review, K., Achmad et al., Proceedings of 2018 10th International Conference on Information Technology and Electrical Engineering: Smart Technology for Better Society, ICITEE 2018 , 2018, DOI: 10.1109/ICITEED.2018.8534865
	Smart city ontologies and their applications: A systematic literature review, De Nicola, Antonio et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su13105578
	Smart city research: A holistic and state-of-the-art literature review, Zhao, Fang et al., Cities, 2021, DOI: 10.1016/j.cities.2021.103406
	Smart city services in various cities: A systematic literature review, Madyatmadja, Evaristus Didik et al., Proceedings of 2021 International Conference on Information Management and Technology, ICIMTech 2021, 2021, DOI: 10.1109/ICIMTech53080.2021.9535089
	Smart city services: A systematic literature review, D., Oktaria et al., 2017 International Conference on Information Technology Systems and Innovation, ICITSI 2017 - Proceedings , 2017, DOI: 10.1109/ICITSI.2017.8267944
	Smart city technologies and architectures: A literature review, C., Kyriazopoulou et al., SMARTGREENS 2015 - 4th International Conference on Smart Cities and Green ICT Systems, Proceedings , 2015, DOI: 10.5220/0005407000050016
	Smart city vision and practices across the kingdom of Saudi Arabia-a review, R.M., Doheim et al., Smart Cities: Issues and Challenges Mapping Political, Social and Economic Risks and Threats , 2019, DOI: 10.1016/B978-0-12-816639-0.00017-X
	Smart city: The state of the art, datasets, and evaluation platforms, S., Mallapuram et al., Proceedings - 16th IEEE/ACIS International Conference on Computer and Information Science, ICIS 2017 , 2017, DOI: 10.1109/ICIS.2017.7960034
	Smart City: The state of the art, definitions, characteristics and dimensions, H., Vasudavan et al., Journal of Computational and Theoretical Nanoscience , 2019, DOI: 10.1166/jctn.2019.8318
	Smart governance for one-stop-shop services of bio-business licensing in Indonesia : A literature review, M.M., Maulana et al., 2020 International Conference on Computer Science and Its Application in Agriculture, ICOSICA 2020 , 2020, DOI: 10.1109/ICOSIC
	Smart Governance For Sustainable Cities: Findings from a Systematic Literature Review, Z., Tomor et al., Journal of Urban Technology , 2019, DOI: 10.1080/10630732.2019.1651178

	Smart governance in the context of smart cities: A literature review, G.V., Pereira et al., Information Polity , 2018, DOI: 10.3233/IP-170067
	Smart Governance: Using a Literature Review and Empirical Analysis to Build a Research Model, M., Bolivar et al., Social Science Computer Review , 2016, DOI: 10.1177/0894439315611088
	Smart Parking Guidance, Monitoring and Reservations: A Review, A., Kotb et al., IEEE Intelligent Transportation Systems Magazine , 2017, DOI: 10.1109/MITS.2017.2666586
	Smart parking in IoT-enabled cities: A survey, F., Al-Turjman et al., Sustainable Cities and Society , 2019, DOI: 10.1016/j.scs.2019.101608
	Smart parking sensors, technologies and applications for open parking lots: A review, V., Paidi et al., IET Intelligent Transport Systems , 2018, DOI: 10.1049/iet-its.2017.0406
	Smart Parking Sensors: State of the Art and Performance Evaluation, T., Perkovic et al., Journal of Cleaner Production , 2020, DOI: 10.1016/j.jclepro.2020.121181
	Smart Parking System Based on Internet of Things: A Review, D., Issrani et al., Proceedings - 2018 4th International Conference on Computing, Communication Control and Automation, ICCUBEA 2018 , 2018, DOI: 10.1109/ICCUBEA.2018.8697348
	Smart parking system using genetic optimization a review, S., Parashar et al., Proceedings of the International Conference on Intelligent Sustainable Systems, ICISS 2019 , 2019, DOI: 10.1109/ISS1.2019.8908120
	Smart Parking System: Survey on Sensors, Technologies and Applications, M., Sarangi et al., 1st IEEE International Conference on Advances in Information Technology, ICAIT 2019 - Proceedings , 2019, DOI: 10.1109/ICAIT47043.2019.8987378
	Smart parking systems and sensors: A survey, G., Revathi et al., 2012 International Conference on Computing, Communication and Applications, ICCCA 2012 , 2012, DOI: 10.1109/ICCCA.2012.6179195
	Smart parking systems: A survey, K., Hassoune et al., SITA 2016 - 11th International Conference on Intelligent Systems: Theories and Applications , 2016, DOI: 10.1109/SITA.2016.7772297
	Smart parking systems: comprehensive review based on various aspects, Fahim, Abrar et al., Heliyon, 2021, DOI: 10.1016/j.heliyon.2021.e07050
	Smart parking tools suitability for open parking lots: A review, V., Paidi et al., VEHITS 2018 - Proceedings of the 4th International Conference on Vehicle Technology and Intelligent Transport Systems , 2018, DOI: 10.5220/0006812006000609
	Smart parking: A literature review from the technological perspective, J., Barriga et al., Applied Sciences (Switzerland) , 2019, DOI: 10.3390/app9214569
	Smart solutions shape for sustainable low-carbon future: A review on smart cities and industrial parks in China, Y., Wang et al., Technological Forecasting and Social Change , 2019, DOI: 10.1016/j.techfore.2019.04.014
	Smart sustainable cities of the future: An extensive interdisciplinary literature review, S., Bibri et al., Sustainable Cities and Society , 2017, DOI: 10.1016/j.scs.2017.02.016
	Smart technologies for smart governments: A review of technological tools in smart cities, J., Lopez-Quiles et al., Public Administration and Information Technology , 2018, DOI: 10.1007/978-3-319-58577-2_1
	Smart urban mobility innovations: A comprehensive review and evaluation, L., Butler et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3034596
	Smarter ecosystems for smarter cities? A review of trends, technologies, and turning points for smart urban forestry, S., Nitoslawski et al., Sustainable Cities and Society , 2019, DOI: 10.1016/j.scs.2019.101770
	Social inclusion indicators for building citizen-centric smart cities: A systematic literature review, J.A., Malek et al., Sustainability (Switzerland) , 2021, DOI: 10.3390/su13010376
	Spatial perception and humanistic innovation in smart cities: A systematic review, T., Wang et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2019, DOI: 10.1007/

	Stakeholders approach to smart cities: A survey on smart city definitions, V., Fernandez-Anez et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2016, DOI: 10.100
	State of the art of urban smart vertical farming automation system: Advanced topologies, issues and recommendations, Saad, Mohamad Hanif Md et al., Electronics (Switzerland), 2021, DOI: 10.3390/electronics10121422
	State of the Art Survey of Deep Learning and Machine Learning Models for Smart Cities and Urban Sustainability, S., Nosratabadi et al., Lecture Notes in Networks and Systems , 2020, DOI: 10.1007/978-3-030-36841-8_22
	State of the art, trends and future of bluetooth low energy, near field communication and visible light communication in the development of smart cities, G., Cerruela Garcia et al., Sensors (Switzerland) , 2016, DOI: 10.3390/s16111968
	State-of-the-Art and Emerging Trends in Internet of Things for Smart Cities, B., Gopinath et al., EAI/Springer Innovations in Communication and Computing , 2021, DOI: 10.1007/978-3-030-70183-3_12
	State-of-the-art in smart streetlight systems: a review, M., Mahoor et al., IET Smart Cities , 2020, DOI: 10.1049/iet-smc.2019.0029
	Streaming remote sensing data processing for the future smart cities: State of the art and future challenges, X., Sun et al., Environmental Information Systems: Concepts, Methodologies, Tools, and Applications , 2018, DOI: 10.4018/978-1-5225-7033-2.ch077
	Streaming remote sensing data processing for the future smart cities: State of the art and future challenges, X., Sun et al., International Journal of Distributed Systems and Technologies , 2016, DOI: 10.4018/IJDST.2016010101
	Study and Design of Smart City with Internet of Things: A Review, G., Chaudhary et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-15-2854-5_47
	Survey of data-centric Smart City, J., Wang et al., Jisuanji Yanjiu yu Fazhan/Computer Research and Development , 2014, DOI: 10.7544/issn1000-1239.2014.20131586
	Survey of Reservation Techniques in Smart Parking, N., Elkhalidi et al., ICSSD 2019 - International Conference on Smart Systems and Data Science , 2019, DOI: 10.1109/ICSSD47982.2019.9003165
	Survey of smart city initiatives towards urbanization, E., Tabane et al., Proceedings - 2016 3rd International Conference on Advances in Computing, Communication and Engineering, ICACCE 2016 , 2017, DOI: 10.1109/ICACCE.2016.8073788
	Survey of smart parking systems, M.G.D., Ogas et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/app10113872
	Survey of various data collection ways for smart transportation domain of smart city, S., Shukla et al., Proceedings of the International Conference on IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2017 , 2017, DOI: 10.1109/I-SMAC.2017.8058265
	Survey on collaborative smart drones and internet of things for improving smartness of smart cities, S.H., Alsamhi et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2934998
	Survey on energy efficient smart street light system, S., Badgelwar et al., Proceedings of the International Conference on IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2017 , 2017, DOI: 10.1109/I-SMAC.2017.8058303
	Survey on localization methods for autonomous vehicles in smart cities, A., Chehri et al., PervasiveHealth: Pervasive Computing Technologies for Healthcare , 2019, DOI: 10.1145/3368756.3369101
	Survey on nature inspired algorithm for smart city applications, T., Dhivyaprabha et al., ACM International Conference Proceeding Series , 2017, DOI: 10.1145/3175628.3175642
	Survey on Routing Services for Smart Delivery in Urban Environments, A., Kakarountas et al., SEEDA-CECNSM 2020 - 5th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference , 2020, DOI: 10.1109/SEEDA-CECNS

	Survey on traffic prediction in smart cities, A., Nagy et al., <i>Pervasive and Mobile Computing</i> , 2018, DOI: 10.1016/j.pmcj.2018.07.004
	Sustainability and resilience in smart city planning: A review, L.J.R., Lopez et al., <i>Sustainability (Switzerland)</i> , 2021, DOI: 10.3390/su13010181
	Sustainable cyber-physical production systems in big data-driven smart urban economy: A systematic literature review, M., Andronie et al., <i>Sustainability (Switzerland)</i> , 2021, DOI: 10.3390/su13020751
	Sustainable development of smart cities: A systematic review of the literature, E., Trindade et al., <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2017, DOI: 10.1186/s40852-017-0063-2
	Sustainable smart cities through the lens of complex interdependent infrastructures: Panorama and state-of-the-art, M.H., Amini et al., <i>Studies in Systems, Decision and Control</i> , 2019, DOI: 10.1007/978-3-319-98923-5_3
	Swarm intelligence and IoT-based smart cities: A review, O., Zedadra et al., <i>Internet of Things</i> , 2019, DOI: 10.1007/978-3-319-96550-5_8
	Systematic literature review of the smart city maturity model, T., Aljowder et al., 2019 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies, 3ICT 2019 , 2019, DOI: 10.1109/3ICT.2019.8910321
	Systematic literature review on the security challenges of blockchain in IoT-based smart cities, Z., Yu et al., <i>Kybernetes</i> , 2021, DOI: 10.1108/K-07-2020-0449
	Systematic review of smart cities and climate change adaptation, J.T., Huang-Lachmann et al., <i>Sustainability Accounting, Management and Policy Journal</i> , 2019, DOI: 10.1108/SAMPJ-03-2018-0052
	Taking cloud computing to the extreme edge: A review of mist computing for smart cities and industry 4.0 in africa, E.M., Dogo et al., <i>EAI/Springer Innovations in Communication and Computing</i> , 2019, DOI: 10.1007/978-3-319-99061-3_7
	Techniques for smart & innovative parking, critical observations and Future Directions: A review, P.R., Verma et al., 2015 International Conference on Control Instrumentation Communication and Computational Technologies, ICCICCT 2015 , 2016, DOI: 10.1109
	Techniques for smart urban logistics solutions' simulation: A systematic review, I., Karakikes et al., <i>Lecture Notes in Networks and Systems</i> , 2019, DOI: 10.1007/978-3-030-12450-2_53
	Tendencies of Technologies and Platforms in Smart Cities: A State-of-the-Art Review, P., Chamoso et al., <i>Wireless Communications and Mobile Computing</i> , 2018, DOI: 10.1155/2018/3086854
	The Brazilian smart cities: A national literature review and cases examples, L., Pinheiro Junior et al., <i>Smart City Emergence: Cases From Around the World</i> , 2019, DOI: 10.1016/B978-0-12-816169-2.00017-1
	The core enabling technologies of big data analytics and context-aware computing for smart sustainable cities: a review and synthesis, S.E., Bibri et al., <i>Journal of Big Data</i> , 2017, DOI: 10.1186/s40537-017-0091-6
	The future of waste management in smart and sustainable cities: A review and concept paper, B., Esmailian et al., <i>Waste Management</i> , 2018, DOI: 10.1016/j.wasman.2018.09.047
	The governance of smart cities: A systematic literature review, R., Ruhlandt et al., <i>Cities</i> , 2018, DOI: 10.1016/j.cities.2018.02.014
	The importance of the dimensions of a smart city – A survey in small cities, I.M., Lopes et al., <i>Advances in Intelligent Systems and Computing</i> , 2018, DOI: 10.1007/978-3-319-77703-0_93
	The Leading Smart Sustainable Paradigm of Urbanism and Big Data Computing: A Topical Literature Review, S.E., Bibri et al., <i>Advances in Science, Technology and Innovation</i> , 2019, DOI: 10.1007/978-3-030-17312-8_2
	The next wave of innovation—Review of smart cities intelligent operation systems, L., Zhuhadar et al., <i>Computers in Human Behavior</i> , 2017, DOI: 10.1016/j.chb.2016.09.030

	The puzzling concept of smart city in central and eastern europe: A literature review designed for policy development, B.C., Ibănescu et al., Transylvanian Review of Administrative Sciences , 2020, DOI: 10.24193/tras.61E.4
	The resilient – smart city development: a literature review and novel frameworks exploration, Khatibi, Hamed et al., Built Environment Project and Asset Management, 2021, DOI: 10.1108/BEPAM-03-2020-0049
	The Role of Artificial Intelligence in Smart Cities: Systematic Literature Review, I., Dominikovic et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2021, DOI: 10.1007/978-3-030-
	The role of shared autonomous vehicle systems in delivering smart urban mobility: A systematic review of the literature, F., Golbabaie et al., International Journal of Sustainable Transportation , 2021, DOI: 10.1080/15568318.2020.1798571
	The role of sustainability in the relationship between migration and smart cities: a bibliometric review, A.M., Mouazen et al., Digital Policy, Regulation and Governance , 2020, DOI: 10.1108/DPRG-04-2020-0051
	The Sensable City: A Survey on the Deployment and Management for Smart City Monitoring, R., Du et al., IEEE Communications Surveys and Tutorials , 2019, DOI: 10.1109/COMST.2018.2881008
	The Smart City journey: a systematic review and future research agenda, C., Echebarria et al., Innovation: The European Journal of Social Science Research , 2021, DOI: 10.1080/13511610.2020.1785277
	The Status of Research on Smart Cities: A Review, Rashmi et al., Urban Book Series , 2019, DOI: 10.1007/978-3-319-94932-1_3
	Theoretical Concepts of Smart Cities: A Critical Review, S., Keshvardoost et al., Proceedings - 2019 3rd International Conference on Smart Grid and Smart Cities, ICSGSC 2019 , 2019, DOI: 10.1109/ICSGSC.2019.00-23
	Towards a smart city based on cloud of things, a survey on the smart city vision and paradigms, R., Petrolo et al., Transactions on Emerging Telecommunications Technologies , 2017, DOI: 10.1002/ett.2931
	Towards a smart water city: A comprehensive review of applications, data requirements, and communication technologies for integrated management, Oberascher, Martin et al., Sustainable Cities and Society, 2022, DOI: 10.1016/j.scs.2021.103442
	Towards smart sustainable cities: A review of the role digital citizen participation could play in advancing social sustainability, I., Bouzguenda et al., Sustainable Cities and Society , 2019, DOI: 10.1016/j.scs.2019.101627
	Towards Smarter and Fairer Justice? A Review of the Chinese Scholarship on Building Smart Courts and Automating Justice, S., Papagiannas et al., Journal of Current Chinese Affairs , 2021, DOI: 10.1177/18681026211021412
	Towards smarter cities and roads: A survey of clustering algorithms in VANETs, I., Tal et al., Civil and Environmental Engineering: Concepts, Methodologies, Tools, and Applications , 2016, DOI: 10.4018/978-1-4666-9619-8.ch073
	Towards smarter cities and roads: A survey of clustering algorithms in VANETs, I., Tal et al., Convergence of Broadband, Broadcast, and Cellular Network Technologies , 2014, DOI: 10.4018/978-1-4666-5978-0.ch002
	Towards sustainable smart cities: A review of trends, architectures, components, and open challenges in smart cities, B.N., Silva et al., Sustainable Cities and Society , 2018, DOI: 10.1016/j.scs.2018.01.053
	Triple Helix in smart cities: A literature review about the vision of public bodies, universities, and private companies, R., Dameri et al., Proceedings of the Annual Hawaii International Conference on System Sciences , 2016, DOI: 10.1109/HICSS.2016.372
	Understanding citizen issues through reviews: A step towards data informed planning in Smart Cities, N., Dilawar et al., Applied Sciences (Switzerland) , 2018, DOI: 10.3390/app8091589

	Understanding smart city—a data-driven literature review, J., Stubinger et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/su12208460
	Understanding the smart city domain: A literature review, L.G., Anthopoulos et al., Transforming City Governments for Successful Smart Cities , 2015, DOI: 10.1007/978-3-319-03167-5_2
	Urban enterprise: A review of Smart City frameworks from an enterprise architecture perspective, A., Mamkaitis et al., IEEE 2nd International Smart Cities Conference: Improving the Citizens Quality of Life, ISC2 2016 - Proceedings , 2016, DOI: 10.1109/IS
	Urban-architect role in smart-city context literature review and case studies, C.G., Lima et al., 2017 International Conference on Engineering, Technology and Innovation: Engineering, Technology and Innovation Management Beyond 2020: New Challenges, New
	Use of BIM in Development of Smart Cities: A Review, L.K., Goyal et al., IOP Conference Series: Materials Science and Engineering , 2020, DOI: 10.1088/1757-899X/955/1/012010
	Utilization of ICT and AI techniques in harnessing residential energy consumption for an energy-aware smart city: A review, Mahmood, Danish et al., International Journal of Advanced and Applied Sciences, 2021, DOI: 10.21833/ijaas.2021.07.007
	Virtual Reality Applications for Smart Cities in Health: A Systematic Review, M.R., Brum et al., Proceedings - 2015 17th Symposium on Virtual and Augmented Reality, SVR 2015 , 2015, DOI: 10.1109/SVR.2015.30
	Virtual reality for smart urban lighting design: Review, applications and opportunities, M., Scorpio et al., Energies , 2020, DOI: 10.3390/en13153809
	What makes a city 'smart' in the Anthropocene? A critical review of smart cities under climate change, Obringer, Renee et al., Sustainable Cities and Society, 2021, DOI: 10.1016/j.scs.2021.103278
	Worlding and provincialising smart cities: From individual case studies to a global comparative research agenda, B., Miller et al., Urban Studies , 2021, DOI: 10.1177/0042098020976086
smart clothing, smart shoes	A review of smart clothing in military, S., Scataglini et al., WearSys 2015 - Proceedings of the 2015 Workshop on Wearable Systems and Applications , 2015, DOI: 10.1145/2753509.2753520
	A Review of Smart Technologies Embedded in Shoes, D., Gokalgandhi et al., Journal of Medical Systems , 2020, DOI: 10.1007/s10916-020-01613-7
	A review of wearable technology for smart gloves, L., Frances et al., Dyna (Spain) , 2018, DOI: 10.6036/8623
	A Review on Smart Gloves to Convert Sign to Speech for Mute Community, K., Sohelrana et al., ICRITO 2020 - IEEE 8th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) , 2020, DOI: 10.1109/ICRITO4
	A survey on smart shoe insole systems, S., Saidani et al., 2018 International Conference on Smart Applications, Communications and Networking, SmartNets 2018 , 2018, DOI: 10.1109/SMARTNETS.2018.8707391
	A systematic review of commercial smart gloves: Current status and applications, Caeiro-Rodriguez, Manuel et al., Sensors, 2021, DOI: 10.3390/s21082667
	A systematic review of smart clothing in sports: Possible applications to extreme sports, S., Scataglini et al., Muscles, Ligaments and Tendons Journal , 2020, DOI: 10.32098/mltj.02.2020.19
	Effects of smart garments on the well-being of athletes: A scoping review protocol, A., Al Mahmud et al., BMJ Open , 2020, DOI: 10.1136/bmjopen-2020-042127
	Electrode placement in electrocardiography smart garments: A review, A., Soroudi et al., Journal of Electrocardiology , 2019, DOI: 10.1016/j.jelectrocard.2019.08.015

	REM: A publication for residents and fellows media review: The Owlet Smart Sock-a "must have" for the baby registry?, A., Malik et al., Journal of Clinical Sleep Medicine , 2020, DOI: 10.5664/jcsm.8400
	Review and reappraisal of smart clothing, G., Cho et al., International Journal of Human-Computer Interaction , 2009, DOI: 10.1080/10447310902997744
	Scientometric analysis of research in smart clothing: State of the art and future direction, K., Choi et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2011, DOI
	Smart shirts for monitoring physiological parameters: Scoping review, H., Khundaqji et al., JMIR mHealth and uHealth , 2020, DOI: 10.2196/18092
	Smart socks and in-shoe systems: State-of-the-art for two popular technologies for foot motion analysis, sports, and medical applications, A., Drăgulinescu et al., Sensors (Switzerland) , 2020, DOI: 10.3390/s20154316
	The Use of Smart Insoles for Gait Analysis: A Systematic Review, Paixao, Lauriston Medeiros et al., Lecture Notes in Mechanical Engineering, 2022, DOI: 10.1007/978-3-030-79165-0_42
	Towards the internet-of-smart-clothing: A review on IoT wearables and garments for creating intelligent connected E-textiles, T.M., Fernandez-Carames et al., Electronics (Switzerland) , 2018, DOI: 10.3390/electronics7120405
smart contract	A comprehensive survey on smart contract construction and execution: paradigms, tools, and systems, B., Hu et al., Patterns , 2021, DOI: 10.1016/j.patter.2020.100179
	A Review of Smart Contracts Applications in Various Industries: A Procurement Perspective, Y., Xu et al., Advances in Civil Engineering , 2021, DOI: 10.1155/2021/5530755
	A ring signature trust model for project review based on blockchain smart contract, Fu, Hao et al., Tehnicki Vjesnik, 2021, DOI: 10.17559/TV-20201224085501
	A survey of attacks on Ethereum smart contracts (SoK), N., Atzei et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2017, DOI: 10.1007/978-3-662-54455-6_8
	A Survey of Smart Contract Formal Specification and Verification, Tolmach, Palina et al., ACM Computing Surveys, 2022, DOI: 10.1145/3464421
	A Survey of Smart Contract Vulnerability Research, Y., Ni et al., Journal of Cyber Security , 2020, DOI: 10.19363/J.cnki.cn10-1380/tn.2020.05.07
	A survey of tools for analyzing ethereum smart contracts, M., Di Angelo et al., Proceedings - 2019 IEEE International Conference on Decentralized Applications and Infrastructures, DAPPCON 2019 , 2019, DOI: 10.1109/DAPPCON.2019.00018
	A survey on efficient parallelization of blockchain-based smart contracts, A., Meneghetti et al., Annals of Emerging Technologies in Computing , 2019, DOI: 10.33166/AETiC.2019.05.002
	A Survey on Formal Verification for Solidity Smart Contracts, I., Garfatta et al., ACM International Conference Proceeding Series , 2021, DOI: 10.1145/3437378.3437879
	A Survey on Security Verification of Blockchain Smart Contracts, J., Liu et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2921624
	A Survey on Smart Contract Platforms and Features, Suvitha, M. et al., 2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021, 2021, DOI: 10.1109/ICACCS51430.2021.9441970
	A Survey on Vulnerability Detection Tools of Smart Contract Bytecode, J., Xu et al., Proceedings of 2020 IEEE 3rd International Conference on Information Systems and Computer Aided Education, ICISCAE 2020 , 2020, DOI: 10.1109/ICISCAE51034.2020.9236931
	A survey: Making "Smart Contracts" really smart, T., Timucin et al., Transactions on Emerging Telecommunications Technologies , 2021, DOI: 10.1002/ett.4338

	A systematic literature review of blockchain and smart contract development: Techniques, tools, and open challenges, Vacca, Anna et al., Journal of Systems and Software, 2021, DOI: 10.1016/j.jss.2020.110891
	A Systematic Literature Review of Blockchain-Enabled Smart Contracts: Platforms, Languages, Consensus, Applications and Choice Criteria, S., Dhaiouir et al., Lecture Notes in Business Information Processing , 2020, DOI: 10.1007/978-3-030-50316-1_15
	A Systematic Literature Review of Smart Contract Applications, E., Ghazizadeh et al., Advances in Intelligent Systems and Computing , 2021, DOI: 10.1007/978-3-030-63092-8_59
	An empirical review on blockchain smart contracts: Application and challenges in implementation, J., Mandloi et al., International Journal of Computer Networks and Applications , 2020, DOI: 10.22247/ijcna/2020/195718
	Applicability of Blockchain smart contracts in securing Internet and IoT: A systematic literature review, A.H., Lone et al., Computer Science Review , 2021, DOI: 10.1016/j.cosrev.2020.100360
	Blockchain and smart contract for access control in healthcare: A survey, issues and challenges, and open issues, Sookhak, Mehdi et al., Journal of Network and Computer Applications, 2021, DOI: 10.1016/j.jnca.2020.102950
	Empirical review of automated analysis tools on 47,587 ethereum smart contracts, T., Durieux et al., Proceedings - International Conference on Software Engineering , 2020, DOI: 10.1145/3377811.3380364
	Ethereum smart contract security research: survey and future research opportunities, Wang, Zeli et al., Frontiers of Computer Science, 2021, DOI: 10.1007/s11704-020-9284-9
	Ethereum's smart contracts construction and development using model driven engineering technologies: A review, Y.A., Hsain et al., Procedia Computer Science , 2021, DOI: 10.1016/j.procs.2021.03.097
	Formal-Verification of Smart-Contract Languages: A Survey, V., Dwivedi et al., Communications in Computer and Information Science , 2019, DOI: 10.1007/978-981-13-9942-8_68
	Legally Enforceable Smart-Contract Languages:A Systematic Literature Review, Dwivedi, Vimal et al., ACM Computing Surveys, 2021, DOI: 10.1145/3453475
	Model-based software design and testing in blockchain smart contracts: A systematic literature review, N., Sanchez-Gomez et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3021502
	On the Verification of Smart Contracts: A Systematic Review, M., Almakhour et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2020, DOI: 10.1007/978-3-030-59638-5
	Recent Advances in Smart Contracts: A Technical Overview and State of the Art, V.Y., Kemmoe et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3005020
	Reliable smart contracts: State-of-the-art, applications, challenges and future directions, C., Sanchez et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2018, D
	Review on Formal Verification of Smart Contract, Zhu, Jian et al., Tien Tzu Hsueh Pao/Acta Electronica Sinica, 2021, DOI: 10.12263/DZXB.20200723
	ReviewChain: Smart Contract Based Review System with Multi-Blockchain Gateway, K., Wang et al., Proceedings - IEEE 2018 International Congress on Cybermatics: 2018 IEEE Conferences on Internet of Things, Green Computing and Communications, Cyber, Physica
	Security Challenges and Opportunities for Smart Contracts in Internet of Things: A Survey, Peng, Kai et al., IEEE Internet of Things Journal, 2021, DOI: 10.1109/JIOT.2021.3074544

	Security enhancement technologies for smart contracts in the blockchain: A survey, Y., Wang et al., Transactions on Emerging Telecommunications Technologies , 2021, DOI: 10.1002/ett.4341
	Security, performance, and applications of smart contracts: A systematic survey, S., Rouhani et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2911031
	Smart Contract Based Academic Paper Review System, M., Yoo et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-13-9341-9_44
	Smart contract-based review system for an IoT data marketplace, J., Park et al., Sensors (Switzerland) , 2018, DOI: 10.3390/s18103577
	Smart contracts for blockchain-based reputation systems: A systematic literature review, A.S., Almasoud et al., Journal of Network and Computer Applications , 2020, DOI: 10.1016/j.jnca.2020.102814
	Smart Contracts for User Registration on Ethereum Technology: Systematic Literature Review, Narvaez, Ramiro Cristian et al., Smart Innovation, Systems and Technologies, 2022, DOI: 10.1007/978-981-16-4126-8_62
	Smart contracts on the blockchain – A bibliometric analysis and review, L., Ante et al., Telematics and Informatics , 2021, DOI: 10.1016/j.tele.2020.101519
	Survey of formal verification methods for smart contracts on blockchain, Y., Murray et al., 2019 10th IFIP International Conference on New Technologies, Mobility and Security, NTMS 2019 - Proceedings and Workshop , 2019, DOI: 10.1109/NTMS.2019.8763832
	Survey of smart contract framework and its application, Negara, Edi Surya et al., Information (Switzerland), 2021, DOI: 10.3390/info12070257
	Survey of smart contract security, B., Meng et al., Chinese Journal of Network and Information Security , 2020, DOI: 10.11959/j.issn.2096-109x.2020030
	Survey of Smart Contract Technology and Application Based on Blockchain, H., He et al., Jisuanji Yanjiu yu Fazhan/Computer Research and Development , 2018, DOI: 10.7544/issn1000-1239.2018.20170658
	Survey on blockchain based smart contracts: Applications, opportunities and challenges, T., Hewa et al., Journal of Network and Computer Applications , 2021, DOI: 10.1016/j.jnca.2020.102857
	Survey on Blockchain-Based Smart Contracts: Technical Aspects and Future Research, T.M., Hewa et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3068178
	Systematic Literature Review of Blockchain Applications: Smart Contracts, E., Leka et al., 2019 International Conference on Information Technologies, InfoTech 2019 - Proceedings , 2019, DOI: 10.1109/InfoTech.2019.8860872
	Systematic literature review of blockchain based smart contracts platforms, S., Parjuangan et al., 2020 International Conference on Information Technology Systems and Innovation, ICITSI 2020 - Proceedings , 2020, DOI: 10.1109/ICITSI50517.2020.9264908
	The State of the Art for Blockchain-Enabled Smart-Contract Applications in the Organization, C., Udokwu et al., Proceedings - 2018 Ivannikov Isp Ras Open Conference, ISPRAS 2018 , 2019, DOI: 10.1109/ISPRAS.2018.00029
	The Vulnerabilities in Smart Contracts: A Survey, X., Tang et al., Communications in Computer and Information Science , 2021, DOI: 10.1007/978-3-030-78621-2_14
	Towards Interoperable Blockchains: A Survey on the Role of Smart Contracts in Blockchain Interoperability, S., Khan et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3106384
	Validation and verification of smart contracts: A research agenda, D., Magazzeni et al., Computer , 2017, DOI: 10.1109/MC.2017.3571045
	Verification of smart contracts: A survey, M., Almakhour et al., Pervasive and Mobile Computing , 2020, DOI: 10.1016/j.pmcj.2020.101227
smart device, smart object, smart well	A comprehensive overview of smart wearables: The state of the art literature, recent advances, and future challenges, N., Niknejad et al., Engineering Applications of Artificial Intelligence , 2020, DOI: 10.1016/j.engappai.2020.103529

	A literature review on smart-well technology, C., Gao et al., SPE Production and Operations Symposium, Proceedings , 2007, DOI: 10.2523/106011-ms
	A review and development methodology of a lightweight security model for IoT-based smart devices, M., Gurunathan et al., International Journal of Advanced Computer Science and Applications , 2020, DOI: 10.14569/ijacsa.2020.0110217
	A review of adaptive beamforming techniques for wideband smart antennas, M., Rivas et al., 2010 6th International Conference on Wireless Communications, Networking and Mobile Computing, WiCOM 2010 , 2010, DOI: 10.1109/WICOM.2010.5600119
	A review of computational offloading in Smart Mobile Devices for mobile cloud computing, Z., Zhang et al., 2016 2nd IEEE International Conference on Computer and Communications, ICC 2016 - Proceedings , 2017, DOI: 10.1109/CompComm.2016.7925196
	A review of facial biometrics security for smart devices, M.G., Galterio et al., Computers , 2018, DOI: 10.3390/computers7030037
	A review of smart TV: Past, present, and future, I., Alam et al., ICOSST 2017 - 2017 International Conference on Open Source Systems and Technologies, Proceedings , 2018, DOI: 10.1109/ICOSST.2017.8279002
	A review of smart volume controllers for consumer electronics, S., Kumar et al., IEEE Transactions on Consumer Electronics , 2005, DOI: 10.1109/TCE.2005.1468006
	A review on 3D printed smart devices for 4D printing, J., Lee et al., International Journal of Precision Engineering and Manufacturing - Green Technology , 2017, DOI: 10.1007/s40684-017-0042-x
	A review on distributed application processing frameworks in smart mobile devices for mobile cloud computing, M., Shiraz et al., IEEE Communications Surveys and Tutorials , 2013, DOI: 10.1109/SURV.2012.111412.00045
	A Review on IoT based Smart Card System for Students, R., Bankar et al., Proceedings of the 4th International Conference on Inventive Systems and Control, ICISC 2020 , 2020, DOI: 10.1109/ICISC47916.2020.9171219
	A Review on Psychophysiological monitoring for depression detection with therapeutic cure using AI enabled smart devices, I., Sawarkar et al., 2019 IEEE 5th International Conference for Convergence in Technology, I2CT 2019 , 2019, DOI: 10.1109/I2CT45611.
	A review on remote user authentication schemes using smart cards, K., Srivastava et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2013, DOI: 10.1007/978-3-642-37949-9_64
	A review on smart wearable devices for soldier safety during battlefield using WSN technology, S., Kodam et al., Materials Today: Proceedings , 2020, DOI: 10.1016/j.matpr.2020.08.191
	A Review-Based Taxonomy for Secure Health Care Monitoring: Wireless Smart Cameras, R.T., Batchu et al., Journal of Applied Security Research , 2021, DOI: 10.1080/19361610.2021.1947112
	A scoping review on smart mobile devices and physical strain, P., Tegtmeier et al., Work , 2018, DOI: 10.3233/WOR-172678
	A smart card transaction "travel diary" to assess the accuracy of the Montreal household travel survey, T., Spurr et al., Transportation Research Procedia , 2015, DOI: 10.1016/j.trpro.2015.12.030
	A survey and design of a scalable mobile edge cloud platform for the smart IoT devices and it's applications, Y., Cho et al., Lecture Notes in Electrical Engineering , 2017, DOI: 10.1007/978-981-10-3023-9_106
	A survey of essential problems in the design of smart antenna system, H., Im et al., Microwave and Optical Technology Letters , 2002, DOI: 10.1002/mop.10222
	A survey of patterns for adapting smartphone app UIs to smart watches, Z., Zhou et al., Conference Proceedings - 22nd International Conference on Human-Computer Interaction with Mobile Devices and Services: Expanding the Horizon of Mobile Interaction, Mo

	A survey of recent developments in cryptographic algorithms for smart cards, B., Preneel et al., <i>Computer Networks</i> , 2007, DOI: 10.1016/j.comnet.2007.01.008
	A survey of systems-on-chip solutions for smart cameras, A., Ahmadinia et al., <i>Distributed Embedded Smart Cameras: Architectures, Design and Applications</i> , 2014, DOI: 10.1007/978-1-4614-7705-1_2
	A survey on contactless smart cards and payment system: Technologies, policies, attacks and countermeasures, B.B., Gupta et al., <i>Journal of Global Information Management</i> , 2020, DOI: 10.4018/JGIM.2020100108
	A survey on health prediction using human activity patterns through smart devices, G., Akhila et al., <i>International Journal of Engineering and Technology(UAE)</i> , 2018, DOI: 10.14419/ijet.v7i1.1.9472
	A survey on IoT contribution in smart goods ordering cycle ? Amazon buttons, D., Shubair et al., <i>ACM International Conference Proceeding Series</i> , 2018, DOI: 10.1145/3231053.3231067
	A survey on physical authentication methods for smart objects in IoT ecosystem, S., Jiao et al., <i>Internet of Things (Netherlands)</i> , 2019, DOI: 10.1016/j.iot.2019.02.003
	A Survey on Securing Smart Gadgets Using Lightweight Cryptography, A., Patil et al., <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2020, DOI: 10.1007/978-981-15-1002-1_51
	A Survey on Sensor-Based Threats and Attacks to Smart Devices and Applications, Sikder, Amit Kumar et al., <i>IEEE Communications Surveys and Tutorials</i> , 2021, DOI: 10.1109/COMST.2021.3064507
	A Survey on Smart Wearables in the Application of Fitness, H., Qiu et al., <i>Proceedings - 2017 IEEE 15th International Conference on Dependable, Autonomic and Secure Computing, 2017 IEEE 15th International Conference on Pervasive Intelligence and Computin</i>
	A survey-based exploration of users' awareness and their willingness to protect their data with smart objects, C.I., Wickramasinghe et al., <i>IFIP Advances in Information and Communication Technology</i> , 2020, DOI: 10.1007/978-3-030-42504-3_27
	Always connected, but are smart mobile users getting more security savvy? A survey of smart mobile device users, J., Imgraben et al., <i>Behaviour and Information Technology</i> , 2014, DOI: 10.1080/0144929X.2014.934286
	American preferences for "smart" guns versus traditional weapons: Results from a nationwide survey, L., Wallace et al., <i>Preventive Medicine Reports</i> , 2016, DOI: 10.1016/j.pmedr.2016.05.005
	AN EVALUATIVE REVIEW of SIMULATED DYNAMIC SMART 3D OBJECTS, H., Romeijn et al., <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 2012, DOI: 10.5194/isprsannals-I-4-125-2012
	An internet of things toward a novel smart helmet for motorcycle: Review, Pangestu, Agung et al., <i>AIP Conference Proceedings</i> , 2021, DOI: 10.1063/5.0037483
	Analysis on current practice and needs based survey of parents and speech-language pathologists for reading intervention with smart device applications, Y., Lee et al., <i>Communication Sciences and Disorders</i> , 2016, DOI: 10.12963/csd.16322
	Applications of smart glasses in applied sciences: A systematic review, Kim, Dawon et al., <i>Applied Sciences (Switzerland)</i> , 2021, DOI: 10.3390/app11114956
	Applications of smart helmet in applied sciences: A systematic review, Choi, Yosoon et al., <i>Applied Sciences (Switzerland)</i> , 2021, DOI: 10.3390/app11115039
	Applications of transit smart cards beyond a fare collection tool: A literature review, H., Faroqi et al., <i>Advances in Transportation Studies</i> , 2018, DOI: 10.4399/978255166098
	Assessment of smart watches for management of non-communicable diseases in the ageing population: A systematic review, L.A.N., Gordon et al., <i>Geriatrics (Switzerland)</i> , 2018, DOI: 10.3390/geriatrics3030056

	Augmented reality smart glasses for operators in production: Survey of relevant categories for supporting operators, O., Danielsson et al., <i>Procedia CIRP</i> , 2020, DOI: 10.1016/j.procir.2020.04.099
	Augmented Reality Smart Glasses in the Smart Factory: Product Evaluation Guidelines and Review of Available Products, A., Syberfeldt et al., <i>IEEE Access</i> , 2017, DOI: 10.1109/ACCESS.2017.2703952
	College Student Attitudes Towards “Smart” Guns: Results from a Nationwide Survey, L.N., Wallace et al., <i>Journal of Community Health</i> , 2018, DOI: 10.1007/s10900-017-0387-7
	Combination of smart card data with person trip survey data, T., Kusakabe et al., <i>Public Transport Planning with Smart Card Data</i> , 2017, DOI: 10.1201/9781315370408
	Combining smart card data and household travel survey to analyze jobs-housing relationships in Beijing, Y., Long et al., <i>Computers, Environment and Urban Systems</i> , 2015, DOI: 10.1016/j.compenvurbsys.2015.02.005
	Comparative Structural Evaluation of Transit Travel Demand using Travel Survey and Smart Card Data for Metropolitan Transit Financing, T., Spurr et al., <i>Transportation Research Record</i> , 2018, DOI: 10.1177/0361198118773897
	Convergence of interactive displays with smart mobile devices for effective advertising: A survey, J., She et al., <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2014, DOI: 10.1145/2557450
	Daily life with "clova" smart speaker: Topic Modeling of "clova" Review Data, X., Li et al., <i>PervasiveHealth: Pervasive Computing Technologies for Healthcare</i> , 2019, DOI: 10.1145/3335595.3335603
	Diagnostic accuracy of smart gadgets/wearable devices in detecting atrial fibrillation: A systematic review and meta-analysis, N., Prasitlumkum et al., <i>Archives of Cardiovascular Diseases</i> , 2021, DOI: 10.1016/j.acvd.2020.05.015
	Driver-assisted bus interview passive transit travel survey with smart card automatic fare collection system and applications, K., Chu et al., <i>Transportation Research Record</i> , 2009, DOI: 10.3141/2105-01
	Dynamic Id Based Remote User Authentication in Multi Server Environment Using Smart Cards: A Review, S., Gaharana et al., <i>Proceedings - 2015 International Conference on Computational Intelligence and Communication Networks, CICN 2015</i> , 2016, DOI: 10.1109
	Dynamic ID-based remote user password authentication schemes using smart cards: A review, R., Madhusudhan et al., <i>Journal of Network and Computer Applications</i> , 2012, DOI: 10.1016/j.jnca.2012.01.007
	Effect of smart devices on the quality of CPR training: A systematic review, M., An et al., <i>Resuscitation</i> , 2019, DOI: 10.1016/j.resuscitation.2019.07.011
	Efficacy of e-health and smart devices in occupational health and safety: A literature review, J.P., Garsi et al., <i>Environnement, Risques et Sante</i> , 2019, DOI: 10.1684/ers.2019.1369
	E-health support in people with Parkinson's disease with smart glasses: A survey of user requirements and expectations in the Netherlands, Y., Zhao et al., <i>Journal of Parkinson's Disease</i> , 2015, DOI: 10.3233/JPD-150568
	Empowering Technology Enabled Care Using IoT and Smart Devices: A Review, H., Baali et al., <i>IEEE Sensors Journal</i> , 2018, DOI: 10.1109/JSEN.2017.2786301
	Estimating dynamic workplace capacities by means of public transport smart card data and household travel survey in Singapore, S., Medina et al., <i>Transportation Research Record</i> , 2013, DOI: 10.3141/2344-03
	Evaluation of usefulness of smart device-based testing: A survey study of Korean medical students, Y.C., Lee et al., <i>Korean Journal of Medical Education</i> , 2020, DOI: 10.3946/KJME.2020.172

	Exploratory study of the implications of research on the use of smart connected devices for prevention: A scoping review, A., Petit et al., BMC Public Health , 2016, DOI: 10.1186/s12889-016-3225-4
	Exploring the relationship between travel pattern and social-demographics using smart card data and household survey, Y., Zhang et al., International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives , 2019,
	Exploring the State-of-the-Art of Persuasive Design for Smart Personal Assistants, D., Benner et al., Lecture Notes in Information Systems and Organisation , 2021, DOI: 10.1007/978-3-030-86797-3_21
	Features and futures of smart antennas for wireless communications: A technical review, A., Oluwole et al., Journal of Engineering Science and Technology Review , 2018, DOI: 10.25103/jestr.114.02
	Fingerprint Matching on Smart Card: A Review, K., Baruni et al., Proceedings - 2016 International Conference on Computational Science and Computational Intelligence, CSCI 2016 , 2017, DOI: 10.1109/CSCI.2016.0157
	Green distributed antenna systems for smart communities: A comprehensive survey, H., Cui et al., China Communications , 2019, DOI: 10.23919/JCC.2019.11.006
	Health at hand: A systematic review of smart watch uses for health and wellness, B., Reeder et al., Journal of Biomedical Informatics , 2016, DOI: 10.1016/j.jbi.2016.09.001
	Health checking system using smart wristband: A review, L., Pattnaik et al., International Journal of Psychosocial Rehabilitation , 2019, DOI: 10.37200/IJPR/V23I6/PR190765
	Healthcare applications of smart watches: A systematic review, T.C., Lu et al., Applied Clinical Informatics , 2016, DOI: 10.4338/ACI-2016-03-R-0042
	Identifying and segmenting commuting behavior patterns based on smart card data and travel survey data, P., Lin et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/su12125010
	Inferring weekly primary activity patterns using public transport smart card data and a household travel survey, S.A., Ordonez Medina et al., Travel Behaviour and Society , 2018, DOI: 10.1016/j.tbs.2016.11.005
	Integrability and reliability of smart wearables in virtual reality experiences: A subjective review, S., Houzangbe et al., ACM International Conference Proceeding Series , 2018, DOI: 10.1145/3234253.3234305
	Interaction Methods for Smart Glasses: A Survey, L., Lee et al., IEEE Access , 2018, DOI: 10.1109/ACCESS.2018.2831081
	Internet of Things Based Smart Mirrors: A Literature Review, D.A., Alboaneen et al., ICCAIS 2020 - 3rd International Conference on Computer Applications and Information Security , 2020, DOI: 10.1109/ICCAIS48893.2020.9096719
	Knowledge discovery for enabling smart Internet of Things: A survey, S., Misra et al., Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery , 2018, DOI: 10.1002/widm.1276
	Leveraging mobile smart devices to improve interprofessional communications in inpatient practice setting: A literature review, T.D., Aungst et al., Journal of Interprofessional Care , 2015, DOI: 10.3109/13561820.2015.1049339
	Lightweight cipher algorithms for smart cards security: A survey and open challenges, J., Kaur et al., 4th IEEE International Conference on Signal Processing, Computing and Control, ISPCC 2017 , 2017, DOI: 10.1109/ISPCC.2017.8269738
	Memories: A Survey of Their Secure Uses in Smart Cards, M., Neve et al., 2nd IEEE International Security in Storage Workshop, SISW 2003 , 2004, DOI: 10.1109/SISW.2003.10004
	Mining combined smart card data and survey data for transit users' travel patterns and demands, J., Yuan et al., CICTP 2017: Transportation Reform and Change - Equity, Inclusiveness, Sharing, and Innovation - Proceedings of the 17th COTA International Co

	Nanoceramic VO2 thermochromic smart glass: A review on progress in solution processing, Y., Gao et al., Nano Energy , 2012, DOI: 10.1016/j.nanoen.2011.12.002
	Network smart card review and analysis, H., Lu et al., Computer Networks , 2007, DOI: 10.1016/j.comnet.2007.01.009
	Neural network applications in smart antenna arrays: A review, A., Rawat et al., AEU - International Journal of Electronics and Communications , 2012, DOI: 10.1016/j.aeue.2012.03.012
	Neural networks in smart antenna design for co-channel interference (CCI) reduction: A review, S., Mishra et al., 5th International Conference on Wireless and Mobile Communications, ICWMC 2009 , 2009, DOI: 10.1109/ICWMC.2009.77
	Operating systems for low-end smart devices: a survey and a proposed solution framework, J., Kaur et al., International Journal of Information Technology (Singapore) , 2018, DOI: 10.1007/s41870-017-0044-5
	Partitioning and offloading in smart mobile devices for mobile cloud computing: State of the art and future directions, F., Gu et al., Journal of Network and Computer Applications , 2018, DOI: 10.1016/j.jnca.2018.06.009
	Patient perceptions regarding the use of smart devices for medical photography: results of a patient-based survey, A., Nair et al., International Ophthalmology , 2019, DOI: 10.1007/s10792-018-0878-2
	Potentials and challenges of augmented reality smart glasses in logistics and supply chain management: a systematic literature review, A., Rejeb et al., International Journal of Production Research , 2021, DOI: 10.1080/00207543.2021.1876942
	Remote user authentication scheme using smart card: A review, M., Karuppiyah et al., International Journal of Internet Protocol Technology , 2016, DOI: 10.1504/IJIPT.2016.079548
	Research on classification and influencing factors of metro commuting patterns by combining smart card data and household travel survey data, Y., Ji et al., IET Intelligent Transport Systems , 2019, DOI: 10.1049/iet-its.2018.5512
	Reservoir management employing smart wells: A review, C.A., Glandt et al., SPE Drilling and Completion , 2005, DOI: 10.2118/81107-pa
	Review on Cyber Risks Relating to Security Management in Smart Cars, O., Muratoglu et al., UBMK 2018 - 3rd International Conference on Computer Science and Engineering , 2018, DOI: 10.1109/UBMK.2018.8566569
	Review on Multi-pattern and Multi-polarization Smart Antennas for Aerospace Applications in Wireless Communication, G.K., Prajapati et al., EAI/Springer Innovations in Communication and Computing , 2021, DOI: 10.1007/978-3-030-49795-8_56
	Roles of Smart TV in IoT-environments: A survey, M., Yusuf et al., Conference of Open Innovation Association, FRUCT , 2017, DOI: 10.23919/FRUCT.2013.8124240
	Security in smart toys: A systematic review of literature, L., Pontes et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2019, DOI: 10.1007/978-3-030-21935-2_3
	Short paper: Tigeraware assistant: A new serverless implementation of conversational agents for customizable surveys on smart devices, Y., Handrianto et al., Proceedings - 2019 1st International Conference on Transdisciplinary AI, TransAI 2019 , 2019, DOI: 10.1109/TransAI.2019.00001
	Smart Antenna approach in underwater acoustic sensor network using OFDM: A review, J., Chavhan et al., Proceedings of the 2013 International Conference on Green Computing, Communication and Conservation of Energy, ICGCE 2013 , 2013, DOI: 10.1109/ICGCE.2013.6734240
	Smart antennas: State of the art, H., Boche et al., IEEE Vehicular Technology Magazine , 2006, DOI: 10.1109/MVT.2006.1663946
	Smart card based remote user authentication schemes-Survey, G., Jasper et al., 2012 3rd International Conference on Computing, Communication and Networking Technologies, ICCCNT 2012 , 2012, DOI: 10.1109/ICCCNT.2012.6395882

	Smart card data mining of public transport destination: A literature review, T., Li et al., Information (Switzerland) , 2018, DOI: 10.3390/info9010018
	Smart card data use in public transit: A literature review, M.P., Pelletier et al., Transportation Research Part C: Emerging Technologies , 2011, DOI: 10.1016/j.trc.2010.12.003
	Smart card technology trends: A review of the variety of applications and the market drivers, C., Shire et al., Smart Cards, Tokens, Security and Applications , 2008, DOI: 10.1007/978-0-387-72198-9_15
	Smart card technology trends: A review of the variety of applications and the market drivers, C., Shire et al., Smart Cards, Tokens, Security and Applications: Second Edition , 2017, DOI: 10.1007/978-3-319-50500-8_15
	Smart Card-Based Identity Management Protocols for V2V and V2I Communications in CCAM: A Systematic Literature Review, S., Berlato et al., IEEE Transactions on Intelligent Transportation Systems , 2021, DOI: 10.1109/TITS.2021.3118721
	Smart cards: State-of-the-art to future directions, R.N., Akram et al., IEEE International Symposium on Signal Processing and Information Technology, IEEE ISSPIT 2013 , 2013, DOI: 10.1109/ISSPIT.2013.6781871
	Smart device-based notifications: A survey on user's satisfaction of traditional notification mechanisms, S., Yoong et al., Advances in Intelligent Systems and Computing , 2018, DOI: 10.1007/978-3-319-60477-0_12
	Smart devices and wearable technologies to detect and monitor mental health conditions and stress: A systematic review, Hickey, Blake Anthony et al., Sensors, 2021, DOI: 10.3390/s21103461
	Smart devices for older adults managing chronic disease: A scoping review, B.Y.B., Kim et al., JMIR mHealth and uHealth , 2017, DOI: 10.2196/mhealth.7141
	Smart devices for the management of pediatric asthma: A scoping review protocol, C.L., Betz et al., JBI Database of Systematic Reviews and Implementation Reports , 2019, DOI: 10.11124/JBISRIR-D-19-00083
	Smart devices/mobile phone in patients with epilepsy? A systematic review, Asadi-Pooya, Ali A. et al., Acta Neurologica Scandinavica, 2021, DOI: 10.1111/ane.13492
	Smart electrochemical portable tools for cultural heritage analysis: A review, E., Valentini et al., Sensors (Switzerland) , 2019, DOI: 10.3390/s19194303
	Smart embedded passive acoustic devices for real-time hydroacoustic surveys, D.M., Toma et al., Measurement: Journal of the International Measurement Confederation , 2018, DOI: 10.1016/j.measurement.2018.05.030
	Smart glasses for caring situations in complex care environments: Scoping review, C., Romare et al., JMIR mHealth and uHealth , 2020, DOI: 10.2196/16055
	Smart Mirror using Raspberry Pi: A Survey, Sahana, S. et al., Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 2021, DOI: 10.1109/ICCMC51019.2021.9418408
	Smart objects in education: An early survey to assess opportunities and challenges, F., Dominguez et al., 2017 4th International Conference on eDemocracy and eGovernment, ICEDEG 2017 , 2017, DOI: 10.1109/ICEDEG.2017.7962537
	Smart portable devices suitable for cultural heritage: A review, F., Valentini et al., Sensors (Switzerland) , 2018, DOI: 10.3390/s18082434
	Smart things as service providers: A call for convergence of disciplines to build a research agenda for the service systems of the future, A., Medina-Borja et al., Service Science , 2015, DOI: 10.1287/serv.2014.0090
	Smart toys in early childhood and primary education: A systematic review of technological and educational affordances, Komis, Vassilis et al., Applied Sciences (Switzerland), 2021, DOI: 10.3390/app11188653
	Smart wearable technologies: state of the art and evolution over time through patent analysis and clustering, M., Dehghani et al., International Journal of Product Development , 2018, DOI: 10.1504/ijpd.2018.10012259

	State of the art of accessible development for smart devices: From a disable and not impaired point of view, J., De Sousa E Silva et al., Iberian Conference on Information Systems and Technologies, CISTI , 2014, DOI: 10.1109/CISTI.2014.6876937
	State-of-the-art and recent developments in micro/nanoscale pressure sensors for smart wearable devices and health monitoring systems, Y., Chang et al., Nami Jishu yu Jingmi Gongcheng/Nanotechnology and Precision Engineering , 2020, DOI: 10.1016/j.npe.20
	Strict and deep comparison of revealed transit trip structure between computer-assisted telephone interview household travel survey and smart cards, R., Chapleau et al., Transportation Research Record , 2018, DOI: 10.1177/0361198118758297
	Survey of implication authentication of smart mobile devices in mobile Internet environment, H., Huang et al., Nanjing Youdian Daxue Xuebao (Ziran Kexue Ban)/Journal of Nanjing University of Posts and Telecommunications (Natural Science) , 2016, DOI: 10.
	Survey of security for Android smart terminal, Y.P., Xu et al., Tongxin Xuebao/Journal on Communications , 2016, DOI: 10.11959/j.issn.1000-436x.2016127
	Survey paper on smart veggie billing system, T.V., Niteesh et al., Lecture Notes on Data Engineering and Communications Technologies , 2021, DOI: 10.1007/978-981-15-5258-8_51
	Survey the interactive broadcast management system in smart Devices, H.R., Kim et al., International Journal of Smart Home , 2014, DOI: 10.14257/ijsh.2014.8.1.15
	Survey: Biometrics and smart cards, J., Adams et al., Biometric Technology Today , 2000, DOI: 10.1016/S0969-4765(00)04011-X
	The application of wearable smart sensors for monitoring the vital signs of patients in epidemics: a systematic literature review, N., Mohammadzadeh et al., Journal of Ambient Intelligence and Humanized Computing , 2020, DOI: 10.1007/s12652-020-02656-x
	The detrimental impacts of smart technology device overuse among school students in Kuwait: a cross-sectional survey, A.J., Buabbas et al., BMC Pediatrics , 2020, DOI: 10.1186/s12887-020-02417-x
	The heat is off! The role of technology attributes and individual attitudes in the diffusion of Smart thermostats – findings from a multi-country survey, G., Tu et al., Technological Forecasting and Social Change , 2021, DOI: 10.1016/j.techfore.2020.1205
	The use of smart devices by care providers in emergency departments: Cross-sectional survey design, M., Alameddine et al., JMIR mHealth and uHealth , 2019, DOI: 10.2196/13614
	Think smart, think social! the road map from smarter objects to social objects in social internet of things - A survey, A., Kowshalya et al., Journal of Applied Engineering Science , 2017, DOI: 10.5937/jaes15-12161
	Trust in smart personal assistants: A systematic literature review and development of a research agenda, N., Zierau et al., Proceedings of the 15th International Conference on Business Information Systems 2020 "Developments, Opportunities and Challenges
	Trust models of internet of smart things: A survey, open issues, and future directions, A., Altaf et al., Journal of Network and Computer Applications , 2019, DOI: 10.1016/j.jnca.2019.02.024
	Usability barriers in smart TV user interfaces: A review and recommendations, I., Alam et al., Proceedings - 2019 International Conference on Frontiers of Information Technology, FIT 2019 , 2019, DOI: 10.1109/FIT47737.2019.00069
	Use of Smart Devices: A Survey, Some Research Issues, and Challenges, X., Cao et al., Proceedings - 2020 International Conference on Culture-Oriented Science and Technology, ICCST 2020 , 2020, DOI: 10.1109/ICCST50977.2020.00079
	Use of subway smart card transactions for the discovery and partial correction of travel survey bias, T., Spurr et al., Transportation Research Record , 2014, DOI: 10.3141/2405-08

	Web browsers on smart mobile devices: A gap analysis on the state of the art, C., Dharmasiri et al., International Conference on Advances in ICT for Emerging Regions, ICTer 2013 - Conference Proceedings , 2013, DOI: 10.1109/ICTer.2013.6761158
	What is the state of smart glass research from an OSH viewpoint? A literature review, D., Friemert et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2020, DOI: 1
	What will it take to adopt smart glasses: A consumer choice based review?, N., Basoglu et al., Technology in Society , 2017, DOI: 10.1016/j.techsoc.2017.04.005
	When Smart Devices Interact With Pervasive Screens: A Survey, P., Ng et al., ACM Transactions on Multimedia Computing, Communications and Applications , 2017, DOI: 10.1145/3115933
smart drug, smart drug delivery	Biomimetic electrochemistry from conducting polymers. A review: Artificial muscles, smart membranes, smart drug delivery and computer/neuron interfaces, T., Otero et al., Electrochimica Acta , 2012, DOI: 10.1016/j.electacta.2012.03.097
	Developments of smart drug-delivery systems based on magnetic molecularly imprinted polymers for targeted cancer therapy: A short review, N., Sanadgol et al., Pharmaceutics , 2020, DOI: 10.3390/pharmaceutics12090831
	Developments on carboxymethyl starch-based smart systems as promising drug carriers: A review, Pooresmaeil, Malihe et al., Carbohydrate Polymers, 2021, DOI: 10.1016/j.carbpol.2021.117654
	Ginkgo biloba is not a smart drug: An updated systematic review of randomised clinical trials testing the nootropic effects of G. biloba extracts in healthy people, P., Canter et al., Human Psychopharmacology , 2007, DOI: 10.1002/hup.843
	Intrinsic stimuli-responsive nanocarriers for smart drug delivery of antibacterial agents—An in-depth review of the last two decades, N., Devnarain et al., Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology , 2021, DOI: 10.1002/wnan.1664
	Neuroscience: Help to survey the use of smart drugs, I., Bard et al., Nature , 2012, DOI: 10.1038/486473b
	Optimization of nanoparticles for smart drug delivery: A review, Jia, Lina et al., Nanomaterials, 2021, DOI: 10.3390/nano11112790
	Polymeric soft nanocarriers as smart drug delivery systems: State-of-the-art and future perspectives, M., Calderon et al., Biotechnology Advances , 2015, DOI: 10.1016/j.biotechadv.2015.06.004
	Review of hybrid PLGA nanoparticles: Future of smart drug delivery and theranostics medicine, J., Ghitman et al., Materials and Design , 2020, DOI: 10.1016/j.matdes.2020.108805
	ROS responsive mesoporous silica nanoparticles for smart drug delivery: A review, Daund, Varsha et al., Journal of Drug Delivery Science and Technology, 2021, DOI: 10.1016/j.jddst.2021.102599
	Smart chemistry-based nanosized drug delivery systems for systemic applications: A comprehensive review, T., Ramasamy et al., Journal of Controlled Release , 2017, DOI: 10.1016/j.jconrel.2017.04.043
	Smart nanocarrier-based drug delivery systems for cancer therapy and toxicity studies: A review, S., Hossen et al., Journal of Advanced Research , 2019, DOI: 10.1016/j.jare.2018.06.005
	Smart stimuli-responsive drug delivery systems based on cyclodextrin: A review, B., Tian et al., Carbohydrate Polymers , 2021, DOI: 10.1016/j.carbpol.2020.116871
	Tio2 nanotube platforms for smart drug delivery: A review, Q., Wang et al., International Journal of Nanomedicine , 2016, DOI: 10.2147/IJN.S108847
smart environment, smart water management	A Longitudinal Survey for Genome-based Identification of SARS-CoV-2 in Sewage Water in Selected Lockdown Areas of Lahore City, Pakistan: A Potential Approach for Future Smart Lockdown Strategy, Yaqub, Tahir et al., Biomedical and Environmental Sciences, 2

	A Review of Security Standards and Frameworks for IoT-Based Smart Environments, N.M., Karie et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3109886
	A review of smart environments for energy savings, E., Torunski et al., Procedia Computer Science , 2012, DOI: 10.1016/j.procs.2012.06.029
	A Review of Smart Irrigation Decision Support Systems, Sun, Ziheng et al., 2021 9th International Conference on Agro-Geoinformatics, Agro-Geoinformatics 2021, 2021, DOI: 10.1109/Agro-Geoinformatics50104.2021.9530351
	A Survey of Application of ML and Data Mining Techniques for Smart Irrigation System, H., Nandanwar et al., Proceedings of the 2nd International Conference on Inventive Research in Computing Applications, ICIRCA 2020 , 2020, DOI: 10.1109/ICIRCA48905.2020
	A Survey of Big Data Analytics for Smart Forestry, W., Zou et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2907999
	A survey of cyber-physical attacks and detection methods in smart water distribution systems, H.H., Addeen et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3095713
	A survey of smart environment conservation and protection for waste management, E., Ramya et al., Proceedings of the 3rd IEEE International Conference on Advances in Electrical and Electronics, Information, Communication and Bio-Informatics, AEEICB 2017
	A survey of smart water quality monitoring system, J., Dong et al., Environmental Science and Pollution Research , 2015, DOI: 10.1007/s11356-014-4026-x
	A Survey on Deep Learning-Based Approaches to Estimation of 3D Human Pose and Shape from Images for the Smart Environments, S.M., Arasi et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-3-030-66840-2_68
	A systematic review of IoT communication strategies for an efficient smart environment, A., Souri et al., Transactions on Emerging Telecommunications Technologies , 2019, DOI: 10.1002/ett.3736
	AR enabled IoT for a smart and interactive environment: A survey and future directions, D., Jo et al., Sensors (Switzerland) , 2019, DOI: 10.3390/s19194330
	Architectures, frameworks, and applications in IoT-based smart environment: A review, Gitakarma, M. S. et al., Journal of Physics: Conference Series, 2021, DOI: 10.1088/1742-6596/1810/1/012007
	Big data and IoT-based applications in smart environments: A systematic review, Y., Hajjaji et al., Computer Science Review , 2021, DOI: 10.1016/j.cosrev.2020.100318
	Building Information Modeling and Internet of Things integration for smart and sustainable environments: A review, Malagnino, Ada et al., Journal of Cleaner Production, 2021, DOI: 10.1016/j.jclepro.2021.127716
	Carbon recycling – An immense resource and key to a smart climate engineering: A survey of technologies, cost and impurity impact, H., Wang et al., Renewable and Sustainable Energy Reviews , 2020, DOI: 10.1016/j.rser.2020.110010
	Characterizing smart environments as interactive and collective platforms: A review of the key behaviors of responsive architecture, Lee, Ju Hyun et al., Sensors, 2021, DOI: 10.3390/s21103417
	Climate-smart soil water and nutrient management options in semiarid West Africa: A review of evidence and analysis of stone bunds and zai techniques, R., Zougmore et al., Agriculture and Food Security , 2014, DOI: 10.1186/2048-7010-3-16
	Climate-smart water technologies for sustainable agriculture: A review, G.T., Patle et al., Journal of Water and Climate Change , 2020, DOI: 10.2166/wcc.2019.257
	Current state of the art of smart environments and labs from an ambient assisted living point of view, A.S., Crandall et al., Active and Assisted Living , 2016, DOI: 10.1049/PBHE006E_ch2
	Cyber-Physical Systems for Smart Water Networks: A Review, J., Bhardwaj et al., IEEE Sensors Journal , 2021, DOI: 10.1109/JSEN.2021.3121506

	Data Fusion and IoT for Smart Ubiquitous Environments: A Survey, F., Alam et al., IEEE Access , 2017, DOI: 10.1109/ACCESS.2017.2697839
	Development of smart flood monitoring and early warning system using weather forecasting data and wireless sensor networks-A review, M.J., Subashini et al., Proceedings of the 3rd International Conference on Intelligent Communication Technologies and Vir
	Do Smart-Growth Environments Benefit Single Mothers? Evidence from Thirty MSAs Using the American Housing Survey Data, Y., Yang et al., Journal of Planning Education and Research , 2013, DOI: 10.1177/0739456X13499935
	Futuristic sustainable energy management in smart environments: A review of peak load shaving and demand response strategies, challenges, and opportunities, B.N., Silva et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/su12145561
	Health-Related ICT Solutions of Smart Environments for Elderly-Systematic Review, P., Maresova et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.2981315
	Heuristic and Statistical Prediction Algorithms Survey for Smart Environments, S., Malik et al., Journal of Information Processing Systems , 2020, DOI: 10.3745/JIPS.04.0191
	How smart are our environments? An updated look at the state of the art, D.J., Cook et al., Pervasive and Mobile Computing , 2007, DOI: 10.1016/j.pmcj.2006.12.001
	Hybrid Aspect of Context-Aware Middleware for Pervasive Smart Environment: A Review, J., Madhusudanan et al., Mobile Information Systems , 2018, DOI: 10.1155/2018/6546501
	Indoor air quality prediction systems for smart environments: A systematic review, J., Saini et al., Journal of Ambient Intelligence and Smart Environments , 2020, DOI: 10.3233/AIS-200574
	Intelligent Data Fusion for Smart IoT Environment: A Survey, I., Ullah et al., Wireless Personal Communications , 2020, DOI: 10.1007/s11277-020-07369-0
	Internet-of-things-based smart environments: State of the art, taxonomy, and open research challenges, E., Ahmed et al., IEEE Wireless Communications , 2016, DOI: 10.1109/MWC.2016.7721736
	Intrusion detection systems for IoT-based smart environments: a survey, M.F., Elrawy et al., Journal of Cloud Computing , 2018, DOI: 10.1186/s13677-018-0123-6
	Investigates review of leadership challenges in a smart environment, K., Al Harthy et al., 2019 4th MEC International Conference on Big Data and Smart City, ICBDS 2019 , 2019, DOI: 10.1109/ICBDSC.2019.8645566
	IoT based smart water management systems: A systematic review, M., Singh et al., Materials Today: Proceedings , 2020, DOI: 10.1016/j.matpr.2020.08.588
	IoT-Based Smart Irrigation and Related Environment Parameters Monitoring: An Empirical Review, P., Majumdar et al., Lecture Notes in Electrical Engineering , 2021, DOI: 10.1007/978-981-33-6393-9_34
	Is push-pull climate- and gender-smart for Ethiopia? A review, R.W., Kopper et al., Agroecology and Sustainable Food Systems , 2021, DOI: 10.1080/21683565.2021.1958972
	Mechanisms of smart waterflooding in carbonate oil reservoirs - A review, J., Hao et al., Journal of Petroleum Science and Engineering , 2019, DOI: 10.1016/j.petrol.2019.04.049
	Microfluidics and materials for smart water monitoring: A review, J., Saez et al., Analytica Chimica Acta , 2021, DOI: 10.1016/j.aca.2021.338392
	Mobile Ad Hoc Networks and routing protocols in IoT enabled smart environment: A review, M., Devi et al., Journal of Engineering and Applied Sciences , 2019, DOI: 10.3923/jeasci.2019.802.811
	Model predictive control of urban drainage systems: A review and perspective towards smart real-time water management, N., Lund et al., Critical Reviews in Environmental Science and Technology , 2018, DOI: 10.1080/10643389.2018.1455484

	Older adults' participation in the development of smart environments: An integrated review of the literature, C.S., Jacelon et al., Geriatric Nursing , 2013, DOI: 10.1016/j.gerinurse.2012.11.001
	Perspective: a review of lifecycle management research on complex products in smart-connected environments, Q., Zhang et al., International Journal of Production Research , 2019, DOI: 10.1080/00207543.2019.1587186
	Platforms for Smart Environments and Future Internet Design: A Survey, A.M., Alberti et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2950656
	Rethinking the framework of smart water system: A review, J., Li et al., Water (Switzerland) , 2020, DOI: 10.3390/w12020412
	Review of a smart condition monitoring and control system destined for harsh environments, G., Horler et al., Quality and Reliability Engineering International , 2000, DOI: 10.1002/1099-1638(200005/06)16:3<195::AID-QRE317>3
	Review of biomimetic underwater robots using smart actuators, W.S., Chu et al., International Journal of Precision Engineering and Manufacturing , 2012, DOI: 10.1007/s12541-012-0171-7
	Review on implementing smart water grid for smart cities in India, S.K., Behera et al., International Journal of Psychosocial Rehabilitation , 2019, DOI: 10.37200/IJPR/V23I6/PR190804
	Review on Implementing Smart Water Grid for Smart Cities in India: Challenges and Solutions, M., Fatima et al., 2019 5th International Conference on Advanced Computing and Communication Systems, ICACCS 2019 , 2019, DOI: 10.1109/ICACCS.2019.8728485
	Roles and drivers of agribusiness shaping Climate-Smart Landscapes: A review, G., Salvini et al., Sustainable Development , 2018, DOI: 10.1002/sd.1897
	SIMONI (Smart Integrated Monitoring) as a novel bioanalytical strategy for water quality assessment: Part II–field feasibility survey, van der Oost R. et al., Environmental Toxicology and Chemistry , 2017, DOI: 10.1002/etc.3837
	Smart disaster mitigation in italy. A brief overview on the state of the art, F., Felli et al., ASME 2014 Conference on Smart Materials, Adaptive Structures and Intelligent Systems, SMASIS 2014 , 2014, DOI: 10.1115/SMASIS20147631
	Smart environment using internet of things(IOTS) - A review, N., Raun et al., 7th IEEE Annual Information Technology, Electronics and Mobile Communication Conference, IEEE IEMCON 2016 , 2016, DOI: 10.1109/IEMCON.2016.7746313
	Smart Environments Using Gesture-Based Interactions for Health: A Systematic Review, E., Fontana et al., Proceedings - 2015 17th Symposium on Virtual and Augmented Reality, SVR 2015 , 2015, DOI: 10.1109/SVR.2015.32
	Smart Irrigation and Crop Disease Detection Using Machine Learning – A Survey, A.J., Rao et al., Lecture Notes on Data Engineering and Communications Technologies , 2020, DOI: 10.1007/978-3-030-43192-1_65
	Smart Irrigation System: A Review, S., Bitla et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-15-2854-5_51
	Smart technologies for assisting the life quality of persons in a mobile environment: a review, T., Chen et al., Journal of Ambient Intelligence and Humanized Computing , 2018, DOI: 10.1007/s12652-016-0396-x
	Smart water distribution system based on IoT networks, a critical review, N., Quadar et al., Smart Innovation, Systems and Technologies , 2021, DOI: 10.1007/978-981-15-5784-2_24
	Smart water quality analysis using IoT and big data analytics: A review, Hemdan, Ezz El Din et al., ICEEM 2021 - 2nd IEEE International Conference on Electronic Engineering, 2021, DOI: 10.1109/ICEEM52022.2021.9480628
	Smart water technology for efficient water resource management: A review, A.D., Gupta et al., Energies , 2020, DOI: 10.3390/en13236268

	Solar Based Smart Irrigation system Using IoT:A Review, P.S., Kulkarni et al., Proceedings of the 2020 International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing, ICSIDEMPC 2020 , 2020, DOI: 10.1109/ICSIDEMPC
	Water-smart sprinkler irrigation, prerequisite to climate change adaptation: A review, Z., Issaka et al., Journal of Water and Climate Change , 2018, DOI: 10.2166/wcc.2018.017
	Wearable technologies for smart environments: A review with emphasis on BCI, G., Udovicic et al., 2016 24th International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2016 , 2016, DOI: 10.1109/SOFTCOM.2016.7772186
	WinCon-8000 smart PAC used in survey the tide height of coast, L., Lei et al., 2009 1st International Conference on Information Science and Engineering, ICISE 2009 , 2009, DOI: 10.1109/ICISE.2009.1353
smart factory, smart manufacturing and other business-related smart topics	“Industrie 4.0” and smart manufacturing-a review of research issues and application examples, K.D., Thoben et al., International Journal of Automation Technology , 2017, DOI: 10.20965/ijat.2017.p0004
	A Brief Review of the IoT-Based Energy Management System in the Smart Industry, A.H., Bagdadee et al., Advances in Intelligent Systems and Computing , 2020, DOI: 10.1007/978-981-15-0199-9_38
	A comprehensive review of big data analytics throughout product lifecycle to support sustainable smart manufacturing: A framework, challenges and future research directions, S., Ren et al., Journal of Cleaner Production , 2019, DOI: 10.1016/j.jclepro.2019
	A Comprehensive Review on Smart Decision Support Systems for Health Care, M., Moreira et al., IEEE Systems Journal , 2019, DOI: 10.1109/JSYST.2018.2890121
	A critical review of smart manufacturing & Industry 4.0 maturity models: Implications for small and medium-sized enterprises (SMEs), S., Mittal et al., Journal of Manufacturing Systems , 2018, DOI: 10.1016/j.jmsy.2018.10.005
	A critical review of smart manufacturing and industry 4.0 maturity manufacturing & industry 4.0 maturity upstream industry, Onyeme, Chinedu et al., Advances in Transdisciplinary Engineering, 2021, DOI: 10.3233/ATDE210060
	A performance measurement system for industry 4.0 enabled smart manufacturing system in SMMEs- A review and empirical investigation, S.S., Kamble et al., International Journal of Production Economics , 2020, DOI: 10.1016/j.ijpe.2020.107853
	A quantitative survey of consumer perceptions of smart food packaging in China, T., Li et al., Food Science and Nutrition , 2020, DOI: 10.1002/fsn3.1563
	A review of artificial intelligence algorithms used for smart machine tools, C.W., Chang et al., Inventions , 2018, DOI: 10.3390/inventions3030041
	A Review of Developments in the Fields of the Design of Smart Cutting Tools, Wear Monitoring, and Sensor Innovation, C., Hopkins et al., IFAC-PapersOnLine , 2019, DOI: 10.1016/j.ifacol.2019.10.056
	A Review of Enabling Technologies and Solutions for IoT Based Smart Warehouse Monitoring System, A., Colakovic et al., Lecture Notes in Networks and Systems , 2020, DOI: 10.1007/978-3-030-46817-0_73
	A review of further directions for artificial intelligence, machine learning, and deep learning in smart logistics, M., Woschank et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/su12093760
	A Review of IoT Based Smart Industrial System for Controlling and Monitoring, P., Karemore et al., Proceedings of the 4th International Conference on Computing Methodologies and Communication, ICCMC 2020 , 2020, DOI: 10.1109/ICCMC48092.2020.ICCMC-00012

	A review of patents for the smart packaging of meat and muscle-based food products, B.W.B., Holman et al., Recent Patents on Food, Nutrition and Agriculture , 2018, DOI: 10.2174/2212798409666171031114624
	A review of phishing attacks and countermeasures for internet of things-based smart business applications in industry 4.0, A., Sadiq et al., Human Behavior and Emerging Technologies , 2021, DOI: 10.1002/hbe2.301
	A review of problem structuring methods for consideration in prognostics and smart manufacturing, P.T., Hester et al., International Journal of Prognostics and Health Management , 2016, DOI: 10.36001/ijphm.2016.v7i3.2413
	A review of recent advances in automated guided vehicle technologies: Integration challenges and research areas for 5G-based smart manufacturing applications, E.A., Oyekanlu et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3035729
	A Review of SDN-Based Next Generation Smart Networks, P., Prabakaran et al., 2019 Proceedings of the 3rd International Conference on Computing and Communications Technologies, ICCCT 2019 , 2019, DOI: 10.1109/ICCCT2.2019.8824871
	A review of smart manufacturing reference models based on the skeleton meta-model, S., Han et al., Journal of Computational Design and Engineering , 2020, DOI: 10.1093/jcde/qwaa027
	A Review of the Literature on Smart Factory Implementation, J., Rub et al., Proceedings - 2019 IEEE International Conference on Engineering, Technology and Innovation, ICE/ITMC 2019 , 2019, DOI: 10.1109/ICE.2019.8792577
	A review of the principles of designing smart cyber-physical systems for run-time adaptation: Learned lessons and open issues, J., Tavcar et al., IEEE Transactions on Systems, Man, and Cybernetics: Systems , 2019, DOI: 10.1109/TSMC.2018.2814539
	A review on honeypot-based botnet detection models for smart factory, L., Seungjin et al., International Journal of Advanced Computer Science and Applications , 2020, DOI: 10.14569/IJACSA.2020.0110654
	A Review on Human-Centered IoT-Connected Smart Labels for the Industry 4.0, T.M., Fernandez-Carames et al., IEEE Access , 2018, DOI: 10.1109/ACCESS.2018.2833501
	A Review on the Application of Blockchain to the Next Generation of Cybersecure Industry 4.0 Smart Factories, T.M., Fernandez-Carames et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2908780
	A review on the characteristics of cyber-physical systems for the future smart factories, A., Napoleone et al., Journal of Manufacturing Systems , 2020, DOI: 10.1016/j.jmsy.2020.01.007
	A review on transportation and smart logistics using graph theoretical approach, M., Kanchana et al., Advances in Mathematics: Scientific Journal , 2020, DOI: 10.37418/amsj.9.8.100
	A smart document review system for business expansion project in electric power marketing, J., Fu et al., Proceedings - 2016 International Conference on Network and Information Systems for Computers, ICNISC 2016 , 2017, DOI: 10.1109/ICNISC.2016.11
	A Smart Machine for Fitness Care Scrutinizing Technique—A Review, N., Pooranam et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-15-2256-7_75
	A survey of modelling and smart management tools for power grids with prolific distributed generation, N., Dkhili et al., Sustainable Energy, Grids and Networks , 2020, DOI: 10.1016/j.segan.2019.100284
	A survey of requirements management in smart product-service systems, Z., Wang et al., Advances in Transdisciplinary Engineering , 2019, DOI: 10.3233/ATDE190170
	A survey of smart data pricing: Past proposals, current plans, and future trends, S., Sen et al., ACM Computing Surveys , 2013, DOI: 10.1145/2543581.2543582
	A survey of smart hydroponic systems, F., Modu et al., Advances in Science, Technology and Engineering Systems , 2020, DOI: 10.25046/aj050130

	A survey of smart product-service systems: Key aspects, challenges and future perspectives, P., Zheng et al., <i>Advanced Engineering Informatics</i> , 2019, DOI: 10.1016/j.aei.2019.100973
	A survey of the advancing use and development of machine learning in smart manufacturing, M., Sharp et al., <i>Journal of Manufacturing Systems</i> , 2018, DOI: 10.1016/j.jmsy.2018.02.004
	A survey of visualization for smart manufacturing, F., Zhou et al., <i>Journal of Visualization</i> , 2019, DOI: 10.1007/s12650-018-0530-2
	A survey on AI-driven digital twins in industry 4.0: Smart manufacturing and advanced robotics, Huang, Ziqi et al., <i>Sensors</i> , 2021, DOI: 10.3390/s21196340
	A survey on optical technologies for IoT, smart industry, and smart infrastructures, S., Aleksic et al., <i>Journal of Sensor and Actuator Networks</i> , 2019, DOI: 10.3390/jsan8030047
	A survey on smart automated computer-aided process planning (ACAPP) techniques, M., Al-wswasi et al., <i>International Journal of Advanced Manufacturing Technology</i> , 2018, DOI: 10.1007/s00170-018-1966-1
	A survey on smart collaborative identifier networks, H., Li et al., <i>China Communications</i> , 2018, DOI: 10.1109/CC.2018.8332000
	A survey on smart meeting rooms and open issues, C.F., Freitas et al., <i>International Journal of Smart Home</i> , 2015, DOI: 10.14257/ijsh.2015.9.9.02
	A Survey on the Noncooperative Environment in Smart Nodes-Based Ad Hoc Networks: Motivations and Solutions, M.A., Khan et al., <i>Security and Communication Networks</i> , 2021, DOI: 10.1155/2021/9921826
	A Systematic Review of Collaborative Networks: Implications for Sensing, Smart and Sustainable Enterprises, F., Guerrini et al., <i>IFIP Advances in Information and Communication Technology</i> , 2019, DOI: 10.1007/978-3-030-28464-0_7
	A systematic review of consumer perceptions of smart packaging technologies for food, E., Young et al., <i>Frontiers in Sustainable Food Systems</i> , 2020, DOI: 10.3389/fsufs.2020.00063
	A technologically-driven asset management approach to managing physical assets - a literature review and research agenda for 'smart' asset management, C., Nel et al., <i>South African Journal of Industrial Engineering</i> , 2016, DOI: 10.7166/27-4-1478
	An Extensive Survey on IoT Smart Gateways, Software Architecture, Related Protocols and Challenges, J., Krishnan et al., <i>Proceedings - International Conference on Vision Towards Emerging Trends in Communication and Networking, ViTECoN 2019</i> , 2019, DOI: 1
	An implementation for Smart Manufacturing Information System (SMIS) from an industrial practice survey, X., Zhang et al., <i>Computers and Industrial Engineering</i> , 2021, DOI: 10.1016/j.cie.2020.106938
	An integrated smart, green, resilient, and lean manufacturing framework: A literature review and future research directions, Touriki, Fatima Ezahra et al., <i>Journal of Cleaner Production</i> , 2021, DOI: 10.1016/j.jclepro.2021.128691
	Application of Modified Atmosphere Packaging and Active/Smart Technologies to Red Meat and Poultry: A Review, I., Arvanitoyannis et al., <i>Food and Bioprocess Technology</i> , 2012, DOI: 10.1007/s11947-012-0803-z
	Applications of the Internet of Things (IoT) in Smart Logistics: A Comprehensive Survey, Song, Yanxing et al., <i>IEEE Internet of Things Journal</i> , 2021, DOI: 10.1109/JIOT.2020.3034385
	Autonomous guided vehicles for smart industries – the state-of-the-art and research challenges, R., Cupek et al., <i>Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)</i> , 2020,
	BIM, GIS, IoT, and AR/VR Integration for Smart Maintenance and Management of Road Networks: A Review, J., Carneiro et al., <i>2018 IEEE International Smart Cities Conference, ISC2 2018</i> , 2019, DOI: 10.1109/ISC2.2018.8656978

	Blockchain-Secured Smart Manufacturing in Industry 4.0: A Survey, J., Leng et al., IEEE Transactions on Systems, Man, and Cybernetics: Systems , 2021, DOI: 10.1109/TSMC.2020.3040789
	Charting the State-of-The-Art in the Application of Convolutional Neural Networks to Quality Control in Industry 4.0 and Smart Manufacturing, C., Monsone et al., 10th IEEE International Conference on Cognitive Infocommunications, CogInfoCom 2019 - Procees
	Classification and detection of insects from field images using deep learning for smart pest management: A systematic review, Li, Wenyong et al., Ecological Informatics, 2021, DOI: 10.1016/j.ecoinf.2021.101460
	Communication Protocol Review for SMART Manufacturing Units within a Cloud Manufacturing Environment, G.A., Gericke et al., 2019 International Conference on Fourth Industrial Revolution, ICFIR 2019 , 2019, DOI: 10.1109/ICFIR.2019.8894788
	Compositional engineering frameworks for development of smart cyber-physical systems: A critical survey of the current state of progression, I., Horvath et al., Proceedings of the ASME Design Engineering Technical Conference , 2018, DOI: 10.1115/DETC2018
	Conceptual Model of Consumers Purchase Intention towards Smart Retail: A Literature Review, M.E., Isharyani et al., PervasiveHealth: Pervasive Computing Technologies for Healthcare , 2020, DOI: 10.1145/3429789.3429812
	CPS-based smart warehouse for industry 4.0: A survey of the underlying technologies, X., Liu et al., Computers , 2018, DOI: 10.3390/computers7010013
	Cyber-physical integration for moving digital factories forward towards smart manufacturing: a survey, Y., Cheng et al., International Journal of Advanced Manufacturing Technology , 2018, DOI: 10.1007/s00170-018-2001-2
	Data-driven intelligent 3D surface measurement in smart manufacturing: Review and outlook, Y., Yang et al., Machines , 2021, DOI: 10.3390/machines9010013
	Deep Learning Approaches to Detect Real Time Events Recognition in Smart Manufacturing Systems – A Short Survey, Awan, Suleman et al., Lecture Notes in Networks and Systems, 2022, DOI: 10.1007/978-3-030-84910-8_20
	Design of Artificial Intelligence for Smart Risk Pre-review System at the KC EMC, Y., Oh et al., Studies in Computational Intelligence , 2021, DOI: 10.1007/978-3-030-64769-8_12
	Development of Data Acquisition Instrumentation and Inversion System for Earth Resistivity Survey in a Smart Integrated System, I., Imaduddi et al., Journal of Physics: Conference Series , 2019, DOI: 10.1088/1742-6596/1204/1/012122
	Digital twin for smart manufacturing: a review of concepts towards a practical industrial implementation, L., Lattanzi et al., International Journal of Computer Integrated Manufacturing , 2021, DOI: 10.1080/0951192X.2021.1911003
	Digital twin-enabled smart industrial systems: a bibliometric review, M.P., Ciano et al., International Journal of Computer Integrated Manufacturing , 2021, DOI: 10.1080/0951192X.2020.1852600
	Digital twins-based smart design and control of ultra-precision machining: A review, Wu, Lei et al., Symmetry, 2021, DOI: 10.3390/sym13091717
	Digital twins-based smart manufacturing system design in Industry 4.0: A review, Leng, Jiewu et al., Journal of Manufacturing Systems, 2021, DOI: 10.1016/j.jmsy.2021.05.011
	Edge Computing architecture to support Real Time Analytic applications : A State-of-the-art within the application area of Smart Factory and Industry 4.0, S., Trinks et al., Proceedings - 2018 IEEE International Conference on Big Data, Big Data 2018 , 20
	Enabling technology for maintenance in a smart factory: A literature review, A., Forcina et al., Procedia Computer Science , 2021, DOI: 10.1016/j.procs.2021.01.259
	Enhancing sustainability and energy efficiency in smart factories: A review, Y., Meng et al., Sustainability (Switzerland) , 2018, DOI: 10.3390/su10124779
	Essay reviews: In the age of the smart machine: The future of work and power., F., Frank et al., Educational Administration Quarterly , 1990, DOI: 10.1177/0013161X90026003009

	Evolution of cognitive rehabilitation after stroke from traditional techniques to smart and personalized home-based information and communication technology systems: Literature review, J.M., Cogollor et al., JMIR Rehabilitation and Assistive Technologies
	Feasibility Evaluation and Optimization of a Smart Manufacturing System Based on 3D Printing: A Review, T., Chen et al., International Journal of Intelligent Systems , 2017, DOI: 10.1002/int.21866
	From a literature review to a conceptual framework of enablers for smart manufacturing control, R.A., Rojas et al., International Journal of Advanced Manufacturing Technology , 2019, DOI: 10.1007/s00170-019-03854-4
	From design for manufacturing (DFM) to manufacturing for design (MFD) via hybrid manufacturing and smart factory: A review and perspective of paradigm shift, W.S., Chu et al., International Journal of Precision Engineering and Manufacturing - Green Techn
	Getting Smart With Microcomputing: A Review of the Smart Series Integrated Software, S., Littlefield et al., Community College Review , 1986, DOI: 10.1177/009155218601400211
	Human-machine interface in smart factory: A systematic literature review, Kumar, Naveen et al., Technological Forecasting and Social Change, 2022, DOI: 10.1016/j.techfore.2021.121284
	Identifying Small and Medium Enterprise Smart Entrepreneurship Training Framework Components using Thematic Analysis and Expert Review, A.N.A., Rozmi et al., International Journal of Advanced Computer Science and Applications , 2021, DOI: 10.14569/IJACSA
	Improving Performance of Ceiling Fan through EAC and Energy Saving by Smart Automation: A review, S., D'Souza et al., 2018 4th International Conference for Convergence in Technology, I2CT 2018 , 2018, DOI: 10.1109/I2CT42659.2018.9057802
	Innovation Trends for Smart Factories: A Literature Review, M., Sousa et al., Advances in Intelligent Systems and Computing , 2019, DOI: 10.1007/978-3-030-16181-1_65
	Innovations in smart packaging concepts for food: An extensive review, E., Drago et al., Foods , 2020, DOI: 10.3390/foods9111628
	Intelligent Food Packaging: A Review of Smart Sensing Technologies for Monitoring Food Quality, H., Yousefi et al., ACS Sensors , 2019, DOI: 10.1021/acssensors.9b00440
	Intelligent process planning for smart manufacturing systems: A state-of-the-art review, H., Besharati-Foumani et al., Procedia Manufacturing , 2019, DOI: 10.1016/j.promfg.2020.01.021
	Is anyone home? A critical review of occupant-centric smart HVAC controls implementations in residential buildings, H., Stopps et al., Building and Environment , 2021, DOI: 10.1016/j.buildenv.2020.107369
	Lean and Industry 4.0 Strive to Create Smart Factory Through Integration of Systems: An Exploratory Review, H., Majiwala et al., Advances in Intelligent Systems and Computing , 2020, DOI: 10.1007/978-3-030-39875-0_20
	Literature review on the 'smart factory' concept using bibliometric tools, F., Strozzi et al., International Journal of Production Research , 2017, DOI: 10.1080/00207543.2017.1326643
	Localizing operators in the smart factory: A review of existing techniques and systems, A., Syberfeldt et al., International Symposium on Flexible Automation, ISFA 2016 , 2016, DOI: 10.1109/ISFA.2016.7790157
	Machine health management in smart factory: A review, G.Y., Lee et al., Journal of Mechanical Science and Technology , 2018, DOI: 10.1007/s12206-018-0201-1
	Making smart manufacturing smarter—a survey on blockchain technology in Industry 4.0, Y., Zuo et al., Enterprise Information Systems , 2020, DOI: 10.1080/17517575.2020.1856425
	Material identification for smart manufacturing systems: A review, Lutz, Benjamin et al., Proceedings - 2021 4th IEEE International Conference on Industrial Cyber-Physical Systems, ICPS 2021, 2021, DOI: 10.1109/ICPS49255.2021.9468191

	Modified or enriched eggs: A smart approach in egg industry: A review, V.P., Singh et al., American Journal of Food Technology , 2012, DOI: 10.3923/ajft.2012.266.277
	Nanomaterials in Smart Packaging Applications: A Review, J., Siddiqui et al., Small , 2021, DOI: 10.1002/sml.202101171
	On blockchain integration into mobile crowdsensing via smart embedded devices: A comprehensive survey, Chen, Zhiyan et al., Journal of Systems Architecture, 2021, DOI: 10.1016/j.sysarc.2021.102011
	Predicting household occupancy for smart heating control: A comparative performance analysis of state-of-the-art approaches, W., Kleiminger et al., Energy and Buildings , 2014, DOI: 10.1016/j.enbuild.2014.09.046
	Predictive maintenance and intelligent sensors in smart factory: Review, M., Pech et al., Sensors , 2021, DOI: 10.3390/s21041470
	Proposing Model for Security of IoT Devices in Smart Logistics: A Review, A.W., Abbas et al., 2020 3rd International Conference on Computing, Mathematics and Engineering Technologies: Idea to Innovation for Building the Knowledge Economy, iCoMET 2020 , 2
	Real time analytics - State of the art: Potentials and limitations in the smart factory, S., Trinks et al., Proceedings - 2017 IEEE International Conference on Big Data, Big Data 2017 , 2017, DOI: 10.1109/BigData.2017.8258562
	Reference architectures for smart manufacturing: A critical review, M., Moghaddam et al., Journal of Manufacturing Systems , 2018, DOI: 10.1016/j.jmsy.2018.10.006
	Requirements of the smart factory system: A survey and perspective, M.M., Mabkhot et al., Machines , 2018, DOI: 10.3390/MACHINES6020023
	Research progress and application of flexible humidity sensors for smart packaging: A review, H., He et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-15-1864-5_60
	Review and comparison of techniques of analysis of valve stiction: From modeling to smart diagnosis, di Capaci R., Bacci et al., Chemical Engineering Research and Design , 2018, DOI: 10.1016/j.cherd.2017.12.038
	Review and design of environmental smart detector for autonomous vehicle in urban traffic, E., Budisusila et al., AIP Conference Proceedings , 2019, DOI: 10.1063/1.5133923
	Review of 5G capabilities for smart manufacturing, Sachs, Joachim et al., Proceedings of the International Symposium on Wireless Communication Systems , 2021, DOI: 10.1109/iswcs49558.2021.9562173
	Review of Digital Twin-based Interaction in Smart Manufacturing: Enabling Cyber-Physical Systems for Human-Machine Interaction, J., Wilhelm et al., International Journal of Computer Integrated Manufacturing , 2021, DOI: 10.1080/0951192X.2021.1963482
	Review of higher heating value of municipal solid waste based on analysis and smart modelling, Dashti, Amir et al., Renewable and Sustainable Energy Reviews, 2021, DOI: 10.1016/j.rser.2021.111591
	Review of RFID-based sensing in monitoring physical stimuli in smart packaging for food-freshness applications, T., Athauda et al., Wireless Power Transfer , 2019, DOI: 10.1017/wpt.2019.6
	Review of state of the art in smart rotor control research for wind turbines, T.K., Barlas et al., Progress in Aerospace Sciences , 2010, DOI: 10.1016/j.paerosci.2009.08.002
	Review of surface treatment methods for polyamide films for potential application as smart packaging materials: surface structure, antimicrobial and spectral properties, A., Tyuftin et al., Food Packaging and Shelf Life , 2020, DOI: 10.1016/j.fpsl.2020.1
	Review of the smart operator in the field, P., Goergens et al., IET Conference Publications , 2016, DOI: 10.1049/cp.2016.0739
	Review on smart gas sensing technology, S., Feng et al., Sensors (Switzerland) , 2019, DOI: 10.3390/s19173760

	Self-Aware Smart Products: Systematic Literature Review, Conceptual Design and Prototype Implementation, M.F., Filho et al., Procedia Manufacturing , 2017, DOI: 10.1016/j.promfg.2017.07.278
	Sentiment Analysis based Multi-Person Multi-criteria Decision Making methodology using natural language processing and deep learning for smarter decision aid. Case study of restaurant choice using TripAdvisor reviews, Zuheros, Cristina et al., Information
	Smart adaptive CNC machining – State of the art, A.M., Vasiloni et al., Applied Mechanics and Materials , 2014, DOI: 10.4028/www.scientific.net/AMM.657.859
	smart crack control in concrete through use of phase change materials (PCMs): A review, B., Savija et al., Materials , 2018, DOI: 10.3390/ma11050654
	Smart data capture to reduce reporting burden, increase data quality in national truck surveys, and increase analysis capability, I.B., Hovi et al., 2020 Forum on Integrated and Sustainable Transportation Systems, FISTS 2020 , 2020, DOI: 10.1109/FISTS468
	Smart design engineering: a literature review of the impact of the 4th industrial revolution on product design and development, M.V., Pereira Pessoa et al., Research in Engineering Design , 2020, DOI: 10.1007/s00163-020-00330-z
	Smart factories in Industry 4.0: A review of the concept and of energy management approached in production based on the Internet of Things paradigm, F., Shrouf et al., IEEE International Conference on Industrial Engineering and Engineering Management , 2
	Smart Factory Environment: Review of Security Threats and Risks, P., Zoric et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2021, DOI: 10.1007/978-3-030-78459-1_15
	Smart Industrial Metabolism: a literature review and future directions, A.M., Martin et al., Procedia Manufacturing , 2017, DOI: 10.1016/j.promfg.2017.09.037
	Smart Jamming Attacks in 5G New Radio: A Review, Y., Arjoun et al., 2020 10th Annual Computing and Communication Workshop and Conference, CCWC 2020 , 2020, DOI: 10.1109/CCWC47524.2020.9031175
	Smart Machining Process Using Machine Learning: A Review and Perspective on Machining Industry, D.H., Kim et al., International Journal of Precision Engineering and Manufacturing - Green Technology , 2018, DOI: 10.1007/s40684-018-0057-y
	Smart Maintenance: a research agenda for industrial maintenance management, J., Bokrantz et al., International Journal of Production Economics , 2020, DOI: 10.1016/j.ijpe.2019.107547
	Smart Manufacturing and Intelligent Manufacturing: A Comparative Review, Wang, Baicun et al., Engineering, 2021, DOI: 10.1016/j.eng.2020.07.017
	Smart manufacturing process and system automation – A critical review of the standards and envisioned scenarios, Y., Lu et al., Journal of Manufacturing Systems , 2020, DOI: 10.1016/j.jmsy.2020.06.010
	Smart manufacturing scheduling approaches—systematic review and future directions, D., Alemao et al., Applied Sciences (Switzerland) , 2021, DOI: 10.3390/app11052186
	Smart manufacturing scheduling: A literature review, Serrano-Ruiz, Julio C. et al., Journal of Manufacturing Systems, 2021, DOI: 10.1016/j.jmsy.2021.09.011
	Smart manufacturing systems and applied industrial technologies for a sustainable industry: A systematic literature review, R., Cioffi et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/APP10082897
	Smart manufacturing systems: state of the art and future trends, Y.J., Qu et al., International Journal of Advanced Manufacturing Technology , 2019, DOI: 10.1007/s00170-019-03754-7
	Smart meeting systems: A survey of state-of-the-art and open issues, Z., Yu et al., ACM Computing Surveys , 2010, DOI: 10.1145/1667062.1667065
	Smart packaging of food for the 21st century - A review with futuristic trends, their feasibility and economics, P., Madhusudan et al., Materials Today: Proceedings , 2018, DOI: 10.1016/j.matpr.2018.6.494

	Smart packaging systems for food applications: a review, K.B., Biji et al., Journal of Food Science and Technology , 2015, DOI: 10.1007/s13197-015-1766-7
	Smart predictive maintenance for high-performance computing systems: a literature review, Lima, Andre Luis da Cunha Dantas et al., Journal of Supercomputing, 2021, DOI: 10.1007/s11227-021-03811-7
	Smart production planning and control in the Industry 4.0 context: A systematic literature review, A., Bueno et al., Computers and Industrial Engineering , 2020, DOI: 10.1016/j.cie.2020.106774
	Smart Products: Conceptual Review, Synthesis, and Research Directions, S., Raff et al., Journal of Product Innovation Management , 2020, DOI: 10.1111/jpim.12544
	Smart Product-Service Systems (Smart PSS) in Industrial Firms: A Literature Review, S., Chowdhury et al., Procedia CIRP , 2018, DOI: 10.1016/j.procir.2018.03.333
	Smart Recommendation System Based on Product Reviews Using Random Forest, G., Khanvilkar et al., 2019 International Conference on Nascent Technologies in Engineering, ICNTE 2019 - Proceedings , 2019, DOI: 10.1109/ICNTE44896.2019.8945855
	Smart remanufacturing: a review and research framework, M., Kerin et al., Journal of Manufacturing Technology Management , 2020, DOI: 10.1108/JMTM-06-2019-0205
	Smart retrofitting in manufacturing: A systematic review, Jaspert, David et al., Journal of Cleaner Production, 2021, DOI: 10.1016/j.jclepro.2021.127555
	Smart Routing Management Framework Exploiting Dynamic Data Resources of Cross-Layer Design and Machine Learning Approaches for Mobile Cognitive Radio Networks: A Survey, Q., Medhat Salih et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.2986369
	Smart solutions for RFID based inventory management systems: A survey, A., Alwadi et al., Scalable Computing , 2017, DOI: 10.12694/scpe.v18i4.1333
	Smart storage technologies applied to fresh foods: A review, J., Wang et al., Critical Reviews in Food Science and Nutrition , 2018, DOI: 10.1080/10408398.2017.1323722
	Smart supply chain management: A review and implications for future research, L., Wu et al., International Journal of Logistics Management , 2016, DOI: 10.1108/IJLM-02-2014-0035
	Smart Tool Use in Knowledge Intensive Work Situations – An Information Technology Review, K., Gutsche et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-3-030-80840-2_47
	Smart Web Application on Quantity Survey, Estimation and Costing, A., Shah et al., 2018 International Conference on Smart City and Emerging Technology, ICSCET 2018 , 2018, DOI: 10.1109/ICSCET.2018.8537348
	SMME Readiness for Smart Manufacturing (4IR) Adoption: A Systematic Review, L., Gumbi et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2020, DOI: 10.1007/978-3-
	Standards for smart manufacturing: A review, Y., Lu et al., IEEE International Conference on Automation Science and Engineering , 2019, DOI: 10.1109/COASE.2019.8842989
	State of the art and future perspectives for smart support services for public transport, J., Cunha et al., Studies in Computational Intelligence , 2014, DOI: 10.1007/978-3-319-04735-5_15
	State of the art and prospectives of smart rotor control for wind turbines, T.K., Barlas et al., Journal of Physics: Conference Series , 2007, DOI: 10.1088/1742-6596/75/1/012080
	Status Review and Future Perspectives on the Framework of Smart Product Service Ecosystem, M., Zheng et al., Procedia CIRP , 2017, DOI: 10.1016/j.procir.2017.03.037
	Study and design of smart embedded system for aviation system: A review, D., Raju et al., Lecture Notes in Electrical Engineering , 2019, DOI: 10.1007/978-981-13-0776-8_54
	Study and design of smart industry: A review, D., Maurya et al., Lecture Notes in Electrical Engineering , 2019, DOI: 10.1007/978-981-13-0776-8_55

	Survey on the use of smart and adaptive engineering systems in medicine, M.F., Abbod et al., Artificial Intelligence in Medicine , 2002, DOI: 10.1016/S0933-3657(02)00083-0
	Sustainable and smart product innovation ecosystem: An integrative status review and future perspectives, D., Yin et al., Journal of Cleaner Production , 2020, DOI: 10.1016/j.jclepro.2020.123005
	Systematic literature review on augmented reality in smart manufacturing: Collaboration between human and computational intelligence, D.K., Baroroh et al., Journal of Manufacturing Systems , 2020, DOI: 10.1016/j.jmsy.2020.10.017
	The business transformation towards smart manufacturing: a literature overview about reference models and research agenda, C., Cimini et al., , 2017, DOI: 10.1016/j.ifacol.2017.08.2548
	The internet of things for smart manufacturing: A review, H., Yang et al., IISE Transactions , 2019, DOI: 10.1080/24725854.2018.1555383
	The potential of additive manufacturing in the smart factory industrial 4.0: A review, M., Mehrpouya et al., Applied Sciences (Switzerland) , 2019, DOI: 10.3390/app9183865
	The smart factory as a key construct of industry 4.0: A systematic literature review, P., Osterrieder et al., International Journal of Production Economics , 2020, DOI: 10.1016/j.ijpe.2019.08.011
	The state of framework development for implementing reasoning mechanisms in smart cyber-physical systems: A literature review, S., Tepjit et al., Journal of Computational Design and Engineering , 2019, DOI: 10.1016/j.jcde.2019.04.002
	To trust or not to trust smart consumer products: a literature review of trust-building factors, O., Michler et al., Management Review Quarterly , 2020, DOI: 10.1007/s11301-019-00171-8
	Toward a Smart Cloud: A Review of Fault-Tolerance Methods in Cloud Systems, M.A., Mukwevho et al., IEEE Transactions on Services Computing , 2021, DOI: 10.1109/TSC.2018.2816644
	Toward application of liquid crystalline elastomer for smart robotics: State of the art and challenges, Sun, Dandan et al., Polymers, 2021, DOI: 10.3390/polym13111889
	Toward Smart Wireless Communications via Intelligent Reflecting Surfaces: A Contemporary Survey, S., Gong et al., IEEE Communications Surveys and Tutorials , 2020, DOI: 10.1109/COMST.2020.3004197
	Towards Smart Remanufacturing and Maintenance of Machinery - Review of Automated Inspection, Condition Monitoring and Production Optimisation, Z., Wang et al., IEEE Symposium on Emerging Technologies and Factory Automation, ETFA , 2020, DOI: 10.1109/ETFA
	Transfer Learning for Smart Manufacturing: A Stepwise Survey, S., Li et al., IFAC-PapersOnLine , 2020, DOI: 10.1016/j.ifacol.2021.04.081
	Will “smarter” marketing end social discrimination? A critical review, F., Grodzinsky et al., Journal of Information, Communication and Ethics in Society , 2013, DOI: 10.1108/JICES-07-2013-0022
	Wireless Connectivity of CPS for Smart Manufacturing: A Survey, A., Ahmadi et al., International Conference on Software, Knowledge Information, Industrial Management and Applications, SKIMA , 2019, DOI: 10.1109/SKIMA.2018.8631535
smart farming, smart agriculture	A comprehensive review of Data Mining techniques in smart agriculture, H., Ait Issad et al., Engineering in Agriculture, Environment and Food , 2019, DOI: 10.1016/j.eaef.2019.11.003
	A Comprehensive Review on the Application of Internet of Thing (IoT) in Smart Agriculture, A., Srivastava et al., Wireless Personal Communications , 2021, DOI: 10.1007/s11277-021-08970-7
	A review of applications and communication technologies for internet of things (Iot) and unmanned aerial vehicle (uav) based sustainable smart farming, N., Islam et al., Sustainability (Switzerland) , 2021, DOI: 10.3390/su13041821

	A review of applications of sensor networks in smart agriculture, A., Abdullah et al., Sensor Networks for Sustainable Development , 2017, DOI: 10.1201/b17124
	A review of climate-smart agriculture applications in Cyprus, G., Adamides et al., Atmosphere , 2020, DOI: 10.3390/ATMOS11090898
	A review of climate-smart agriculture research and applications in Africa, Barasa, Paul M. et al., Agronomy, 2021, DOI: 10.3390/agronomy11061255
	A Review of IoT based Smart Farm Monitoring, V., Lohchab et al., Proceedings of the International Conference on Inventive Communication and Computational Technologies, ICICCT 2018 , 2018, DOI: 10.1109/ICICCT.2018.8473337
	A review of IoT techniques and devices: Smart agriculture perspective, D., Rani et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-3-030-29407-6_10
	A Review of Smart Greenhouse Farming by Using Sensor Network Technology, D., Chaitanya Kumar et al., Advances in Intelligent Systems and Computing , 2021, DOI: 10.1007/978-981-15-7234-0_79
	A review of social science on digital agriculture, smart farming and agriculture 4.0: New contributions and a future research agenda, L., Klerkx et al., NJAS - Wageningen Journal of Life Sciences , 2019, DOI: 10.1016/j.njas.2019.100315
	A review on security of smart farming and precision agriculture: Security aspects, attacks, threats and countermeasures, Yazdinejad, Abbas et al., Applied Sciences (Switzerland), 2021, DOI: 10.3390/app11167518
	A Review on Smart Agriculture using IoT, Thakare, Bhairavi D. et al., Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021, 2021, DOI: 10.1109/ICCES51350.2021.9489109
	A review on smart farming with zinc-fortified sprouts, B.K., Imtiyaz Ahmed et al., Proceedings of the World Conference on Smart Trends in Systems, Security and Sustainability, WS4 2020 , 2020, DOI: 10.1109/WorldS450073.2020.9210417
	A review on smart iot based farming, H., Farooq et al., Annals of Emerging Technologies in Computing , 2020, DOI: 10.33166/AETiC.2020.03.003
	A Review Study on IoT-Based Smart Agriculture System, M.S., Sajad et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-981-16-0733-2_18
	A Survey on Smart Agriculture: Development Modes, Technologies, and Security and Privacy Challenges, X., Yang et al., IEEE/CAA Journal of Automatica Sinica , 2021, DOI: 10.1109/JAS.2020.1003536
	A Survey on the Role of IoT in Agriculture for the Implementation of Smart Farming, M.S., Farooq et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2949703
	A Survey on Wireless Sensor Networks and Instrumentation Techniques for Smart Agriculture, Madhumathi, R. et al., Lecture Notes on Data Engineering and Communications Technologies, 2022, DOI: 10.1007/978-981-16-1866-6_33
	A Survey: Smart agriculture IoT with cloud computing, M.S., Mekala et al., 2017 International Conference on Microelectronic Devices, Circuits and Systems, ICMDCS 2017 , 2017, DOI: 10.1109/ICMDCS.2017.8211551
	A systematic review of iot solutions for smart farming, E., Navarro et al., Sensors (Switzerland) , 2020, DOI: 10.3390/s20154231
	A Systematic Review on Monitoring and Advanced Control Strategies in Smart Agriculture, S.I., Hassan et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3057865
	A systematic survey on the role of cloud, fog, and edge computing combination in smart agriculture, Kalyani, Yogeswaranathan et al., Sensors, 2021, DOI: 10.3390/s21175922
	Adoption of the Internet of Things (IoT) in agriculture and smart farming towards urban greening: A review, A.A.R., Madushanki et al., International Journal of Advanced Computer Science and Applications , 2019, DOI: 10.14569/ijacsa.2019.0100402
	Anthocyanins synthesis in Potato (Solanum tuberosum L.): Genetic markers for smart breeding (review), K., Strygina et al., Sel'skokhozyaistvennaya Biologiya , 2017, DOI: 10.15389/agrobiolgy.2017.1.37eng

	Applications of Internet of Things for smart farming - A survey, M., Balasubramaniyan et al., Materials Today: Proceedings , 2021, DOI: 10.1016/j.matpr.2021.03.480
	Artificial cognition for applications in smart agriculture: A comprehensive review, M., Pathan et al., Artificial Intelligence in Agriculture , 2020, DOI: 10.1016/j.aiaa.2020.06.001
	Big Data in Smart Farming – A review, S., Wolfert et al., Agricultural Systems , 2017, DOI: 10.1016/j.agry.2017.01.023
	Causal reasoning application in smart farming and ethics: A systematic review, S., Luma-Osmani et al., Annals of Emerging Technologies in Computing , 2020, DOI: 10.33166/AETiC.2020.04.002
	Challenges and Applications of Wireless Sensor Networks in Smart Farming—A Survey, T., Rajasekaran et al., Advances in Intelligent Systems and Computing , 2019, DOI: 10.1007/978-981-13-1882-5_30
	Climate smart agriculture: A critical review, I., Arakelyan et al., Making Climate Compatible Development Happen , 2017, DOI: 10.4324/9781315621579
	Climate Smart Agriculture: A Survey and Taxonomy, M., Gulzar et al., 2020 International Conference on Emerging Trends in Smart Technologies, ICETST 2020 , 2020, DOI: 10.1109/ICETST49965.2020.9080695
	Climate-Smart agriculture and potato production in Kenya: review of the determinants of practice, A., Waaswa et al., Climate and Development , 2021, DOI: 10.1080/17565529.2021.1885336
	Climate-smart agriculture global research agenda: Scientific basis for action, K.L., Steenwerth et al., Agriculture and Food Security , 2014, DOI: 10.1186/2048-7010-3-11
	Climate-smart agriculture on small-scale farms: A systematic literature review, T., Mizik et al., Agronomy , 2021, DOI: 10.3390/agronomy11061096
	Data management and internet of things: A methodological review in smart farming, Debauche, Olivier et al., Internet of Things (Netherlands), 2021, DOI: 10.1016/j.iot.2021.100378
	Design issues for wireless sensor networks and smart humidity sensors for precision agriculture: A review, S., Imam et al., International Conference on Soft Computing Techniques and Implementations, ICSCIT 2015 , 2016, DOI: 10.1109/ICSCIT.2015.7489591
	Development of IoT for Smart Agriculture a Review, K., Lakhwani et al., Advances in Intelligent Systems and Computing , 2019, DOI: 10.1007/978-981-13-2285-3_50
	Digital Twin in Smart Farming: A Categorical Literature Review and Exploring Possibilities in Hydroponics, T.R., Sreedevi et al., Proceedings - 2020 Advanced Computing and Communication Technologies for High Performance Applications, ACCTHPA 2020 , 2020,
	Digitalization and Big data in smart farming—a review, J., Iaksch et al., Journal of Management Analytics , 2021, DOI: 10.1080/23270012.2021.1897957
	Effective scaling of climate smart agriculture innovations in African smallholder agriculture: A review of approaches, policy and institutional strategy needs, C., Makate et al., Environmental Science and Policy , 2019, DOI: 10.1016/j.envsci.2019.01.014
	Evolution of smart strategies and machines used for conservative management of herbaceous and horticultural crops in the mediterranean basin: A review, S., Failla et al., Agronomy , 2021, DOI: 10.3390/agronomy11010106
	FIWARE Open Source Standard Platform in Smart Farming - A Review, M., Rodriguez et al., IFIP Advances in Information and Communication Technology , 2018, DOI: 10.1007/978-3-319-99127-6_50
	From smart farming towards agriculture 5.0: A review on crop data management, V., Saiz-Rubio et al., Agronomy , 2020, DOI: 10.3390/agronomy10020207
	How does nutrition feature in climate-smart agricultural policy in southern africa? A systematic policy review, S., Beattie et al., Sustainability (Switzerland) , 2021, DOI: 10.3390/su13052785

	Image processing based Smart Weed Removal and Organic Fertilizer Sprinkling Bot-A Systematic Review, Uppada, Rajyalakshmi et al., Proceedings - International Conference on Artificial Intelligence and Smart Systems, ICAIS 2021, 2021, DOI: 10.1109/ICAIS5093
	Institutional perspectives of climate-smart agriculture: A systematic literature review, E., Totin et al., Sustainability (Switzerland) , 2018, DOI: 10.3390/su10061990
	Internet of Things and autonomous control for vertical cultivation walls towards smart food growing: A review, Halgamuge, Malka N. et al., Urban Forestry and Urban Greening, 2021, DOI: 10.1016/j.ufug.2021.127094
	Internet of Things for the Future of Smart Agriculture: A Comprehensive Survey of Emerging Technologies, Friha, Othmane et al., IEEE/CAA Journal of Automatica Sinica, 2021, DOI: 10.1109/JAS.2021.1003925
	Internet of things-based hardware and software for smart agriculture: A review, B., Sharma et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-3-030-29407-6_13
	Is agricultural revitalization possible through the climate-smart agriculture: a systematic review and citation-based analysis, M., Morkunas et al., Management of Environmental Quality: An International Journal , 2021, DOI: 10.1108/MEQ-06-2021-0149
	Is Cassava (Manihot esculenta Crantz) a Climate “Smart” Crop? A Review in the Context of Bridging Future Food Demand Gap, R., Pushpalatha et al., Tropical Plant Biology , 2020, DOI: 10.1007/s12042-020-09255-2
	Mapping and linking supply- and demand-side measures in climate-smart agriculture. A review, L., Scherer et al., Agronomy for Sustainable Development , 2017, DOI: 10.1007/s13593-017-0475-1
	Method of Systematic Literature Review for Internet of Things in ZigBee Smart Agriculture, T., Hidayat et al., 2020 8th International Conference on Information and Communication Technology, ICoICT 2020 , 2020, DOI: 10.1109/ICoICT49345.2020.9166195
	Printed Sensor Technologies for Monitoring Applications in Smart Farming: A Review, R., Rayhana et al., IEEE Transactions on Instrumentation and Measurement , 2021, DOI: 10.1109/TIM.2021.3112234
	Promoting climate-smart agriculture through water and nutrient interactions options in semi-arid West Africa: A review of evidence and empirical analysis, R., Zougmore et al., Improving the Profitability, Sustainability and Efficiency of Nutrients Throug
	Recent advancements and challenges of Internet of Things in smart agriculture: A survey, Sinha, Bam Bahadur et al., Future Generation Computer Systems, 2022, DOI: 10.1016/j.future.2021.08.006
	Recognition of bloom/yield in crop images using deep learning models for smart agriculture: A review, Darwin, Bini et al., Agronomy, 2021, DOI: 10.3390/agronomy11040646
	Review of the internet of things communication technologies in smart agriculture and challenges, Tao, Wen et al., Computers and Electronics in Agriculture, 2021, DOI: 10.1016/j.compag.2021.106352
	Review on agricultural products smart traceability system affected by new generation information technology, J., Qian et al., Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering , 2020, DOI: 10.11975/j.issn.1002-6819.2
	Review on IOT based multidisciplinary models for smart farming, H.B., Biradar et al., RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings , 2017, DOI: 10.1109/RTEICT.2017.
	Role of climate smart agriculture in promoting sustainable agriculture: A systematic literature review, M.N.I., Sarker et al., International Journal of Agricultural Resources, Governance and Ecology , 2019, DOI: 10.1504/IJARGE.2019.104199

	Role of Internet of Things (IoT) in Smart Farming: A Brief Survey, M., Bhagat et al., Proceedings of 3rd International Conference on 2019 Devices for Integrated Circuit, DevIC 2019 , 2019, DOI: 10.1109/DEVIC.2019.8783800
	Satellite- and drone-based remote sensing of crops and soils for smart farming—a review, Y., Inoue et al., Soil Science and Plant Nutrition , 2020, DOI: 10.1080/00380768.2020.1738899
	Secure B-IoT Based Smart Agriculture- A Brief Review, Raveena, S. et al., Journal of Physics: Conference Series, 2021, DOI: 10.1088/1742-6596/1964/4/042006
	Smart Agriculture: A Survey on Challenges and Opportunities with Recent Advancements, M., Thangatamilan et al., Lecture Notes in Electrical Engineering , 2021, DOI: 10.1007/978-981-15-8221-9_166
	Smart Agro-Ecological Zoning for Crop Suggestion and Prediction Using Machine Learning: An Comprehensive Review, R., Chetan et al., Advances in Intelligent Systems and Computing , 2021, DOI: 10.1007/978-981-15-3514-7_94
	Smart controlled environment agriculture methods: a holistic review, S., Ragaveena et al., Reviews in Environmental Science and Biotechnology , 2021, DOI: 10.1007/s11157-021-09591-z
	Smart farming introduction in wine farms: A systematic review and a new proposal, D., Sarri et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/su12177191
	Smart Farming Technology with AI & Block Chain: A Review, D., Jawale et al., Smart Innovation, Systems and Technologies , 2021, DOI: 10.1007/978-981-16-1502-3_75
	Smart fishery: A systematic review and research agenda for sustainable fisheries in the age of ai, Ebrahimi, Sanaz Honarmand et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su13116037
	Smart sensing with edge computing in precision agriculture for soil assessment and heavy metal monitoring: A review, Akhtar, Mohammad Nishat et al., Agriculture (Switzerland), 2021, DOI: 10.3390/agriculture11060475
	State-of-the-art and prospective of nanotechnologies for smart reproductive management of farm animals, N.M., Hashem et al., Animals , 2020, DOI: 10.3390/ani10050840
	State-of-the-Art Convolutional Neural Networks for Smart Farms: A Review, P.K., Gikunda et al., Advances in Intelligent Systems and Computing , 2019, DOI: 10.1007/978-3-030-22871-2_53
	Survey data on cost and benefits of climate smart agricultural technologies in western Kenya, S., Ng'ang'a et al., Data in Brief , 2018, DOI: 10.1016/j.dib.2017.11.027
	Survey for smart farming technologies: Challenges and issues, Idoje, Godwin et al., Computers and Electrical Engineering, 2021, DOI: 10.1016/j.compeleceng.2021.107104
	Survey on security threats in agricultural iot and smart farming, K., Demestichas et al., Sensors (Switzerland) , 2020, DOI: 10.3390/s20226458
	Survey, comparison and research challenges of IoT application protocols for smart farming, D., Glaroudis et al., Computer Networks , 2020, DOI: 10.1016/j.comnet.2019.107037
	Systematic review of Internet of Things in smart farming, S., Terence et al., Transactions on Emerging Telecommunications Technologies , 2020, DOI: 10.1002/ett.3958
	Technology Application of Smart Spray in Agriculture: A Review, Y., Song et al., Intelligent Automation and Soft Computing , 2015, DOI: 10.1080/10798587.2015.1015781
	The dynamics of climate change adaptation in sub-Saharan Africa: A review of climate-smart agriculture among small-scale farmers, V.O., Abegunde et al., Climate , 2019, DOI: 10.3390/cli7110132
	The relevance of political ecology perspectives for smallholder Climate-Smart Agriculture: A review, A., Chandra et al., Journal of Political Ecology , 2017, DOI: 10.2458/v24i1.20969
	The Rural Household Multi-Indicator Survey (RHoMIS) for rapid characterisation of households to inform climate smart agriculture interventions: Description and applications in East Africa and Central America, J., Hammond et al., Agricultural Systems , 20

	The unique Namib desert-coastal region and its opportunities for climate smart agriculture: A review, H.A., Mupambwa et al., Cogent Food and Agriculture , 2019, DOI: 10.1080/23311932.2019.1645258
	Toward climate-smart agriculture in West Africa: A review of climate change impacts, adaptation strategies and policy developments for the livestock, fishery and crop production sectors, R., Zougmore et al., Agriculture and Food Security , 2016, DOI: 10.
	Towards paddy rice smart farming: A review on big data, machine learning, and rice production tasks, R., Alfred et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3069449
	Unmanned vehicles in smart farming: A survey and a glance at future horizons, D., Madronal et al., ACM International Conference Proceeding Series , 2021, DOI: 10.1145/3444950.3444958
	Wearable Internet of Things enabled precision livestock farming in smart farms: A review of technical solutions for precise perception, biocompatibility, and sustainability monitoring, Zhang, Mengjie et al., Journal of Cleaner Production, 2021, DOI: 10.10
smart grid, smart microgrid, smart energy, smart meter	5G enabling digital transformation of smart grid: A review of pilot projects and prospect, Chen, Junlong et al., 2021 IEEE/CIC International Conference on Communications in China, ICCCWshops 2021, 2021, DOI: 10.1109/ICCCWorkshops52231.2021.9538928
	5G network-based Internet of Things for demand response in smart grid: A survey on application potential, H., Hui et al., Applied Energy , 2020, DOI: 10.1016/j.apenergy.2019.113972
	A Brief Review of Phasor Measurement Units as Sensors for Smart Grid, D.K., Mohanta et al., Electric Power Components and Systems , 2016, DOI: 10.1080/15325008.2015.1117538
	A brief review of power quality issues in smart grid and a simple user friendly software, M., Sazli et al., Proceedings - 2018 6th International Istanbul Smart Grids and Cities Congress and Fair, ICSG 2018 , 2018, DOI: 10.1109/SGCF.2018.8408941
	A Brief Review of Smart Control of Renewable Energy Power Generation, Xiao, Yu et al., Journal of Physics: Conference Series, 2021, DOI: 10.1088/1742-6596/1887/1/012035
	A brief review on smart grid residential network schemes, N., Fatima et al., Sains Malaysiana , 2020, DOI: 10.17576/jsm-2020-4912-10
	A brief survey on applications of new generation artificial intelligence in smart grids, Y., Dai et al., Dianli Jianshe/Electric Power Construction , 2018, DOI: 10.3969/j.issn.1000-7229.2018.10.001
	A comprehensive review of operation and control, maintenance and lifespan management, grid planning and design, and metering in smart grids, L., Hernandez-Callejo et al., Energies , 2019, DOI: 10.3390/en12091630
	A Comprehensive Review of Power Electronics Enabled Active Battery Cell Balancing for Smart Energy Management, A., Kelkar et al., 2020 IEEE International Conference on Power Electronics, Smart Grid and Renewable Energy, PESGRE 2020 , 2020, DOI: 10.1109/P
	A comprehensive review of practical issues for interoperability using the common information model in smart grids, H.J., Kim et al., Energies , 2020, DOI: 10.3390/en13061435
	A comprehensive review of recent advances in smart grids: A sustainable future with renewable energy resources, I., Alotaibi et al., Energies , 2020, DOI: 10.3390/en13236269
	A Comprehensive Review of Smart Energy Meters in Intelligent Energy Networks, Q., Sun et al., IEEE Internet of Things Journal , 2016, DOI: 10.1109/JIOT.2015.2512325
	A comprehensive review of smart grid related standards and protocols, M., Kuzlu et al., ICSG 2017 - 5th International Istanbul Smart Grids and Cities Congress and Fair , 2017, DOI: 10.1109/SGCF.2017.7947600

	A comprehensive review of smart/intelligent oilfield technologies and applications in the oil and gas industry, C., Temizel et al., SPE Middle East Oil and Gas Show and Conference, MEOS, Proceedings , 2019, DOI: 10.2118/195095-ms
	A comprehensive review of the application characteristics and traffic requirements of a smart grid communications network, R., Khan et al., Computer Networks , 2013, DOI: 10.1016/j.comnet.2012.11.002
	A Comprehensive Review of Traditional and Smart MPPT Techniques in PMSG based Wind Energy Conversion System, B., Kumari et al., 2019 International Conference on Power Electronics, Control and Automation, ICPECA 2019 - Proceedings , 2019, DOI: 10.1109/ICP
	A comprehensive review on IoT protocols' features in smart grid communication, L., Tightiz et al., Energies , 2020, DOI: 10.3390/en13112762
	A comprehensive review on IoT-based infrastructure for smart grid applications, R., Pal et al., IET Renewable Power Generation , 2021, DOI: 10.1049/rpg2.12272
	A comprehensive review on residential demand side management strategies in smart grid environment, Iqbal, Sana et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su13137170
	A comprehensive review on smart grids: Challenges and opportunities, Escobar, Jesus Jaime Moreno et al., Sensors, 2021, DOI: 10.3390/s21216978
	A comprehensive survey of accurate and efficient aggregation modeling for high penetration of large-scale wind farms in smart grid, F., Liu et al., Applied Sciences (Switzerland) , 2019, DOI: 10.3390/app9040769
	A comprehensive survey of false data injection in smart grid, Z., Guan et al., International Journal of Wireless and Mobile Computing , 2015, DOI: 10.1504/IJWMC.2015.066756
	A comprehensive survey of privacy-preserving in smart grid, G., Si et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2016, DOI: 10.1007/978-3-319-49148-6_19
	A comprehensive survey on electric springs and its applications in smart grids, K.K., Deepika et al., 2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings , 2018, DOI
	A critical review of edge and fog computing for smart grid applications, G.M., Gilbert et al., IFIP Advances in Information and Communication Technology , 2019, DOI: 10.1007/978-3-030-18400-1_62
	A critical review of Real Options thinking for valuing investment flexibility in Smart Grids and low carbon energy systems, J.A., Schachter et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.11.071
	A Detailed Review of the Optimal Distributed Generation Placement in Smart Power Distribution Systems, B.K., Malika et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-981-16-0695-3_10
	A literature survey on Smart Grid distribution: An analytical approach, J.A., Cardenas et al., Journal of Cleaner Production , 2014, DOI: 10.1016/j.jclepro.2013.09.019
	A literature survey report on Smart Grid technologies, J.N., Bharothu et al., 2014 International Conference on Smart Electric Grid, ISEG 2014 , 2015, DOI: 10.1109/ISEG.2014.7005601
	A Mini-Review on High-Penetration Renewable Integration Into a Smarter Grid, Y., Li et al., Frontiers in Energy Research , 2020, DOI: 10.3389/fenrg.2020.00084
	A new generation of AI: A review and perspective on machine learning technologies applied to smart energy and electric power systems, L., Cheng et al., International Journal of Energy Research , 2019, DOI: 10.1002/er.4333
	A privacy-preserving aggregation scheme based on immunological negative surveys for smart meters, H., Jiang et al., Applied Soft Computing Journal , 2019, DOI: 10.1016/j.asoc.2019.105821

	A review of 3GPP release 18 on smart energy and infrastructure, Xia, Xu et al., 2021 IEEE/CIC International Conference on Communications in China, ICCC Workshops 2021, 2021, DOI: 10.1109/ICCCWorkshops52231.2021.9538875
	A Review of Active Power and Frequency Control in Smart Grid, M.R., Tur et al., Proceedings - 2019 IEEE 1st Global Power, Energy and Communication Conference, GPECOM 2019 , 2019, DOI: 10.1109/GPECOM.2019.8778593
	A review of bit allocation for MCM techniques in power line communication for Smart Grids, U., Noreen et al., World Applied Sciences Journal , 2012, DOI: 10.5829/idosi.wasj.2012.19.07.1834
	A Review of Charge Scheduling of Electric Vehicles in Smart Grid, J., Mukherjee et al., IEEE Systems Journal , 2015, DOI: 10.1109/JSYST.2014.2356559
	A review of CIRED 2011 on standardization activities regarding electric vehicles and smart grid, Y., Lu et al., Dianli Xitong Zidonghua/Automation of Electric Power Systems , 2012, DOI: 10.3969/j.issn.1000-1026.2012.01.002
	A review of cognitive radio smart grid communication infrastructure systems, D.N., Molokomme et al., Energies , 2020, DOI: 10.3390/en13123245
	A Review of Communication Technologies for Efficient Communication in the Smart Grid of the 4IR Era, A.D., Familua et al., IEEE PES/IAS PowerAfrica Conference: Power Economics and Energy Innovation in Africa, PowerAfrica 2019 , 2019, DOI: 10.1109/PowerAf
	A review of cyber securities in smart grid technology, A.I., Kawoosa et al., Proceedings of 2nd International Conference on Computation, Automation and Knowledge Management, ICCAKM 2021 , 2021, DOI: 10.1109/ICCAKM50778.2021.9357698
	A review of datasets and load forecasting techniques for smart natural gas and water grids: Analysis and experiments, M., Fagiani et al., Neurocomputing , 2015, DOI: 10.1016/j.neucom.2015.04.098
	A review of demand response in an efficient smart grid environment, M., Hussain et al., Electricity Journal , 2018, DOI: 10.1016/j.tej.2018.06.003
	A review of demand response techniques in smart grids, A., Malik et al., 2016 IEEE Electrical Power and Energy Conference, EPEC 2016 , 2016, DOI: 10.1109/EPEC.2016.7771745
	A review of economic aspects of voltage control in LV smart grids, T., Siewierski et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2018.02.013
	A review of electric load classification in smart grid environment, K., Zhou et al., Renewable and Sustainable Energy Reviews , 2013, DOI: 10.1016/j.rser.2013.03.023
	A review of electric vehicles emissions and its smart charging techniques influence on power distribution grid, F.O., Igbinovia et al., Journal of Engineering Science and Technology Review , 2016, DOI: 10.25103/jestr.093.12
	A review of enabling methodologies for information processing in smart grids, A., Vaccaro et al., International Journal of Electrical Power and Energy Systems , 2019, DOI: 10.1016/j.ijepes.2018.11.034
	A review of energy management systems for smart grids, H., Yenginer et al., 2015 3rd International Istanbul Smart Grid Congress and Fair, ICSG 2015 , 2015, DOI: 10.1109/SGCF.2015.7354918
	A review of health assessment techniques for distribution transformers in smart distribution grids, Q.T., Tran et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/app10228115
	A review of high gain inverters for smart-grid applications, S., Acharya et al., 9th IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2020 , 2020, DOI: 10.1109/PEDES49360.2020.9379522
	A Review of Human-Powered Energy Harvesting for Smart Electronics: Recent Progress and Challenges, S., Khalid et al., International Journal of Precision Engineering and Manufacturing - Green Technology , 2019, DOI: 10.1007/s40684-019-00144-y

	A review of Integration, Control, Communication and Metering (ICCM) of renewable energy based smart grid, K.S., Reddy et al., Renewable and Sustainable Energy Reviews , 2014, DOI: 10.1016/j.rser.2014.05.049
	A review of machine learning for new generation smart dispatch in power systems, L., Yin et al., Engineering Applications of Artificial Intelligence , 2020, DOI: 10.1016/j.engappai.2019.103372
	A review of non-technical loss attack models and detection methods in the smart grid, Chuwa, Maria Gabriel et al., Electric Power Systems Research, 2021, DOI: 10.1016/j.epsr.2021.107415
	A Review of Operation Methods and Simulation Requirements for Future Smart Distribution Grids, D., Recalde et al., International Conference on Innovative Smart Grid Technologies, ISGT Asia 2018 , 2018, DOI: 10.1109/ISGT-Asia.2018.8467850
	A review of optimal power flow studies applied to smart grids and microgrids, H., Abdi et al., Renewable and Sustainable Energy Reviews , 2017, DOI: 10.1016/j.rser.2016.12.102
	A review of PHIL testing for smart grids—selection guide, classification and online database analysis, E., Garcia-Martinez et al., Electronics (Switzerland) , 2020, DOI: 10.3390/electronics9030382
	A review of plug-in electric vehicles as distributed energy storages in smart grid, X., Zhang et al., IEEE PES Innovative Smart Grid Technologies Conference Europe , 2015, DOI: 10.1109/ISGTEurope.2014.7028853
	A review of possibilities and solutions of cyber attacks in smart grids, S.A., Yadav et al., 2016 1st International Conference on Innovation and Challenges in Cyber Security, ICICCS 2016 , 2016, DOI: 10.1109/ICICCS.2016.7542359
	A Review of Privacy-Preserving Aggregation Schemes for Smart Grid, DIas, Lucas et al., IEEE Latin America Transactions, 2021, DOI: 10.1109/TLA.2021.9461839
	A review of recent development in smart grid and micro-grid laboratories, M., Shamshiri et al., 2012 IEEE International Power Engineering and Optimization Conference, PEOCO 2012 - Conference Proceedings , 2012, DOI: 10.1109/PEOCO.2012.6230891
	A Review of Recent Dynamic Reliability Analysis Methods and a Proposal for a Smart Component Methodology, D.K., Shukla et al., Lecture Notes in Mechanical Engineering , 2020, DOI: 10.1007/978-981-13-9008-1_22
	A review of residential demand response of smart grid, H.T., Haider et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2016.01.016
	A Review of Rule Learning-Based Intrusion Detection Systems and Their Prospects in Smart Grids, Q., Liu et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3071263
	A review of single-objective optimization models for plug-in vehicles operation in smart grids part I: Theoretical aspects, A., Andreotti et al., IEEE Power and Energy Society General Meeting , 2012, DOI: 10.1109/PESGM.2012.6345381
	A review of single-objective optimization models for plug-in vehicles operation in Smart Grids Part II: Numerical applications to vehicles fleets, A., Andreotti et al., IEEE Power and Energy Society General Meeting , 2012, DOI: 10.1109/PESGM.2012.6345390
	A Review of Smart Grid Restoration to Enhance Cyber-Physical System Resilience, H., Haggi et al., 2019 IEEE PES Innovative Smart Grid Technologies Asia, ISGT 2019 , 2019, DOI: 10.1109/ISGT-Asia.2019.8881730
	A review of smart grid standards for protection, control, and monitoring applications, M.G., Kanabar et al., 2012 65th Annual Conference for Protective Relay Engineers , 2012, DOI: 10.1109/CPRE.2012.6201239
	A review of Smart Grid Technology, Components, and Implementation, A.T., Yee Chong et al., 2020 8th International Conference on Information Technology and Multimedia, ICIMU 2020 , 2020, DOI: 10.1109/ICIMU49871.2020.9243430
	A review of smart grids and their future challenges, W., Tian et al., MATEC Web of Conferences , 2018, DOI: 10.1051/mateconf/201817302025

	A review of smart metering for future Chinese grids, Y., Wang et al., Energy Procedia , 2018, DOI: 10.1016/j.egypro.2018.09.158
	A review of smart technology (smart grid) and its features, S., Paul et al., Proceedings of 2014 1st International Conference on Non Conventional Energy: Search for Clean and Safe Energy, ICONCE 2014 , 2014, DOI: 10.1109/ICONCE.2014.6808719
	A review of smart transformer architectures and topologies, H., Helali et al., 2016 17th International Conference on Sciences and Techniques of Automatic Control and Computer Engineering, STA 2016 - Proceedings , 2017, DOI: 10.1109/STA.2016.7952000
	A review of standards with cybersecurity requirements for smart grid, R., Leszczyna et al., Computers and Security , 2018, DOI: 10.1016/j.cose.2018.03.011
	A review of strategies to increase PV penetration level in smart grids, S.A., Aleem et al., Energies , 2020, DOI: 10.3390/en13030636
	A review of synchrophasor applications in smart electric grid, H., Lee et al., Wiley Interdisciplinary Reviews: Energy and Environment , 2017, DOI: 10.1002/wene.223
	A review of the development of Smart Grid technologies, M.L., Tuballa et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2016.01.011
	A review of the enabling methodologies for knowledge discovery from smart grids data, de Caro F. et al., Energies , 2020, DOI: 10.3390/en13246579
	A Review of the Enabling Methodologies for Knowledge Discovery from Smart Grids Data, F., De Caro et al., Proceedings - 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Eur
	A review of the holonic architecture for the smart grids and the self-healing application, M.F., Abdel-Fattah et al., Proceedings - 2020 21st International Scientific Conference on Electric Power Engineering, EPE 2020 , 2020, DOI: 10.1109/EPE51172.2020.9
	A Review of the New Medium Voltage Smart Grid at UNAM and its Academic Uses, J., Deras-Campos et al., Proceedings - 2018 IEEE PES Innovative Smart Grid Technologies Conference Europe, ISGT-Europe 2018 , 2018, DOI: 10.1109/ISGTEurope.2018.8571898
	A review of the privacy-preserving mechanisms of the smart meter in M2M, L., Chi et al., Journal of Convergence Information Technology , 2012, DOI: 10.4156/jcit.vol7.issue13.6
	A Review of the Topologies Used in Smart Water Meter Networks: A Wireless Sensor Network Application, J.M., Marais et al., Journal of Sensors , 2016, DOI: 10.1155/2016/9857568
	A Review of Uncertainty Handling Techniques in Smart Grid, P.P., Verma et al., International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems , 2018, DOI: 10.1142/S0218488518500186
	A review of various modern strategies for mitigation of cyber attacks in smart grids, M., Saad et al., ITEC Asia-Pacific 2019 - 2019 IEEE Transportation Electrification Conference and Expo, Asia-Pacific: New Paradigm Shift, Sustainable E-Mobility , 2019,
	A review of wireless and PLC propagation channel characteristics for smart grid environments, S., Guzelgoz et al., Journal of Electrical and Computer Engineering , 2011, DOI: 10.1155/2011/154040
	A Review of Wireless and Satellite-Based M2M/IoT Services in Support of Smart Grids, K., Sohraby et al., Mobile Networks and Applications , 2018, DOI: 10.1007/s11036-017-0955-1
	A review of wireless communications for smart grid, A., Mahmood et al., Renewable and Sustainable Energy Reviews , 2015, DOI: 10.1016/j.rser.2014.08.036
	A review on 5G technological intervention in smart grid, D., Kumar et al., 2020 21st National Power Systems Conference, NPSC 2020 , 2020, DOI: 10.1109/NPSC49263.2020.9331759
	A review on artificial intelligence based load demand forecasting techniques for smart grid and buildings, M., Raza et al., Renewable and Sustainable Energy Reviews , 2015, DOI: 10.1016/j.rser.2015.04.065

	A Review on Communication Aspects of Demand Response Management for Future 5G IoT-Based Smart Grids, S., Ahmadzadeh et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3082430
	A review on compressed air energy storage – A pathway for smart grid and polygeneration, G., Venkataramani et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2016.05.002
	A review on cyber security in metering infrastructure of smart grids, A., Philips et al., Advances in Intelligent Systems and Computing , 2021, DOI: 10.1007/978-981-15-6876-3_10
	A review on cyber security issues and mitigation methods in smart grid systems, M., Pour et al., Conference Proceedings - IEEE SOUTHEASTCON , 2017, DOI: 10.1109/SECON.2017.7925278
	A review on demand side management forecasting models for smart grid, S., Singh et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-15-0214-9_96
	A review on development of Smart Grid technology in India and its future perspectives, S.K., Bala et al., 2012 Students Conference on Engineering and Systems, SCES 2012 , 2012, DOI: 10.1109/SCES.2012.6199016
	A Review on Development Practice of Smart Grid Technology in China, L., Han et al., IOP Conference Series: Materials Science and Engineering , 2017, DOI: 10.1088/1757-899X/199/1/012062
	A review on edge computing in smart energy by means of a systematic mapping study, I., Sitton-Candanedo et al., Electronics (Switzerland) , 2020, DOI: 10.3390/electronics9010048
	A review on electric vehicles and renewable energy synergies in smart grid, J., Dai et al., China International Conference on Electricity Distribution, CICED , 2016, DOI: 10.1109/CICED.2016.7575995
	A review on electric vehicles and their interaction with smart grids: The case of Brazil, A., Teixeira et al., Clean Technologies and Environmental Policy , 2015, DOI: 10.1007/s10098-014-0865-x
	A review on electric vehicles interacting with renewable energy in smart grid, L., Liu et al., Renewable and Sustainable Energy Reviews , 2015, DOI: 10.1016/j.rser.2015.06.036
	A review on energy efficiency optimization in Smart Grid, S., Rafiei et al., IECON Proceedings (Industrial Electronics Conference) , 2012, DOI: 10.1109/IECON.2012.6389115
	A review on energy storage and demand side management solutions in smart energy islands, D., Groppi et al., Renewable and Sustainable Energy Reviews , 2021, DOI: 10.1016/j.rser.2020.110183
	A review on evaluation of maximum permissible capacity of distributed generations connected to a smart grid, N., Yang et al., Proceedings - International Conference on Machine Learning and Cybernetics , 2012, DOI: 10.1109/ICMLC.2012.6359602
	A review on future power systems; Technologies and research for smart grids, M., Sarwar et al., ICET 2016 - 2016 International Conference on Emerging Technologies , 2017, DOI: 10.1109/ICET.2016.7813247
	A Review on High PV Penetration on Smart Grid: Challenges and its Mitigation using FPPT, G.C., Mahato et al., ICPEE 2021 - 2021 1st International Conference on Power Electronics and Energy , 2021, DOI: 10.1109/ICPEE50452.2021.9358474
	A Review on Importance of Smart Grid in Electrical Power System, S., Karimulla et al., 8th International Conference on Computation of Power, Energy, Information and Communication, ICCPEIC 2019 , 2019, DOI: 10.1109/ICCPEIC45300.2019.9082355
	A review on industry challenges in smart grid implementation, D., Kumar et al., India International Conference on Power Electronics, IICPE , 2016, DOI: 10.1109/IICPE.2016.8079395

	A Review on Integration of Electric Vehicles into a Smart Power Grid and Vehicle-to-Grid Impacts, M., Kumar et al., 2019 8th International Conference on Power Systems: Transition towards Sustainable, Smart and Flexible Grids, ICPS 2019 , 2019, DOI: 10.11
	A review on intentional controlled islanding in smart power systems and generalized framework for ICI in microgrids, A.R., Hassani Ahangar et al., International Journal of Electrical Power and Energy Systems , 2020, DOI: 10.1016/j.ijepes.2019.105709
	A review on machine learning and data mining techniques for Residential Energy Smart Management, H., Salem et al., Proceedings - 2016 15th IEEE International Conference on Machine Learning and Applications, ICMLA 2016 , 2017, DOI: 10.1109/ICMLA.2016.30
	A Review on Operation, Control and Protection of Smart Microgrids, S., Jadidi et al., 2019 IEEE 2nd International Conference on Renewable Energy and Power Engineering, REPE 2019 , 2019, DOI: 10.1109/REPE48501.2019.9025113
	A review on renewable energy and electricity requirement forecasting models for smart grid and buildings, T., Ahmad et al., Sustainable Cities and Society , 2020, DOI: 10.1016/j.scs.2020.102052
	A Review on Requirements for Data Communication and Information Technology Areas for Smart Grid, V., Kulkarni et al., Lecture Notes in Electrical Engineering , 2021, DOI: 10.1007/978-981-15-8221-9_303
	A Review on Residential Area Demand Response Analysis in Smart Grid Era, S., Paul et al., 8th IEEE Power India International Conference, PIICON 2018 , 2018, DOI: 10.1109/POWERI.2018.8704412
	A review on small power rating pv inverter topologies and smart pv inverters, Vairavasundaram, Indragandhi et al., Electronics (Switzerland), 2021, DOI: 10.3390/electronics10111296
	A Review on Smart Energy Grid Technology: Features and Specifications, M.A., Mahmoud et al., ARPN Journal of Engineering and Applied Sciences , 2020, DOI: 10.36478/JEASCI.2020.535.547
	A review on smart grid architecture and implementation challenges, S., Kulkarni et al., International Conference on Electrical, Electronics, and Optimization Techniques, ICEEOT 2016 , 2016, DOI: 10.1109/ICEEOT.2016.7755313
	A review on smart grid initiatives and power structure in India, G., Singh et al., 2017 1st International Conference on Electronics, Materials Engineering and Nano-Technology, IEMENTech 2017 , 2017, DOI: 10.1109/IEMENTECH.2017.8077006
	A review on smart grid network security issues over 6LoWPAN, A., Ibhaze et al., ACM International Conference Proceeding Series , 2017, DOI: 10.1145/3018896.3056797
	A review on SMART GRID power system network, S., Tripathi et al., Proceedings of the 2020 9th International Conference on System Modeling and Advancement in Research Trends, SMART 2020 , 2020, DOI: 10.1109/SMART50582.2020.9337067
	A review on smart grids and experiences in Brazil, K.G., Di Santo et al., Renewable and Sustainable Energy Reviews , 2015, DOI: 10.1016/j.rser.2015.07.182
	A review on smart metering infrastructure, A.E., Ibhaze et al., International Journal of Energy Technology and Policy , 2020, DOI: 10.1504/IJETP.2020.107019
	A review on solid-state transformer: A breakthrough technology for future smart distribution grids, Mishra, Dillip K. et al., International Journal of Electrical Power and Energy Systems, 2021, DOI: 10.1016/j.ijepes.2021.107255
	A review on the efficiency increment in a power system using smart grid technologies, Colak, Alperen Mustafa et al., 9th International Conference on Smart Grid, icSmartGrid 2021, 2021, DOI: 10.1109/icSmartGrid52357.2021.9551257
	A review on the features and technologies for energy efficiency of smart grid, K.R., Anjana et al., International Journal of Energy Research , 2018, DOI: 10.1002/er.3852
	A review paper on impact on the decentralization of the smart grid, A., Singla et al., Proceedings of the 2nd International Conference on Inventive Systems and Control, ICISC 2018 , 2018, DOI: 10.1109/ICISC.2018.8398948

	A Review Study on '5G NR Slicing Enhancing IoT Smart Grid Communication', Faruque, M. A. et al., 2021 12th International Renewable Engineering Conference, IREC 2021, 2021, DOI: 10.1109/IREC51415.2021.9427791
	A review: Agents in smart grids, F., Malik et al., Electric Power Systems Research , 2016, DOI: 10.1016/j.epsr.2015.10.004
	A smart grid prerequisite: Survey on electricity demand forecasting models and scope analysis of demand forecasting in Bangladesh, S., Islam et al., 5th IEEE Region 10 Humanitarian Technology Conference 2017, R10-HTC 2017 , 2018, DOI: 10.1109/R10-HTC.20
	A survey and statistical analysis of smart grid co-simulations, M., Vogt et al., Applied Energy , 2018, DOI: 10.1016/j.apenergy.2018.03.123
	A Survey of Algorithms for Distributed Charging Control of Electric Vehicles in Smart Grid, N.I., Nimalsiri et al., IEEE Transactions on Intelligent Transportation Systems , 2020, DOI: 10.1109/TITS.2019.2943620
	A survey of communication technologies for smart grid connectivity, F., Khan et al., 2016 International Conference on Computing, Electronic and Electrical Engineering, ICE Cube 2016 - Proceedings , 2016, DOI: 10.1109/ICECUBE.2016.7495234
	A survey of communication/networking in Smart Grids, J., Gao et al., Future Generation Computer Systems , 2012, DOI: 10.1016/j.future.2011.04.014
	A Survey of Computational Intelligence Techniques for Wind Power Uncertainty Quantification in Smart Grids, H., Quan et al., IEEE Transactions on Neural Networks and Learning Systems , 2020, DOI: 10.1109/TNNLS.2019.2956195
	A Survey of Cryptography-Based Authentication for Smart Grid Communication, N., Chowdhury et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2020, DOI: 10.1007/97
	A survey of denial-of-service attacks and solutions in the smart grid, A., Huseinovic et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3026923
	A survey of deployable tools and techniques for a smarter power grid, Nishanth et al., Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017 , 2018, DOI: 10.1109/SmartTechCon.2017.8358552
	A Survey of Development and Application of Artificial Intelligence in Smart Grid, J., Li et al., IOP Conference Series: Earth and Environmental Science , 2018, DOI: 10.1088/1755-1315/186/4/012066
	A survey of energy potential in Pakistan for smart grid implementation, S.M., Ali et al., IEEE International Conference on Electro Information Technology , 2014, DOI: 10.1109/EIT.2014.6871805
	A survey of game theoretic approaches in smart grid, Z.M., Fadlullah et al., 2011 International Conference on Wireless Communications and Signal Processing, WCSP 2011 , 2011, DOI: 10.1109/WCSP.2011.6096962
	A survey of game theory approach in smart grid with emphasis on cooperative games, A., Loni et al., 2017 IEEE International Conference on Smart Grid and Smart Cities, ICSGSC 2017 , 2017, DOI: 10.1109/ICSGSC.2017.8038583
	A survey of home energy management systems in future smart grid communications, N., Javaid et al., Proceedings - 2013 8th International Conference on Broadband, Wireless Computing, Communication and Applications, BWCCA 2013 , 2013, DOI: 10.1109/BWCCA.201
	A survey of intrusion detection systems in smart grid, J., Jow et al., International Journal of Sensor Networks , 2017, DOI: 10.1504/IJSNET.2017.083410
	A Survey of Machine Learning-based Cyber-physical Attack Generation, Detection, and Mitigation in Smart-Grid, Haque, Nur Imtiazul et al., 2020 52nd North American Power Symposium, NAPS 2020, 2021, DOI: 10.1109/NAPS50074.2021.9449635
	A survey of networking challenges and routing protocols in smart grids, A., Sabbah et al., IEEE Transactions on Industrial Informatics , 2014, DOI: 10.1109/TII.2013.2258930

	A survey of optimization techniques for scheduling in home energy management systems in smart grid, F., Feroze et al., Lecture Notes on Data Engineering and Communications Technologies , 2018, DOI: 10.1007/978-3-319-69811-3_55
	A survey of privacy preserving schemes in IoE enabled Smart Grid Advanced Metering Infrastructure, S., Desai et al., Cluster Computing , 2019, DOI: 10.1007/s10586-018-2820-9
	A survey of recent power line communication technologies for smart micro grid, R.D., Caytiles et al., International Journal of Software Engineering and its Applications , 2015, DOI: 10.14257/ijseia.2015.9.12.22
	A survey of research activities in the domain of smart grid systems, N., Karagiorgos et al., Power Systems , 2019, DOI: 10.1007/978-3-030-03640-9_13
	A Survey of Research on Datacenters Using Energy Storage Devices to Participate in Smart Grid Demand Response, M., Zhao et al., Proceedings of 2020 IEEE International Conference on Power, Intelligent Computing and Systems, ICPICS 2020 , 2020, DOI: 10.110
	A survey of research on secondary device condition monitoring in smart substation, J., Cai et al., Dianli Xitong Baohu yu Kongzhi/Power System Protection and Control , 2016, DOI: 10.7667/PSPC150510
	A survey of research on smart grid security, L., Zhou et al., Communications in Computer and Information Science , 2012, DOI: 10.1007/978-3-642-35211-9_52
	A survey of routing protocols for smart grid communications, N., Saputro et al., Computer Networks , 2012, DOI: 10.1016/j.comnet.2012.03.027
	A survey of sensing methodologies in smart grids, Alhariry, Alaa et al., Conference Proceedings - IEEE SOUTHEASTCON, 2021, DOI: 10.1109/SoutheastCon45413.2021.9401840
	A survey of sensor web services for the smart grid, O., Asad et al., Journal of Sensor and Actuator Networks , 2013, DOI: 10.3390/jsan2010098
	A survey of smart grid architectures, applications, benefits and standardization, N.S., Nafi et al., Journal of Network and Computer Applications , 2016, DOI: 10.1016/j.jnca.2016.10.003
	A survey of Smart Grid in Protection Perspective, Y., Sabri et al., PervasiveHealth: Pervasive Computing Technologies for Healthcare , 2019, DOI: 10.1145/3372938.3373001
	A survey of smart Grid research and development involving real-time simulation technology, C., Dufour et al., 2013 IEEE PES Conference on Innovative Smart Grid Technologies, ISGT LA 2013 , 2013, DOI: 10.1109/ISGT-LA.2013.6554432
	A survey of technical challenges in wireless machine-to-machine communication for smart grids, S., Subhani et al., Proceedings of the Universities Power Engineering Conference , 2015, DOI: 10.1109/UPEC.2015.7339879
	A survey of technical requirements and consumer application standards for IP-based smart grid AMI network, J., Wang et al., International Conference on Information Networking 2011, ICOIN 2011 , 2011, DOI: 10.1109/ICOIN.2011.5723144
	A Survey of 'User Comfort' in Home Energy Management Systems in Smart Grid, A., Mahmood et al., Proceedings - IEEE 29th International Conference on Advanced Information Networking and Applications Workshops, WAINA 2015 , 2015, DOI: 10.1109/WAINA.2015.124
	A Survey on 5g network slicing enabling the smart grid, X., Xia et al., Proceedings of the International Conference on Parallel and Distributed Systems - ICPADS , 2019, DOI: 10.1109/ICPADS47876.2019.00134
	A survey on advanced metering infrastructure and its application in Smart Grids, R.R., Mohassel et al., Canadian Conference on Electrical and Computer Engineering , 2014, DOI: 10.1109/CCECE.2014.6901102

	A survey on algorithmic approaches on electric vehicle adaptation in a smart grid: An introduction to battery consolidation systems, D., Nyknahad et al., <i>Advances in Intelligent Systems and Computing</i> , 2019, DOI: 10.1007/978-3-030-14070-0_74
	A survey on applications of Alternating Direction Method of Multipliers in smart power grids, Maneesha, Ampolu et al., <i>Renewable and Sustainable Energy Reviews</i> , 2021, DOI: 10.1016/j.rser.2021.111687
	A survey on bad data injection attack in smart grid, D., Wang et al., <i>Asia-Pacific Power and Energy Engineering Conference, APPEEC</i> , 2013, DOI: 10.1109/APPEEC.2013.6837157
	A survey on behind the meter energy management systems in smart grid, I.S., Bayram et al., <i>Renewable and Sustainable Energy Reviews</i> , 2017, DOI: 10.1016/j.rser.2016.10.034
	A survey on blockchain-enabled smart grids: Advances, applications and challenges, Liu, Chao et al., <i>IET Smart Cities</i> , 2021, DOI: 10.1049/smc2.12010
	A Survey on Cloud Computing Applications in Smart Distribution Systems, de Sousa J.V. et al., <i>Electric Power Components and Systems</i> , 2018, DOI: 10.1080/15325008.2018.1509156
	A survey on cloud computing in energy management of the smart grids, Y., Allahvirdizadeh et al., <i>International Transactions on Electrical Energy Systems</i> , 2019, DOI: 10.1002/2050-7038.12094
	A survey on cloud-based software platforms to implement secure smart grids, B., Genge et al., <i>Proceedings of the Universities Power Engineering Conference</i> , 2014, DOI: 10.1109/UPEC.2014.6934607
	A Survey on Communication Technologies in Smart Grid, S., Ahmed et al., <i>2019 IEEE PES GTD Grand International Conference and Exposition Asia, GTD Asia 2019</i> , 2019, DOI: 10.1109/GTDAAsia.2019.8715993
	A survey on communication technology of smart grid, Y., Ma et al., <i>Advanced Materials Research</i> , 2013, DOI: 10.4028/www.scientific.net/AMR.749.603
	A survey on consumers empowerment, communication technologies, and renewable generation penetration within Smart Grid, N., Shaukat et al., <i>Renewable and Sustainable Energy Reviews</i> , 2018, DOI: 10.1016/j.rser.2017.05.208
	A survey on cost saving methods for smart grids, M.R., Alam et al., <i>IEEE International Conference on Smart Energy Grid Engineering, SEGE 2013</i> , 2013, DOI: 10.1109/SEGE.2013.6707914
	A survey on cyber physical energy systems and their applications on smart grids, C., Macana et al., <i>2011 IEEE PES Conference on Innovative Smart Grid Technologies Latin America SGT LA 2011 - Conference Proceedings</i> , 2011, DOI: 10.1109/ISGT-LA.2011.608319
	A Survey on Cyber Security Attacks and Countermeasures in Smart Grid Metering Network, Kayalvizhy, V. et al., <i>Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021</i> , 2021, DOI: 10.1109/ICCMC51019.2021.9418303
	A survey on cyber security for smart grid communications, Y., Yan et al., <i>IEEE Communications Surveys and Tutorials</i> , 2012, DOI: 10.1109/SURV.2012.010912.00035
	A survey on cybersecurity challenges, detection, and mitigation techniques for the smart grid, Tufail, Shahid et al., <i>Energies</i> , 2021, DOI: 10.3390/en14185894
	A survey on deep learning methods for power load and renewable energy forecasting in smart microgrids, Aslam, Sheraz et al., <i>Renewable and Sustainable Energy Reviews</i> , 2021, DOI: 10.1016/j.rser.2021.110992
	A survey on deep learning methods for security and privacy in smart grid, M., Joudaki et al., <i>2020 15th International Conference on Protection and Automation of Power Systems, IPAPS 2020</i> , 2020, DOI: 10.1109/IPAPS52181.2020.9375569

	A survey on demand response in smart grids: Mathematical models and approaches, R., Deng et al., IEEE Transactions on Industrial Informatics , 2015, DOI: 10.1109/TII.2015.2414719
	A Survey on Demand Response in Smart Power Distribution Systems, T.S., Kumar et al., ICPECTS 2020 - IEEE 2nd International Conference on Power, Energy, Control and Transmission Systems, Proceedings , 2020, DOI: 10.1109/ICPECTS49113.2020.9337035
	A Survey on Demand Response Programs in Smart Grids: Pricing Methods and Optimization Algorithms, J.S., Vardakas et al., IEEE Communications Surveys and Tutorials , 2015, DOI: 10.1109/COMST.2014.2341586
	A survey on distributed optimisation approaches and applications in smart grids, H., Wang et al., Journal of Control and Decision , 2019, DOI: 10.1080/23307706.2018.1549516
	A survey on electric power demand forecasting: Future trends in smart grids, microgrids and smart buildings, L., Hernandez et al., IEEE Communications Surveys and Tutorials , 2014, DOI: 10.1109/SURV.2014.032014.00094
	A survey on electric vehicle transportation within smart grid system, N., Shaukat et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.05.092
	A survey on energy trading in smart grid, I.S., Bayram et al., 2014 IEEE Global Conference on Signal and Information Processing, GlobalSIP 2014 , 2014, DOI: 10.1109/GlobalSIP.2014.7032118
	A survey on enhanced smart micro-grid management system with modern wireless technology contribution, L., Tightiz et al., Energies , 2020, DOI: 10.3390/en13092258
	A survey on EPON-based communication networks for smart grid, Z., Sun et al., Advanced Materials Research , 2013, DOI: 10.4028/www.scientific.net/AMR.765-767.2633
	A survey on geographic load balancing based data center power management in the smart grid environment, A., Rahman et al., IEEE Communications Surveys and Tutorials , 2014, DOI: 10.1109/SURV.2013.070813.00183
	A Survey on honeypots, honeynets and their applications on smart grid, C., Dalamagkas et al., Proceedings of the 2019 IEEE Conference on Network Softwarization: Unleashing the Power of Network Softwarization, NetSoft 2019 , 2019, DOI: 10.1109/NETSOFT.201
	A survey on hyperparameters optimization algorithms of forecasting models in smart grid, R., Khalid et al., Sustainable Cities and Society , 2020, DOI: 10.1016/j.scs.2020.102275
	A Survey on Information and Communications Technology Infrastructure for Smart Grids, D.N., Molokomme et al., 2019 IEEE 2nd Wireless Africa Conference, WAC 2019 - Proceedings , 2019, DOI: 10.1109/AFRICA.2019.8843419
	A survey on networks for smart-metering systems, A., Liotta et al., International Journal of Pervasive Computing and Communications , 2012, DOI: 10.1108/17427371211221072
	A survey on security assessment of metering infrastructure in Smart Grid systems, A., Anzalchi et al., Conference Proceedings - IEEE SOUTHEASTCON , 2015, DOI: 10.1109/SECON.2015.7132989
	A Survey on Security Communication and Control for Smart Grids under Malicious Cyber Attacks, C., Peng et al., IEEE Transactions on Systems, Man, and Cybernetics: Systems , 2019, DOI: 10.1109/TSMC.2018.2884952
	A survey on security issues in smart grids, P., Jokar et al., Security and Communication Networks , 2016, DOI: 10.1002/sec.559
	A survey on short-term electricity price prediction models for smart grid applications, J., Vardakas et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2015, DOI: 10.1007/978-3-31
	A survey on smart agent-based microgrids for resilient/self-healing grids, K., Dehghanpour et al., Energies , 2017, DOI: 10.3390/en10050620

	A Survey on Smart Electric Meter Using IOT, M., Dhivya et al., Proceedings of the 3rd International Conference on Communication and Electronics Systems, ICCES 2018 , 2018, DOI: 10.1109/CESYS.2018.8724025
	A survey on smart grid communication infrastructures: Motivations, requirements and challenges, Y., Yan et al., IEEE Communications Surveys and Tutorials , 2013, DOI: 10.1109/SURV.2012.021312.00034
	A survey on smart grid communication system, M., Wen et al., APSIPA Transactions on Signal and Information Processing , 2015, DOI: 10.1017/ATSIP.2015.9
	A survey on smart grid communications: From an architecture overview to standardization activities, P., Chatzimisios et al., Handbook of Green Information and Communication Systems , 2013, DOI: 10.1016/B978-0-12-415844-3.00026-7
	A Survey on Smart Grid Cyber-Physical System Testbeds, M.H., Cintuglu et al., IEEE Communications Surveys and Tutorials , 2017, DOI: 10.1109/COMST.2016.2627399
	A survey on smart grid distributed power flow: IEC61850, IEC 61499 and intelligent controls, G., SatheeshKumar et al., Applied Mechanics and Materials , 2014, DOI: 10.4028/www.scientific.net/AMM.573.346
	A survey on smart grid metering infrastructures: Threats and solutions, R., Mahmud et al., IEEE International Conference on Electro Information Technology , 2015, DOI: 10.1109/EIT.2015.7293374
	A Survey on smart grid potential applications and communication requirements, V., Gungor et al., IEEE Transactions on Industrial Informatics , 2013, DOI: 10.1109/TII.2012.2218253
	A survey on smart grid technologies and applications, G., Dileep et al., Renewable Energy , 2020, DOI: 10.1016/j.renene.2019.08.092
	A survey on smart grid, A., Cecilia et al., 1st International Conference on Emerging Trends in Engineering, Technology and Science, ICETETS 2016 - Proceedings , 2016, DOI: 10.1109/ICETETS.2016.7603069
	A Survey on Smart Grids: Concerns, advances, and trends, P.E., Teixeira Martins et al., 2019 IEEE PES Conference on Innovative Smart Grid Technologies, ISGT Latin America 2019 , 2019, DOI: 10.1109/ISGT-LA.2019.8895296
	A survey on smart metering and smart grid communication, Y., Kabalci et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.12.114
	A survey on smart power grid: frameworks, tools, security issues, and solutions, B.B., Gupta et al., Annales des Telecommunications/Annals of Telecommunications , 2017, DOI: 10.1007/s12243-017-0605-4
	A survey on social media to enhance the cyber-physical-social resilience of smart grid, P.M., Baidya et al., IET Conference Publications , 2019, DOI: 10.1049/cp.2019.0602
	A Survey on Spectrum Sharing Techniques in Cognitive Radio-Based Smart Grids, M., Gupta et al., Lecture Notes on Data Engineering and Communications Technologies , 2020, DOI: 10.1007/978-3-030-44372-6_10
	A survey on state estimation techniques and challenges in smart distribution systems, K., Dehghanpour et al., IEEE Transactions on Smart Grid , 2019, DOI: 10.1109/TSG.2018.2870600
	A survey on the communication architectures in smart grid, W., Wang et al., Computer Networks , 2011, DOI: 10.1016/j.comnet.2011.07.010
	A survey on the contributions of power electronics to smart grid systems, I., Colak et al., Renewable and Sustainable Energy Reviews , 2015, DOI: 10.1016/j.rser.2015.03.031
	A survey on the critical issues in smart grid technologies, I., Colak et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.10.036
	A survey on the cyber attacks against non-linear state estimation in smart grids, J., Wang et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2016, DOI: 10.1007/9

	A Survey on the Detection Algorithms for False Data Injection Attacks in Smart Grids, A.S., Musleh et al., IEEE Transactions on Smart Grid , 2020, DOI: 10.1109/TSG.2019.2949998
	A survey on the development of smart grid in china, N., He et al., 2020 8th International Conference on Orange Technology, ICOT 2020 , 2020, DOI: 10.1109/ICOT51877.2020.9468790
	A survey on the development status and challenges of smart grids in main driver countries, Y., Zhang et al., Renewable and Sustainable Energy Reviews , 2017, DOI: 10.1016/j.rser.2017.05.032
	A survey on the electrification of transportation in a smart grid environment, W., Su et al., IEEE Transactions on Industrial Informatics , 2012, DOI: 10.1109/TII.2011.2172454
	A Survey on Threats and Countermeasures in Smart Meter, S., Pealy et al., 2020 IEEE International Conference on Communication, Networks and Satellite, Comnetsat 2020 - Proceedings , 2020, DOI: 10.1109/Comnetsat50391.2020.9328943
	A survey on visual data representation for smart grids control and monitoring, M.A., Sanchez-Hidalgo et al., Sustainable Energy, Grids and Networks , 2018, DOI: 10.1016/j.segan.2018.09.007
	A survey on vulnerabilities and countermeasures in the communications of the smart grid, Lazaro, Jesus et al., Electronics (Switzerland), 2021, DOI: 10.3390/electronics10161881
	A survey on wireless sensor networks for smart grid, E., Fadel et al., Computer Communications , 2015, DOI: 10.1016/j.comcom.2015.09.006
	A survey seeking a definition of a smart distribution system, H., Brown et al., 41st North American Power Symposium, NAPS 2009 , 2009, DOI: 10.1109/NAPS.2009.5484078
	A survey towards understanding residential prosumers in smart grid neighbourhoods, P.G.D., Silva et al., IEEE PES Innovative Smart Grid Technologies Conference Europe , 2012, DOI: 10.1109/ISGTEurope.2012.6465864
	A Survey: Centralized, Decentralized, and Distributed Control Scheme in Smart Grid Systems, S., Yassine et al., 7th Mediterranean Congress of Telecommunications 2019, CMT 2019 , 2019, DOI: 10.1109/CMT.2019.8931370
	A systematic literature review of electricity distribution in smart grid scenarios, F.D., Ribeiro et al., Renewable Energy and Power Quality Journal , 2020, DOI: 10.24084/repqj18.245
	A systematic literature review of smart grids, Vakulenko, Ihor et al., E3S Web of Conferences, 2021, DOI: 10.1051/e3sconf/202125008006
	A systematic review of data protection and privacy preservation schemes for smart grid communications, M., Ferrag et al., Sustainable Cities and Society , 2018, DOI: 10.1016/j.scs.2017.12.041
	A systematic review of energy management system based on various adaptive controllers with optimization algorithm on a smart microgrid, S., Behera et al., International Transactions on Electrical Energy Systems , 2021, DOI: 10.1002/2050-7038.13132
	A systematic review of environmental and economic impacts of smart grids, M., Moretti et al., Renewable and Sustainable Energy Reviews , 2017, DOI: 10.1016/j.rser.2016.03.039
	A systematic review of supply and demand side optimal load scheduling in a smart grid environment, X., Lu et al., Journal of Cleaner Production , 2018, DOI: 10.1016/j.jclepro.2018.08.301
	A systematic review of the smart energy conservation system: From smart homes to sustainable smart cities, Kim, Hakpyeong et al., Renewable and Sustainable Energy Reviews, 2021, DOI: 10.1016/j.rser.2021.110755
	A technical review on smart grids in India, G., Shamim et al., 2017 4th IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics, UPCON 2017 , 2017, DOI: 10.1109/UPCON.2017.8251125

	AC Recharging Infrastructure for EVs and future smart grids - A review, J., Kirby et al., Proceedings of the Universities Power Engineering Conference , 2012, DOI: 10.1109/UPEC.2012.6398639
	AC, DC, and hybrid control strategies for smart microgrid application: A review, B., Sahoo et al., International Transactions on Electrical Energy Systems , 2021, DOI: 10.1002/2050-7038.12683
	Adapting big data standards, maturity models to smart grid distributed generation: Critical review, A., Sundararajan et al., IET Smart Grid , 2020, DOI: 10.1049/iet-stg.2019.0298
	Advanced distribution measurement technologies and data applications for smart grids: A review, A.E., Saldana-Gonzalez et al., Energies , 2020, DOI: 10.3390/en13143730
	Advanced laboratory testing methods using real-time simulation and hardware-in-the-loop techniques: A survey of smart grid international research facility network activities, J., Montoya et al., Energies , 2020, DOI: 10.3390/en13123267
	Agent-based modelling and simulation of smart electricity grids and markets - A literature review, P., Ringler et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.12.169
	Aggregation of demand side flexibility in a smart grid: A review for European market design, C., Eid et al., International Conference on the European Energy Market, EEM , 2015, DOI: 10.1109/EEM.2015.7216712
	An analytical survey on smart electricity meter using GSM, S., Mendiratta et al., Smart Innovation, Systems and Technologies , 2018, DOI: 10.1007/978-981-10-5547-8_46
	An instrumentation engineer's review on smart grid: Critical applications and parameters, J., Bhatt et al., Renewable and Sustainable Energy Reviews , 2014, DOI: 10.1016/j.rser.2014.07.187
	An integration of smart grids with demand side management and renewable energy: A review, B., Koul et al., International Journal of Mechanical and Production Engineering Research and Development , 2019, DOI: 10.24247/ijmperdaug201986
	An overview of smart grid cyber-security state of the art study, E.Y., Dari et al., Proceedings of 2015 IEEE International Renewable and Sustainable Energy Conference, IRSEC 2015 , 2016, DOI: 10.1109/IRSEC.2015.7455097
	Application and Development Review of Big Data Technology on Smart Grid Demand Side, S., Li et al., APAP 2019 - 8th IEEE International Conference on Advanced Power System Automation and Protection , 2019, DOI: 10.1109/APAP47170.2019.9225058
	Application of advanced communication and control technologies for smart grid: A comprehensive review, S.S., Reddy et al., International Journal of Engineering and Technology(UAE) , 2018, DOI: 10.14419/ijet.v7i3.13704
	Application of Big Data and Machine Learning in Smart Grid, and Associated Security Concerns: A Review, E., Hossain et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2894819
	Applications of multi-Agent systems in smart grids: A survey, G.H., Merabet et al., International Conference on Multimedia Computing and Systems -Proceedings , 2014, DOI: 10.1109/ICMCS.2014.6911384
	Approaches Leading to Different Definitions of Smart Grid: A Review, A., Sharma et al., 2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018 , 2019, DOI: 10.1109/PEEIC.2018.8665663
	Augmenting rooftop solar energy penetration ratio with secondary distribution network using smart inverter for maximum power transfer capacity for subordinate grid-A review, K., Shinde et al., Energy Sources, Part A: Recovery, Utilization and Environment
	Authentication techniques in smart grid: A systematic review, M., Qasaimeh et al., Telkomnika (Telecommunication Computing Electronics and Control) , 2019, DOI: 10.12928/TELKOMNIKA.V17I3.11437
	Benefits and challenges of using smart meters for advancing residential water demand modeling and management: A review, A., Cominola et al., Environmental Modelling and Software , 2015, DOI: 10.1016/j.envsoft.2015.07.012

	Benefits and risks of using blockchain in smart energy: A literature review, E., Erturk et al., Contemporary Management Research , 2019, DOI: 10.7903/cmr.19650
	Big Data Analytics for Smart Grids, the Cyberphysical System in Energy—A Bibliographic Review, S., Mishra et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-981-16-0695-3_42
	Big Data analytics in Smart Grids for renewable energy networks: Systematic review of information and communication technology tools, R.F., Colmenares-Quintero et al., Cogent Engineering , 2021, DOI: 10.1080/23311916.2021.1935410
	Big data analytics in smart grids: a review, Y., Zhang et al., Energy Informatics , 2018, DOI: 10.1186/s42162-018-0007-5
	Big data issues in smart grid – A review, C., Tu et al., Renewable and Sustainable Energy Reviews , 2017, DOI: 10.1016/j.rser.2017.05.134
	Big Data Issues in Smart Grids: A Survey, M., Ghorbanian et al., IEEE Systems Journal , 2019, DOI: 10.1109/JSYST.2019.2931879
	Bio-inspired approaches for smart energy management: State of the art and challenges, T.H., Nguyen et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/su12208495
	Blockchain Applications in Smart Grid-Review and Frameworks, A.S., Musleh et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2920682
	Blockchain for Cybersecurity in Smart Grid: A Comprehensive Survey, P., Zhuang et al., IEEE Transactions on Industrial Informatics , 2021, DOI: 10.1109/TII.2020.2998479
	Blockchain for Future Smart Grid: A Comprehensive Survey, M.B., Mollah et al., IEEE Internet of Things Journal , 2021, DOI: 10.1109/JIOT.2020.2993601
	Blockchain in smart grids: A review on different use cases, T., Alladi et al., Sensors (Switzerland) , 2019, DOI: 10.3390/s19224862
	Blockchain technology in the future smart grids: A comprehensive review and frameworks, Hasankhani, Arezoo et al., International Journal of Electrical Power and Energy Systems, 2021, DOI: 10.1016/j.ijepes.2021.106811
	Building demand response and control methods for smart grids: A review, K., Shan et al., Science and Technology for the Built Environment , 2016, DOI: 10.1080/23744731.2016.1192878
	Cellular Communications for Smart Grid Neighborhood Area Networks: A Survey, C., Kalalas et al., IEEE Access , 2016, DOI: 10.1109/ACCESS.2016.2551978
	Challenges and novel solution for wide-area protection due to renewable sources integration into smart grid: An extensive review, M.M., Eissa et al., IET Renewable Power Generation , 2018, DOI: 10.1049/iet-rpg.2018.5175
	Challenges and opportunities of load frequency control in conventional, modern and future smart power systems: A comprehensive review, H., Haes Alhelou et al., Energies , 2018, DOI: 10.3390/en11102497
	Challenges for Smart Electricity Meters due to Dynamic Power Quality Conditions of the Grid: A Review, Q., Cetina et al., AMPS 2017 - IEEE International Workshop on Applied Measurements for Power Systems, Proceedings , 2017, DOI: 10.1109/AMPS.2017.807834
	Challenges of integrating renewable energy sources to smart grids: A review, D., Eltigani et al., Renewable and Sustainable Energy Reviews , 2015, DOI: 10.1016/j.rser.2015.07.140
	Channel discovery algorithms for interference avoidance in smart grid communication networks: A survey, T.H., Wang et al., Wireless Communications and Mobile Computing , 2016, DOI: 10.1002/wcm.2523
	Charging Schemes for Plug-In Hybrid Electric Vehicles in Smart Grid: A Survey, P.Y., Kong et al., IEEE Access , 2016, DOI: 10.1109/ACCESS.2016.2614689
	Classification of new electricity customers based on surveys and smart metering data, J.L., Viegas et al., Energy , 2016, DOI: 10.1016/j.energy.2016.04.065

	Cloud Computing Applications for Smart Grid: A Survey, S., Bera et al., IEEE Transactions on Parallel and Distributed Systems , 2015, DOI: 10.1109/TPDS.2014.2321378
	Cloud computing for energy management in smart grid - An application survey, P., Naveen et al., IOP Conference Series: Materials Science and Engineering , 2016, DOI: 10.1088/1757-899X/121/1/012010
	Cognitive radio for smart grids: Survey of architectures, spectrum sensing mechanisms, and networking protocols, A., Khan et al., IEEE Communications Surveys and Tutorials , 2016, DOI: 10.1109/COMST.2015.2481722
	Collaborative smart grids – A survey on trends, L.M., Camarinha-Matos et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2016.06.093
	Communication for Distributed Renewable Generations (DRGs): A review on the penetration to Smart Grids (SGs), S.Z., Islam et al., PECon 2012 - 2012 IEEE International Conference on Power and Energy , 2012, DOI: 10.1109/PECon.2012.6450339
	Communication in smart grids: A comprehensive review on the existing and future communication and information infrastructures, M., Ghorbanian et al., IEEE Systems Journal , 2019, DOI: 10.1109/JSYST.2019.2928090
	Communication technologies for smart grid applications: A survey, M., Emmanuel et al., Journal of Network and Computer Applications , 2016, DOI: 10.1016/j.jnca.2016.08.012
	Communications in smart grid: A review with performance, reliability and security consideration, K., Shuaib et al., Journal of Networks , 2013, DOI: 10.4304/jnw.8.6.1229-1240
	Community energy storage, a critical element in smart grid: A review of technology, prospect, challenges and opportunity, J., Sardi et al., 2014 4th International Conference on Engineering Technology and Technopreneuship, ICE2T 2014 , 2015, DOI: 10.1109/
	Comparative Review of Flexible Alternative Current Transmission System Devices in the Smart Grid, F., Liu et al., Proceedings of 2019 IEEE 3rd International Electrical and Energy Conference, CIEEC 2019 , 2019, DOI: 10.1109/CIEEC47146.2019.CIEEC-2019105
	Comparison of LIFI and WIFI and study of smart meter-survey, N.V., Rajeesh Kumar et al., 2017 International Conference on Information Communication and Embedded Systems, ICICES 2017 , 2017, DOI: 10.1109/ICICES.2017.8070715
	Complex Networks Theory for Modern Smart Grid Applications: A Survey, C.C., Chu et al., IEEE Journal on Emerging and Selected Topics in Circuits and Systems , 2017, DOI: 10.1109/JETCAS.2017.2692243
	Comprehensive review of smart grid and its ability for a sustainable power supply in the digital era, A., Zahedi et al., 2019 29th Australasian Universities Power Engineering Conference, AUPEC 2019 , 2019, DOI: 10.1109/AUPEC48547.2019.211888
	Compression of smart meter big data: A survey, L., Wen et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2018.03.088
	Computational awareness for smart grid: A review, C.W., Tsai et al., International Journal of Machine Learning and Cybernetics , 2014, DOI: 10.1007/s13042-013-0185-1
	Computational intelligence approaches for energy load forecasting in smart energy management grids: State of the art, future challenges, and research directions, S.N., Fallah et al., Energies , 2018, DOI: 10.3390/en11030596
	Computational Intelligence Techniques in Smart grid planning and operation: A Survey, P., Verma et al., International Conference on Innovative Smart Grid Technologies, ISGT Asia 2018 , 2018, DOI: 10.1109/ISGT-Asia.2018.8467932
	Computational methods for residential energy cost optimization in smart grids: a survey, M.R., Alam et al., ACM Computing Surveys , 2016, DOI: 10.1145/2897165
	Conservative power theory and its applications in modern smart grid: Review and prospect, Ding, Yong et al., Applied Energy, 2021, DOI: 10.1016/j.apenergy.2021.117617

	Consumer perceptions of smart grid development: Results of a Hong Kong survey and policy implications, D., Mah et al., Energy Policy , 2012, DOI: 10.1016/j.enpol.2012.05.055
	Consumer segmentation and knowledge extraction from smart meter and survey data, T.K., Wijaya et al., SIAM International Conference on Data Mining 2014, SDM 2014 , 2014, DOI: 10.1137/1.9781611973440.26
	Control and protection of hybrid smart-grid power system: A review, R., Sahu et al., Proceedings - 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security, iSSSC 2020 , 2020, DOI: 10.1109/iSSSC50941.2020.9358807
	Control system in the smart grid: State of the art and opportunities, M., Meliani et al., 2020 13th International Colloquium of Logistics and Supply Chain Management, LOGISTIQUA 2020 , 2020, DOI: 10.1109/LOGISTIQUA49782.2020.9353878
	CPS Attacks Mitigation Approaches on Power Electronic Systems with Security Challenges for Smart Grid Applications: A Review, Unknown et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3063229
	Cross-country review of smart grid adoption in residential buildings, J.S., Chou et al., Renewable and Sustainable Energy Reviews , 2015, DOI: 10.1016/j.rser.2015.03.055
	Customer privacy concerns as a barrier to sharing data about energy use in smart local energy systems: A rapid realist review, Vigurs, Carol et al., Energies, 2021, DOI: 10.3390/en14051285
	CVSS Based Attack Analysis Using a Graphical Security Model: Review and Smart Grid Case Study, T., Duy Le et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2021, DOI: 10.1007/978
	Cyber security enhancement of smart grids via machine learning - A review, P.U., Rao et al., 2020 21st National Power Systems Conference, NPSC 2020 , 2020, DOI: 10.1109/NPSC49263.2020.9331859
	Cyber security in the Smart Grid: Survey and challenges, W., Wang et al., Computer Networks , 2013, DOI: 10.1016/j.comnet.2012.12.017
	Cyber–physical security for on-going smart grid initiatives: A survey, M.M., Hossain et al., IET Cyber-Physical Systems: Theory and Applications , 2020, DOI: 10.1049/iet-cps.2019.0039
	Cybersecurity and privacy in standards for smart grids – A comprehensive survey, R., Leszczyna et al., Computer Standards and Interfaces , 2018, DOI: 10.1016/j.csi.2017.09.005
	Cyber-security in smart grid: Survey and challenges, Z.E., Mrabet et al., Computers and Electrical Engineering , 2018, DOI: 10.1016/j.compeleceng.2018.01.015
	Cyber-security of smart microgrids: A survey, F., Nejabatkhah et al., Energies , 2021, DOI: 10.3390/en14010027
	Data Analytics for Price Forecasting in Smart Grids: A Survey, S., Mujeeb et al., Proceedings of the 21st International Multi Topic Conference, INMIC 2018 , 2018, DOI: 10.1109/INMIC.2018.8595571
	Data center energy cost optimization in smart grid: a review, Y., Huang et al., Zhejiang Daxue Xuebao (Gongxue Ban)/Journal of Zhejiang University (Engineering Science) , 2016, DOI: 10.3785/j.issn.1008-973X.2016.12.020
	Data visualization in smart grid and low-carbon energy systems: A review, X., Chen et al., International Transactions on Electrical Energy Systems , 2021, DOI: 10.1002/2050-7038.12889
	Deep Learning in Smart Grid Technology: A Review of Recent Advancements and Future Prospects, M., Massaoudi et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3071269
	Demand response and smart grids - A survey, P., Siano et al., Renewable and Sustainable Energy Reviews , 2014, DOI: 10.1016/j.rser.2013.10.022

	Demand response in smart electricity grids equipped with renewable energy sources: A review, J., Aghaei et al., Renewable and Sustainable Energy Reviews , 2013, DOI: 10.1016/j.rser.2012.09.019
	Demand Side Management challenges in smart grid: A review, Z., Baharlouei et al., Smart Grid Conference 2013, SGC 2013 , 2013, DOI: 10.1109/SGC.2013.6733807
	Demand side management in smart grid: A review and proposals for future direction, L., Gelazanskas et al., Sustainable Cities and Society , 2014, DOI: 10.1016/j.scs.2013.11.001
	Demand-side management in smart electricity grids: A review, B.N., Shwetha et al., International Journal of Intelligent Enterprise , 2021, DOI: 10.1504/IJIE.2021.117989
	Design of automatic power consumption control system using smart grid - A review, P., Sakthivel et al., IEEE WCTFTR 2016 - Proceedings of 2016 World Conference on Futuristic Trends in Research and Innovation for Social Welfare , 2016, DOI: 10.1109/STARTU
	Detecting false data attacks using machine learning techniques in smart grid: A survey, L., Cui et al., Journal of Network and Computer Applications , 2020, DOI: 10.1016/j.jnca.2020.102808
	Detection of Frauds and Other Non-technical Losses in Power Utilities using Smart Meters: A Review, T., Ahmad et al., International Journal of Emerging Electric Power Systems , 2016, DOI: 10.1515/ijeeps-2015-0206
	Detection of non-technical losses in smart distribution networks: A review, A., Fragkioudaki et al., Advances in Intelligent Systems and Computing , 2016, DOI: 10.1007/978-3-319-40159-1_4
	Development and current state of smart grids: A review, K., Nagasaka et al., Journal of Advanced Computational Intelligence and Intelligent Informatics , 2017, DOI: 10.20965/jaciii.2017.p0049
	Development of smart grid system in India: A survey, A., Kovendan et al., Lecture Notes in Electrical Engineering , 2017, DOI: 10.1007/978-981-10-2999-8_23
	Different smart grid frameworks in context of smart neighborhood: A review, D.S., Shafiullah et al., 2017 52nd International Universities Power Engineering Conference, UPEC 2017 , 2017, DOI: 10.1109/UPEC.2017.8231908
	Discussion and Review of the Use of Neural Networks to Improve the Flexibility of Smart Grids in Presence of Distributed Renewable Resources, Z., Hammami et al., Proceedings - 17th IEEE International Conference on Machine Learning and Applications, ICML
	EDGE Computing Application in SMART GRID-A Review, Prajeesha et al., Proceedings of the 2nd International Conference on Electronics and Sustainable Communication Systems, ICESC 2021, 2021, DOI: 10.1109/ICESC51422.2021.9532792
	Editorial: IEEE communications surveys & tutorials special section on energy and smart grid, H., Mohsenian-Rad et al., IEEE Communications Surveys and Tutorials , 2014, DOI: 10.1109/SURV.2014.042914.00001
	Electric (dis) connections: Comparative review of smart grid news coverage in the United States and Canada, A., Mallett et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2017.06.017
	Electric vehicle fleet management in smart grids: A review of services, optimization and control aspects, J., Hu et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.12.014
	Electric vehicles and smart grid interaction: A review on vehicle to grid and renewable energy sources integration, F., Mwasilu et al., Renewable and Sustainable Energy Reviews , 2014, DOI: 10.1016/j.rser.2014.03.031
	Electric vehicles in a smart grid: A comprehensive survey on optimal location of charging station, M., Bilal et al., IET Smart Grid , 2020, DOI: 10.1049/iet-stg.2019.0220
	Electric vehicles in smart grid: A survey on charging load modelling, Y., Xiang et al., IET Smart Grid , 2019, DOI: 10.1049/iet-stg.2018.0053

	Electricity Load and Price Forecasting Using Machine Learning Algorithms in Smart Grid: A Survey, A., Arif et al., <i>Advances in Intelligent Systems and Computing</i> , 2020, DOI: 10.1007/978-3-030-44038-1_43
	Electricity Price and Load Forecasting Using Data Analytics in Smart Grid: A Survey, M., Anwar et al., <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2020, DOI: 10.1007/978-3-030-39746-3_44
	Emergence of energy storage technologies as the solution for reliable operation of smart power systems: A review, S., Koochi-Kamali et al., <i>Renewable and Sustainable Energy Reviews</i> , 2013, DOI: 10.1016/j.rser.2013.03.056
	Emerging challenges in smart grid cybersecurity enhancement: A review, Mohammadi, Fazel et al., <i>Energies</i> , 2021, DOI: 10.3390/en14051380
	Emerging e-practices, information flows and the home: A sociological research agenda on smart energy systems, B.J.M., Van Vliet et al., <i>Power Systems</i> , 2016, DOI: 10.1007/978-3-319-28077-6_14
	Empowering smart grid: A comprehensive review of energy storage technology and application with renewable energy integration, Tan, Kang Miao et al., <i>Journal of Energy Storage</i> , 2021, DOI: 10.1016/j.est.2021.102591
	Enabling Technologies for Smart Energy Management in a Residential Sector: A Review, M., Yadav et al., <i>Lecture Notes in Civil Engineering</i> , 2020, DOI: 10.1007/978-981-15-2545-2_2
	Energy management in the smart grid: State-of-the-art and future trends, M., Meliani et al., <i>International Journal of Engineering Business Management</i> , 2021, DOI: 10.1177/18479790211032920
	Energy Management Strategies for Smart Green MicroGrid Systems: A Systematic Literature Review, C., Essayeh et al., <i>Journal of Electrical and Computer Engineering</i> , 2021, DOI: 10.1155/2021/6675975
	Energy meters evolution in smart grids: A review, D.B., Avancini et al., <i>Journal of Cleaner Production</i> , 2019, DOI: 10.1016/j.jclepro.2019.01.229
	Energy Sustainability-Survey on Technology and Control of Microgrid, Smart Grid and Virtual Power Plant, R., Khan et al., <i>IEEE Access</i> , 2021, DOI: 10.1109/ACCESS.2021.3099941
	Energy-Efficient Information and Communication Infrastructures in the Smart Grid: A Survey on Interactions and Open Issues, M., Erol-Kantarci et al., <i>IEEE Communications Surveys and Tutorials</i> , 2015, DOI: 10.1109/COMST.2014.2341600
	Environmental assessment of pre-feasibility of smart offshore npp (onpp) technology for indonesia: A-review, S., Santosa et al., <i>Journal of Physics: Conference Series</i> , 2020, DOI: 10.1088/1742-6596/1428/1/012011
	Estimation of large-scale solar rooftop PV potential for smart grid integration: A methodological review, D., Assouline et al., <i>Studies in Systems, Decision and Control</i> , 2018, DOI: 10.1007/978-3-319-74412-4_11
	Evolution of dispatchable photovoltaic system integration with the electric power network for smart grid applications: A review, M., Emmanuel et al., <i>Renewable and Sustainable Energy Reviews</i> , 2017, DOI: 10.1016/j.rser.2016.09.010
	Existing Developments in Adaptive Smart Grid Protection: A Review, H., Khalid et al., <i>Electric Power Systems Research</i> , 2021, DOI: 10.1016/j.epsr.2020.106901
	Fault diagnostics in smart micro-grids: A survey, J., Hare et al., <i>Renewable and Sustainable Energy Reviews</i> , 2016, DOI: 10.1016/j.rser.2016.01.122
	Faults classification and identification on smart grid: Part-a status review, T., Hlalele et al., <i>Procedia Manufacturing</i> , 2019, DOI: 10.1016/j.promfg.2019.05.085
	Fiber-wireless for smart grid: A survey, N.A.M., Radzi et al., <i>EPJ Web of Conferences</i> , 2017, DOI: 10.1051/epjconf/201716201021

	Field survey of smart metering implementation using a simple random method: A case study of New Juaben Municipality in Ghana, W., Banuenumah et al., Proceedings - 2017 IEEE PES-IAS PowerAfrica Conference: Harnessing Energy, Information and Communications
	Fostering residential demand response through dynamic pricing schemes: A behavioural review of smart grid pilots in Europe, K., Kessels et al., Sustainability (Switzerland) , 2016, DOI: 10.3390/su8090929
	From smart energy community to smart energy municipalities: Literature review, agendas and pathways, F., Ceglia et al., Journal of Cleaner Production , 2020, DOI: 10.1016/j.jclepro.2020.120118
	Future effectual role of energy delivery: A comprehensive review of Internet of Things and smart grid, S.S., Reka et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2018.03.089
	Future generation 5G wireless networks for smart grid: A comprehensive review, S., Sofana Reka et al., Energies , 2019, DOI: 10.3390/en12112140
	High-speed narrowband PLC in Smart Grid landscape - State-of-the-art, A., Haidine et al., 2011 IEEE International Symposium on Power Line Communications and Its Applications, ISPLC 2011 , 2011, DOI: 10.1109/ISPLC.2011.5764443
	Holonic structure: A state-of-the-art control architecture based on multi-agent systems for optimal reactive power dispatch in smart grids, J., Ansari et al., IET Generation, Transmission and Distribution , 2015, DOI: 10.1049/iet-gtd.2014.1183
	Home energy management systems in future Smart Grid networks : A systematic review, K., Patel et al., Proceedings on 2015 1st International Conference on Next Generation Computing Technologies, NGCT 2015 , 2016, DOI: 10.1109/NGCT.2015.7375165
	How is value created and captured in smart grids? A review of the literature and an analysis of pilot projects, E., Niesten et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.08.069
	How smart meter data analysis can support understanding the impact of occupant behavior on building energy performance: a comprehensive review, Adams, Jacqueline Nicole et al., Energies, 2021, DOI: 10.3390/en14092502
	HSIC Bottleneck Based Distributed Deep Learning Model for Load Forecasting in Smart Grid with a Comprehensive Survey, M., Akhtaruzzaman et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3040083
	Impact Analysis of Cyber Attacks on Smart Grid: A Review and Case Study, T.O., Olowu et al., Energy, Environment, and Sustainability , 2021, DOI: 10.1007/978-981-16-0594-9_3
	Implementation of big data and machine learning in smart grid with correlated safety considerations: Review, S.D., Solanki et al., Proceedings - 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security, iSSSC 2020 , 2
	Impulsive noise survey on Power Line Communication networks up to 125 kHz for smart metering infrastructure in systems with solar inverters in Turkey, M., Sonmez et al., Proceedings of 2013 International Conference on Renewable Energy Research and Applic
	Incentive-compatible demand-side management for smart grids based on review strategies, J., Xu et al., Eurasip Journal on Advances in Signal Processing , 2015, DOI: 10.1186/s13634-015-0235-9
	Increasing Penetration of DERs in Smart Grid Framework: A State-of-the-Art Review on Challenges, Mitigation Techniques and Role of Smart Inverters, S.K., Wankhede et al., Journal of Circuits, Systems and Computers , 2020, DOI: 10.1142/S0218126620300147
	Influencing household energy practices: a critical review of UK smart metering standards and commercial feedback devices, M., Pullinger et al., Technology Analysis and Strategic Management , 2014, DOI: 10.1080/09537325.2014.977245

	Information Security in the Smart Grid: Survey and Challenges, F., Wang et al., Communications in Computer and Information Science , 2018, DOI: 10.1007/978-981-13-0893-2_7
	Infrastructure and applications of Internet of Things in smart grids: A survey, R., Bikmetov et al., 2017 North American Power Symposium, NAPS 2017 , 2017, DOI: 10.1109/NAPS.2017.8107283
	Infrastructure of South Korean Electric Power System and Potential Barriers for the Implementation of Smart Grid:A Review, F., Ali et al., 3rd International Conference on Innovative Computing, ICIC 2019 , 2019, DOI: 10.1109/ICIC48496.2019.8966687
	Initial survey of smart grid activities in the Norwegian energy sector - Use cases, industrial challenges and implications for research, T.D., Oyetoyan et al., 2012 1st International Workshop on Software Engineering Challenges for the Smart Grid, SE-Smar
	Institutional diversity, policy niches, and smart grids: A review of the evolution of Smart Grid policy and practice in Ontario, Canada, M., Winfield et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.06.014
	Integrated energy systems of data centers and smart grids: State-of-the-art and future opportunities, Guo, Caishan et al., Applied Energy, 2021, DOI: 10.1016/j.apenergy.2021.117474
	Integrating artificial intelligence and analytics in smart grids: a systematic literature review, F., Khosrojerdi et al., International Journal of Energy Sector Management , 2021, DOI: 10.1108/IJESM-06-2020-0011
	Integration of 5G technologies in smart grid communication: A short survey, Y.J., Chandrasekaran et al., International Journal of Renewable Energy Development , 2019, DOI: 10.14710/ijred.8.3.275-283
	Integration of electric vehicles in smart grid: A review on vehicle to grid technologies and optimization techniques, K., Tan et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.09.012
	Integration of electric vehicles into a smart power grid: A technical review, F., Khosrojerdi et al., 2016 IEEE Electrical Power and Energy Conference, EPEC 2016 , 2016, DOI: 10.1109/EPEC.2016.7771784
	Integration of Plug-in Electric Vehicles in Smart Grid: A Review, K.M., Bhargavi et al., 2020 International Conference on Power Electronics and IoT Applications in Renewable Energy and its Control, PARC 2020 , 2020, DOI: 10.1109/PARC49193.2020.236595
	Intelligent buildings in smart grids: A survey on security and privacy issues related to energy management, Llaria, Alvaro et al., Energies, 2021, DOI: 10.3390/en14092733
	Intelligent communication techniques for smart grid systems: A survey, Colak, Ayse et al., 9th International Conference on Smart Grid, icSmartGrid 2021, 2021, DOI: 10.1109/icSmartGrid52357.2021.9551027
	Intelligent demand response approach in smart distribution systems: A review, A., Saklani et al., 2012 Annual IEEE India Conference, INDICON 2012 , 2012, DOI: 10.1109/INDCON.2012.6420773
	Key Management Systems for Smart Grid Advanced Metering Infrastructure: A Survey, A., Ghosal et al., IEEE Communications Surveys and Tutorials , 2019, DOI: 10.1109/COMST.2019.2907650
	Load forecasting, dynamic pricing and DSM in smart grid: A review, A.R., Khan et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.10.117
	Load Management Framework in Smart Grids: A Meta-Analysis and Review, E., Jabandzic et al., IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India) , 2021, DOI: 10.1080/02564602.2021.1906338
	LTE and Wi-Fi Coexistence in Unlicensed Spectrum with Application to Smart Grid: A Review, Y., Mekonnen et al., Proceedings of the IEEE Power Engineering Society Transmission and Distribution Conference , 2018, DOI: 10.1109/TDC.2018.8440431

	Machine learning on sustainable energy: A review and outlook on renewable energy systems, catalysis, smart grid and energy storage, Rangel-Martinez, Daniel and et al., Chemical Engineering Research and Design, 2021, DOI: 10.1016/j.cherd.2021.08.013
	Managing Electric Vehicles in the Smart Grid Using Artificial Intelligence: A Survey, E., Rigas et al., IEEE Transactions on Intelligent Transportation Systems , 2015, DOI: 10.1109/TITS.2014.2376873
	Measurable challenges in smart grid cybersecurity enhancement: A brief review, Ullah, S. M.Safayet et al., IEEE Green Technologies Conference, 2021, DOI: 10.1109/GreenTech48523.2021.00060
	Measurement and monitoring of overhead transmission line sag in smart grid: A review, A.U., Mahin et al., IET Generation, Transmission and Distribution , 2021, DOI: 10.1049/gtd2.12271
	Metaheuristic search in smart grid: A review with emphasis on planning, scheduling and power flow optimization applications, Papadimitrakis, M. et al., Renewable and Sustainable Energy Reviews, 2021, DOI: 10.1016/j.rser.2021.111072
	Middleware architectures for the smart grid: A survey on the state-of-the-art, taxonomy and main open issues, J., Rodriguez-Molina et al., IEEE Communications Surveys and Tutorials , 2018, DOI: 10.1109/COMST.2018.2846284
	Middleware architectures for the smart grid: Survey and challenges in the foreseeable future, J.F., Martinez et al., Energies , 2013, DOI: 10.3390/en6073593
	Mobile apps meet the smart energy grid: A survey on consumer engagement and Machine Learning applications, S., Chadoulos et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3042758
	Modeling and Analysis of Energy Harvesting and Smart Grid-Powered Wireless Communication Networks: A Contemporary Survey, S., Hu et al., IEEE Transactions on Green Communications and Networking , 2020, DOI: 10.1109/TGCN.2020.2988270
	Multi-Level Energy Management Systems Toward a Smarter Grid: A Review, S., Hussain et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3078082
	Neural networks for online learning of non-stationary data streams: a review and application for smart grids flexibility improvement, Z., Hammami et al., Artificial Intelligence Review , 2020, DOI: 10.1007/s10462-020-09844-3
	Non-isolated high gain DC-DC converter for smart grid-A review, J., Divya Navamani et al., Journal of Physics: Conference Series , 2018, DOI: 10.1088/1742-6596/1000/1/012061
	Novel exertion of intelligent static compensator based smart inverters for ancillary services in a distribution utility network-review, S.S., Rangarajan et al., Electronics (Switzerland) , 2020, DOI: 10.3390/electronics9040662
	Novel Utilization of Phasor Measurement Units (PMU) in Smart Grid Restoration: A Brief Survey, S., S Rangarajan et al., Lecture Notes in Electrical Engineering , 2021, DOI: 10.1007/978-981-15-7675-1_43
	On heat pumps in smart grids: A review, D., Fischer et al., Renewable and Sustainable Energy Reviews , 2017, DOI: 10.1016/j.rser.2016.11.182
	On the application of multi-agent systems in buildings for improved building operations, performance and smart grid interaction - A survey, T., Labeodan et al., Renewable and Sustainable Energy Reviews , 2015, DOI: 10.1016/j.rser.2015.05.081
	Onboard DC grid employing smart grid technology: Challenges, state of the art and future prospects, F.D., Kanellos et al., IET Electrical Systems in Transportation , 2015, DOI: 10.1049/iet-est.2013.0056
	On-line voltage stability monitoring and control in smart grid - A survey, P., Sahu et al., 2015 IEEE UP Section Conference on Electrical Computer and Electronics, UPCON 2015 , 2016, DOI: 10.1109/UPCON.2015.7456714
	Optimal Energy Storage Allocation in Smart Distribution Systems: A Review, V., Pattanaik et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-981-16-0695-3_52

	Optimal management of energy hubs and smart energy hubs – A review, M., Mohammadi et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2018.02.035
	Optimal operation of smart distribution networks: A review of models, methods and future research, V.A., Evangelopoulos et al., Electric Power Systems Research , 2016, DOI: 10.1016/j.epsr.2016.06.035
	Optimal PMU placement in a smart grid: An updated review, M., Sefid et al., International Journal of Smart Grid and Clean Energy , 2019, DOI: 10.12720/sgce.8.1.59-69
	Optimization based individual and cooperative DSM in Smart Grids: A review, Z.A., Khan et al., 2015 Power Generation Systems and Renewable Energy Technologies, PGSRET 2015 , 2015, DOI: 10.1109/PGSRET.2015.7312239
	Optimization models for power systems in the evolution to smart grids: A review, J., Tello-Maita et al., DYNA (Colombia) , 2017, DOI: 10.15446/dyna.v84n202.63354
	Peer to peer distributed energy trading in smart grids: A survey, J., Abdella et al., Energies , 2018, DOI: 10.3390/en11061560
	Photovoltaic electricity generator dynamic modeling methods for smart grid applications: A review, S., Koohi-Kamali et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.12.137
	Plug-in electric vehicle batteries degradation modeling for smart grid studies: Review, assessment and conceptual framework, A., Ahmadian et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.06.067
	Power electronic systems as a crucial part of Smart Grid infrastructure - A survey, G., Benysek et al., Bulletin of the Polish Academy of Sciences: Technical Sciences , 2011, DOI: 10.2478/v10175-011-0058-2
	Power line communication technologies for smart grid applications: A review of advances and challenges, M., Yigit et al., Computer Networks , 2014, DOI: 10.1016/j.comnet.2014.06.005
	Power quality improvement in smart grids using electric vehicles: A review, A., Ahmadi et al., IET Electrical Systems in Transportation , 2019, DOI: 10.1049/iet-est.2018.5023
	Power systems automation, communication, and information technologies for smart grid: A technical aspects review, Kulkarni, Vikram et al., Telkomnika (Telecommunication Computing Electronics and Control), 2021, DOI: 10.12928/TELKOMNIKA.v19i3.16428
	Preferred attributes of home energy management products for smart grids - Results of a design study and related user survey, U., Obinna et al., Journal of Design Research , 2018, DOI: 10.1504/JDR.2018.092809
	Prevailing and emerging cyber threats and security practices in IoT-Enabled smart grids: A survey, A., Gupta et al., Journal of Network and Computer Applications , 2019, DOI: 10.1016/j.jnca.2019.01.012
	Privacy preservation for V2G networks in smart grid: A survey, W., Han et al., Computer Communications , 2016, DOI: 10.1016/j.comcom.2016.06.006
	Privacy-aware smart metering: A survey, S., Finster et al., IEEE Communications Surveys and Tutorials , 2014, DOI: 10.1109/SURV.2014.052914.00090
	Privacy-aware smart metering: A survey, S., Finster et al., IEEE Communications Surveys and Tutorials , 2015, DOI: 10.1109/COMST.2015.2425958
	Privacy-preserving metering in smart grid for billing, operational metering, and incentive-based schemes: A survey, S., Sultan et al., Computers and Security , 2019, DOI: 10.1016/j.cose.2019.03.014
	Prosumer communities and relationships in smart grids: A literature review, evolution and future directions, E., Espe et al., Energies , 2018, DOI: 10.3390/en11102528
	Prosumer in smart grids based on intelligent edge computing: A review on Artificial Intelligence Scheduling Techniques, S., Ben Slama et al., Ain Shams Engineering Journal , 2021, DOI: 10.1016/j.asej.2021.05.018

	Protection techniques with renewable resources and smart grids - A survey, M., Eissa et al., Renewable and Sustainable Energy Reviews , 2015, DOI: 10.1016/j.rser.2015.08.031
	Recent advances in communication technologies for smart grid application: A review, C., Pirak et al., 2014 International Electrical Engineering Congress, iEECON 2014 , 2014, DOI: 10.1109/iEECON.2014.6925952
	Recent Challenges and Methodologies in Smart Grid Demand Side Management: State-of-the-Art Literature Review, T., Nasir et al., Mathematical Problems in Engineering , 2021, DOI: 10.1155/2021/5821301
	Recent Control and Integration Issue of Distributed Energy Resources in Smart Microgrid: A Review, H., Prasad et al., Proceeding - 1st International Conference on Innovative Trends and Advances in Engineering and Technology, ICITAET 2019 , 2019, DOI: 10.
	Recent development in smart grid authentication approaches: A systematic literature review, M., Qasaimeh et al., Cybernetics and Information Technologies , 2019, DOI: 10.2478/CAIT-2019-0002
	Reducing voltage and frequency fluctuations in power systems using smart power electronics technologies: A review, Colak, Alperen et al., 9th International Conference on Smart Grid, icSmartGrid 2021, 2021, DOI: 10.1109/icSmartGrid52357.2021.9551248
	Requirements, Design Challenges, and Review of Routing and MAC Protocols for CR-Based Smart Grid Systems, A.A., Khan et al., IEEE Communications Magazine , 2017, DOI: 10.1109/MCOM.2017.1500744
	Research issues related to cryptography algorithms and key generation for smart grid: A survey, A., Kumar et al., India International Conference on Power Electronics, IICPE , 2016, DOI: 10.1109/IICPE.2016.8079528
	Research on consumers' response characteristics and ability under smart grid: A literatures survey, B., Wang et al., Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering , 2014, DOI: 10.13334/j.0258-8013.pcsee.2014.2
	Research review on big data of the smart grid, X., Zhou et al., Proceedings of 2018 IEEE International Conference on Mechatronics and Automation, ICMA 2018 , 2018, DOI: 10.1109/ICMA.2018.8484637
	Research review on smart distribution grid, X., Zhou et al., 2016 IEEE International Conference on Mechatronics and Automation, IEEE ICMA 2016 , 2016, DOI: 10.1109/ICMA.2016.7558627
	Research review on the smart distribution grid, Z., Gao et al., Proceedings of 2018 IEEE International Conference on Mechatronics and Automation, ICMA 2018 , 2018, DOI: 10.1109/ICMA.2018.8484550
	Resilience and Security: A Qualitative Survey of Urban Smart Grid Architectures, P., Eder-Neuhauser et al., IEEE Access , 2016, DOI: 10.1109/ACCESS.2016.2531279
	Resilient communication for smart grid ubiquitous sensor network: State of the art and prospects for next generation, Y., Tsado et al., Computer Communications , 2015, DOI: 10.1016/j.comcom.2015.05.015
	Review analysis on cloud computing based smart grid technology in the oil pipeline sensor network system, E.B., Priyanka et al., Petroleum Research , 2021, DOI: 10.1016/j.ptlrs.2020.10.001
	Review and application of situation awareness key technologies for smart grid, Z., Dong et al., 2017 IEEE Conference on Energy Internet and Energy System Integration, EI2 2017 - Proceedings , 2017, DOI: 10.1109/EI2.2017.8245450
	Review and classification of barriers and enablers of demand response in the smart grid, N., Good et al., Renewable and Sustainable Energy Reviews , 2017, DOI: 10.1016/j.rser.2017.01.043

	Review and evaluation of security threats on the communication networks in the smart grid, Z., Lu et al., Proceedings - IEEE Military Communications Conference MILCOM , 2010, DOI: 10.1109/MILCOM.2010.5679551
	Review and prospect of ubiquitous power internet of things in smart distribution system, Y., Zhang et al., Dianli Jianshe/Electric Power Construction , 2019, DOI: 10.3969/j.issn.1000-7229.2019.06.001
	Review and retrofitted architectures to form reliable smart microgrid networks for urban buildings, Y.V.P., Kumar et al., IET Networks , 2015, DOI: 10.1049/iet-net.2015.0023
	Review of Application of Optimization Techniques in Smart Grids, M., Mainul Islam et al., 2018 2nd International Conference On Electrical Engineering, EECon 2018 , 2018, DOI: 10.1109/EECon.2018.8541016
	Review of Challenges and Research Opportunities for Voltage Control in Smart Grids, H., Sun et al., IEEE Transactions on Power Systems , 2019, DOI: 10.1109/TPWRS.2019.2897948
	Review of Congestion Management Methods from Conventional to Smart Grid Scenario, S., Gumpu et al., International Journal of Emerging Electric Power Systems , 2019, DOI: 10.1515/ijeeps-2018-0265
	Review of control strategies for voltage regulation of the smart distribution network with high penetration of renewable distributed generation, N., Mahmud et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2016.06.030
	Review of Control Technology on Smart Grid, Elaydi, Hatem et al., 2021 International Conference on Electric Power Engineering - Palestine, ICEPE-P 2021, 2021, DOI: 10.1109/ICEPE-P51568.2021.9423478
	Review of Cyber-Physical Attacks and Counter Defense Mechanisms for Advanced Metering Infrastructure in Smart Grid, L., Wei et al., Proceedings of the IEEE Power Engineering Society Transmission and Distribution Conference , 2018, DOI: 10.1109/TDC.2018.8
	Review of cyber-physical attacks in smart grids: A system-theoretic perspective, Liberati, Francesco et al., Electronics (Switzerland), 2021, DOI: 10.3390/electronics10101153
	Review of cyber-security challenges and measures in smart substation, J., Cai et al., 2016 International Conference on Smart Grid and Clean Energy Technologies, ICSGCE 2016 , 2017, DOI: 10.1109/ICSGCE.2016.7876027
	Review of DC technology in future smart distribution grid, W., Zhang et al., 2012 IEEE Innovative Smart Grid Technologies - Asia, ISGT Asia 2012 , 2012, DOI: 10.1109/ISGT-Asia.2012.6303248
	Review of demand response under smart grid paradigm, V., Balijepalli et al., 2011 IEEE PES International Conference on Innovative Smart Grid Technologies-India, ISGT India 2011 , 2011, DOI: 10.1109/ISET-India.2011.6145388
	Review of detection, assessment and mitigation of security risk in smart grid, V., Dehalwar et al., 2017 2nd International Conference on Power and Renewable Energy, ICPRE 2017 , 2018, DOI: 10.1109/ICPRE.2017.8390698
	Review of Diverse Types of Fault, Their Impacts, and Their Solutions in Smart Grid, M., Mousa et al., Conference Proceedings - IEEE SOUTHEASTCON , 2019, DOI: 10.1109/SoutheastCon42311.2019.9020355
	Review of Electric Spring: A new smart grid device for efficient demand dispatch and active and reactive power control, M.D., Solanki et al., Clemson University Power Systems Conference, PSC 2016 , 2016, DOI: 10.1109/PSC.2016.7462864
	Review of FACTS technologies and applications for power quality in smart grids with renewable energy systems, F.H., Gandoman et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.09.062
	Review of flexible AC transmission systems; Enabling technologies for future smart grids, A., Abu-Siada et al., International Conference on High Voltage Engineering and Power Systems, ICHVEPS 2017 - Proceeding , 2017, DOI: 10.1109/ICHVEPS.2017.8225856

	Review of IEC/EN Standards for Data Exchange between Smart Meters and Devices, E., Zountouridou et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2011, DOI: 10.1007/978-3-642-193
	Review of IEEE 802.22 and IEC 61850 for real-time communication in Smart Grid, V., Dehalwar et al., 2015 International Conference on Computing and Network Communications, CoCoNet 2015 , 2016, DOI: 10.1109/CoCoNet.2015.7411245
	Review of information and communication technologies for smart micro-grid automation, D., Dharshana et al., 2017 7th International Conference on Power Systems, ICPS 2017 , 2018, DOI: 10.1109/ICPES.2017.8387406
	Review of Islanding Detection Parameters in Smart Grids, C.R., Reddy et al., 8th International Conference on Smart Grid, icSmartGrid 2020 , 2020, DOI: 10.1109/icSmartGrid49881.2020.9144923
	Review of load data analytics using deep learning in smart grids: Open load datasets, methodologies, and application challenges, Elahe, Md Fazla et al., International Journal of Energy Research, 2021, DOI: 10.1002/er.6745
	Review of machine to machine communication in smart grid, V., Dehalwar et al., 2016 International Conference on Smart Grid and Clean Energy Technologies, ICSGCE 2016 , 2017, DOI: 10.1109/ICSGCE.2016.7876040
	Review of modular power converters solutions for smart transformer in distribution system, R., Pena-Alzola et al., 2013 IEEE Energy Conversion Congress and Exposition, ECCE 2013 , 2013, DOI: 10.1109/ECCE.2013.6646726
	Review of NILM applications in smart grids: Power quality assessment and assisted independent living, P.G., Donato et al., 2020 Argentine Conference on Automatic Control, AADECA 2020 , 2020, DOI: 10.23919/AADECA49780.2020.9301641
	Review of one-time signatures for multicast authentication in smart grid, C., Ji et al., 2015 12th International Conference and Expo on Emerging Technologies for a Smarter World, CEWIT 2015 , 2015, DOI: 10.1109/CEWIT.2015.7338162
	Review of Power Spatio-Temporal Big Data Technologies for Mobile Computing in Smart Grid, Y., Ma et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2957181
	Review of reliability evaluation methods for the smart grid considering the interaction between wind power and flexible demand resources, Y., Ding et al., Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Electrical Engineering , 201
	Review of results on smart-meter privacy by data manipulation, demand shaping, and load scheduling, F., Farokhi et al., IET Smart Grid , 2020, DOI: 10.1049/iet-stg.2020.0129
	Review of Several Address Assignment Mechanisms for Distributed Smart Meter Deployment in Smart Grid, T.W., Sung et al., Advances in Intelligent Systems and Computing , 2021, DOI: 10.1007/978-3-030-58669-0_15
	Review of Smart and Innovative Energy Storage Systems, F., Nadeem et al., Proceedings - International Conference on Vision Towards Emerging Trends in Communication and Networking, ViTECoN 2019 , 2019, DOI: 10.1109/ViTECoN.2019.8899397
	Review of Smart Grid comprehensive assessment systems, Q., Sun et al., Energy Procedia , 2011, DOI: 10.1016/j.egypro.2011.10.031
	Review of smart grid demand response with clean energy access, Z.Q., Wang et al., Applied Mechanics and Materials , 2014, DOI: 10.4028/www.scientific.net/AMM.446-447.847
	Review of smart grid development in China, Y., Juan et al., Applied Mechanics and Materials , 2013, DOI: 10.4028/www.scientific.net/AMM.291-294.2075
	Review of smart grid requirements and design standards for future Naval vessels, S., Nadarajan et al., IEEE International Conference on Sustainable Energy Technologies, ICSET , 2017, DOI: 10.1109/ICSET.2016.7811806

	Review of smart grid systems' requirements, H., Baitie et al., 2015 10th International Conference on Ecological Vehicles and Renewable Energies, EVER 2015 , 2015, DOI: 10.1109/EVER.2015.7113004
	Review of Smart Meter Data Analytics: Applications, Methodologies, and Challenges, Y., Wang et al., IEEE Transactions on Smart Grid , 2019, DOI: 10.1109/TSG.2018.2818167
	Review of stochastic optimization methods for smart grid, S.S., Reddy et al., Frontiers in Energy , 2017, DOI: 10.1007/s11708-017-0457-7
	Review of studies and operational experiences of PV hosting capacity improvement by smart inverters, R.K., Varma et al., 2020 IEEE Electric Power and Energy Conference, EPEC 2020 , 2020, DOI: 10.1109/EPEC48502.2020.9320116
	Review of trends and challenges in smart grids: An automation point of view, T., Strasser et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2013, DOI: 10.1007/97
	Review of urban energy transition in the Netherlands and the role of smart energy management, van Leeuwen R.P. et al., Energy Conversion and Management , 2017, DOI: 10.1016/j.enconman.2017.05.081
	Review of various modeling techniques for the detection of electricity theft in smart grid environment, T., Ahmad et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.10.040
	Review of web-based information security threats in smart grid, V., Dehalwar et al., 2017 7th International Conference on Power Systems, ICPS 2017 , 2018, DOI: 10.1109/ICPES.2017.8387407
	Review of zonal-voltage control techniques of smart distribution system, W., Zhang et al., Dianli Xitong Baohu yu Kongzhi/Power System Protection and Control , 2017, DOI: 10.7667/PSPC152252
	Review on AMI technology for Smart Meter, S., Nimbargi et al., 2016 IEEE International Conference on Advances in Electronics, Communication and Computer Technology, ICAECCT 2016 , 2017, DOI: 10.1109/ICAECCT.2016.7942549
	Review on consumers' privacy and economic value acceptance in smart grid implementation, A.H., Ariffin et al., Journal of Environmental Biology , 2020, DOI: 10.14445/22315381/IJETT-AIIC104
	Review on cyber-physical security of the smart grid: Attacks and defense mechanisms, K., Tazi et al., Proceedings of 2015 IEEE International Renewable and Sustainable Energy Conference, IRSEC 2015 , 2016, DOI: 10.1109/IRSEC.2015.7455127
	Review on Implementation of Power Line Carrier Communication Technique in Smart Grid, N.I., Bhojar et al., Proceedings - 2018 International Conference on Smart Electric Drives and Power System, ICSEDPS 2018 , 2018, DOI: 10.1109/ICSEDPS.2018.8536074
	Review on key technologies of smart power utilization for renewable energy integration, B., Wang et al., Dianwang Jishu/Power System Technology , 2016, DOI: 10.13335/j.1000-3673.pst.2016.12.036
	Review on operation and maintenance management technology of smart photovoltaic micro grid in plateau cold area, Z., Pu et al., IOP Conference Series: Earth and Environmental Science , 2020, DOI: 10.1088/1755-1315/514/4/042074
	Review on operation and planning of distribution network in background of smart power utilization technology, L., Ye et al., Dianli Zidonghua Shebei/Electric Power Automation Equipment , 2018, DOI: 10.16081/j.issn.1006-6047.2018.05.023
	Review on Smart Energy & Congestion Management in Distributed Generation System using IoT, M., Malleswararao et al., Proceedings of the 5th International Conference on Inventive Computation Technologies, ICICT 2020 , 2020, DOI: 10.1109/ICICT48043.2020.91
	Review on smart energy meter for low cost design, P., Ezhilarasi et al., Proceedings - 2019 5th International Conference on Computing, Communication Control and Automation, ICCUBEA 2019 , 2019, DOI: 10.1109/ICCUBEA47591.2019.9128805

	Review on Smart Grid Communication Technologies, J.M., Anita et al., Proceedings of 2019 International Conference on Computational Intelligence and Knowledge Economy, ICCIKE 2019 , 2019, DOI: 10.1109/ICCIKE47802.2019.9004389
	Review on smart grid control and reliability in presence of renewable energies: Challenges and prospects, M., Ourahou et al., Mathematics and Computers in Simulation , 2020, DOI: 10.1016/j.matcom.2018.11.009
	Review on Smart Meter Data Clustering and Demand Response Analytics, Y., Chen et al., Asia-Pacific Power and Energy Engineering Conference, APPEEC , 2020, DOI: 10.1109/APPEEC48164.2020.9220376
	Review on Smart Power Flow Controller for Electric Vehicle Connected to Smart Grid, Neha et al., 1st IEEE International Conference on Sustainable Energy Technologies and Systems, ICSETS 2019 , 2019, DOI: 10.1109/ICSETS.2019.8745040
	Review on vehicle-to-grid systems: The most recent trends and smart grid interaction technologies, M., Sarp et al., Gazi University Journal of Science , 2020, DOI: 10.35378/gujs.554206
	Review: Home energy management system in a Smart Grid scheme to improve reliability of power systems, B., Hartono et al., IOP Conference Series: Earth and Environmental Science , 2018, DOI: 10.1088/1755-1315/105/1/012081
	Rural smart grids: Planning, operation and control review, I., Zubia et al., Renewable Energy and Power Quality Journal , 2013, DOI: 10.24084/repqj11.544
	Sample survey of smart grid approaches and technology gap analysis, G., Reed et al., IEEE PES Innovative Smart Grid Technologies Conference Europe, ISGT Europe , 2010, DOI: 10.1109/ISGTEUROPE.2010.5638893
	Scalability for Smart Infrastructure System in Smart Grid: A Survey, S., Ma et al., Wireless Personal Communications , 2018, DOI: 10.1007/s11277-017-5045-y
	Scalable pathways to net zero carbon in the UK higher education sector: A systematic review of smart energy systems in university campuses, Kourgiouzou, Vasiliki et al., Renewable and Sustainable Energy Reviews, 2021, DOI: 10.1016/j.rser.2021.111234
	Securing the smart grid network: A review, G., Edwin Prem Kumar et al., 2016 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2016 , 2017, DOI: 10.1109/ICCIC.2016.7919570
	Security and privacy considerations for IoT application on smart grids: Survey and research challenges, F., Dalipi et al., Proceedings - 2016 4th International Conference on Future Internet of Things and Cloud Workshops, W-FiCloud 2016 , 2016, DOI: 10.11
	Security aspects of Internet of Things aided smart grids: A bibliometric survey, Sakhnini, Jacob et al., Internet of Things (Netherlands), 2021, DOI: 10.1016/j.iot.2019.100111
	Security assessment of the smart grid: A Review focusing on the NAN architecture, O., Alimi et al., IEEE International Conference on Adaptive Science and Technology, ICAST , 2018, DOI: 10.1109/ICASTECH.2018.8506847
	Series active conditioners for reliable Smart grid: A comprehensive review, A., Javadi et al., IECON Proceedings (Industrial Electronics Conference) , 2012, DOI: 10.1109/IECON.2012.6389016
	Simulation-based approaches for design of smart energy system: A review applying bibliometric analysis, Y., Kikuchi et al., Journal of Chemical Engineering of Japan , 2017, DOI: 10.1252/jcej.16we374
	Situational awareness architecture for smart grids developed in accordance with dispatcher's thought process: a review, Y.b., Liu et al., Frontiers of Information Technology and Electronic Engineering , 2016, DOI: 10.1631/FITEE.1601516
	Sizing and applications of battery energy storage technologies in smart grid system: A review, M., Sufyan et al., Journal of Renewable and Sustainable Energy , 2019, DOI: 10.1063/1.5063866
	Smart and adaptive protection scheme for distribution network with distributed generation: A scoping review, N., Bari et al., 2016 International Conference on Energy Efficient Technologies for Sustainability, ICEETS 2016 , 2016, DOI: 10.1109/ICEETS.2016.

	Smart and intelligent energy monitoring systems: A comprehensive literature survey and future research guidelines, Hussain, Tanveer et al., International Journal of Energy Research, 2021, DOI: 10.1002/er.6093
	Smart City Transportation: A Multidisciplinary Literature Review, J., Legaspi et al., IEEE Transactions on Systems, Man, and Cybernetics: Systems , 2020, DOI: 10.1109/SMC42975.2020.9283471
	Smart consumer load balancing: State of the art and an empirical evaluation in the Spanish electricity market, M., Vasirani et al., Artificial Intelligence Review , 2013, DOI: 10.1007/s10462-012-9391-6
	Smart distribution networks: A review of modern distribution concepts from a planning perspective, S., Kazmi et al., Energies , 2017, DOI: 10.3390/en10040501
	Smart electrical grids based on cloud, IoT, and big data technologies: state of the art, Rabie, Asmaa H. et al., Journal of Ambient Intelligence and Humanized Computing, 2021, DOI: 10.1007/s12652-020-02685-6
	Smart electricity meter data analytics: A brief review, S., Pawar et al., TENSYPMP 2017 - IEEE International Symposium on Technologies for Smart Cities , 2017, DOI: 10.1109/TENCONSpring.2017.8070097
	Smart Electricity Meter Data Intelligence for Future Energy Systems: A Survey, D., Alahakoon et al., IEEE Transactions on Industrial Informatics , 2016, DOI: 10.1109/TII.2015.2414355
	Smart energy community: A systematic review with metanalysis, de Sao Jose, Debora et al., Energy Strategy Reviews, 2021, DOI: 10.1016/j.esr.2021.100678
	Smart energy for smart built environment: A review for combined objectives of affordable sustainable green, Y., Su et al., Sustainable Cities and Society , 2020, DOI: 10.1016/j.scs.2019.101954
	Smart energy management policy in India—A review, K., Yenneti et al., Energies , 2019, DOI: 10.3390/en12173214
	Smart energy management systems: A literature review, N., Loganathan et al., MATEC Web of Conferences , 2018, DOI: 10.1051/mateconf/201822501016
	Smart Energy Meter: Applications, Bibliometric Reviews and Future Research Directions, S., Kuralkar et al., Science and Technology Libraries , 2020, DOI: 10.1080/0194262X.2020.1750081
	Smart energy systems: A critical review on design and operation optimization, Y., Xu et al., Sustainable Cities and Society , 2020, DOI: 10.1016/j.scs.2020.102369
	Smart frequency control in low inertia energy systems based on frequency response techniques: A review, Y., Cheng et al., Applied Energy , 2020, DOI: 10.1016/j.apenergy.2020.115798
	Smart grid - The new and improved power grid: A survey, X., Fang et al., IEEE Communications Surveys and Tutorials , 2012, DOI: 10.1109/SURV.2011.101911.00087
	Smart grid and Indian experience: A review, M., Asaad et al., Resources Policy , 2019, DOI: 10.1016/j.resourpol.2019.101499
	Smart grid and WAMS in Indian context - A review, K., Saha et al., 2015 Clemson University Power Systems Conference, PSC 2015 , 2015, DOI: 10.1109/PSC.2015.7101705
	Smart Grid Big Data Analytics: Survey of Technologies, Techniques, and Applications, D., Syed et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2020.3041178
	Smart grid communication and networking: Review of standards, Reddy, G. Pradeep et al., 2021 International Conference on Applied and Theoretical Electricity, ICATE 2021 - Proceedings, 2021, DOI: 10.1109/ICATE49685.2021.9465005
	Smart Grid Co-Simulation Tools: Review and Cybersecurity Case Study, T.D., Le et al., 7th International Conference on Smart Grid, icSmartGrid 2019 , 2019, DOI: 10.1109/icSmartGrid48354.2019.8990712
	Smart Grid Cyber-Physical Attack and Defense: A Review, H., Zhang et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3058628

	Smart grid development in Quebec: A review and policy approach, M., Jegen et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.06.019
	Smart Grid Education: A Review of Global Course Offerings and the UNSW Sydney Approach, G., Konstantinou et al., Proceedings of 2018 IEEE International Conference on Teaching, Assessment, and Learning for Engineering, TALE 2018 , 2019, DOI: 10.1109/TALE.
	Smart grid electricity system planning and climate disruptions: A review of climate and energy discourse post-Superstorm Sandy, A.M., Feldpausch-Parker et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.06.015
	Smart grid governance: An international review of evolving policy issues and innovations, M.A., Brown et al., Wiley Interdisciplinary Reviews: Energy and Environment , 2018, DOI: 10.1002/wene.290
	Smart grid implementation across the globe: A survey, F., Pazheri et al., 2011 IEEE PES International Conference on Innovative Smart Grid Technologies-India, ISGT India 2011 , 2011, DOI: 10.1109/ISGT-India.2011.6145352
	Smart grid in China: A review, J.K., Shen et al., Advanced Materials Research , 2013, DOI: 10.4028/www.scientific.net/AMR.732-733.1365
	Smart Grid Metering Networks: A Survey on Security, Privacy and Open Research Issues, P., Kumar et al., IEEE Communications Surveys and Tutorials , 2019, DOI: 10.1109/COMST.2019.2899354
	Smart grid neighborhood area networks: A survey, W., Meng et al., IEEE Network , 2014, DOI: 10.1109/MNET.2014.6724103
	Smart grid networks: A state of the art review, N., Goel et al., 2015 International Conference on Signal Processing and Communication, ICSC 2015 , 2015, DOI: 10.1109/ICSPCom.2015.7150632
	Smart grid opportunities and challenges of integrating renewable sources: A survey, M., Guizani et al., IWCMC 2014 - 10th International Wireless Communications and Mobile Computing Conference , 2014, DOI: 10.1109/IWCMC.2014.6906508
	Smart grid research in New Zealand – A review from the GREEN Grid research programme, J., Stephenson et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.07.010
	Smart grid review: Reality in Colombia and expectations, J., Garcia-Guarin et al., Journal of Physics: Conference Series , 2019, DOI: 10.1088/1742-6596/1257/1/012011
	Smart Grid Security: Survey and Challenges, T., Lieskovan et al., International Congress on Ultra Modern Telecommunications and Control Systems and Workshops , 2019, DOI: 10.1109/ICUMT48472.2019.8970738
	Smart grid system: A review, K., Sharma et al., Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020 , 2020, DOI: 10.1109/ICSTCEE49637.2020.9277503
	Smart grid systems based survey on cyber security issues, R., Dorothy et al., Bulletin of Electrical Engineering and Informatics , 2017, DOI: 10.11591/eei.v6i4.862
	Smart grid technology review within the transmission and distribution sector, V., Hamidi et al., IEEE PES Innovative Smart Grid Technologies Conference Europe, ISGT Europe , 2010, DOI: 10.1109/ISGTEUROPE.2010.5638950
	Smart Grid to Energy Internet: A Systematic Review of Transitioning Electricity Systems, A., Joseph et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3041031
	Smart grids and their role in transforming human activities—a systematic literature review, A., Verdejo-Espinosa et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/su12208662
	Smart inverters for microgrid applications: A review, B., Arbab-Zavar et al., Energies , 2019, DOI: 10.3390/en12050840

	Smart Inverters in LV networks: A Review of International Codes and Standards, and Opportunities for South Africa, R., Xavier et al., 2021 Southern African Universities Power Engineering Conference/Robotics and Mechatronics/Pattern Recognition Associatio
	Smart meter data privacy: A survey, M.R., Asghar et al., IEEE Communications Surveys and Tutorials , 2017, DOI: 10.1109/COMST.2017.2720195
	Smart metering and functionalities of smart meters in smart grid - A review, G.R., Barai et al., 2015 IEEE Electrical Power and Energy Conference: Smarter Resilient Power Systems, EPEC 2015 , 2016, DOI: 10.1109/EPEC.2015.7379940
	Smart metering in smart grid framework: A review, P., Bansal et al., 2016 4th International Conference on Parallel, Distributed and Grid Computing, PDGC 2016 , 2016, DOI: 10.1109/PDGC.2016.7913139
	Smart metering trends, implications and necessities: A policy review, J., Leiva et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2015.11.002
	Smart Meters and Smart Devices in Buildings: a Review of Recent Progress and Influence on Electricity Use and Peak Demand, K.S., Cetin et al., Current Sustainable/Renewable Energy Reports , 2017, DOI: 10.1007/s40518-017-0063-7
	Smart Meter's feedback and the potential for energy savings in household sector: A survey, Z., Qiu et al., 2011 International Conference on Networking, Sensing and Control, ICNSC 2011 , 2011, DOI: 10.1109/ICNSC.2011.5874882
	Smart operations of smart grids integrated with distributed generation: A review, S., Kakran et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.07.045
	Smart power electronics-based solutions to interface solar-photovoltaics (pv), smart grid, and electrified transportation: State-of-the-art and future prospects, S., Aragon-Aviles et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/app10144988
	Smart Substation: State of the Art and Future Development, Q., Huang et al., IEEE Transactions on Power Delivery , 2017, DOI: 10.1109/TPWRD.2016.2598572
	Smart transmission grids vision for Europe: Towards a realistic research agenda, L., Vanfretti et al., Green Energy and Technology , 2014, DOI: 10.1007/978-1-4471-6281-0_10
	Smart-grid policies: An international review, M., Brown et al., Wiley Interdisciplinary Reviews: Energy and Environment , 2013, DOI: 10.1002/wene.53
	Social dimensions of smart grid: Regional analysis in Canada and the United States. Introduction to special issue of Renewable and Sustainable Energy Reviews, J., Meadowcroft et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.20
	Socio-economic acceptability for smart grid development - A comprehensive review, S., Bigerna et al., Journal of Cleaner Production , 2016, DOI: 10.1016/j.jclepro.2016.05.010
	Socio-political view of smart grid implementation-A survey, D., Spiesova et al., Proceedings - 2016 17th International Scientific Conference on Electric Power Engineering, EPE 2016 , 2016, DOI: 10.1109/EPE.2016.7521724
	Software architectures for smart grid system-a bibliographical survey, R., Ananthavijayan et al., Energies , 2019, DOI: 10.3390/en12061183
	Software Defined Networks-Based Smart Grid Communication: A Comprehensive Survey, M.H., Rehmani et al., IEEE Communications Surveys and Tutorials , 2019, DOI: 10.1109/COMST.2019.2908266
	Spectrum Sharing in Cognitive Radio Enabled Smart Grid: A Survey, S., Chen et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2020, DOI: 10.1007/978-3-030-48513-9_50
	Spectrum survey for reliable communications of cognitive radio based smart grid network, W., Aqilah et al., IOP Conference Series: Earth and Environmental Science , 2013, DOI: 10.1088/1755-1315/16/1/012083

	Standardization and Security for Smart Grid Communications Based on Cognitive Radio Technologies - A Comprehensive Survey, T., Le et al., IEEE Communications Surveys and Tutorials , 2017, DOI: 10.1109/COMST.2016.2613892
	State of the art 3GPP M2M communications toward smart grid, Y., Kwon et al., KSII Transactions on Internet and Information Systems , 2012, DOI: 10.3837/tiis.2012.02.001
	State of the Art and Trends Review of Smart Metering in Electricity Grids, N., Uribe-Perez et al., Applied Sciences , 2016, DOI: 10.3390/app6030068
	State of the art authentication, access control, and secure integration in smart grid, N., Saxena et al., Energies , 2015, DOI: 10.3390/en81011883
	State of the Art in Artificial Immune-Based Intrusion Detection Systems for Smart Grids, R., Pump et al., Proceedings of the 2nd World Conference on Smart Trends in Systems, Security and Sustainability, WorldS4 2018 , 2019, DOI: 10.1109/WorldS4.2018.8611
	State of the art in cybersecurity and smart grid education, Romanovs, Andrejs et al., EUROCON 2021 - 19th IEEE International Conference on Smart Technologies, Proceedings, 2021, DOI: 10.1109/EUROCON52738.2021.9535627
	State of the art of active power electronic transformers for smart grids, I., Roasto et al., IECON Proceedings (Industrial Electronics Conference) , 2012, DOI: 10.1109/IECON.2012.6389543
	State of the art of Fault Current Limiters and their applications in smart grid, Y., Zhang et al., IEEE Power and Energy Society General Meeting , 2012, DOI: 10.1109/PESGM.2012.6344649
	State of the art of the virtual utility: The smart distributed generation network, D., Coll-Mayor et al., International Journal of Energy Research , 2004, DOI: 10.1002/er.951
	State-of-the-art artificial intelligence techniques for distributed smart grids: A review, S.S., Ali et al., Electronics (Switzerland) , 2020, DOI: 10.3390/electronics9061030
	State-of-the-art impacts of Smart Grid in the power systems operation and expansion planning, de Oliveira G.A. et al., Brazilian Archives of Biology and Technology , 2018, DOI: 10.1590/1678-4324-smart-2018000400
	State-of-the-art integration of decentralized energy management systems into the German smart meter gateway infrastructure, N., Kroener et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/app10113665
	Structured Literature Review of Electricity Consumption Classification Using Smart Meter Data, A.M., Tureczek et al., Energies , 2017, DOI: 10.3390/en10050584
	Study on the performance indicators for smart grids: A comprehensive review, S.R., Salkuti et al., Telkomnika (Telecommunication Computing Electronics and Control) , 2019, DOI: 10.12928/TELKOMNIKA.v17i6.13285
	Survey about public perception regarding smart grid, energy efficiency & renewable energies applications in Qatar, Z., Abdmouleh et al., Renewable and Sustainable Energy Reviews , 2018, DOI: 10.1016/j.rser.2017.09.023
	Survey about the utilization of open source arduino for control and measurement systems in advanced scenarios. Application to smart micro-grid and its digital replica, I.G., Perez et al., ICINCO 2019 - Proceedings of the 16th International Conference on
	Survey in smart grid and smart home security: Issues, challenges and countermeasures, N., Komninos et al., IEEE Communications Surveys and Tutorials , 2014, DOI: 10.1109/COMST.2014.2320093
	Survey of big data role in smart grids: Definitions, applications, challenges, and solutions, M., Ghofrani et al., Open Electrical and Electronic Engineering Journal , 2018, DOI: 10.2174/1874129001812010086
	Survey of Communication Techniques in Smart Grids, R.H., Abdelwahab et al., 2019 21st International Middle East Power Systems Conference, MEPCON 2019 - Proceedings , 2019, DOI: 10.1109/MEPCON47431.2019.9007961
	Survey of Cyber Security Challenges and Solutions in Smart Grids, L., Kotut et al., Proceedings - 2016 Cybersecurity Symposium, CYBERSEC 2016 , 2016, DOI: 10.1109/CYBERSEC.2016.013

	Survey of cyber security issues in smart grids, T., Chen et al., Proceedings of SPIE - The International Society for Optical Engineering , 2010, DOI: 10.1117/12.862698
	Survey of development and technology of smart grid, X., Zhou et al., Advanced Materials Research , 2012, DOI: 10.4028/www.scientific.net/AMR.542-543.328
	Survey of false data injection in smart power grid: Attacks, countermeasures and challenges, S., Aoufi et al., Journal of Information Security and Applications , 2020, DOI: 10.1016/j.jisa.2020.102518
	Survey of Literature on Machine Intelligence and Deep learning for Smart Grid Applications, V., Garg et al., 2019 8th International Conference on Power Systems: Transition towards Sustainable, Smart and Flexible Grids, ICPS 2019 , 2019, DOI: 10.1109/ICPS
	Survey of literature on reliable smart grid operation incorporating IOT technology, T., Jenish et al., Journal of Advanced Research in Dynamical and Control Systems , 2020, DOI: 10.5373/JARDCS/V12SP3/20201382
	Survey of Security Advances in Smart Grid: A Data Driven Approach, S., Tan et al., IEEE Communications Surveys and Tutorials , 2017, DOI: 10.1109/COMST.2016.2616442
	Survey of smart grid concepts and technological demonstrations worldwide emphasizing on the Oman perspective, A.H., Al-Badi et al., Applied System Innovation , 2020, DOI: 10.3390/asi3010005
	Survey of smart grid concepts, architectures, and technological demonstrations worldwide, M., Hashmi et al., 2011 IEEE PES Conference on Innovative Smart Grid Technologies Latin America SGT LA 2011 - Conference Proceedings , 2011, DOI: 10.1109/ISGT-LA.20
	Survey of Smart Grid Network Using Drone PTZ Camera, S., Paramanik et al., Proceedings of 3rd International Conference on 2019 Devices for Integrated Circuit, DevIC 2019 , 2019, DOI: 10.1109/DEVIC.2019.8783610
	Survey of smart grid standardization studies and recommendations - Part 2, M., Uslar et al., IEEE PES Innovative Smart Grid Technologies Conference Europe, ISGT Europe , 2010, DOI: 10.1109/ISGTEUROPE.2010.5638886
	Survey of smart grid standardization studies and recommendations, S., Rohjans et al., 2010 1st IEEE International Conference on Smart Grid Communications, SmartGridComm 2010 , 2010, DOI: 10.1109/SMARTGRID.2010.5621999
	Survey of smart metering communication technologies, Z., Liposcak et al., IEEE EuroCon 2013 , 2013, DOI: 10.1109/EUROCON.2013.6625160
	Survey of wind power and integration smart grid technologies, T.W., Xing et al., Advanced Materials Research , 2013, DOI: 10.4028/www.scientific.net/AMR.614-615.1771
	Survey on application of Wireless Sensor Network in smart grid, P., Wang et al., Procedia Computer Science , 2015, DOI: 10.1016/j.procs.2015.05.161
	Survey on authentication and encryption techniques for smart grid communication, M., Sharma et al., India International Conference on Power Electronics, IICPE , 2016, DOI: 10.1109/IICPE.2016.8079534
	Survey on communication architectures for wind energy integration with the smart grid, B., Singh et al., International Journal of Environmental Studies , 2013, DOI: 10.1080/00207233.2013.798501
	Survey on new energy of smart grid, Y., Ma et al., Advanced Materials Research , 2011, DOI: 10.4028/www.scientific.net/AMR.308-310.428
	Survey on Security Aspects in Smart Grid: Performance and Parametric Analysis, V.V., Vineeth et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-15-2256-7_55
	Survey on smart grid modelling, G., Guerard et al., International Journal of Systems, Control and Communications , 2012, DOI: 10.1504/IJSCC.2012.050822

	Survey on smart grid technologies-smart metering, IoT and EMS, S., Jain et al., 2014 IEEE Students' Conference on Electrical, Electronics and Computer Science, SCEECS 2014 , 2014, DOI: 10.1109/SCEECS.2014.6804465
	Survey on smart grid, R., Hassan et al., Conference Proceedings - IEEE SOUTHEASTCON , 2010, DOI: 10.1109/SECON.2010.5453886
	Survey on technology of the smart grid, M., Youjie et al., Applied Mechanics and Materials , 2013, DOI: 10.4028/www.scientific.net/AMM.268-270.2050
	Survey on time-domain power theories and their applications for renewable energy integration in smart-grids, M.G., Simoes et al., IET Smart Grid , 2019, DOI: 10.1049/iet-stg.2018.0244
	Technical and regulatory framework for smart grid infrastructure: A review of current UK initiatives, G., Strbac et al., IEEE PES General Meeting, PES 2010 , 2010, DOI: 10.1109/PES.2010.5590085
	Technological perspective of cyber secure smart inverters used in power distribution system: State of the art review, Surya, Sumukh et al., Applied Sciences (Switzerland), 2021, DOI: 10.3390/app11188780
	Technologies for smart grids: A brief review, M., Falvo et al., 12th International Conference on Environment and Electrical Engineering, EEEIC 2013 , 2013, DOI: 10.1109/EEEIC.2013.6549544
	Technologies Review of Service Isolation in Smart Grid Communications, Y., Yong et al., Proceedings - 2015 1st International Conference on Computational Intelligence Theory, Systems and Applications, CCITSA 2015 , 2016, DOI: 10.1109/CCITSA.2015.14
	The (in)justices of smart local energy systems: A systematic review, integrated framework, and future research agenda, Knox, Stephen et al., Energy Research and Social Science, 2022, DOI: 10.1016/j.erss.2021.102333
	The compression of electric signal waveforms for smart grids: State of the art and future trends, M.P., Tcheou et al., IEEE Transactions on Smart Grid , 2014, DOI: 10.1109/TSG.2013.2293957
	The critical role of microgrids in transition to a smarter grid: A technical review, A., Ravichandran et al., 2013 IEEE Transportation Electrification Conference and Expo: Components, Systems, and Power Electronics - From Technology to Business and Publi
	The current state of the art in research on predictive maintenance in smart grid distribution network: Fault's types, causes, and prediction methods—a systematic review, Mahmoud, Moamin A. et al., Energies, 2021, DOI: 10.3390/en14165078
	The research agenda on social acceptance of distributed generation in smart grids: Renewable as common pool resources, M., Wolsink et al., Renewable and Sustainable Energy Reviews , 2012, DOI: 10.1016/j.rser.2011.09.006
	The review for elastomer smart active wind turbine blade vibration control, J., Han et al., Yingyong Lixue Xuebao/Chinese Journal of Applied Mechanics , 2015, DOI: 10.11776/cjam.32.03.C023
	The review of demand response programs in smart grid, Y., Zhang et al., Advanced Materials Research , 2013, DOI: 10.4028/www.scientific.net/AMR.614-615.1800
	The review of demand side management and load forecasting in smart grid, H., Zhao et al., Proceedings of the World Congress on Intelligent Control and Automation (WCICA) , 2016, DOI: 10.1109/WCICA.2016.7578513
	The review of smart distribution grid, Y., Ma et al., 2016 IEEE International Conference on Mechatronics and Automation, IEEE ICMA 2016 , 2016, DOI: 10.1109/ICMA.2016.7558552
	The SERL Observatory Dataset: Longitudinal Smart Meter Electricity and Gas Data, Survey, EPC and Climate Data for over 13,000 Households in Great Britain, Webborn, Ellen et al., Energies, 2021, DOI: 10.3390/en14216934
	The smart gas grid: State of the art and perspectives, E., Crisostomi et al., 2013 4th IEEE/PES Innovative Smart Grid Technologies Europe, ISGT Europe 2013 , 2013, DOI: 10.1109/ISGTEurope.2013.6695342

	The smart grid - State-of-the-art and future trends, M., El-Hawary et al., Electric Power Components and Systems , 2014, DOI: 10.1080/15325008.2013.868558
	The smart grids in China-A review, Y., Yu et al., Energies , 2012, DOI: 10.3390/en5051321
	The survey of wireless sensor networks information security in smart grid, W., Tong et al., Applied Mechanics and Materials , 2014, DOI: 10.4028/www.scientific.net/AMM.651-653.1992
	The wireless technologies for smart grid communication: A review, A., Mulla et al., Proceedings - 2015 5th International Conference on Communication Systems and Network Technologies, CSNT 2015 , 2015, DOI: 10.1109/CSNT.2015.146
	Toward the digital water age: Survey and case studies of Australian water utility smart-metering programs, C.D., Beal et al., Utilities Policy , 2015, DOI: 10.1016/j.jup.2014.12.006
	Towards a smarter energy management system for hybrid vehicles: A comprehensive review of control strategies, N., Xu et al., Applied Sciences (Switzerland) , 2019, DOI: 10.3390/app9102026
	Towards a smarter hybrid energy storage system based on battery and ultracapacitor - A critical review on topology and energy management, R., Xiong et al., Journal of Cleaner Production , 2018, DOI: 10.1016/j.jclepro.2018.08.134
	Towards an IEC 61499 compliance profile for smart grids review and analysis of possibilities, T., Strasser et al., IECON Proceedings (Industrial Electronics Conference) , 2012, DOI: 10.1109/IECON.2012.6389294
	Towards optimization approaches in smart grid a review, S.A., Malik et al., 2019 2nd International Conference on Computing, Mathematics and Engineering Technologies, iCoMET 2019 , 2019, DOI: 10.1109/ICOMET.2019.8673392
	Uncertainty quantification of wind penetration and integration into smart grid: A survey, A.S., Nair et al., 2017 North American Power Symposium, NAPS 2017 , 2017, DOI: 10.1109/NAPS.2017.8107196
	Uncovering the business value of the internet of things in the energy domain – a review of smart energy business models, U., Paukstadt et al., Electronic Markets , 2021, DOI: 10.1007/s12525-019-00381-8
	Unraveling electricity consumption profiles in households through clusters: Combining smart meters and door-to-door surveys, J., Gouveia et al., Energy and Buildings , 2016, DOI: 10.1016/j.enbuild.2016.01.043
	Update and review of IEEE P2030 smart grid interoperability and IEEE 1547 interconnection standards, T., Basso et al., 2012 IEEE PES Innovative Smart Grid Technologies, ISGT 2012 , 2012, DOI: 10.1109/ISGT.2012.6175748
	Upscaling smart local energy systems: A review of technical barriers, C., Rae et al., Renewable and Sustainable Energy Reviews , 2020, DOI: 10.1016/j.rser.2020.110020
	Utilization of battery energy storage systems (BESS) in smart grid: A review, I., Atteya et al., Renewable Energy and Power Quality Journal , 2016, DOI: 10.24084/repqj14.489
	Visualization techniques for electrical grid smart metering data: A survey, M., Stefan et al., Proceedings - 3rd IEEE International Conference on Big Data Computing Service and Applications, BigDataService 2017 , 2017, DOI: 10.1109/BigDataService.2017.26
	Wide area smart grid architectural model and control: A survey, S.M., Ali et al., Renewable and Sustainable Energy Reviews , 2016, DOI: 10.1016/j.rser.2016.06.006
	WiMAX for data aggregation in smart grid communication network - A review, R., Daryapurkar et al., Proceedings of the 2017 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2017 , 2018, DOI: 10.1109/WiSPNET.20
	Wireless communication techniques, the right path to Smart Grid distribution Systems: A review, H., Shabani et al., Proceedings - 14th IEEE Student Conference on Research and Development: Advancing Technology for Humanity, SCOREd 2016 , 2017, DOI: 10.110

smart healthcare	'Smart' wound dressings for advanced wound care: A review, S., O'Callaghan et al., Journal of Wound Care , 2020, DOI: 10.12968/jowc.2020.29.7.394
	A Comprehensive Review of Smart Wheelchairs: Past, Present, and Future, J., Leaman et al., IEEE Transactions on Human-Machine Systems , 2017, DOI: 10.1109/THMS.2017.2706727
	A comprehensive review on smart fog-based healthcare framework, C.C., Prajapati et al., Proceedings of the 3rd International Conference on Intelligent Sustainable Systems, ICISS 2020 , 2020, DOI: 10.1109/ICISS49785.2020.9315896
	A Comprehensive Review on the Emerging IoT-Cloud based Technologies for Smart Healthcare, S., Vidya Priya Darcini et al., 2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020 , 2020, DOI: 10.1109/ICACCS48705.2020
	A Comprehensive Survey of the Internet of Things (IoT) and AI-Based Smart Healthcare, F., Alshehri et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2020.3047960
	A Comprehensive Survey on Machine Learning-Based Big Data Analytics for IoT-Enabled Smart Healthcare System, W., Li et al., Mobile Networks and Applications , 2021, DOI: 10.1007/s11036-020-01700-6
	A comprehensive survey on multimodal medical signals fusion for smart healthcare systems, Muhammad, Ghulam et al., Information Fusion, 2021, DOI: 10.1016/j.inffus.2021.06.007
	A Critical Review of Smart Residential Environments for Older Adults With a Focus on Pleasurable Experience, L.N., Lee et al., Frontiers in Psychology , 2020, DOI: 10.3389/fpsyg.2019.03080
	A literature review of next-generation smart sensing technology in structural health monitoring, S., Sony et al., Structural Control and Health Monitoring , 2019, DOI: 10.1002/stc.2321
	A narrative review on dietary strategies to provide nitric oxide as a non-drug cardiovascular disease therapy: Beetroot formulations—a smart nutritional intervention, Baiao, Diego Dos Santos et al., Foods, 2021, DOI: 10.3390/foods10040859
	A personalized mobile patient guide system for a patient-centered smart hospital: Lessons learned from a usability test and satisfaction survey in a tertiary university hospital, S., Yoo et al., International Journal of Medical Informatics , 2016, DOI: 1
	A review of authentication protocols for rfid security on smart healthcare, H., Dearfian et al., IOP Conference Series: Materials Science and Engineering , 2019, DOI: 10.1088/1757-899X/508/1/012135
	A review of features and characteristics of smart medication adherence products, Faisal, Sadaf et al., Canadian Pharmacists Journal, 2021, DOI: 10.1177/17151635211034198
	A review of the functionalities of smart walkers, M., Martins et al., Medical Engineering and Physics , 2015, DOI: 10.1016/j.medengphy.2015.07.006
	A review of the role of smart wireless medical sensor network in covid-19, S., Ali et al., Journal of Industrial Integration and Management , 2020, DOI: 10.1142/S2424862220300069
	A scoping review of the quality and the design of evaluations of mobile health, telehealth, smart pump and monitoring technologies performed in a pharmacy-related setting, D., Baines et al., Frontiers in Pharmacology , 2018, DOI: 10.3389/fphar.2018.00678
	A Smart Health Care Monitor System in IoT Based Human Activities of Daily Living: A Review, K., Jose Reena et al., Proceedings of the International Conference on Machine Learning, Big Data, Cloud and Parallel Computing: Trends, Perspectives and Prospects
	A Survey and Classification of Security and Privacy Research in Smart Healthcare Systems, A., Algarni et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2930962
	A survey of fall prevention systems implemented on smart walkers, A., Pereira et al., 6th IEEE Portuguese Meeting on Bioengineering, ENBENG 2019 - Proceedings , 2019, DOI: 10.1109/ENBENG.2019.8692530

	A Survey of Smart Health: System Design from the Cloud to the Edge, Y., Qiu et al., Jisuanji Yanjiu yu Fazhan/Computer Research and Development , 2020, DOI: 10.7544/issn1000-1239.2020.20190002
	A survey on emerging software-defined networking and blockchain in smart health care, S., Wadhwa et al., IOP Conference Series: Materials Science and Engineering , 2021, DOI: 10.1088/1757-899X/1022/1/012056
	A Survey on Multimodal Data-Driven Smart Healthcare Systems: Approaches and Applications, Q., Cai et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2941419
	A survey on RFID security and privacy in smart medical: Threats and protections, X., Shi et al., IoTBDS 2019 - Proceedings of the 4th International Conference on Internet of Things, Big Data and Security , 2019, DOI: 10.5220/0007713402780285
	A Survey on the Status of Smart Healthcare from the Universal Village Perspective, G., Huang et al., 4th IEEE International Conference on Universal Village 2018, UV 2018 , 2019, DOI: 10.1109/UV.2018.8642125
	A systematic review of open source clinical software on GitHub for improving software reuse in smart healthcare, Z., Shen et al., Applied Sciences (Switzerland) , 2019, DOI: 10.3390/app9010150
	Adaptive Algorithms as Control Strategies of Smart Upper Limb Orthosis: A Protocol for a Systematic Scoping Review, Holanda, Ledycnarf J. et al., Frontiers in Neuroscience, 2021, DOI: 10.3389/fnins.2021.660141
	Adoption factors of health monitoring systems for smart healthcare: A systematic review, H., Cicibas et al., Proceedings of the 12th IADIS International Conference Information Systems 2019, IS 2019 , 2019, DOI: 10.33965/is2019_2019051006
	An internet of things-based smart homes and healthcare monitoring and management system: Review, M.N., Mohammed et al., Journal of Physics: Conference Series , 2020, DOI: 10.1088/1742-6596/1450/1/012079
	Assistive mobility devices focusing on Smart Walkers: Classification and review, M., Martins et al., Robotics and Autonomous Systems , 2012, DOI: 10.1016/j.robot.2011.11.015
	Benefits and Risks of Using Smart Pumps to Reduce Medication Error Rates: A Systematic Review, K., Ohashi et al., Drug Safety , 2014, DOI: 10.1007/s40264-014-0232-1
	Biomarkers and smart wound dressings: Systematic review, F.R., Avila et al., Journal of Wound Care , 2020, DOI: 10.12968/jowc.2020.29.LatAm_sup_3.13
	Blockchain and smart healthcare security: A survey, N., Tariq et al., Procedia Computer Science , 2020, DOI: 10.1016/j.procs.2020.07.089
	Bolus calculator: A review of four "smart" insulin pumps, H., Zisser et al., Diabetes Technology and Therapeutics , 2008, DOI: 10.1089/dia.2007.0284
	Cell targeting peptides as smart ligands for targeting of therapeutic or diagnostic agents: a systematic review, A., Mousavizadeh et al., Colloids and Surfaces B: Biointerfaces , 2017, DOI: 10.1016/j.colsurfb.2017.07.012
	Challenges in Smart Health Applications Using Wearable Medical Internet-of-Things—A Review, Schnell, Benedikt et al., Lecture Notes in Networks and Systems, 2022, DOI: 10.1007/978-981-16-1781-2_27
	Commercial ICT smart solutions for the elderly: State of the art and future challenges in the smart furniture sector, R., Frischer et al., Electronics (Switzerland) , 2020, DOI: 10.3390/electronics9010149
	Comprehensive review on smart techniques for estimation of state of health for battery management system application, Surya, Sumukh et al., Energies, 2021, DOI: 10.3390/en14154617
	Construction for the smart old-age care in an age of longevity: A literature review, X., Zhang et al., IOP Conference Series: Earth and Environmental Science , 2021, DOI: 10.1088/1755-1315/632/5/052042

	Correction osteotomies near the knee and navigation: State of the art within the scope of the "OrthoMIT" project for the development of an integrated platform for smart interventional orthopaedic surgery and traumatology, P., Belei et al., Zeitschrift fu
	Cyber Vulnerabilities on Smart Healthcare, Review and Solutions, S., Safavi et al., Proceedings of the 2018 Cyber Resilience Conference, CRC 2018 , 2019, DOI: 10.1109/CR.2018.8626826
	Database Review: ACP Smart Medicine, K., Leonard et al., Journal of Electronic Resources in Medical Libraries , 2014, DOI: 10.1080/15424065.2014.876581
	Deep learning for multi grade brain tumor classification in smart healthcare systems: A prospective survey, V.J., Sravya et al., Advances in Parallel Computing , 2021, DOI: 10.3233/APC210059
	Deep Learning for Multigrade Brain Tumor Classification in Smart Healthcare Systems: A Prospective Survey, K., Muhammad et al., IEEE Transactions on Neural Networks and Learning Systems , 2021, DOI: 10.1109/TNNLS.2020.2995800
	Defining the concepts of a smart nursing home and its potential technology utilities that integrate medical services and are acceptable to stakeholders: A scoping review protocol, Y., Zhao et al., BMJ Open , 2021, DOI: 10.1136/bmjopen-2020-041452
	Deployment of a smart structural health monitoring system for long-span arch bridges: A review and a case study, Z., Chen et al., Sensors (Switzerland) , 2017, DOI: 10.3390/s17092151
	Design and Implementation of ASH (Advance Smart Healthcare) System: A Review Model, K., Sohelrana et al., ICRITO 2020 - IEEE 8th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) , 2020, DOI: 10
	Developing iot based smart health monitoring systems: A review, A., Rahaman et al., Revue d'Intelligence Artificielle , 2019, DOI: 10.18280/ria.330605
	Digital Diabetes Management: A Literature Review of Smart Insulin Pens, L., Heinemann et al., Journal of Diabetes Science and Technology , 2021, DOI: 10.1177/1932296820983863
	Edge computing in smart health care systems: Review, challenges, and research directions, M., Hartmann et al., Transactions on Emerging Telecommunications Technologies , 2019, DOI: 10.1002/ett.3710
	Electrochemical approaches to the development of smart bandages: A mini-review, A., McLister et al., Electrochemistry Communications , 2014, DOI: 10.1016/j.elecom.2014.01.003
	Factors influencing the adoption of smart health technologies for people with dementia and their informal caregivers: Scoping review and design framework, E., Guisado-Fernandez et al., JMIR Aging , 2019, DOI: 10.2196/12192
	Fiber optic sensors embedded in textile-reinforced concrete for smart structural health monitoring: A review, Alwis, Lourdes S.M. et al., Sensors, 2021, DOI: 10.3390/s21154948
	Firewall best practices for securing smart healthcare environment: A review, Anwar, Raja Waseem et al., Applied Sciences (Switzerland), 2021, DOI: 10.3390/app11199183
	From Seizure Detection to Smart and Fully Embedded Seizure Prediction Engine: A Review, J., Yang et al., IEEE Transactions on Biomedical Circuits and Systems , 2020, DOI: 10.1109/TBCAS.2020.3018465
	Global burden of medication non-adherence in chronic obstructive pulmonary disease (COPD) and asthma: A narrative review of the clinical and economic case for smart inhalers, Jansen, Evalyne M. et al., Journal of Thoracic Disease, 2021, DOI: 10.21037/jtd-
	Handling errors in conventional and smart pump infusions: A systematic review with meta-analysis, A.P.A., Moreira et al., Revista da Escola de Enfermagem , 2020, DOI: 10.1590/S1980-220X2018032603562

	How smart medication systems are used to support older people's drug regimens: A systematic literature review, R., Turjamaa et al., Geriatric Nursing , 2020, DOI: 10.1016/j.gerinurse.2020.02.005
	Imaging for Non-Specific Low Back Pain According to 'Smarter Medicine' - A Survey from Three General Practices, R., Jutzi et al., Praxis , 2020, DOI: 10.1024/1661-8157/a003391
	InPen smart insulin pen system: Product review and user experience, B., Gildon et al., Diabetes Spectrum , 2018, DOI: 10.2337/ds18-0011
	Internet of things (IoT) in healthcare - Smart health and surveillance, architectures, security analysis and data transfer: A review, P., Panchatcharam et al., International Journal of Software Innovation , 2019, DOI: 10.4018/IJSI.2019040103
	Internet of things for smart healthcare: A review on a potential iot based system and technologies to control COVID-19 pandemic, M., Ennafiri et al., International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Ar
	Internet of Things for Smart Healthcare: A Review on a Potential IOT Based System and Technologies to Control COVID-19 Pandemic, M., Ennafiri et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-3-030-66840-2_96
	IoT-Based Smart Healthcare System: A Review on Constituent Technologies, Sahu, Manju Lata et al., Journal of Circuits, Systems and Computers, 2021, DOI: 10.1142/S0218126621300087
	Literature Review on the Applications of Machine Learning and Blockchain Technology in Smart Healthcare Industry: A Bibliometric Analysis, Y., Li et al., Journal of Healthcare Engineering , 2021, DOI: 10.1155/2021/9739219
	Magnetic nanoparticles for smart electrochemical immunoassays: a review on recent developments, M., Pastucha et al., Microchimica Acta , 2019, DOI: 10.1007/s00604-019-3410-0
	Minimally invasive approaches to the hip joint for total hip arthroplasty: State of the art within the scope of the "OrthoMIT" project for the development of an integrated platform for smart interventional orthopaedic surgery and traumatology, S., Gravius
	Mobile Communications and Computing: A Broad Review with a Focus on Smart Healthcare, D.K., Sanyal et al., Intelligent Systems Reference Library , 2020, DOI: 10.1007/978-3-030-37551-5_2
	PCA safety data review after clinical decision support and smart pump technology implementation, J., Prewitt et al., Journal of Patient Safety , 2013, DOI: 10.1097/PTS.0b013e318281b866
	Physiological and behavior monitoring systems for smart healthcare environments: A review, M.J., Rodrigues et al., Sensors (Switzerland) , 2020, DOI: 10.3390/s20082186
	Reducing nursing home polypharmacy using systematic medication and assessment review and tracking: The smart program, R., Samala et al., Journal of the American Geriatrics Society , 2011, DOI: 10.1111/j.1532-5415.2011.03547.x
	Research Status and Trend of Smart Healthcare:a Literature Review, Z., Mi et al., Chinese General Practice , 2019, DOI: 10.12114/j.issn.1007-9572.2018.00.194
	Review - Energy Autonomous Wearable Sensors for Smart Healthcare: A Review, A.S., Dahiya et al., Journal of the Electrochemical Society , 2020, DOI: 10.1149/2.0162003JES
	Review of smart health monitoring approaches with survey analysis and proposed framework, S., Gahlot et al., IEEE Internet of Things Journal , 2019, DOI: 10.1109/JIOT.2018.2872389
	Review of Smart Healthcare Systems and Applications for Smart Cities, J., Sanghavi et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-13-8715-9_39
	Review on smart solutions for people with visual impairment, M., Elgendy et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2018, DOI: 10.1007/978-3-319-94277-3_1

	Review on valve stiction. Part I: From modeling to smart diagnosis, di Capaci R.B. et al., Processes , 2015, DOI: 10.3390/pr3020422
	Review: How Can Intelligent Robots and Smart Mechatronic Modules Facilitate Remote Assessment, Assistance, and Rehabilitation for Isolated Adults With Neuro-Musculoskeletal Conditions?, Atashzar, S. Farokh et al., Frontiers in Robotics and AI, 2021, DOI:
	Security, Privacy and Trust in IoMT Enabled Smart Healthcare System: A Systematic Review of Current and Future Trends, T., Vaiyapuri et al., International Journal of Advanced Computer Science and Applications , 2021, DOI: 10.14569/IJACSA.2021.0120291
	Smart and Sustainable Nanotechnological Solutions in a Battle against COVID-19 and Beyond: A Critical Review, A.M., Jastrzębska et al., ACS Sustainable Chemistry and Engineering , 2021, DOI: 10.1021/acssuschemeng.0c06565
	Smart Case Review: A Model For Successful Remote Medical Direction and Enhanced Nursing Home Quality Improvement, Levenson, Steven A. et al., Journal of the American Medical Directors Association, 2021, DOI: 10.1016/j.jamda.2021.05.043
	Smart conversational agents for the detection of neuropsychiatric disorders: A systematic review, M.R., Pacheco-Lorenzo et al., Journal of Biomedical Informatics , 2021, DOI: 10.1016/j.jbi.2020.103632
	Smart dressings for wound healing: A review, I., Barros Almeida et al., Advances in Skin and Wound Care , 2021, DOI: 10.1097/01.ASW.0000725188.95109.68
	Smart Health Internet of Thing for Continuous Glucose Monitoring: A Survey, N., Yusuf et al., International Journal of Integrated Engineering , 2020, DOI: 10.30880/ijie.2020.12.07.006
	Smart medical beds in patient-care environments of the twenty-first century: a state-of-art survey, I., Ghersi et al., BMC Medical Informatics and Decision Making , 2018, DOI: 10.1186/s12911-018-0643-5
	Smart Nanocarriers for the Delivery of Nucleic Acid-Based Therapeutics: A Comprehensive Review, T., Ramasamy et al., Biotechnology Journal , 2021, DOI: 10.1002/biot.201900408
	Smart nano-micro platforms for ophthalmological applications: The state-of-the-art and future perspectives, Q., Lyu et al., Biomaterials , 2021, DOI: 10.1016/j.biomaterials.2021.120682
	Smart Nanoscopy: A Review of Computational Approaches to Achieve Super-Resolved Optical Microscopy, S.S., Kaderuppan et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3040319
	Smart rehabilitation for neuro-disability: A review, S.R., Avutu et al., Application of Biomedical Engineering in Neuroscience , 2019, DOI: 10.1007/978-981-13-7142-4_24
	Smart restorative materials used in dentistry-a review, S., Praveen Kumar et al., International Journal of Research in Pharmaceutical Sciences , 2020, DOI: 10.26452/ijrps.v11i1SPL3.2958
	Smart stimuli-responsive liposomal nanohybrid systems: A critical review of theranostic behavior in cancer, Alwattar, Jana K. et al., Pharmaceutics, 2021, DOI: 10.3390/pharmaceutics13030355
	Smart structural health monitoring in civil engineering: A survey, G.N., Devi et al., Materials Today: Proceedings , 2020, DOI: 10.1016/j.matpr.2021.02.095
	Smart walkers: An application-oriented review, S., Page et al., Robotica , 2017, DOI: 10.1017/S0263574716000023
	Smart wheelchairs: A literature review, R., Simpson et al., Journal of Rehabilitation Research and Development , 2005, DOI: 10.1682/JRRD.2004.08.0101
	Smarter cures to combat COVID-19 and future pathogens: a review, Dai, Han et al., Environmental Chemistry Letters, 2021, DOI: 10.1007/s10311-021-01224-9
	Strategies for Managing Smart Pump Alarm and Alert Fatigue: A Narrative Review, P., Shah et al., Pharmacotherapy , 2018, DOI: 10.1002/phar.2153

	Stress Detection and Management: A Survey of Wearable Smart Health Devices, H., Thapliyal et al., IEEE Consumer Electronics Magazine , 2017, DOI: 10.1109/MCE.2017.2715578
	Surface-engineered smart nanocarrier-based inhalation formulations for targeted lung cancer chemotherapy: a review of current practices, X.Y., Yu et al., Drug Delivery , 2021, DOI: 10.1080/10717544.2021.1981492
	Survey of smart healthcare systems using internet of things (IoT) : (Invited paper), Y., Shaikh et al., Proceedings of the 2018 International Conference On Communication, Computing and Internet of Things, IC3IoT 2018 , 2019, DOI: 10.1109/IC3IoT.2018.8668
	Survey on Development of Smart Healthcare Monitoring System in IoT Environment, Hegde, Ramakrishna et al., Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021, 2021, DOI: 10.1109/ICCMC51019.2021.9418405
	Survey on Smart Health Management using BLE and BLE Beacons, D., Rajamohan et al., Proceedings of the 2019 International Symposium on Embedded Computing and System Design, ISED 2019 , 2019, DOI: 10.1109/ISED48680.2019.9096227
	Synthetic biology devices and circuits for RNA-based 'smart vaccines': A propositional review, O., Andries et al., Expert Review of Vaccines , 2014, DOI: 10.1586/14760584.2015.997714
	Technologies trend towards 5g network for smart health-care using iot: A review, A., Ahad et al., Sensors (Switzerland) , 2020, DOI: 10.3390/s20144047
	Theranostic applications of smart nanomedicines for tumor-targeted chemotherapy: a review, A.Z., Juthi et al., Environmental Chemistry Letters , 2020, DOI: 10.1007/s10311-020-01031-8
	Toward uniform smart healthcare ecosystems: A survey on prospects, security, and privacy considerations, H., Habibzadeh et al., Connected Health in Smart Cities , 2019, DOI: 10.1007/978-3-030-27844-1_5
	Using clinical reasoning ontologies to make smarter clinical decision support systems: A systematic review and data synthesis, P.L., Dissanayake et al., Journal of the American Medical Informatics Association , 2020, DOI: 10.1093/jamia/ocz169
	Vision-based personalized Wireless Capsule Endoscopy for smart healthcare: Taxonomy, literature review, opportunities and challenges, K., Muhammad et al., Future Generation Computer Systems , 2020, DOI: 10.1016/j.future.2020.06.048
smart home, smart building	A critical review of user studies on healthy smart homes, M., Kim et al., Indoor and Built Environment , 2013, DOI: 10.1177/1420326X12469733
	A literature review on the design of smart homes for people with dementia using a user-centred design approach, P., Raei et al., Proceedings of the 30th International BCS Human Computer Interaction Conference, HCI 2016 , 2016, DOI: 10.14236/ewic/HCI2016.
	A review and costing of lightweight authentication schemes for internet of things (IoT): Towards design of an authentication architecture for smart home applications, A., Gamundani et al., Lecture Notes of the Institute for Computer Sciences, Social-Info
	A review of connectivity challenges in IoT-smart home, S., Samuel et al., 2016 3rd MEC International Conference on Big Data and Smart City, ICBDS 2016 , 2016, DOI: 10.1109/ICBDSC.2016.7460395
	A review of decision support systems for smart homes in the health care system, D., Baumgartel et al., Studies in Health Technology and Informatics , 2018, DOI: 10.3233/978-1-61499-852-5-476
	A Review of Deep Reinforcement Learning for Smart Building Energy Management, Yu, Liang et al., IEEE Internet of Things Journal, 2021, DOI: 10.1109/IIOT.2021.3078462
	A review of energy consumption forecasting in smart buildings: Methods, input variables, forecasting horizon and metrics, D., Mariano-Hernandez et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/app10238323

	A review of Internet of Things for smart home: Challenges and solutions, B., Risteska Stojkoska et al., Journal of Cleaner Production , 2017, DOI: 10.1016/j.jclepro.2016.10.006
	A review of ontologies within the domain of smart and ongoing commissioning, S., Gilani et al., Building and Environment , 2020, DOI: 10.1016/j.buildenv.2020.107099
	A review of recent advances on reinforcement learning for smart home energy management, H., Zhang et al., 2020 IEEE Electric Power and Energy Conference, EPEC 2020 , 2020, DOI: 10.1109/EPEC48502.2020.9320042
	A review of scheduling techniques and communication protocols for smart homes capable of implementing demand response, G., Singh et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-15-0214-9_54
	A review of security system for smart home applications, M., Ab-Rahman et al., Journal of Computer Science , 2012, DOI: 10.3844/jcssp.2012.1165.1170
	A review of smart and responsive building technologies and their classifications, F., Carlucci et al., Future Cities and Environment , 2021, DOI: 10.5334/fce.123
	A review of smart building sensing system for better indoor environment control, B., Dong et al., Energy and Buildings , 2019, DOI: 10.1016/j.enbuild.2019.06.025
	A review of smart design based on interactive experience in building systems, Z., Li et al., Sustainability (Switzerland) , 2020, DOI: 10.3390/SU12176760
	A review of smart home applications based on Internet of Things, M., Alaa et al., Journal of Network and Computer Applications , 2017, DOI: 10.1016/j.jnca.2017.08.017
	A review of smart homes - Past, present, and future, M.R., Alam et al., IEEE Transactions on Systems, Man and Cybernetics Part C: Applications and Reviews , 2012, DOI: 10.1109/TSMCC.2012.2189204
	A review of smart homes in healthcare, M., Amiribesheli et al., Journal of Ambient Intelligence and Humanized Computing , 2015, DOI: 10.1007/s12652-015-0270-2
	A review of smart homes-Present state and future challenges, M., Chan et al., Computer Methods and Programs in Biomedicine , 2008, DOI: 10.1016/j.cmpb.2008.02.001
	A review of smart house analysis methods for assisting older people living alone, V., Sanchez et al., Journal of Sensor and Actuator Networks , 2017, DOI: 10.3390/jsan6030011
	A review of smart living space development in a cloud computing network environment, S., Chen et al., Computer-Aided Design and Applications , 2009, DOI: 10.3722/cadaps.2009.513-527
	A review of studies applying machine learning models to predict occupancy and window-opening behaviours in smart buildings, X., Dai et al., Energy and Buildings , 2020, DOI: 10.1016/j.enbuild.2020.110159
	A review of systems and technologies for smart homes and smart grids, G., Lobaccaro et al., Energies , 2016, DOI: 10.3390/en9050348
	A review of technologies and applications for smart construction, M., Stefanic et al., Proceedings of the Institution of Civil Engineers: Civil Engineering , 2019, DOI: 10.1680/jcien.17.00050
	A review of the recent developments in integrating machine learning models with sensor devices in the smart buildings sector with a view to attaining enhanced sensing, energy efficiency, and optimal building management, D.M., Petrosanu et al., Energies ,
	A review of wellness detection techniques using complex activities association in smart-homes, N., Aldhafferi et al., Journal of Computational and Theoretical Nanoscience , 2018, DOI: 10.1166/jctn.2018.7309
	A review on cyber -physical security of smart buildings and infrastructure, U., Osisiogu et al., 2019 15th International Conference on Electronics, Computer and Computation, ICECCO 2019 , 2019, DOI: 10.1109/ICECCO48375.2019.9043207
	A review on energy consumption optimization techniques in IoT based smart building environments, A.S., Shah et al., Information (Switzerland) , 2019, DOI: 10.3390/info10030108

	A Review on Energy Management Methodologies for LED Lighting Systems in Smart Buildings, H.F., Chinchero et al., Proceedings - 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Syst
	A review on hexacyanoferrate-based materials for energy storage and smart windows: Challenges and perspectives, A., Paoella et al., Journal of Materials Chemistry A , 2017, DOI: 10.1039/c7ta05121b
	A Review on Impact of Internet of Things (IoT) on Individual Privacy in Smart Home Systems, Marafa, Fadimatu Muhammad et al., Proceedings of 2021 2nd International Conference on Intelligent Engineering and Management, ICIEM 2021, 2021, DOI: 10.1109/ICIEM5
	A review on intelligent process for smart home applications based on IoT: coherent taxonomy, motivation, open challenges, and recommendations, A., Zaidan et al., Artificial Intelligence Review , 2020, DOI: 10.1007/s10462-018-9648-9
	A Review on Internet of Things Smart Homes, Challenges, Open Issues and Countermeasures, B.D., Julies et al., Advances in Intelligent Systems and Computing , 2020, DOI: 10.1007/978-3-030-63322-6_93
	A Review on Interoperability and Integration in Smart Homes, R., Sharma et al., Communications in Computer and Information Science , 2020, DOI: 10.1007/978-981-15-4451-4_11
	A review on optimized control systems for building energy and comfort management of smart sustainable buildings, P., Shaikh et al., Renewable and Sustainable Energy Reviews , 2014, DOI: 10.1016/j.rser.2014.03.027
	A Review on Smart Autobot in Building Eradication Using WSN Technology, S., Agnes Shifani et al., Proceedings of the 4th International Conference on Inventive Systems and Control, ICISC 2020 , 2020, DOI: 10.1109/ICISC47916.2020.9171103
	A review on smart home present state and challenges: linked to context-awareness internet of things (IoT), Z.A., Almusaylim et al., Wireless Networks , 2019, DOI: 10.1007/s11276-018-1712-5
	A review on smart home technology, S., Suresh et al., IC-GET 2015 - Proceedings of 2015 Online International Conference on Green Engineering and Technologies , 2016, DOI: 10.1109/GET.2015.7453832
	A Review on Solar Energy-Based Smart Greenhouse, P., Wangmo et al., Lecture Notes in Mechanical Engineering , 2020, DOI: 10.1007/978-981-15-1071-7_52
	A review on vision surveillance techniques in smart home environments, M., Brezovan et al., Proceedings - 19th International Conference on Control Systems and Computer Science, CSCS 2013 , 2013, DOI: 10.1109/CSCS.2013.30
	A review on ZigBee security enhancement in smart home environment, M.A., Bin Karnain et al., 2015 IEEE 2nd International Conference on Information Science and Security, ICISSE 2015 , 2016, DOI: 10.1109/ICISSEC.2015.7370969
	A review: Design of smart home electrical management system based on IoT, M., Radja et al., 2019 International Conference on Information and Communications Technology, ICOIACT 2019 , 2019, DOI: 10.1109/ICOIACT46704.2019.8938426
	A review: IoT based power & security management for smart home system, D., Namdeo et al., Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017 , 2017, DOI: 10.1109/ICECA.2017.8203598
	A scientometric review of smart construction site in construction engineering and management: Analysis and visualization, Liu, Honglei et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su13168860
	A Short Review on Smart Building Energy Resource Optimization, R.L., Joench et al., 2019 IEEE PES GTD Grand International Conference and Exposition Asia, GTD Asia 2019 , 2019, DOI: 10.1109/GTDAsia.2019.8715982
	A state-of-the-art review on artificial intelligence for Smart Buildings, R., Panchalingam et al., Intelligent Buildings International , 2019, DOI: 10.1080/17508975.2019.1613219

	A survey and surveillance issues in smart homes environment for assistive living, R., Patrick et al., <i>Biometrics: Concepts, Methodologies, Tools, and Applications</i> , 2016, DOI: 10.4018/978-1-5225-0983-7.ch052
	A survey base study about the effectiveness of smart home applications in Pakistan, R., Rasheed et al., 2018 International Conference on Engineering and Emerging Technologies, ICEET 2018 , 2018, DOI: 10.1109/ICEET1.2018.8338640
	A survey based on Smart Homes system using Internet-of-Things, P., Gaikwad et al., 4th IEEE Sponsored International Conference on Computation of Power, Energy, Information and Communication, ICCPEIC 2015 , 2015, DOI: 10.1109/ICCPEIC.2015.7259486
	A survey of contemporary technologies for smart home energy management, A., Kailas et al., <i>Handbook of Green Information and Communication Systems</i> , 2013, DOI: 10.1016/B978-0-12-415844-3.00002-4
	A survey of group activity recognition in smart building, C., Fauzi et al., 2018 International Conference on Signals and Systems, ICSigSys 2018 - Proceedings , 2018, DOI: 10.1109/ICSIGSYS.2018.8372651
	A survey of human activity recognition in smart homes based on iot sensors algorithms: Taxonomies, challenges, and opportunities with deep learning, Bouchabou, Damien et al., <i>Sensors</i> , 2021, DOI: 10.3390/s21186037
	A Survey of Smart Buildings and Homes using Low-Power Wide-Area Network (LoRa WAN), A.S., Shaker et al., 4th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2020 - Proceedings , 2020, DOI: 10.1109/ISMSIT50672.2020
	A survey of smart home interface preferences for U.S. and Korean users, K.A., Jeong et al., <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009, DOI: 10.1518/107118109x12524442635383
	A Survey of User-Centred Approaches for Smart Home Transfer Learning and New User Home Automation Adaptation, S.M.M., Ali et al., <i>Applied Artificial Intelligence</i> , 2019, DOI: 10.1080/08839514.2019.1603784
	A survey on communication components for IoT-based technologies in smart homes, A.A., Zaidan et al., <i>Telecommunication Systems</i> , 2018, DOI: 10.1007/s11235-018-0430-8
	A Survey on Criteria for Smart Home Systems with Integration into the Analytic Hierarchy Process, G., Wieland et al., <i>Lecture Notes in Business Information Processing</i> , 2021, DOI: 10.1007/978-3-030-73976-8_5
	A survey on health monitoring systems for health smart homes, H., Mshali et al., <i>International Journal of Industrial Ergonomics</i> , 2018, DOI: 10.1016/j.ergon.2018.02.002
	A Survey on Internet of Things Security Based on Smart Home, X., Feng et al., <i>Proceedings - 2018 5th Asia-Pacific World Congress on Computer Science and Engineering, APWC on CSE 2018</i> , 2018, DOI: 10.1109/APWConCSE.2018.00022
	A Survey on Smart Home Authentication: Toward Secure, Multi-Level and Interaction-Based Identification, S., Aljanah et al., <i>IEEE Access</i> , 2021, DOI: 10.1109/ACCESS.2021.3114152
	A Survey on Smart Homes for Aging in Place: Toward Solutions to the Specific Needs of the Elderly, V., Nathan et al., <i>IEEE Signal Processing Magazine</i> , 2018, DOI: 10.1109/MSP.2018.2846286
	A survey on software defined networking enabled smart buildings: Architecture, challenges and use cases, M.U., Younus et al., <i>Journal of Network and Computer Applications</i> , 2019, DOI: 10.1016/j.jnca.2019.04.002
	A Survey on the Applications of Smart Home Systems, J.A., Fadhil et al., <i>Proceedings of the 2020 International Conference on Computer Science and Software Engineering, CSASE 2020</i> , 2020, DOI: 10.1109/CSASE48920.2020.9142103
	A Survey on the security of smart homes: Issues and solutions, M., Khawla et al., <i>ACM International Conference Proceeding Series</i> , 2018, DOI: 10.1145/3289100.3289114

	A survey on the smart home environment: Architecture and protocols, K., Mazwa et al., Journal of Advanced Research in Dynamical and Control Systems , 2020, DOI: 10.5373/JARDCS/V12SP4/20201596
	A Survey on various technologies used in human identification for smart home, S.S., Priyadharshini et al., Proceedings of the 3rd International Conference on Communication and Electronics Systems, ICCES 2018 , 2018, DOI: 10.1109/CESYS.2018.8724064
	A systematic content review of artificial intelligence and the internet of things applications in smart home, S., Sepasgozar et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/app10093074
	A systematic literature review on the use of artificial intelligence in energy self-management in smart buildings, Aguilar, J. et al., Renewable and Sustainable Energy Reviews, 2021, DOI: 10.1016/j.rser.2021.111530
	A systematic review of smart real estate technology: Drivers of, and barriers to, the use of digital disruptive technologies and online platforms, F., Ullah et al., Sustainability (Switzerland) , 2018, DOI: 10.3390/su10093142
	A systematic review of the most recent concepts in smart windows technologies with a focus on electrochromics, Brzezicki, Marcin et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su13179604
	A systematic review of the research framework and evolution of smart homes based on the internet of things, Sun, Yi et al., Telecommunication Systems, 2021, DOI: 10.1007/s11235-021-00787-w
	A systematic review of the smart home literature: A user perspective, D., Marikyan et al., Technological Forecasting and Social Change , 2019, DOI: 10.1016/j.techfore.2018.08.015
	Access control and authorization in smart homes: A survey, Mohammad, Ziarmal Nazar et al., Tsinghua Science and Technology, 2021, DOI: 10.26599/TST.2021.9010001
	Activity and anomaly detection in smart home: A survey, U.A.B.U.A., Bakar et al., Next Generation Sensors and Systems , 2015, DOI: 10.1007/978-3-319-21671-3_9
	Activity and participation, quality of life and user satisfaction outcomes of environmental control systems and smart home technology: A systematic review, A., Brandt et al., Disability and Rehabilitation: Assistive Technology , 2011, DOI: 10.3109/174831
	Adaptive-predictive control strategy for HVAC systems in smart buildings – A review, M., Gholamzadehmir et al., Sustainable Cities and Society , 2020, DOI: 10.1016/j.scs.2020.102480
	Adopting Building Information Modeling (BIM) for the Development of Smart Buildings: A Review of Enabling Applications and Challenges, A., Yang et al., Advances in Civil Engineering , 2021, DOI: 10.1155/2021/8811476
	Adopting Internet of Things for the development of smart buildings: A review of enabling technologies and applications, M., Jia et al., Automation in Construction , 2019, DOI: 10.1016/j.autcon.2019.01.023
	Advanced survey of blockchain for the internet of things smart home, M., Abunaser et al., 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology, JEEIT 2019 - Proceedings , 2019, DOI: 10.1109/JEEIT.2019.87174
	An ambient assisted living for smart home to wealthy life: A short review, V., Venkatesh et al., Research Journal of Information Technology , 2013, DOI: 10.3923/rjit.2013.1.11
	An assessment of opinions and perceptions of smart thermostats using aspect-based sentiment analysis of online reviews, D., Malekpour Koupaei et al., Building and Environment , 2020, DOI: 10.1016/j.buildenv.2019.106603
	Anonymous agent coordination in smart spaces: State-of-the-art, A., Smirnov et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2009, DOI: 10.1007/978-3-642-04190-

	Attitudes and Perceptions Toward Voice-Operated Smart Speakers Among Low-Income Senior Housing Residents: Comparison of Pre- and Post-Installation Surveys, J., Chung et al., <i>Gerontology and Geriatric Medicine</i> , 2021, DOI: 10.1177/23337214211005869
	Automation systems in smart buildings: a review, D.S., Vijayan et al., <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, DOI: 10.1007/s12652-020-02666-9
	BIM-Based digital twin and XR devices to improve maintenance procedures in smart buildings: A literature review, Coupry, Corentin et al., <i>Applied Sciences (Switzerland)</i> , 2021, DOI: 10.3390/app11156810
	Blockchain for smart homes: Review of current trends and research challenges, M., Moniruzzaman et al., <i>Computers and Electrical Engineering</i> , 2020, DOI: 10.1016/j.compeleceng.2020.106585
	Brain-computer interface systems for smart homes-a review study, M., Maleki et al., <i>Recent Advances in Electrical and Electronic Engineering</i> , 2021, DOI: 10.2174/2352096513999200727175948
	Building information modelling applications in smart buildings: From design to commissioning and beyond A critical review, C., Panteli et al., <i>Journal of Cleaner Production</i> , 2020, DOI: 10.1016/j.jclepro.2020.121766
	Changing World: Smart Homes Review and Future, Tiwari, Pooja et al., <i>EAI/Springer Innovations in Communication and Computing</i> , 2022, DOI: 10.1007/978-3-030-71485-7_9
	Collaborative Smart Home technologies for senior independent living: A review, M., Bal et al., <i>Proceedings of the 2011 15th International Conference on Computer Supported Cooperative Work in Design, CSCWD 2011</i> , 2011, DOI: 10.1109/CSCWD.2011.5960116
	Comparison of the energy saving potential of adaptive and controllable smart windows: A state-of-the-art review and simulation studies of thermochromic, photochromic and electrochromic technologies, R., Tallberg et al., <i>Solar Energy Materials and Solar C</i>
	Comprehensive Review of Optimal and Smart Design of Nonlinear Building Structures With and Without Passive Dampers Subjected to Earthquake Loading, I., Takewaki et al., <i>Frontiers in Built Environment</i> , 2021, DOI: 10.3389/fbuil.2021.631114
	Control strategies of electrical power on smart buildings, a review, J., Alvarez-Alvarado et al., <i>International Review of Electrical Engineering</i> , 2015, DOI: 10.15866/iree.v10i6.8053
	Convenience Survey of IoT House Equipment for a Smart Life, H., Ikezawa et al., <i>LifeTech 2020 - 2020 IEEE 2nd Global Conference on Life Sciences and Technologies</i> , 2020, DOI: 10.1109/LifeTech48969.2020.1570619077
	Coordination of smart home energy management systems in neighborhood areas: A systematic review, F., Etedadi Aliabadi et al., <i>IEEE Access</i> , 2021, DOI: 10.1109/ACCESS.2021.3061995
	Cross-Sectional Analysis of the Relationship between Home Blood Pressure and Indoor Temperature in Winter: A Nationwide Smart Wellness Housing Survey in Japan, W., Umishio et al., <i>Hypertension</i> , 2019, DOI: 10.1161/HYPERTENSIONAHA.119.12914
	Deep learning approaches for human-centered IoT applications in smart indoor environments: a contemporary survey, M., Abdel-Basset et al., <i>Annals of Operations Research</i> , 2021, DOI: 10.1007/s10479-021-04164-3
	Demand response and smart buildings: A survey of control, communication, and cyber-physical security, J., Qi et al., <i>ACM Transactions on Cyber-Physical Systems</i> , 2017, DOI: 10.1145/3009972
	Demand side management for smart houses: A survey, Salameh, Khoulood et al., <i>Sustainability (Switzerland)</i> , 2021, DOI: 10.3390/su13126768
	Disparities of indoor temperature in winter: A cross-sectional analysis of the Nationwide Smart Wellness Housing Survey in Japan, W., Umishio et al., <i>Indoor Air</i> , 2020, DOI: 10.1111/ina.12708
	Does smart home technology prevent falls in community-dwelling older adults: A literature review, E., Pietrzak et al., <i>Informatics in Primary Care</i> , 2014, DOI: 10.14236/jhi.v21i3.64

	Electric Vehicles for Smart Buildings: A Survey on Applications, Energy Management Methods, and Battery Degradation, Nazari, Shima et al., Proceedings of the IEEE, 2021, DOI: 10.1109/JPROC.2020.3038585
	Electrically actuated visible and near-infrared regulating switchable smart window for energy positive building: A review, Nundy, Srijita et al., Journal of Cleaner Production, 2021, DOI: 10.1016/j.jclepro.2021.126854
	Electrocardiogram abnormalities in residents in cold homes: a cross-sectional analysis of the nationwide Smart Wellness Housing survey in Japan, Umishio, Wataru et al., Environmental Health and Preventive Medicine, 2021, DOI: 10.1186/s12199-021-01024-1
	Enabling smart air conditioning by sensor development: A review, C., Cheng et al., Sensors (Switzerland) , 2016, DOI: 10.3390/s16122028
	Enabling Technologies for Smart Construction Engineering: A Review, F., Parisi et al., IEEE International Conference on Automation Science and Engineering , 2020, DOI: 10.1109/CASE48305.2020.9216951
	End-user development tools for the smart home: A systematic literature review, D., Fogli et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2016, DOI: 10.1007/978
	Energy management for smart homes-state of the art, B., Lashkari et al., Applied Sciences (Switzerland) , 2019, DOI: 10.3390/app9173459
	Energy management strategies for smart home regarding uncertainties: State of the art, trends, and challenges, M., Yousefi et al., Proceedings of the IEEE International Conference on Industrial Technology , 2018, DOI: 10.1109/ICIT.2018.8352352
	Energy resource management in smart home: State of the art and challenges ahead, A., Rathnayaka et al., Smart Innovation, Systems and Technologies , 2012, DOI: 10.1007/978-3-642-27509-8_34
	Enhancing security in smart homes-A review, B., Janita et al., Advances in Intelligent Systems and Computing , 2020, DOI: 10.1007/978-981-15-2780-7_40
	Establishing a common service platform for smart living: Challenges and a research agenda, F., Nikayin et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2011, DO
	Ethical Considerations Regarding the Use of Smart Home Technologies for Older Adults: An Integrative Review, J., Chung et al., Annual review of nursing research , 2016, DOI: 10.1891/0739-6686.34.155
	Ethics of smart house welfare technology for older adults: A systematic literature review, V., Sanchez et al., International Journal of Technology Assessment in Health Care , 2017, DOI: 10.1017/S0266462317000964
	Evaluation of three state-of-the-art classifiers for recognition of activities of daily living from smart home ambient data, T., Nef et al., Sensors (Switzerland) , 2015, DOI: 10.3390/s150511725
	Fault detection and diagnosis for smart buildings: State of the art, trends and challenges, S., Lazarova-Molnar et al., 2016 3rd MEC International Conference on Big Data and Smart City, ICBDSO 2016 , 2016, DOI: 10.1109/ICBDSC.2016.7460392
	Fog-based smart homes: A systematic review, M., Rahimi et al., Journal of Network and Computer Applications , 2020, DOI: 10.1016/j.jnca.2020.102531
	Framing the evidence for health smart homes and home-based consumer health technologies as a public health intervention for independent aging: A systematic review, B., Reeder et al., International Journal of Medical Informatics , 2013, DOI: 10.1016/j.ijm
	Future Smart Facilities: State-of-the-Art BIM-Enabled Facility Management, P., Pishdad-Bozorgi et al., Journal of Construction Engineering and Management , 2017, DOI: 10.1061/(ASCE)CO.1943-7862.0001376
	General review of air-conditioning in green and smart buildings, D., Bravo et al., Revista Ingenieria de Construccin , 2020, DOI: 10.4067/S0718-50732020000200192

	Geopolymers vs. Cement matrix materials: How nanofiller can help a sustainability approach for smart construction applications—a review, Valente, Marco et al., <i>Nanomaterials</i> , 2021, DOI: 10.3390/nano11082007
	Hardware for recognition of human activities: A review of smart home and AAL related technologies, A., Sanchez-Comas et al., <i>Sensors (Switzerland)</i> , 2020, DOI: 10.3390/s20154227
	How smart homes are used to support older people: An integrative review, R., Turjamaa et al., <i>International Journal of Older People Nursing</i> , 2019, DOI: 10.1111/opn.12260
	Impact of indoor temperature instability on diurnal and day-by-day variability of home blood pressure in winter: a nationwide Smart Wellness Housing survey in Japan, W., Umishio et al., <i>Hypertension Research</i> , 2021, DOI: 10.1038/s41440-021-00699-x
	Indoor location-aware medical systems for smart homecare and telehealth monitoring: State-of-the-art, F., Santoso et al., <i>Physiological Measurement</i> , 2015, DOI: 10.1088/0967-3334/36/10/R53
	Internet of things: A survey of technologies and security risks in smart home and city environments, D., Bastos et al., <i>IET Conference Publications</i> , 2018, DOI: 10.1049/cp.2018.0030
	Interoperability in Smart Living Network—A Survey, M., Durairaj et al., <i>Lecture Notes in Electrical Engineering</i> , 2020, DOI: 10.1007/978-981-15-2612-1_7
	IoT and Big Data Analytics for Smart Buildings: A Survey, A., Daissaoui et al., <i>Procedia Computer Science</i> , 2020, DOI: 10.1016/j.procs.2020.03.021
	IoT enabled smart buildings: A systematic review, M.R., Bashir et al., 2017 <i>Intelligent Systems Conference, IntelliSys 2017</i> , 2018, DOI: 10.1109/IntelliSys.2017.8324283
	IoT smart homes based on RFID technology: Localization systems review, Z., Labbi et al., <i>ACM International Conference Proceeding Series</i> , 2018, DOI: 10.1145/3234698.3234700
	IoT-based smart homes: A review of system architecture, software, communications, privacy and security, D., Mocrii et al., <i>Internet of Things (Netherlands)</i> , 2018, DOI: 10.1016/j.iot.2018.08.009
	LED lighting systems for smart buildings: a review, H.F., Chinchero et al., <i>IET Smart Cities</i> , 2020, DOI: 10.1049/iet-smc.2020.0061
	Leveraging Machine Learning and Big Data for Smart Buildings: A Comprehensive Survey, B., Qolomany et al., <i>IEEE Access</i> , 2019, DOI: 10.1109/ACCESS.2019.2926642
	Light Transmitting and Self Cleansing Concrete as a Smart Building Material-A Review, M., Dutta et al., 2018 <i>International Conference on Smart City and Emerging Technology, ICSCET 2018</i> , 2018, DOI: 10.1109/ICSCET.2018.8537328
	Machine Learning and Internet of Things for Smart Living: A Comprehensive Review and Analysis, M.S., Rashmi Bandara et al., <i>Studies in Fuzziness and Soft Computing</i> , 2021, DOI: 10.1007/978-3-030-70111-6_8
	Machine learning for smart building applications: Review and taxonomy, D., Djenouri et al., <i>ACM Computing Surveys</i> , 2019, DOI: 10.1145/3311950
	Managing thermal comfort in contemporary high-rise residential buildings: Using smart thermostats and surveys to identify energy efficiency and comfort opportunities, H., Stopps et al., <i>Building and Environment</i> , 2020, DOI: 10.1016/j.buildenv.2020.106748
	Microlocation for Smart Buildings in the Era of the Internet of Things: A Survey of Technologies, Techniques, and Approaches, P., Spachos et al., <i>IEEE Signal Processing Magazine</i> , 2018, DOI: 10.1109/MSP.2018.2846804
	Motivations, barriers and risks of smart home adoption: From systematic literature review to conceptual framework, Li, Wenda et al., <i>Energy Research and Social Science</i> , 2021, DOI: 10.1016/j.erss.2021.102211
	Non-wearable human identification sensors for smart home environment: a review, G., Mokhtari et al., <i>Sensor Review</i> , 2018, DOI: 10.1108/SR-07-2017-0140

	Occupant behavior modeling for smart buildings: A critical review of data acquisition technologies and modeling methodologies, M., Jia et al., Proceedings - Winter Simulation Conference , 2016, DOI: 10.1109/WSC.2015.7408496
	Of impacts, agents, and functions: An interdisciplinary meta-review of smart home energy management systems research, C., McIlvennie et al., Energy Research and Social Science , 2020, DOI: 10.1016/j.erss.2020.101555
	On analyzing user location discovery methods in smart homes: A taxonomy and survey, E., Ahvar et al., Journal of Network and Computer Applications , 2016, DOI: 10.1016/j.jnca.2016.09.012
	On the design of a survey for reconciling consumer behaviors with demand response in the smart home, A., Zipperer et al., 45th North American Power Symposium, NAPS 2013 , 2013, DOI: 10.1109/NAPS.2013.6666889
	On the identification, evaluation and treatment of risks in smart homes: A systematic literature review, Iten, Raphael et al., Risks, 2021, DOI: 10.3390/risks9060113
	Ontologies for smart homes and energy management: An implementation-driven survey, M., Grassi et al., 2013 Workshop on Modeling and Simulation of Cyber-Physical Energy Systems, MSCPES 2013 , 2013, DOI: 10.1109/MSCPES.2013.6623319
	Optimization methods for power scheduling problems in smart home: Survey, S.N., Makhadmeh et al., Renewable and Sustainable Energy Reviews , 2019, DOI: 10.1016/j.rser.2019.109362
	Performance based approaches in standards and regulations for smart ventilation in residential buildings: a summary review, G., Guyot et al., International Journal of Ventilation , 2019, DOI: 10.1080/14733315.2018.1435025
	Personal Protective Equipment (PPE) usage in Construction Projects: A Systematic Review and Smart PLS Approach, S., Ammad et al., Ain Shams Engineering Journal , 2021, DOI: 10.1016/j.asej.2021.04.001
	Perspectives of older adults and informal caregivers on information visualization for smart home monitoring systems: A critical review, F., Chang et al., Advances in Intelligent Systems and Computing , 2019, DOI: 10.1007/978-3-319-96077-7_74
	Project management processes in the adoption of smart building technologies: a systematic review of constraints, F.A., Ghansah et al., Smart and Sustainable Built Environment , 2020, DOI: 10.1108/SASBE-12-2019-0161
	Properties, requirements and possibilities of smart windows for dynamic daylight and solar energy control in buildings: A state-of-the-art review, R., Baetens et al., Solar Energy Materials and Solar Cells , 2010, DOI: 10.1016/j.solmat.2009.08.021
	Reasoning in multi-agent based smart homes: A systematic literature review, D.N., Mekuria et al., Lecture Notes in Electrical Engineering , 2018, DOI: 10.1007/978-3-030-05921-7_13
	Residential Electrical Load Monitoring and Modeling–State of the Art and Future Trends for Smart Homes and Grids, X., Yuan et al., Electric Power Components and Systems , 2020, DOI: 10.1080/15325008.2020.1834019
	Review and Performance Analysis on Wireless Smart Home and Home Automation using IoT, K., Agarwal et al., Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2019 , 2019, DOI: 10.1109/I-SMAC47947.2
	Review of approaches, opportunities, and future directions for improving aerodynamics of tall buildings with smart facades, Jafari, Mohammad et al., Sustainable Cities and Society, 2021, DOI: 10.1016/j.scs.2021.102979
	Review of communication technologies for smart homes/building applications, M., Kuzlu et al., Proceedings of the 2015 IEEE Innovative Smart Grid Technologies - Asia, ISGT ASIA 2015 , 2016, DOI: 10.1109/ISGT-Asia.2015.7437036
	Review of Ethereum: Smart home case study, Y.N., Aung et al., Proceeding of 2017 2nd International Conference on Information Technology, INCIT 2017 , 2017, DOI: 10.1109/INCIT.2017.8257877

	Review of methods to map people's daily activity - Application for smart homes, S., Gauthier et al., Smart Innovation, Systems and Technologies , 2013, DOI: 10.1007/978-3-642-36645-1_38
	Review of Smart Home Energy Management Systems, Y., Liu et al., Energy Procedia , 2016, DOI: 10.1016/j.egypro.2016.12.085
	Review on smart electronic nose coupled with artificial intelligence for air quality monitoring, R., Faleh et al., Advances in Science, Technology and Engineering Systems , 2020, DOI: 10.25046/aj050292
	Review on smart home energy management, A.K., Nanda et al., International Journal of Ambient Energy , 2016, DOI: 10.1080/01430750.2015.1004107
	Review on smart ventilation systems, S.L., Dhar et al., Journal of Critical Reviews , 2020, DOI: 10.31838/jcr.07.03.144
	Review: smart windows based on photonic crystals, M., Feng et al., Journal of Materials Science , 2020, DOI: 10.1007/s10853-020-04460-6
	RFID localisation for internet of things smart homes: A survey, B., Alsinglawi et al., International Journal of Computer Networks and Communications , 2017, DOI: 10.5121/ijcnc.2017.9107
	SDN, slicing, and NFV paradigms for a smart home: A comprehensive survey, L., Ben Azzouz et al., Transactions on Emerging Telecommunications Technologies , 2019, DOI: 10.1002/ett.3744
	Security and Privacy in the Smart Home: A Survey of Issues and Mitigation Strategies, M.K., Kuyucu et al., UBMC 2019 - Proceedings, 4th International Conference on Computer Science and Engineering , 2019, DOI: 10.1109/UBMC.2019.8907037
	Security over smart home automation systems: A survey, J.J., Barriga A et al., Smart Innovation, Systems and Technologies , 2018, DOI: 10.1007/978-3-319-78605-6_7
	Security, comfort, healthcare, and energy saving: A review on biometric factors for smart home environment, T.K., Ghazali et al., Journal of Computers (Taiwan) , 2018, DOI: 10.3966/199115992018012901017
	Sensing, Controlling, and IoT Infrastructure in Smart Building: A Review, A., Verma et al., IEEE Sensors Journal , 2019, DOI: 10.1109/JSEN.2019.2922409
	Sensor-Driven Achieving of Smart Living: A Review, Leelaarporn, Pitshaporn et al., IEEE Sensors Journal, 2021, DOI: 10.1109/JSEN.2021.3059304
	Smart Building: A Literature Review, A., Latifah et al., 7th International Conference on ICT for Smart Society: AIoT for Smart Society, ICISS 2020 - Proceeding , 2020, DOI: 10.1109/ICISS0791.2020.9307552
	Smart buildings features and key performance indicators: A review, J., Al Dakheel et al., Sustainable Cities and Society , 2020, DOI: 10.1016/j.scs.2020.102328
	Smart Fire Emergency System for Buildings: A Review, R.A., Dziyauddin et al., 2018 2nd International Conference on Telematics and Future Generation Networks, TAFGEN 2018 , 2018, DOI: 10.1109/TAFGEN.2018.8580468
	Smart Health Caring Home: A Systematic Review of Smart Home Care for Elders and Chronic Disease Patients, M., Moraitou et al., Advances in Experimental Medicine and Biology , 2017, DOI: 10.1007/978-3-319-57348-9_22
	Smart home activities: A literature review, A., Saad Al-Sumaiti et al., Electric Power Components and Systems , 2014, DOI: 10.1080/15325008.2013.832439
	Smart home and communication technology for people with disability: a scoping review, R., Jamwal et al., Disability and Rehabilitation: Assistive Technology , 2020, DOI: 10.1080/17483107.2020.1818138
	Smart home automation in the IoT era: A communication technologies review, V.A., Orfanos et al., AIP Conference Proceedings , 2020, DOI: 10.1063/5.0032939
	Smart home automation system methodologies-a review, P., Sivagami et al., Proceedings of the 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2021 , 2021, DOI: 10.1109/ICICV50876.2021.9388491

	Smart Home Based on WiFi Sensing: A Survey, H., Jiang et al., IEEE Access , 2018, DOI: 10.1109/ACCESS.2018.2812887
	Smart home energy management system—a review, A.Q.H., Badar et al., Advances in Building Energy Research , 2020, DOI: 10.1080/17512549.2020.1806925
	Smart home energy management systems survey, M., Amer et al., 2014 International Conference on Renewable Energies for Developing Countries, REDEC 2014 , 2014, DOI: 10.1109/REDEC.2014.7038551
	Smart home modification design strategies for ageing in place: a systematic review, C., Ma et al., Journal of Housing and the Built Environment , 2021, DOI: 10.1007/s10901-021-09888-z
	Smart Home Personal Assistants: A Security and Privacy Review, J.S., Edu et al., ACM Computing Surveys , 2021, DOI: 10.1145/3412383
	Smart home reasoning systems: a systematic literature review, Mekuria, Dagmawi Neway et al., Journal of Ambient Intelligence and Humanized Computing, 2021, DOI: 10.1007/s12652-019-01572-z
	Smart Home Supporting Integrated Health and Care Services for Older Adults in the Community: Literature review and research agenda, S., Colnar et al., 2020 24th International Conference on System Theory, Control and Computing, ICSTCC 2020 - Proceedings ,
	Smart home technologies in Europe: A critical review of concepts, benefits, risks and policies, B.K., Sovacool et al., Renewable and Sustainable Energy Reviews , 2020, DOI: 10.1016/j.rser.2019.109663
	Smart home technologies: A preliminary review, S., Balakrishnan et al., ACM International Conference Proceeding Series , 2018, DOI: 10.1145/3301551.3301575
	Smart Home-based IoT for Real-time and Secure Remote Health Monitoring of Triage and Priority System using Body Sensors: Multi-driven Systematic Review, M., Talal et al., Journal of Medical Systems , 2019, DOI: 10.1007/s10916-019-1158-z
	Smart homes and home health monitoring technologies for older adults: A systematic review, L., Liu et al., International Journal of Medical Informatics , 2016, DOI: 10.1016/j.ijmedinf.2016.04.007
	Smart Homes and Quality of Life for the Elderly: A Systematic Review, D., Pal et al., Proceedings - 2017 IEEE International Symposium on Multimedia, ISM 2017 , 2017, DOI: 10.1109/ISM.2017.83
	Smart homes for people with neurological disability: State of the art, T., Gentry et al., NeuroRehabilitation , 2009, DOI: 10.3233/NRE-2009-0517
	Smart houses and multi-agent systems: A short review, M., Janosek et al., AIP Conference Proceedings , 2019, DOI: 10.1063/1.5114047
	Smart indoor lighting systems with luminaire-based sensing: A review of lighting control approaches, A., Pandharipande et al., Energy and Buildings , 2015, DOI: 10.1016/j.enbuild.2015.07.035
	Smart monitoring technologies for personal thermal comfort: A review, Culic, Ana et al., Journal of Cleaner Production, 2021, DOI: 10.1016/j.jclepro.2021.127685
	Smart secure homes: a survey of smart home technologies that sense, assess, and respond to security threats, J., Dahmen et al., Journal of Reliable Intelligent Environments , 2017, DOI: 10.1007/s40860-017-0035-0
	Smart ventilation energy and indoor air quality performance in residential buildings: A review, G., Guyot et al., Energy and Buildings , 2018, DOI: 10.1016/j.enbuild.2017.12.051
	State of the art in smart homes and buildings, W., Kastner et al., Industrial Communication Technology Handbook, Second Edition , 2017, DOI: 10.1201/b17365
	State of the art of smart homes, L.C., De Silva et al., Engineering Applications of Artificial Intelligence , 2012, DOI: 10.1016/j.engappai.2012.05.002
	State of the art: Embedded middleware platform for a smart home, E.U., Warriach et al., International Journal of Smart Home , 2013, DOI: 10.14257/ijsh.2013.7.6.27

	Supporting end users to control their smart home: design implications from a literature review and an empirical investigation, D., Caivano et al., Journal of Systems and Software , 2018, DOI: 10.1016/j.jss.2018.06.035
	Surveillance systems for smart homes: A comparative survey, R., Patrick et al., Proceedings - International Conference on Tools with Artificial Intelligence, ICTAI , 2009, DOI: 10.1109/ICTAI.2009.93
	Survey of IoT-Based Smart Home Approaches, A., Alhammadi et al., 2019 Advances in Science and Engineering Technology International Conferences, ASET 2019 , 2019, DOI: 10.1109/ICASET.2019.8714572
	Survey of Smart Home Security, J., Wang et al., Jisuanji Yanjiu yu Fazhan/Computer Research and Development , 2018, DOI: 10.7544/issn1000-1239.2018.20180585
	Survey on internet of things based smart home, V., Williams et al., Proceedings of the International Conference on Intelligent Sustainable Systems, ICISS 2019 , 2019, DOI: 10.1109/ISS1.2019.8908112
	Survey on Prediction Algorithms in Smart Homes, S., Wu et al., IEEE Internet of Things Journal , 2017, DOI: 10.1109/JIOT.2017.2668061
	Survey on recent smart gateways for smart home: Systems, technologies, and challenges, W., Yan et al., Transactions on Emerging Telecommunications Technologies , 2020, DOI: 10.1002/ett.4067
	Survey on Smart Home Attack and Defense Methods, Yan, Han and Peng, Guojun and Luo, Yuan and Liu, Side et al., Journal of Cyber Security, 2021, DOI: 10.19363/J.cnki.cn10-1380/tn.2021.07.01
	Systematic Literature Review of Smart Home Monitoring Technologies Based on IoT for the Elderly, K., Maswadi et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.2992727
	Systematic review of the literature, research on blockchain technology as support to the trust model proposed applied to smart places, A., Brandao et al., Advances in Intelligent Systems and Computing , 2018, DOI: 10.1007/978-3-319-77703-0_113
	Systematic review: Activity outcomes of environmental control systems and smart home technology, A., Brandt et al., Assistive Technology Research Series , 2009, DOI: 10.3233/978-1-60750-042-1-292
	Systematic Survey on Smart Home Safety and Security Systems Using the Arduino Platform, Q.I., Sarhan et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3008610
	Technologies for an aging society: a systematic review of "smart home" applications., G., Demiris et al., Yearbook of medical informatics , 2008, DOI: 10.1055/s-0038-1638580
	The development of prototype context-aware smart home to facilitate the learning of smart green building: Literature review, R., Chaizara et al., AIP Conference Proceedings , 2019, DOI: 10.1063/1.5139748
	The effect of smart homes on older adults with chronic conditions: A systematic review and meta-analysis, P., Liu et al., Geriatric Nursing , 2019, DOI: 10.1016/j.gerinurse.2019.03.016
	The effectiveness of smart home technologies to support the health outcomes of community-dwelling older adults living with dementia: A scoping review, Moyle, Wendy et al., International Journal of Medical Informatics, 2021, DOI: 10.1016/j.ijmedinf.2021.10
	The elderly's independent living in smart homes: A characterization of activities and sensing infrastructure survey to facilitate services development, Q., Ni et al., Sensors (Switzerland) , 2015, DOI: 10.3390/s150511312
	The Electric Vehicle in Smart Homes: A Review and Future Perspectives, V., Monteiro et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2020, DOI: 10.1007/978-3-030-45694-8_1
	The potential of smart home technology for improving healthcare: a scoping review and reflexive thematic analysis, S., Shafi et al., Housing and Society , 2021, DOI: 10.1080/08882746.2021.1989857

	The social issues of smart home: a review of four European cities' experiences, Pira, Saeid et al., European Journal of Futures Research, 2021, DOI: 10.1186/s40309-021-00173-4
	Thermochromic smart window technologies for building application: A review, M., Aburas et al., Applied Energy , 2019, DOI: 10.1016/j.apenergy.2019.113522
	Towards smart building structures: Adaptive structures in earthquake and wind loading control response - a review, M., Morales-Beltran et al., Intelligent Buildings International , 2013, DOI: 10.1080/17508975.2013.778193
	Towards smart buildings with self-tuned indoor thermal environments – A critical review, S., Lee et al., Energy and Buildings , 2020, DOI: 10.1016/j.enbuild.2020.110172
	Towards the evolution of smart home environments: A survey, A., Bejarano et al., International Journal of Automation and Smart Technology , 2016, DOI: 10.5875/ausmt.v6i3.1039
	Translating smart home research into practice: A survey of current and past smart home researchers, S., Chaudhuri et al., Handbook of Smart Homes, Health Care and Well-Being , 2016, DOI: 10.1007/978-3-319-01583-5_53
	Trust in the smart home: Findings from a nationally representative survey in the UK, S., Cannizzaro et al., PLoS ONE , 2020, DOI: 10.1371/journal.pone.0231615
	Usability requirements for smart buildings' performance testing solutions: A survey, E., Markoska et al., 2019 4th International Conference on Fog and Mobile Edge Computing, FMEC 2019 , 2019, DOI: 10.1109/FMEC.2019.8795308
	User in the loop: Adaptive smart homes exploiting user feedback-State of the art and future directions, A.B., Karami et al., Information (Switzerland) , 2016, DOI: 10.3390/info7020035
	Vibration control on smart civil structures: A review, J.P., Amezquita-Sanchez et al., Mechanics of Advanced Materials and Structures , 2014, DOI: 10.1080/15376494.2012.677103
	What Do family caregivers of Alzheimer's disease patients desire in smart home technologies? Contrasted results of a wide survey, V., Rialle et al., Methods of Information in Medicine , 2008, DOI: 10.3414/ME9102
smart learning, smart education	A comprehensive review of Beaglebone technology: Smart board powered by ARM, A., Nayyar et al., International Journal of Smart Home , 2016, DOI: 10.14257/ijsh.2016.10.4.10
	A review of Beaglebone smart board's-a Linux/android powered low cost development platform based on ARM technology, A., Nayyar et al., Proceedings - 9th International Conference on Future Generation Communication and Networking, FGCN 2015 , 2016, DOI: 10
	A review of proxemics in 'smart game-playing', L.V., Costa et al., Smart Innovation, Systems and Technologies , 2018, DOI: 10.1007/978-3-319-61322-2_22
	A review of the use of smart boards in education, S., Mun et al., 2016 IEEE 8th International Conference on Engineering Education: Enhancing Engineering Education Through Academia-Industry Collaboration, ICEED 2016 , 2017, DOI: 10.1109/ICEED.2016.7856056
	A Review on Smart Question Paper Leakage Detection System, K., Srikanth et al., Proceedings of the 4th International Conference on Computing Methodologies and Communication, ICCMC 2020 , 2020, DOI: 10.1109/ICCMC48092.2020.ICCMC-000188
	Affordances and Core Functions of Smart Learning Environments: A Systematic Literature Review, Tabuenca, Bernardo et al., IEEE Transactions on Learning Technologies, 2021, DOI: 10.1109/TLT.2021.3067946
	Educational dashboards for smart learning: Review of case studies, Y., Yoo et al., Lecture Notes in Educational Technology , 2015, DOI: 10.1007/978-3-662-44188-6_21
	Exploring EFL teacher's role in a smart learning environment-review study, D.G., Vasbieva et al., XLinguae , 2018, DOI: 10.18355/XL.2018.11.02.21

	Factors considered for the success of the Massive Open Online Course in the era of Smart Education: Systematic Literature Review, J., Suwita et al., Proceeding - 2019 International Conference on ICT for Smart Society: Innovation and Transformation Toward
	Group Formation in Smart Learning Environment: A Literature Review, B.L., Putro et al., 2018 International Conference on Information Technology Systems and Innovation, ICITSI 2018 - Proceedings , 2018, DOI: 10.1109/ICITSI.2018.8695917
	How smart are smart classrooms? A review of smart classroom technologies, M.K., Saini et al., ACM Computing Surveys , 2019, DOI: 10.1145/3365757
	Internet of Things for Smart Class Rooms: A Review, D., Gupta et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-15-2854-5_46
	Recommendation system for smart lms using machine learning: A literature review, D.F., Murad et al., Proceedings - 2018 4th International Conference on Computing, Engineering, and Design, ICCED 2018 , 2019, DOI: 10.1109/ICCED.2018.00031
	Research and Practice in Smart Learning: A Literature Review, B.T.M., Wong et al., Proceedings - 2020 International Symposium on Educational Technology, ISET 2020 , 2020, DOI: 10.1109/ISET49818.2020.00015
	Review of Smart Learning: Patterns and Trends in Research and Practice, K.C., Li et al., Australasian Journal of Educational Technology , 2021, DOI: 10.14742/AJET.6617
	Review on Development of Smart Education, W., Shi et al., Proceedings - IEEE International Conference on Service Operations and Logistics, and Informatics 2019, SOLI 2019 , 2019, DOI: 10.1109/SOLI48380.2019.8955052
	Review on self-regulated learning in smart learning environment, Gambo, Yusufu et al., Smart Learning Environments, 2021, DOI: 10.1186/s40561-021-00157-8
	Review on Smart Video Streaming Schemes for Cloud Based E-Learning, I., Syamsuddin et al., Lecture Notes in Electrical Engineering , 2019, DOI: 10.1007/978-981-13-1799-6_57
	Smart devices, smart environments, smart students-A review on educational opportunities in virtual and augmented reality learning environments, G., Molnar et al., 10th IEEE International Conference on Cognitive Infocommunications, CogInfoCom 2019 - Proce
	Smart Learning Environments Framework for Educational Applications in IoT Enabled Educational Ecosystems: A Review on AI based GUI Tools for IoT Wearables, D.P., Wangoo et al., 2020 IEEE 17th India Council International Conference, INDICON 2020 , 2020, D
	Smart learning for urology residents during the coViD-19 pandemic and beyond: Insights from a nationwide survey in italy, F., Claps et al., Minerva Urologica e Nefrologica , 2020, DOI: 10.23736/S0393-2249.20.03921-1
	State-of-the-Art Ontology Annotation for Personalised Teaching and Learning and Prospects for Smart Learning Recommender Based on Multiple Intelligence and Fuzzy Ontology, P., Wongthongtham et al., International Journal of Fuzzy Systems , 2018, DOI: 10.1
	Teacher's role in a smart learning environment—a review study, B., Klimova et al., Smart Innovation, Systems and Technologies , 2016, DOI: 10.1007/978-3-319-39690-3_5
	The Benefits and Challenges of Smart Learning: A Literature Review, Wong, Billy T.M. et al., Proceedings - 2021 International Symposium on Educational Technology, ISET 2021, 2021, DOI: 10.1109/ISET52350.2021.00041
	The State of the Art and Future Tendency of Smart Education, Q., Zheng et al., Jisuanji Yanjiu yu Fazhan/Computer Research and Development , 2019, DOI: 10.7544/issn1000-1239.2019.20180758
	Toward a smart E-learning system (A state of the art), F., Enneb-Benkhaled et al., Proceedings - 2017 International Conference on Engineering and MIS, ICEMIS 2017 , 2018, DOI: 10.1109/ICEMIS.2017.8273026

	Understanding socio-technological challenges of smart classrooms using a systematic review, Alfoudari, Aisha M. et al., Computers and Education, 2021, DOI: 10.1016/j.compedu.2021.104282
smart lighting system	A Review on Smart LED Lighting Systems, H.F., Chinchero et al., 2020 IEEE Green Energy and Smart Systems Conference, IGESSC 2020 , 2020, DOI: 10.1109/IGESSC50231.2020.9285004
	LIGHTNETs: Smart lighting and mobile optical wireless networks - A survey, A., Sevincer et al., IEEE Communications Surveys and Tutorials , 2013, DOI: 10.1109/SURV.2013.032713.00150
	Literature review on smart lighting systems and their application in industrial settings, M., Fuchtenhans et al., 2019 6th International Conference on Control, Decision and Information Technologies, CoDIT 2019 , 2019, DOI: 10.1109/CoDIT.2019.8820539
	Smart lighting system control strategies for commercial buildings: A review, N.H., Baharudin et al., International Journal of Advanced Technology and Engineering Exploration , 2021, DOI: 10.19101/IJATEE.2020.S2762173
	Smart lighting systems: state-of-the-art and potential applications in warehouse order picking, M., Fuchtenhans et al., International Journal of Production Research , 2021, DOI: 10.1080/00207543.2021.1897177
smart material, smart structure, smart surface, smart textile	"Smart" materials based on cellulose: A review of the preparations, properties, and applications, X., Qiu et al., Materials , 2013, DOI: 10.3390/ma6030738
	"smart" materials-based near-infrared light-responsive drug delivery systems for cancer treatment: A review, A., Raza et al., Journal of Materials Research and Technology , 2019, DOI: 10.1016/j.jmrt.2018.03.007
	3D printing of smart materials: A review on recent progresses in 4D printing, Z.X., Khoo et al., Virtual and Physical Prototyping , 2015, DOI: 10.1080/17452759.2015.1097054
	A comprehensive review of lithium-ion cell temperature estimation techniques applicable to health-conscious fast charging and smart battery management systems, Samanta, Akash et al., Energies, 2021, DOI: 10.3390/en14185960
	A comprehensive review of select smart polymeric and gel actuators for soft mechatronics and robotics applications: fundamentals, freeform fabrication, and motion control, J.D., Carrico et al., International Journal of Smart and Nano Materials , 2017, DO
	A comprehensive review of smart systems through smart materials, A., Vasanathan et al., Current Materials Science , 2019, DOI: 10.2174/2212797612666190408141830
	A comprehensive review on smart anti-corrosive coatings, G., Cui et al., Progress in Organic Coatings , 2020, DOI: 10.1016/j.porgcoat.2020.105821
	A comprehensive review on the modeling of smart piezoelectric nanostructures, F., Ebrahimi et al., Structural Engineering and Mechanics , 2020, DOI: 10.12989/sem.2020.74.5.611
	A concise review on smart polymers for controlled drug release, A., Aghabegi Moghanjoughi et al., Drug Delivery and Translational Research , 2016, DOI: 10.1007/s13346-015-0274-7
	A critical review on multifunctional smart materials 'nanographene' emerging avenue: nano-imaging and biosensor applications, K., Pal et al., Critical Reviews in Solid State and Materials Sciences , 2021, DOI: 10.1080/10408436.2021.1935717
	A review of current research activities in optimization of smart structures and actuators, M., Frecker et al., Proceedings of SPIE - The International Society for Optical Engineering , 2002, DOI: 10.1117/12.475208
	A review of fused deposition modelling for 3D printing of smart polymeric materials and composites, Mustapha, K. B. et al., European Polymer Journal, 2021, DOI: 10.1016/j.eurpolymj.2021.110591

	A review of graphene reinforced Cu matrix composites for thermal management of smart electronics, Ali, Saad et al., Composites Part A: Applied Science and Manufacturing, 2021, DOI: 10.1016/j.compositesa.2021.106357
	A review of H ∞ robust control of piezoelectric smart structures, L., Iorga et al., Applied Mechanics Reviews , 2008, DOI: 10.1115/1.2939371
	A Review of Management Architectures and Balancing Strategies in Smart Batteries, X., Huang et al., IECON Proceedings (Industrial Electronics Conference) , 2019, DOI: 10.1109/IECON.2019.8926687
	A review of manufacturing techniques of smart composite structures with embedded bulk piezoelectric transducers, Y., Meyer et al., Smart Materials and Structures , 2019, DOI: 10.1088/1361-665X/ab0fab
	A review of NiTi shape memory alloy as a smart material produced by additive manufacturing, E., Farber et al., Materials Today: Proceedings , 2019, DOI: 10.1016/j.matpr.2020.01.563
	A review of polymeric smart materials for biomedical applications, M., Kazanci et al., Materials Technology , 2003, DOI: 10.1080/10667857.2003.11753019
	A review of smart electrospun fibers toward textiles, L., Liu et al., Composites Communications , 2020, DOI: 10.1016/j.coco.2020.100506
	A review of smart lubricant-infused surfaces for droplet manipulation, Hao, Zhentao et al., Nanomaterials, 2021, DOI: 10.3390/nano11030801
	A review of smart material and vibration control for civil engineering structure, L., Qin et al., Applied Mechanics and Materials , 2012, DOI: 10.4028/www.scientific.net/AMM.204-208.4097
	A review of stimuli-responsive polymers for smart textile applications, J., Hu et al., Smart Materials and Structures , 2012, DOI: 10.1088/0964-1726/21/5/053001
	A review of techniques for embedding shape memory alloy (SMA) wires in smart woven composites, D.M., Baitab et al., International Journal of Engineering and Technology(UAE) , 2018, DOI: 10.14419/ijet.v7i4.13.21344
	A review of the use of gpes in zinc-based batteries. A step closer to wearable electronic gadgets and smart textiles, S., Lorca et al., Polymers , 2020, DOI: 10.3390/polym12122812
	A review on cooling performance enhancement for phase change materials integrated systems—flexible design and smart control with machine learning applications, Y., Zhou et al., Building and Environment , 2020, DOI: 10.1016/j.buildenv.2020.106786
	A review on current trends of polymers in orthodontics: Bpa-free and smart materials, Hassan, Rozita et al., Polymers, 2021, DOI: 10.3390/polym13091409
	A review on LDH-smart functionalization of anodic films of Mg alloys, M., Kaseem et al., Nanomaterials , 2021, DOI: 10.3390/nano11020536
	A Review on Metasurface: From Principle to Smart Metadevices, J., Hu et al., Frontiers in Physics , 2021, DOI: 10.3389/fphy.2020.586087
	A Review on Potential Use of Gelatin-based Film as Active and Smart Biodegradable Films for Food Packaging Application, N.S., Said et al., Food Reviews International , 2021, DOI: 10.1080/87559129.2021.1929298
	A Review on Smart Materials, Types and Modelling: Need of the Modern Era, A., Gangele et al., Materials Today: Proceedings , 2019, DOI: 10.1016/j.matpr.2021.08.184
	A review on smart self-sensing composite materials for civil engineering applications, S., Rana et al., AIMS Materials Science , 2016, DOI: 10.3934/matrs.2016.2.357
	A Review on the New Development of Benzoxazine Resin: Use in Smart Materials and Energy and Environmental Applications, X., Li et al., Cailiao Daobao/Materials Reports , 2021, DOI: 10.11896/cldb.20030056
	A State-of-the-Art Review of Nature-Inspired Systems for Smart Structures, H., Fritz et al., Lecture Notes in Civil Engineering , 2021, DOI: 10.1007/978-3-030-64908-1_20

	A state-of-the-art review on robots and medical devices using smart fluids and shape memory alloys, J., Sohn et al., Applied Sciences (Switzerland) , 2018, DOI: 10.3390/app8101928
	A survey of contact lens wearers and eye care professionals on satisfaction with a new smart-surface silicone hydrogel daily disposable contact lens, T., Grant et al., Clinical Optometry , 2020, DOI: 10.2147/OPTO.S233328
	A survey on organic smart labels for the Internet-of-Things, L.W.F., Chaves et al., INSS 2010 - 7th International Conference on Networked Sensing Systems , 2010, DOI: 10.1109/INSS.2010.5573467
	A survey on SMART fabrics and interactive textiles, G., Stylios et al., International Journal of Clothing Science and Technology , 2006, DOI: 10.1108/ijcst.2006.05818caa.001
	A Survey on the Study of Biomass-based Thermosensitive Smart Materials, D., Liu et al., Cailiao Daobao/Materials Reports , 2019, DOI: 10.11896/cldb.18070135
	Active and passive interaction mechanisms of smart materials for health monitoring of engineering structures: A review, V.G.M., Annamdas et al., Proceedings of SPIE - The International Society for Optical Engineering , 2009, DOI: 10.1117/12.817496
	Actuator materials: Review on recent advances and future outlook for smart textiles, D., Kongahage et al., Fibers , 2019, DOI: 10.3390/FIB7030021
	Additive manufacturing of smart materials exhibiting 4-D properties: A state of art review, S., Kumar et al., Journal of Thermoplastic Composite Materials , 2019, DOI: 10.1177/0892705719895052
	Advanced smart concrete - A review of current progress, benefits and challenges, N., Makul et al., Journal of Cleaner Production , 2020, DOI: 10.1016/j.jclepro.2020.122899
	Advances in nanotechnology based functional, smart and intelligent textiles: A review, M., Joshi et al., Comprehensive Nanoscience and Nanotechnology , 2019, DOI: 10.1016/B978-0-12-803581-8.10471-0
	Advances in polydiacetylene development for the design of side chain groups in smart material applications-a mini review, J., Huo et al., Polymer Chemistry , 2017, DOI: 10.1039/c7py01396e
	Antimicrobial concrete for smart and durable infrastructures: A review, L., Qiu et al., Construction and Building Materials , 2020, DOI: 10.1016/j.conbuildmat.2020.120456
	Application of smart fluid to control vibration in metal cutting: a review, S., Sarath et al., World Journal of Engineering , 2020, DOI: 10.1108/WJE-06-2020-0232
	Beyond Traditional Coatings: A Review on Thermal-Sprayed Functional and Smart Coatings, D., Tejero-Martin et al., Journal of Thermal Spray Technology , 2019, DOI: 10.1007/s11666-019-00857-1
	Bio-Based Smart Materials for Food Packaging and Sensors – A Review, N., Halonen et al., Frontiers in Materials , 2020, DOI: 10.3389/fmats.2020.00082
	Cellulose nanocrystals in smart and stimuli-responsive materials: a review, R., Nasseri et al., Materials Today Advances , 2020, DOI: 10.1016/j.mtadv.2020.100055
	Chitosan as a smart coating for corrosion protection of aluminum alloy 2024: A review, J., Carneiro et al., Progress in Organic Coatings , 2015, DOI: 10.1016/j.porgcoat.2015.03.008
	Compact hybrid electrohydraulic actuators using smart materials: A review, A., Chaudhuri et al., Journal of Intelligent Material Systems and Structures , 2012, DOI: 10.1177/1045389X11418862
	Computational Analysis of Smart Magneto-Electro-Elastic Materials and Structures: Review and Classification, Vinyas, M. et al., Archives of Computational Methods in Engineering, 2021, DOI: 10.1007/s11831-020-09406-4
	Conducting polymer/graphene hydrogel electrodes based aqueous smart Supercapacitors: A review and future prospects, Bashir, Shahid et al., Journal of Electroanalytical Chemistry, 2021, DOI: 10.1016/j.jelechem.2021.115626

	Current trends in smart materials—A review, R., Tamilsevi et al., Indian Journal of Public Health Research and Development , 2019, DOI: 10.37506/v10/i12/2019/ijphrd/192402
	Design and function of smart biomembrane nanohybrids for biomedical applications: review, Sasaki, Yoshihiro et al., Polymer Journal, 2021, DOI: 10.1038/s41428-020-00453-z
	Development of smart viscoelastic surfactants and its applications in fracturing fluid: A review, W., Kang et al., Journal of Petroleum Science and Engineering , 2020, DOI: 10.1016/j.petrol.2020.107107
	Development smart/nervous material with novel sensor embedding techniques-A review, A.M., Butt et al., ASME 2015 Conference on Smart Materials, Adaptive Structures and Intelligent Systems, SMASIS 2015 , 2015, DOI: 10.1115/SMASIS2015-8940
	Developments in 4D-printing: a review on current smart materials, technologies, and applications, Z., Zhang et al., International Journal of Smart and Nano Materials , 2019, DOI: 10.1080/19475411.2019.1591541
	Diamond-like carbon: A versatile material for developing innovative smart textiles applications. A short review, D., Caschera et al., AAPP Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali , 2019, DOI: 10.
	Efficient modeling of smart piezoelectric composite laminates: A review, S., Kapuria et al., Acta Mechanica , 2010, DOI: 10.1007/s00707-010-0310-0
	Enabling 3D heterogeneous structures towards smart chips: A review, C., Li et al., Advances in Science, Technology and Engineering Systems , 2020, DOI: 10.25046/aj050134
	Fracture analysis of magneto-electro-elastic smart materials: A brief review, Liu, Simin et al., IOP Conference Series: Earth and Environmental Science, 2021, DOI: 10.1088/1755-1315/825/1/012024
	Fracture problems, vibration, buckling, and bending analyses of functionally graded materials: A state-of-the-art review including smart FGMS, N.J., Kanu et al., Particulate Science and Technology , 2019, DOI: 10.1080/02726351.2017.1410265
	Functional and smart coatings for corrosion protection: A review of recent advances, M., Montemor et al., Surface and Coatings Technology , 2014, DOI: 10.1016/j.surfcoat.2014.06.031
	Halloysite nanotubes as nanocontainer for smart coating application: A review, K., Zahidah et al., Progress in Organic Coatings , 2017, DOI: 10.1016/j.porgcoat.2017.05.018
	Halloysite nanotubes as smart flame retardant and economic reinforcing materials: A review, E., Goda et al., Thermochimica Acta , 2018, DOI: 10.1016/j.tca.2018.09.017
	Handling memory properties of smart materials: A review on modeling, compensation and control, D., Davino et al., Proceedings of the American Control Conference , 2013, DOI: 10.1109/acc.2013.6580388
	Importance of crosslinking strategies in designing smart biomaterials for bone tissue engineering: A systematic review, G.S., Krishnakumar et al., Materials Science and Engineering C , 2019, DOI: 10.1016/j.msec.2018.11.081
	Inspired smart materials with external stimuli responsive wettability: A review, F., Guo et al., RSC Advances , 2016, DOI: 10.1039/c6ra04079a
	Ionic liquid: A smart approach for developing conducting polymer composites: A review, B., Soares et al., Journal of Molecular Liquids , 2018, DOI: 10.1016/j.molliq.2018.04.049
	Lead remediation using smart materials. A review, S., Ata et al., Zeitschrift fur Physikalische Chemie , 2019, DOI: 10.1515/zpch-2018-1205
	Mathematical modeling of actively controlled piezo smart structures: A review, V., Gupta et al., Smart Structures and Systems , 2011, DOI: 10.12989/sss.2011.8.3.275
	Mesoporous silica nanoparticles as carriers of active agents for smart anticorrosive organic coatings: A critical review, Olivieri, Federico et al., Nanoscale, 2021, DOI: 10.1039/d1nr01899j

	Mini review: an insight on the fabrication methods of smart magnetic polymer foam, Muhazeli, Noor Sahirah et al., Journal of Magnetism and Magnetic Materials, 2021, DOI: 10.1016/j.jmmm.2021.168038
	Modified hydrotalcites as a new emerging class of smart additive of reinforced concrete for anticorrosion applications: A literature review, Z., Yang et al., Materials and Corrosion , 2013, DOI: 10.1002/maco.201206915
	Morphing aircraft based on smart materials and structures: A state-of-the-art review, J., Sun et al., Journal of Intelligent Material Systems and Structures , 2016, DOI: 10.1177/1045389X16629569
	Nanocellulose-enabled electronics, energy harvesting devices, smart materials and sensors: A review, R., Sabo et al., Journal of Renewable Materials , 2016, DOI: 10.7569/JRM.2016.634114
	Nanocomposite smart hydrogels with improved responsiveness and mechanical properties: A mini review, Z., Liu et al., Journal of Polymer Science, Part B: Polymer Physics , 2018, DOI: 10.1002/polb.24723
	Natural and synthetic polymer-based smart biomaterials for management of ulcerative colitis: a review of recent developments and future prospects, M., Sohail et al., Drug Delivery and Translational Research , 2019, DOI: 10.1007/s13346-018-0512-x
	N-Heterocyclic carbenes as “smart” gold nanoparticle stabilizers: State-of-the art and perspectives for biomedical applications, Thomas, Sophie R. et al., Journal of Organometallic Chemistry, 2021, DOI: 10.1016/j.jorganchem.2021.121743
	Optical fiber sensors for smart structures : A review, P., Kundu et al., Defence Science Journal , 1996, DOI: 10.14429/dsj.46.4092
	Optimization criteria for optimal placement of piezoelectric sensors and actuators on a smart structure: A technical review, V., Gupta et al., Journal of Intelligent Material Systems and Structures , 2010, DOI: 10.1177/1045389X10381659
	Piezofibers to smart textiles: a review on recent advances and future outlook for wearable technology, F., Mokhtari et al., Journal of Materials Chemistry A , 2020, DOI: 10.1039/d0ta00227e
	Potential use of smart coatings for corrosion protection of metals and alloys: A review, A.A., Nazeer et al., Journal of Molecular Liquids , 2018, DOI: 10.1016/j.molliq.2018.01.027
	Potential use of smart coatings for icephobic applications: A review, Shamsheeri, Mohammadreza et al., Surface and Coatings Technology, 2021, DOI: 10.1016/j.surfcoat.2021.127656
	Progress in frequency selective surface-based smart electromagnetic structures: A critical review, R., Panwar et al., Aerospace Science and Technology , 2017, DOI: 10.1016/j.ast.2017.03.006
	Pumps operated by solid-state electromechanical smart material actuators - A review, E.A., Sideris et al., Sensors and Actuators, A: Physical , 2020, DOI: 10.1016/j.sna.2020.111915
	Radiation chemistry of smart polymers (A review), V., Kabanov et al., High Energy Chemistry , 2000, DOI: 10.1007/BF02770887
	Recent developments on semiconducting polymer nanoparticles as smart photo-therapeutic agents for cancer treatments—a review, Rejinold, N. Sanoj et al., Polymers, 2021, DOI: 10.3390/polym13060981
	Recent progress in the growth and applications of graphene as a smart material: A review, B., Aissa et al., Frontiers in Materials , 2015, DOI: 10.3389/fmats.2015.00058
	Recent studies on cellulose-based fluorescent smart materials and their applications: A comprehensive review, Nawaz, Haq et al., Carbohydrate Polymers, 2021, DOI: 10.1016/j.carbpol.2021.118135
	Recent Trends, Construction and Applications of Smart Textiles and Clothing for Monitoring of Health Activity: A Comprehensive Multidisciplinary Review, J., Kubicek et al., IEEE Reviews in Biomedical Engineering , 2020, DOI: 10.1109/RBME.2020.3043623

	Responsive and "smart" antibacterial surfaces: common approaches and new developments (Review), A., Cavallaro et al., Biointerphases , 2014, DOI: 10.1116/1.4866697
	Review and analysis of advances in functionalized, smart, and multifunctional asphalt mixtures, Segundo, I. Rocha et al., Renewable and Sustainable Energy Reviews, 2021, DOI: 10.1016/j.rser.2021.111552
	Review of Cellulose Smart Material: Biomass Conversion Process and Progress on Cellulose-Based Electroactive Paper, S.H., Hassan et al., Journal of Renewable Materials , 2018, DOI: 10.7569/JRM.2017.634173
	Review of seismic vibration control using 'smart materials', S., Valliappan et al., Structural Engineering and Mechanics , 2001, DOI: 10.12989/sem.2001.11.6.617
	Review of smart material technologies for active parachute applications, E., Favini et al., Proceedings of SPIE - The International Society for Optical Engineering , 2010, DOI: 10.1117/12.847620
	Review of smart-materials actuation solutions for aeroelastic and vibration control, V., Giurgiutiu et al., Journal of Intelligent Material Systems and Structures , 2000, DOI: 10.1106/HYTV-NC7R-BCMM-W3CH
	Review of state of art of smart structures and integrated systems, I., Chopra et al., AIAA Journal , 2002, DOI: 10.2514/2.1561
	Review of state-of-art of smart structures and integrated systems, I., Chopra et al., 19th AIAA Applied Aerodynamics Conference , 2001, DOI: 10.2514/6.2001-0
	Review of the end-of-life solutions in electronics-based smart textiles, P., Veske et al., Journal of the Textile Institute , 2021, DOI: 10.1080/00405000.2020.1825176
	Review on Smart Electro-Clothing Systems (SeCSs), A.S., Muhammad Sayem et al., Sensors (Basel, Switzerland) , 2020, DOI: 10.3390/s20030587
	Review on smart strategies for achieving highly efficient ternary polymer solar cells, M., Zhang et al., APL Materials , 2020, DOI: 10.1063/5.0022887
	Review on thermochromic vanadium dioxide based smart coatings: from lab to commercial application, T.C., Chang et al., Advances in Manufacturing , 2018, DOI: 10.1007/s40436-017-0209-2
	Review on Variable Emissivity Materials and Devices Based on Smart Chromism, F.P., Lang et al., International Journal of Thermophysics , 2018, DOI: 10.1007/s10765-017-2329-0
	Review: Hydrothermal technology for smart materials, M., Shandilya et al., Advances in Applied Ceramics , 2016, DOI: 10.1080/17436753.2016.1157131
	Review—Recent Advances of Signal Amplified Smart Conjugated Polymers for Optical Detection on Solid Support, Chen, Xi et al., ECS Journal of Solid State Science and Technology, 2021, DOI: 10.1149/2162-8777/abee1
	Self-healing mechanisms in smart protective coatings: A review, F., Zhang et al., Corrosion Science , 2018, DOI: 10.1016/j.corsci.2018.08.005
	Sensors for next-generation smart batteries in automotive: A review, Ramilli, Roberta et al., 2021 IEEE International Workshop on Metrology for Automotive, MetroAutomotive 2021 - Proceedings, 2021, DOI: 10.1109/MetroAutomotive50197.2021.9502880
	Smart advanced solvents for bioactive compounds recovery from agri-food by-products: A review, P., Gullon et al., Trends in Food Science and Technology , 2020, DOI: 10.1016/j.tifs.2020.05.007
	Smart aggregates: Multi-functional sensors for concrete structures - A tutorial and a review, G., Song et al., Smart Materials and Structures , 2008, DOI: 10.1088/0964-1726/17/3/033001
	Smart anticorrosion coating based on stimuli-responsive micro/nanocontainer: a review, H., Cai et al., Journal of Oceanology and Limnology , 2020, DOI: 10.1007/s00343-020-0058-x
	Smart aqueous foams: State of the art, M.Q., Liang et al., Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica , 2016, DOI: 10.3866/PKU.WHXB201608262

	Smart ceramic materials for homogeneous combustion in internal combustion engines - A review, K., Chidambaram et al., Thermal Science , 2009, DOI: 10.2298/TSCI0903153C
	Smart chemistry of enzyme immobilization using various support matrices – A review, Liu, Shuai et al., International Journal of Biological Macromolecules, 2021, DOI: 10.1016/j.ijbiomac.2021.09.006
	Smart Composite Structures with Embedded Sensors for Load and Damage Monitoring – A Review, Janeliukstis, R. et al., Mechanics of Composite Materials, 2021, DOI: 10.1007/s11029-021-09941-6
	Smart concretes and structures: A review, B., Han et al., Journal of Intelligent Material Systems and Structures , 2015, DOI: 10.1177/1045389X15586452
	Smart fabric sensors and e-textile technologies: A review, L., Castano et al., Smart Materials and Structures , 2014, DOI: 10.1088/0964-1726/23/5/053001
	Smart material interfaces as a methodology for interaction: A survey of SMIs' state of the art and development, A., Minuto et al., SMI 2013 - Proceedings of the 2013 ACM Workshop on Smart Material Interfaces: Another Step to a Material Future, Co-located
	Smart materials and electro-mechanical impedance technique: A review, K.K., Maurya et al., Materials Today: Proceedings , 2020, DOI: 10.1016/j.matpr.2020.02.831
	Smart materials and their application in robotic hand systems: A state of the art, P.A., Castiblanco et al., Indonesian Journal of Science and Technology , 2021, DOI: 10.17509/ijost.v6i2.35630
	Smart Materials for 4D Printing: A Review on Developments, Challenges and Applications, Reddy, Sreenivasulu et al., Lecture Notes in Mechanical Engineering , 2022, DOI: 10.1007/978-981-16-4222-7_1
	Smart materials in additive manufacturing: state of the art and trends, J., Gardan et al., Virtual and Physical Prototyping , 2019, DOI: 10.1080/17452759.2018.1518016
	Smart materials in architecture for actuator and sensor applications: A review, M., Sobczyk et al., Journal of Intelligent Material Systems and Structures , 2021, DOI: 10.1177/1045389X211027954
	Smart materials types, properties and applications: A review, S., Bahl et al., Materials Today: Proceedings , 2020, DOI: 10.1016/j.matpr.2020.04.505
	Smart materials: A review of capabilities and applications, R., Bogue et al., Assembly Automation , 2014, DOI: 10.1108/AA-10-2013-094
	Smart materials: A review of recent developments, R., Bogue et al., Assembly Automation , 2012, DOI: 10.1108/01445151211198674
	Smart nanomaterials for biomedical applications—a review, M., Aflori et al., Nanomaterials , 2021, DOI: 10.3390/nano11020396
	Smart nanoporous metal-organic frameworks by embedding photochromic molecules-state of the art and future perspectives, H.A., Schwartz et al., Photochemical and Photobiological Sciences , 2018, DOI: 10.1039/c7pp00456g
	Smart nanotextiles: A review of materials and applications, S., Coyle et al., MRS Bulletin , 2007, DOI: 10.1557/mrs2007.67
	Smart polymer nanocomposites: A review, W.S., Chow et al., Express Polymer Letters , 2020, DOI: 10.3144/expresspolymlett.2020.35
	Smart Polymeric Hydrogels for Cartilage Tissue Engineering: A Review on the Chemistry and Biological Functions, N., Eslahi et al., Biomacromolecules , 2016, DOI: 10.1021/acs.biomac.6b01235
	Smart polymeric materials applied to industry 4.0: A review on electrochromic textiles, H., Ramlow et al., AIP Conference Proceedings , 2020, DOI: 10.1063/5.0028677
	Smart polymers and their role in drug delivery: A review, K., Jadhav et al., Current Drug Therapy , 2010, DOI: 10.2174/157488510792927456
	Smart Polymers for Advanced Applications: A Mechanical Perspective Review, R., Brighenti et al., Frontiers in Materials , 2020, DOI: 10.3389/fmats.2020.00196

	Smart polymers for colon targeted drug delivery systems: a review, M.K., Sarangi et al., International Journal of Polymeric Materials and Polymeric Biomaterials , 2020, DOI: 10.1080/00914037.2020.1785455
	Smart polymers for controlled delivery of proteins and peptides: A review of patents, L., Fogueri et al., Recent Patents on Drug Delivery and Formulation , 2009, DOI: 10.2174/187221109787158300
	Smart stimuli sensitive nanogels in cancer drug delivery and imaging: A review, S., Maya et al., Current Pharmaceutical Design , 2013, DOI: 10.2174/138161281941131219124142
	Smart structure based on continuous optical fiber sensing technique (Review), W., Jin et al., Applied Mechanics and Materials , 2011, DOI: 10.4028/www.scientific.net/AMM.71-78.4138
	Smart Structures with Pseudoelastic and Pseudoplastic Shape Memory Alloy: A critical review of their prospective, feasibility and current trends., N., Hamid et al., IOP Conference Series: Materials Science and Engineering , 2019, DOI: 10.1088/1757-899X/4
	Smart textiles and sensorized garments for physiological monitoring: A review of available solutions and techniques, A., Angelucci et al., Sensors (Switzerland) , 2021, DOI: 10.3390/s21030814
	Smart textiles for visible and IR camouflage application: State-of-the-art and microfabrication path forward, Degenstein, Lauren M. et al., Micromachines, 2021, DOI: 10.3390/mi12070773
	Smart textiles for wearable sensor networks: Review and early lessons, K., Nesenbergs et al., 2015 IEEE International Symposium on Medical Measurements and Applications, MeMeA 2015 - Proceedings , 2015, DOI: 10.1109/MeMeA.2015.7145236
	Smart, photocatalytic and self-cleaning asphalt mixtures: A literature review, I.R., Segundo et al., Coatings , 2019, DOI: 10.3390/coatings9110696
	SPIE smart structures product implementation award: A review of the first ten years, E., Anderson et al., Proceedings of SPIE - The International Society for Optical Engineering , 2007, DOI: 10.1117/12.715735
	State of the art and trends in using smart materials and systems in transportation vehicles, C., Boller et al., Proceedings of the Institution of Mechanical Engineers. Part I: Journal of Systems and Control Engineering , 1998, DOI: 10.1243/09596519815393
	State of the art in nonlinear dynamic analysis of smart structures with SMA members, A., Gholampour et al., International Journal of Engineering Science , 2014, DOI: 10.1016/j.ijengsci.2013.11.010
	State of the art of control schemes for smart systems featuring magneto-rheological materials, S., Choi et al., Smart Materials and Structures , 2016, DOI: 10.1088/0964-1726/25/4/043001
	State of the art of medical devices featuring smart electro-rheological and magneto-rheological fluids, J.S., Oh et al., Journal of King Saud University - Science , 2017, DOI: 10.1016/j.jksus.2017.05.012
	State-of-the-Art and Future Challenges of UV Curable Polymer-Based Smart Materials for Printing Technologies, C., Mendes-Felipe et al., Advanced Materials Technologies , 2019, DOI: 10.1002/admt.201800618
	State-of-the-art of multifunctional and smart concrete, L.L., Sui et al., Key Engineering Materials , 2006, DOI: 10.4028/0-87849-983-0.424
	State-of-the-art of smart structures and integrated systems, I., Chopra et al., Proceedings of SPIE - The International Society for Optical Engineering , 1996, DOI: 10.1117/12.305540
	Superabsorbent polymers: A review on the characteristics and applications of synthetic, polysaccharide-based, semi-synthetic and 'smart' derivatives, A., Mignon et al., European Polymer Journal , 2019, DOI: 10.1016/j.eurpolymj.2019.04.054

	Sustainability of civil structures through the application of smart materials: A review, Tabrizikahou, Alireza et al., <i>Materials</i> , 2021, DOI: 10.3390/ma14174824
	The potential of anthocyanins in smart, active, and bioactive eco-friendly polymer-based films: A review, de Oliveira Filho, Josemar Goncalves et al., <i>Food Research International</i> , 2021, DOI: 10.1016/j.foodres.2021.110202
	Thermal reflow of polymers for innovative and smart 3D structures: A review, R., Kirchner et al., <i>Materials Science in Semiconductor Processing</i> , 2019, DOI: 10.1016/j.mssp.2018.07.032
	Thermoviscosifying Smart Polymers for Oil and Gas Production: State of the Art, X., Su et al., <i>ChemPhysChem</i> , 2018, DOI: 10.1002/cphc.201800190
	Titanium dioxide based self-cleaning smart surfaces: A short review, N.T., Padmanabhan et al., <i>Journal of Environmental Chemical Engineering</i> , 2020, DOI: 10.1016/j.jece.2020.104211
	Towards a smarter battery management system for electric vehicle applications: A critical review of lithium-ion battery state of charge estimation, M.U., Ali et al., <i>Energies</i> , 2019, DOI: 10.3390/en12030446
	Towards a smarter battery management system: A critical review on battery state of health monitoring methods, R., Xiong et al., <i>Journal of Power Sources</i> , 2018, DOI: 10.1016/j.jpowsour.2018.10.019
	Towards a smarter battery management system: A critical review on optimal charging methods of lithium ion batteries, Q., Lin et al., <i>Energy</i> , 2019, DOI: 10.1016/j.energy.2019.06.128
	Trace analysis by ion mobility spectrometry: From conventional to smart sample preconcentration methods. A review, A., Sorribes-Soriano et al., <i>Analytica Chimica Acta</i> , 2018, DOI: 10.1016/j.aca.2018.03.059
	Tribological behaviour of smart fluids influenced by magnetic and electric field – A review, M., Michalec et al., <i>Tribology in Industry</i> , 2018, DOI: 10.24874/ti.2018.40.04.01
	Vibration control of civil structures using piezoceramic smart materials: A review, G., Song et al., <i>Engineering Structures</i> , 2006, DOI: 10.1016/j.engstruct.2006.02.002
	Vibration control using smart fluids: A state-of-the-art review, N.D., Sims et al., <i>Shock and Vibration Digest</i> , 1999, DOI: 10.1177/058310249903100302
	Vibration Controllability of Sandwich Structures with Smart Materials of Electrorheological Fluids and Magnetorheological Materials: A Review, S., Kolekar et al., <i>Journal of Vibration Engineering and Technologies</i> , 2019, DOI: 10.1007/s42417-019-00120-5
	Wearable electronics and smart textiles: A critical review, M., Stoppa et al., <i>Sensors (Switzerland)</i> , 2014, DOI: 10.3390/s140711957
	Wearable fiber optic technology based on smart textile: A review, Z., Gong et al., <i>Materials</i> , 2019, DOI: 10.3390/ma12203311
	Wearable Smart Objects: Microwaves Propelling Smart Textiles: A Review of Holistic Designs for Wireless Textile Nodes, S., Lemey et al., <i>IEEE Microwave Magazine</i> , 2018, DOI: 10.1109/MMM.2018.2844030
	Wearable smart textiles for long-term electrocardiography monitoring—a review, Nigusse, Abreha Bayrau et al., <i>Sensors</i> , 2021, DOI: 10.3390/s21124174
smart methodology	Smart literature review: a practical topic modelling approach to exploratory literature review, C., Asmussen et al., <i>Journal of Big Data</i> , 2019, DOI: 10.1186/s40537-019-0255-7
	Smart review sampling methodology in huge inspection results, T., Luoh et al., <i>ECS Transactions</i> , 2014, DOI: 10.1149/06001.0881ecst
smart phone	A mixed methods systematic review of the effects of patient online self-diagnosing in the 'smart-phone society' on the healthcare professional-patient relationship and medical authority, A., Farnood et al., <i>BMC Medical Informatics and Decision Making</i> , 2
	A review on emotional evaluations for smart phone, A., Udengwu et al., <i>Communications in Computer and Information Science</i> , 2013, DOI: 10.1007/978-3-642-39473-7_17

	A Survey Study of Factors Influencing Smart Phone Fluency, X., Liu et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2021, DOI: 10.1007/978-3-030-77932-0_30
	A systematic review of all smart phone applications specifically aimed for use as a scoliosis screening tool, Q., Naziri et al., Journal of Long-Term Effects of Medical Implants , 2018, DOI: 10.1615/JLongTermEffMedImplants.2017020737
	Concepts, Analysis, Issues of smartphone and Smart devices: A survey, I., Memon et al., 2020 3rd International Conference on Computing, Mathematics and Engineering Technologies: Idea to Innovation for Building the Knowledge Economy, iCoMET 2020 , 2020, D
	Cybersecurity Concerns in Smart-phones and applications: A survey, Bubukayr, Maryam Abdulaziz Saad et al., 2021 International Conference on Information Technology, ICIT 2021 - Proceedings, 2021, DOI: 10.1109/ICIT52682.2021.9491691
	Data analysis and prediction of survey on effect of smart phones on society, I., Ballal et al., Lecture Notes in Electrical Engineering , 2020, DOI: 10.1007/978-981-13-8942-9_6
	Difficulty balancing and review management system for smart mobile learning, Y., Chun et al., International Journal of Multimedia and Ubiquitous Engineering , 2015, DOI: 10.14257/ijmue.2015.10.1.21
	Educational use of smart phone technology: A survey of mobile phone application use by undergraduate university students, C., Bomhold et al., Program , 2013, DOI: 10.1108/PROG-01-2013-0003
	How the diffusion of smart phones will change public opinion surveys in Taiwan: The feasibility of using blended samples of landline and cell-phone numbers for telephone surveys, M., Tsai et al., Portland International Conference on Management of Enginee
	Making Mobile Browser Surveys Smarter: Results from a Randomized Experiment Comparing Online Surveys Completed via Computer or Smartphone, T.D., Buskirk et al., Field Methods , 2014, DOI: 10.1177/1525822X14526146
	Need to peer-review medical applications for smart phones, B., Visser et al., Journal of Telemedicine and Telecare , 2012, DOI: 10.1258/jtt.2011.110205
	Resident Attitudes About Mental Health: a Real-Time Smart Phone Survey, D.M., Roane et al., Medical Science Educator , 2019, DOI: 10.1007/s40670-019-00745-x
	Security, privacy and trust for smart mobile-Internet of Things (M-IoT): A survey, V., Sharma et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.3022661
	Sentiment Analysis of Keenly Intellective Smart Phone Product Review Utilizing SVM Classification Technique, T., Dubey et al., 2019 10th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2019 , 2019, DOI: 10.1109/IC
	Sentiment analysis of smart phone product review using SVM classification technique, U., Kumari et al., 2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017 , 2018, DOI: 10.1109/ICECDS.2017.8389689
	Smart phones are useful for food intake and physical activity surveys, E.M., Wohlers et al., Proceedings of the 31st Annual International Conference of the IEEE Engineering in Medicine and Biology Society: Engineering the Future of Biomedicine, EMBC 2009
	Smartphones for smarter delivery of mental health programs: A systematic review, T., Donker et al., Journal of Medical Internet Research , 2013, DOI: 10.2196/jmir.2791
	Stress detection in daily life scenarios using smart phones and wearable sensors: A survey, Y.S., Can et al., Journal of Biomedical Informatics , 2019, DOI: 10.1016/j.jbi.2019.103139
	Survey on the sensitivity of smart-phone users on QR codes security, S., Chen et al., WIT Transactions on Information and Communication Technologies , 2014, DOI: 10.2495/MIIT131151
	Systematic review of the development, implementation and availability of smart-phone applications for assessing Type 2 diabetes risk, L.J., Gray et al., Diabetic Medicine , 2013, DOI: 10.1111/dme.12115

	WiFi based trajectory alignment, calibration and crowdsourced site survey using smart phones and foot-mounted IMUs, Y., Gu et al., 2017 International Conference on Indoor Positioning and Indoor Navigation, IPIN 2017 , 2017, DOI: 10.1109/IPIN.2017.8115929
smart sensor	A critical review of the impact of embedded smart sensors on productivity in the workplace, G., Shabha et al., Facilities , 2006, DOI: 10.1108/02632770610705301
	A review of rock bolt monitoring using smart sensors, G., Song et al., Sensors (Switzerland) , 2017, DOI: 10.3390/s17040776
	A review of smart sensors coupled with Internet of Things and Artificial Intelligence approach for heart failure monitoring, M.R., Maurya et al., Medical and Biological Engineering and Computing , 2021, DOI: 10.1007/s11517-021-02447-2
	A review on solar powered smart surveillance system by using raspberry PI, V., Santhosh et al., Indian Journal of Public Health Research and Development , 2017, DOI: 10.5958/0976-5506.2017.00520.4
	A smart marine corrosion sensor used in marine survey, H., Sun et al., Applied Mechanics and Materials , 2013, DOI: 10.4028/www.scientific.net/AMM.303-306.128
	A Survey of Intelligent Agro-climate Decision Support Tool for Small-Scale Farmers: An Integration of Indigenous Knowledge, Mobile Phone Technology and Smart Sensors, N.P., Thothela et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-9
	A survey of smart electrical boards in ubiquitous sensor networks for Geomatics applications, S., Moosavi et al., International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives , 2015, DOI: 10.5194/isprsarc
	Bond-slip monitoring of concrete structures using smart sensors—A review, L., Huo et al., Sensors (Switzerland) , 2019, DOI: 10.3390/s19051231
	Concrete Smart Sensors for Structural Health Monitoring - A Review, S.M., Varghese et al., 2018 International Conference on Circuits and Systems in Digital Enterprise Technology, ICCSDET 2018 , 2018, DOI: 10.1109/ICCSDET.2018.8821189
	Electrically conductive polymer composites for smart flexible strain sensors: a critical review, H., Liu et al., Journal of Materials Chemistry C , 2018, DOI: 10.1039/C8TC04079F
	Microsystems and Smart Sensor Interfaces: A Review, F., Maloberti et al., Analog Integrated Circuits and Signal Processing , 1998, DOI: 10.1023/A:1008243412712
	Middleware Technologies for Smart Wireless Sensor Networks towards Internet of Things: A Comparative Review, Vikash et al., Wireless Personal Communications , 2021, DOI: 10.1007/s11277-020-07748-7
	Recent Developments in Textile Based Polymeric Smart Sensor for Human Health Monitoring: A review, Zahid, Muhammad et al., Arabian Journal of Chemistry, 2021, DOI: 10.1016/j.arabjc.2021.103480
	Reliable AI-Based Smart Sensors for Managing Irrigation Resources in Agriculture—A Review, R., Divya et al., Lecture Notes on Data Engineering and Communications Technologies , 2019, DOI: 10.1007/978-981-10-8681-6_25
	Smart advancements of key challenges in graphene-assembly glucose sensor technologies: A mini review, Panda, Pravati et al., Materials Letters, 2021, DOI: 10.1016/j.matlet.2021.130508
	Smart anomaly detection in sensor systems: A multi-perspective review, L., Erhan et al., Information Fusion , 2021, DOI: 10.1016/j.inffus.2020.10.001
	Smart Sensors for IIoT in Autonomous Vehicles: Review, S., Chavhan et al., Internet of Things , 2021, DOI: 10.1007/978-3-030-52624-5_4
	Smart sensors in pregnancy: Narrative review on the use of smart home technology in routine prenatal care, Bossung, Verena et al., Zeitschrift fur Evidenz, Fortbildung und Qualitat im Gesundheitswesen, 2021, DOI: 10.1016/j.zefq.2021.05.004

	Smart sensors/actuators for biomedical applications: Review, J., Ponnmozhi et al., Measurement: Journal of the International Measurement Confederation , 2012, DOI: 10.1016/j.measurement.2012.02.006
	Smart sensors: State of the art and perspectives, M., Robert et al., REE, Revue de L'Electricite et de L'Electronique , 1999, DOI: 10.3845/ree.1999.024
	Structural health monitoring of asphalt pavements using smart sensor networks: A comprehensive review, A., Di Graziano et al., Journal of Traffic and Transportation Engineering (English Edition) , 2020, DOI: 10.1016/j.jtte.2020.08.001
	Towards networked smart digital sensors: A review, A., Ukil et al., IECON Proceedings (Industrial Electronics Conference) , 2008, DOI: 10.1109/IECON.2008.4758227
smart service	A review on orchestration distributed systems for IoT smart services in fog computing, Pakhrudin, Nor Syazwani Mohd et al., International Journal of Electrical and Computer Engineering, 2021, DOI: 10.11591/ijece.v11i2.pp1812-1822
	Focusing the customer through smart services: a literature review, S., Dreyer et al., Electronic Markets , 2019, DOI: 10.1007/s12525-019-00328-z
	IoT/cloud-enabled smart services: A review on QoS requirements in fog environment and a proposed approach based on priority classification technique, A., Ksentini et al., International Journal of Communication Systems , 2021, DOI: 10.1002/dac.4269
	Review of smart services for tinnitus self-help, diagnostics and treatments, S., Kalle et al., Frontiers in Neuroscience , 2018, DOI: 10.3389/fnins.2018.00541
	The theoretical framework of library smart service literature review and content analysis, J., Liao et al., Proceedings of the ACM/IEEE Joint Conference on Digital Libraries , 2020, DOI: 10.1145/3383583.3398569
	Towards Managing Smart Service Innovation: A Literature Review, C., Gotz et al., Lecture Notes in Business Information Processing , 2018, DOI: 10.1007/978-3-030-00713-3_8
smart society, smart world, smart growth	A review of the smart world, H., Liu et al., Future Generation Computer Systems , 2019, DOI: 10.1016/j.future.2017.09.010
	A Review on Hybrid WSN-NGPON2 Network for Smart World, M., Kumari et al., Advances in Intelligent Systems and Computing , 2020, DOI: 10.1007/978-3-030-40305-8_31
	A Scientometric Review of Global Research on Smart Disaster Management, S., Neelam et al., IEEE Transactions on Engineering Management , 2021, DOI: 10.1109/TEM.2020.2972288
	A survey exploring open source Intelligence for smarter password cracking, A., Kanta et al., Forensic Science International: Digital Investigation , 2020, DOI: 10.1016/j.fsidi.2020.301075
	A Survey of Using Biometrics for Smart Visual Surveillance: Gait Recognition, I., Bouchrika et al., Advanced Sciences and Technologies for Security Applications , 2018, DOI: 10.1007/978-3-319-68533-5_1
	A Systematic Literature Review of Blockchain Technology for Smart Villages, P., Kaur et al., Archives of Computational Methods in Engineering , 2021, DOI: 10.1007/s11831-021-09659-7
	A Systematic Review of Social Media for Intelligent Human-Computer Interaction Research: Why Smart Social Media is Not Enough, H.T., Liao et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture
	Barriers to Transitioning Towards Smart Circular Economy: A Systematic Literature Review, Lobo, Ana et al., Smart Innovation, Systems and Technologies, 2022, DOI: 10.1007/978-981-16-6128-0_24
	Collaborative handshaking approaches between internet of computing and internet of things towards a smart world: a review from 2009–2017, L.H., Son et al., Telecommunication Systems , 2019, DOI: 10.1007/s11235-018-0481-x

	Desire for Smart Growth: A Survey of Residential Preferences in the Salt Lake Region of Utah, G., Tian et al., Housing Policy Debate , 2015, DOI: 10.1080/10511482.2014.971333
	Do smart growth strategies have a role in curbing vehicle miles traveled? A further assessment using household level survey data, S., Chattopadhyay et al., B.E. Journal of Economic Analysis and Policy , 2012, DOI: 10.1515/1935-1682.3224
	Facilitating Smart Growth with Context-Sensitive Transportation Review of Site Development, D., Hardy et al., Transportation Research Record , 2018, DOI: 10.1177/0361198118788191
	Features-Based Moving Objects Tracking for Smart Video Surveillances: A Review, N., Aziz et al., International Journal on Artificial Intelligence Tools , 2018, DOI: 10.1142/S0218213018300016
	Literature Review on "spatial Distribution of Smart Specialisation", W., Lin et al., PervasiveHealth: Pervasive Computing Technologies for Healthcare , 2020, DOI: 10.1145/3453187.3453334
	Mobile multimedia recommendation in smart communities: A survey, F., Xia et al., IEEE Access , 2013, DOI: 10.1109/ACCESS.2013.2281156
	Opportunities and Challenges of Wireless Human Sensing for the Smart IoT World: A Survey, Z., Liu et al., IEEE Network , 2019, DOI: 10.1109/MNET.001.1800494
	Review on Internet of Things (IoT): Making the World Smart, D., Misra et al., Lecture Notes in Electrical Engineering , 2018, DOI: 10.1007/978-981-10-7901-6_89
	Secure Internet of Things (IoT)-Based Smart-World Critical Infrastructures: Survey, Case Study and Research Opportunities, X., Liu et al., IEEE Access , 2019, DOI: 10.1109/ACCESS.2019.2920763
	Smart computing and sensing technologies for animal welfare: A systematic review, A., Jukan et al., ACM Computing Surveys , 2017, DOI: 10.1145/3041960
	Smart crowdsourcing based content review system (SCCRS): An approach to improve trustworthiness of online contents, K.D., Gupta et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in B
	Smart Earth: A meta-review and implications for environmental governance, K., Bakker et al., Global Environmental Change , 2018, DOI: 10.1016/j.gloenvcha.2018.07.011
	Smart electronic voting system based on biometric identification-survey, J., Deepika et al., ICONSTEM 2017 - Proceedings: 3rd IEEE International Conference on Science Technology, Engineering and Management , 2017, DOI: 10.1109/ICONSTEM.2017.8261341
	Smart growth and goods movement: emerging research agendas, E., Wygonik et al., Journal of Urbanism , 2015, DOI: 10.1080/17549175.2013.875058
	Smart Growth and Housing Affordability: A Review of Regulatory Mechanisms and Planning Practices, C., Addison et al., Journal of Planning Literature , 2013, DOI: 10.1177/0885412212471563
	Smart Growth and New Urbanism: Literature review and brief look at the Canadian context, M., Ouellet et al., Cahiers de Geographie du Quebec , 2006, DOI: 10.7202/014083ar
	Smart Islands: A Systematic Review on Urban Policies and Smart Governance, G., Desogus et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2019, DOI: 10.1007/978-3
	Smart Monitoring of Automatic Teller Machine—A Survey, A., Gupta et al., Lecture Notes in Electrical Engineering , 2019, DOI: 10.1007/978-981-13-7091-5_10
	Smart Policing: A Critical Review of the Literature, M., Afzal et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2020, DOI: 10.1007/978-3-030-57599-1_5

	Smart restaurants: Survey on customer demand and sales forecasting, A., Lasek et al., Smart Cities and Homes: Key Enabling Technologies , 2016, DOI: 10.1016/B978-0-12-803454-5.00017-1
	Smart Video Surveillance System for Level Crossing: A Systematic Literature Review, Pratama, Rian Putra et al., 8th International Conference on ICT for Smart Society: Digital Twin for Smart Society, ICISS 2021 - Proceeding, 2021, DOI: 10.1109/ICISS53185.2
	Smart villages: Comprehensive review of initiatives and practices, V., Zavrtnik et al., Sustainability (Switzerland) , 2018, DOI: 10.3390/su10072559
	State growth management, smart growth and urban containment: A review of the US and a study of the heartland, R., Boyle et al., Journal of Environmental Planning and Management , 2007, DOI: 10.1080/09640560701475337
	Systematic Review and Meta-Analysis of Proposed Smart Village Conceptual Model: Objectives, Strategies, Dimensions, and Foundations, M., Mishbah et al., 2018 International Conference on Information Technology Systems and Innovation, ICITSI 2018 - Proceed
	The Smart State test: A critical review of the Smart State Strategy 2005-2015's Knowledge-Based Urban Development, T., Hertz et al., International Journal of Knowledge-Based Development , 2016, DOI: 10.1504/IJKBD.2016.075434
	Towards a “smart society” through a connected and smart citizenry in South Africa: A review of the national broadband strategy and policy, M., Manda et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence a
	Ubiquitous Localization (UbiLoc): A Survey and Taxonomy on Device Free Localization for Smart World, R.C., Shit et al., IEEE Communications Surveys and Tutorials , 2019, DOI: 10.1109/COMST.2019.2915923
smart space exploration	A review of Smart Dust architecture, dynamics, and mission applications, L., Niccolai et al., Progress in Aerospace Sciences , 2019, DOI: 10.1016/j.paerosci.2019.01.003
smart sport	A survey of technologies and recent developments for sustainable smart cycling, Oliveira, Franklin et al., Sustainability (Switzerland), 2021, DOI: 10.3390/su13063422
	A systematic literature review of intelligent data analysis methods for smart sport training, A., Rajsp et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/app10093013
	Application of Internet of Things and artificial intelligence for smart fitness: A survey, Farrokhi, Alireza et al., Computer Networks, 2021, DOI: 10.1016/j.comnet.2021.107859
	How employees view smart cycling to work: A regional survey in the Netherlands, T., Fioreze et al., Travel Behaviour and Society , 2019, DOI: 10.1016/j.tbs.2018.04.002
	Smart cycling futures: Charting a new terrain and moving towards a research agenda, A., Nikolaeva et al., Journal of Transport Geography , 2019, DOI: 10.1016/j.jtrangeo.2019.102486
smart survey	A smart survey on demand response potential in global energy market, S., Reka et al., Indian Journal of Science and Technology , 2015, DOI: 10.17485/ijst/2015/v8iS9/55411
	A Smart-Site-Survey System using Image-based 3D Metric Reconstruction and Interactive Panorama Visualization, S., Yu et al., MM 2020 - Proceedings of the 28th ACM International Conference on Multimedia , 2020, DOI: 10.1145/3394171.3414425
	Flower Plot: A new tool for smart survey design, C., Lu et al., SEG Technical Program Expanded Abstracts , 2002, DOI: 10.1190/1.1817282
	Smart survey on recent trends in water level, drought and water quality analysis system, Balajee, J. et al., Journal of Physics: Conference Series, 2021, DOI: 10.1088/1742-6596/1964/4/042052
	Smart survey tool: A multi device platform for museum visitor tracking and tracking data visualization, P., Craig et al., IEEE Pacific Visualization Symposium , 2019, DOI: 10.1109/PacificVis.2019.00039
	Smart surveying and mapping: fundamental issues and research agenda, Chen, Jun et al., Cehui Xuebao/Acta Geodaetica et Cartographica Sinica, 2021, DOI: 10.11947/j.AGCS.2021.20210235

	The Architecture of Smart Surveys: Core Issues in Why and How to Collect Patient and Referring Physician Satisfaction Data, F.J., Lexa et al., Journal of the American College of Radiology , 2009, DOI: 10.1016/j.jacr.2008.08.007
smart system	A Review of Design and Protocol for Smart Continuous Monitoring E-Health Systems in 5G, R., Anline Lizie et al., Lecture Notes in Electrical Engineering , 2021, DOI: 10.1007/978-981-15-8221-9_42
	A review of the state-of-the-art of "Smart" systems in surgery, B., Davies et al., 15th International Conference on Mechatronics and Machine Vision in Practice, M2VIP'08 , 2008, DOI: 10.1109/MMVIP.2008.4749523
	A review of the state-of-the-art of 'smart' systems in surgery, B., Davies et al., International Journal of Intelligent Systems Technologies and Applications , 2010, DOI: 10.1504/IJISTA.2010.030221
	Internet of things (IoT) for next-generation smart systems: A review of current challenges, future trends and prospects for emerging 5G-IoT Scenarios, K., Shafique et al., IEEE Access , 2020, DOI: 10.1109/ACCESS.2020.2970118
	Knowledge graph fusion for smart systems: A Survey, H.L., Nguyen et al., Information Fusion , 2020, DOI: 10.1016/j.inffus.2020.03.014
	Novel tactile sensor technology and smart tactile sensing systems: A review, L., Zou et al., Sensors (Switzerland) , 2017, DOI: 10.3390/s17112653
	Semantic Interoperability Methods for Smart Service Systems: A Survey, F., Burzlaff et al., IEEE Transactions on Engineering Management , 2019, DOI: 10.1109/TEM.2019.2922103
	Smart system for feature recognition of sheet metal parts: A review, S., Salunkhe et al., Lecture Notes in Mechanical Engineering , 2019, DOI: 10.1007/978-981-13-2718-6_52
	Smart systems in emergency wayfinding: A literature review, E., Vilar et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) , 2018, DOI: 10.1007/978-3-319-91803-7_28
	Software Reviews : The Smart System, Version 3.0, Unknown et al., Social Science Computer Review , 1986, DOI: 10.1177/089443938600400321
	Towards a Characterisation of Smart Systems: A Systematic Literature Review, M., Romero et al., Computers in Industry , 2020, DOI: 10.1016/j.compind.2020.103224
	Towards a framework of smart-circular systems: An integrative literature review, A., Alcaayaga et al., Journal of Cleaner Production , 2019, DOI: 10.1016/j.jclepro.2019.02.085
	Towards automated aquaponics: A review on monitoring, IoT, and smart systems, A.R., Yanes et al., Journal of Cleaner Production , 2020, DOI: 10.1016/j.jclepro.2020.121571
	Towards scalable, secure, and smart mission-critical IoT systems: review and vision, Guo, Xiaolong et al., Proceedings - 2021 International Conference on Embedded Software, EMSOFT 2021, 2021, DOI: 10.1145/3477244.3477624
smart technology	A Literature Review on Smart Technologies and Logistics, X., Lu et al., IFIP Advances in Information and Communication Technology , 2021, DOI: 10.1007/978-3-030-85910-7_59
	A review of conventional, advanced, and smart glazing technologies and materials for improving indoor environment, S.D., Rezaei et al., Solar Energy Materials and Solar Cells , 2017, DOI: 10.1016/j.solmat.2016.08.026
	A review of smart technology usage in construction and demolition waste management, S., Ratnasabapathy et al., World Construction Symposium , 2019, DOI: 10.31705/WCS.2019.5
	A review of value creating motive and business model in smart technology, H.J., Lee et al., Lecture Notes in Electrical Engineering , 2012, DOI: 10.1007/978-94-007-5086-9_21
	A review on modern and smart technologies for efficient waste disposal and management, Goutam Mukherjee, Anirban et al., Journal of Environmental Management, 2021, DOI: 10.1016/j.jenvman.2021.113347

	A systematic review of personal smart technologies used to improve outcomes in adults with acquired brain injuries, J., Kettlewell et al., <i>Clinical Rehabilitation</i> , 2019, DOI: 10.1177/0269215519865774
	Applications of smart technologies in logistics and transport: A review, Chung, Sai Ho et al., <i>Transportation Research Part E: Logistics and Transportation Review</i> , 2021, DOI: 10.1016/j.tre.2021.102455
	Engineering education for smart 4.0 technology: a review, M., Hernandez-de-Menendez et al., <i>International Journal on Interactive Design and Manufacturing</i> , 2020, DOI: 10.1007/s12008-020-00672-x
	Internet of beer: A review on smart technologies from mash to pint, S., Violino et al., <i>Foods</i> , 2020, DOI: 10.3390/foods9070950
	Managing osteoarthritis pain with smart technology: A narrative review, A.J., Johnson et al., <i>Rheumatology Advances in Practice</i> , 2021, DOI: 10.1093/rap/rkab021
	Resource Review: Smart Technology for Aging, Disability, and Independence, B., Gingerich et al., <i>Home Health Care Management and Practice</i> , 2008, DOI: 10.1177/1084822307311845
	Review on Home Energy Management System Considering Demand Responses, Smart Technologies, and Intelligent Controllers, H., Shareef et al., <i>IEEE Access</i> , 2018, DOI: 10.1109/ACCESS.2018.2831917
	Smart Safety, A Survey on Smart Safety Technologies, H., Qiu et al., <i>4th IEEE International Conference on Universal Village 2018, UV 2018</i> , 2019, DOI: 10.1109/UV.2018.8642157
	Smart technologies driven approaches to tackle COVID-19 pandemic: a review, H., Khan et al., <i>3 Biotech</i> , 2021, DOI: 10.1007/s13205-020-02581-y
	Smart technologies for patients with Alzheimer's disease: A review, H., Tomaskova et al., <i>Journal of Engineering and Applied Sciences</i> , 2018, DOI: 10.3923/jeasci.2018.242.247
	Smart technology vs. face-to-face physical activity interventions in older adults: a systematic review protocol, D'Amore, Cassandra et al., <i>JBIE Evidence Synthesis</i> , 2021, DOI: 10.11124/jbies-21-00072
	Survey of Smart Technologies for Fall Motion Detection: Techniques, Algorithms and Tools, O., Patsadu et al., <i>Communications in Computer and Information Science</i> , 2012, DOI: 10.1007/978-3-642-35076-4_13
	Sustainable, smart, and sensing technologies for cyber-physical manufacturing systems: A systematic literature review, Andronie, Mihai et al., <i>Sustainability (Switzerland)</i> , 2021, DOI: 10.3390/su13105495
	Using smart technology in an enabling way: A review of using technology to support daily life for a tenant with moderate dementia, N., Evans et al., <i>British Journal of Occupational Therapy</i> , 2011, DOI: 10.4276/030802211X13046730116614
smart tourism	A review of audio guides in the era of smart tourism, S.J., Lee et al., <i>Information Systems Frontiers</i> , 2017, DOI: 10.1007/s10796-016-9666-6
	A state-of-the-art review of smart tourism research, F., Mehraliyev et al., <i>Journal of Travel and Tourism Marketing</i> , 2020, DOI: 10.1080/10548408.2020.1712309
	Developing a model for sustainable smart tourism destinations: A systematic review, S., Shafiee et al., <i>Tourism Management Perspectives</i> , 2019, DOI: 10.1016/j.tmp.2019.06.002
	How smart is e-tourism? A systematic review of smart tourism recommendation system applying data management, R.A., Hamid et al., <i>Computer Science Review</i> , 2021, DOI: 10.1016/j.cosrev.2020.100337
	Intersection of Data Science and Smart Destinations: A Systematic Review, Aguirre Montero, Alexander et al., <i>Frontiers in Psychology</i> , 2021, DOI: 10.3389/fpsyg.2021.712610
	Knowledge management in sustainable and smart tourism: A review of empirical research, P., Rodrigues et al., <i>Proceedings of the European Conference on Knowledge Management, ECKM</i> , 2020, DOI: 10.34190/EKM.20.217

	Mobile technologies and applications towards smart tourism – state of the art, J., Dorcic et al., <i>Tourism Review</i> , 2019, DOI: 10.1108/TR-07-2017-0121
	Rocky roads towards smart tourism: A multi-dimensional challenges review, H., Rafizal Adnan et al., 2020 5th International Conference on Informatics and Computing, ICIC 2020 , 2020, DOI: 10.1109/ICIC50835.2020.9288514
	Smart service experience in hospitality and tourism services: A conceptualization and future research agenda, S., Kabadayi et al., <i>Journal of Service Management</i> , 2019, DOI: 10.1108/JOSM-11-2018-0377
	Smart tourism destinations: a systematic review, S., Shafiee et al., <i>Tourism Review</i> , 2021, DOI: 10.1108/TR-06-2019-0235
	Smart Tourism through social network user modeling: A literature review, A., Kontogianni et al., 2018 9th International Conference on Information, Intelligence, Systems and Applications, IISA 2018 , 2019, DOI: 10.1109/IISA.2018.8633633
	Space-Time behavior survey for smart travel planning in beijing, china, Y., Chai et al., <i>Mobile Technologies for Activity-Travel Data Collection and Analysis</i> , 2014, DOI: 10.4018/978-1-4666-6170-7.ch005
	Systematic review of smart tourism research, B.H., Ye et al., <i>Sustainability (Switzerland)</i> , 2020, DOI: 10.3390/SU12083401
	Technology Adoption of Smart Tourism in Indonesia: Systematic Literature Review, H., Nindito et al., <i>Proceedings - 2nd International Conference on Informatics, Multimedia, Cyber, and Information System, ICIMCIS 2020</i> , 2020, DOI: 10.1109/ICIMCIS51567.2020
smart transportation, smart road, smart bridge, smart mobility, smart vehicle	A brief survey on smart community and smart transportation, H.F., Azgomi et al., <i>Proceedings - International Conference on Tools with Artificial Intelligence, ICTAI</i> , 2018, DOI: 10.1109/ICTAI.2018.00144
	A comprehensive survey on vehicular networks for smart roads: A focus on IP-based approaches, Jeong, Jaehoon et al., <i>Vehicular Communications</i> , 2021, DOI: 10.1016/j.vehcom.2021.100334
	A critical review of sensors for the continuous monitoring of smart and sustainable railway infrastructures, J.M., Castillo-Mingorance et al., <i>Sustainability (Switzerland)</i> , 2020, DOI: 10.3390/su12229428
	A focused review on smart carriers tailored for corrosion protection: Developments, applications, and challenges, Habib, Sehrish et al., <i>Progress in Organic Coatings</i> , 2021, DOI: 10.1016/j.porgcoat.2021.106218
	A Holistic Review of Cybersecurity and Reliability Perspectives in Smart Airports, N., Koroniotis et al., <i>IEEE Access</i> , 2020, DOI: 10.1109/ACCESS.2020.3036728
	A literature review on cloud based smart transport system, Mobin, Gulfishan et al., <i>Proceedings of the 5th International Conference on Trends in Electronics and Informatics, ICOEI 2021</i> , 2021, DOI: 10.1109/ICOEI51242.2021.9452884
	A preliminary survey analysis of school shuttle bus system towards smart mobility solutions, W.S., Yue et al., <i>AIP Conference Proceedings</i> , 2017, DOI: 10.1063/1.5005479
	A review of IoT application in a smart traffic management system, M.K.M., Rabby et al., 2019 5th International Conference on Advances in Electrical Engineering, ICAEE 2019 , 2019, DOI: 10.1109/ICAEE48663.2019.8975582
	A Review of IoT Systems Engineering: Application to the Smart traffic lights system, C., Bouanaka et al., <i>ICAASE 2020 - Proceedings, 4th International Conference on Advanced Aspects of Software Engineering</i> , 2020, DOI: 10.1109/ICAASE51408.2020.9380114
	A review of machine learning and IoT in smart transportation, F., Zantalis et al., <i>Future Internet</i> , 2019, DOI: 10.3390/FI11040094

	A Review of Passenger Digital Information Privacy Concerns in Smart Airports, M.I., Alabsi et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3061425
	A Review on Driving Control Issues for Smart Electric Vehicles, T.S., Haque et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3116353
	A Review on Smart IoT based Gesture Controlled Grass Cutting Vehicle, A., Sultana et al., Proceedings of the 4th International Conference on Trends in Electronics and Informatics, ICOEI 2020 , 2020, DOI: 10.1109/ICOEI48184.2020.9142981
	A review on vehicle classification and potential use of smart vehicle-assisted techniques, H., Shokravi et al., Sensors (Switzerland) , 2020, DOI: 10.3390/s20113274
	A Short Review of the Application of Machine Learning Methods in Smart Airports, H., Huang et al., Journal of Physics: Conference Series , 2021, DOI: 10.1088/1742-6596/1769/1/012010
	A State-of-the-Art Review on Solar-Powered Energy-Efficient PMSM Drive Smart Electric Vehicle for Sustainable Development, C., Sain et al., Green Energy and Technology , 2020, DOI: 10.1007/978-981-15-4246-6_15
	A survey on IoT based road traffic surveillance and accident detection system (A smart way to handle traffic and concerned problems), R., Patel et al., 2017 Innovations in Power and Advanced Computing Technologies, i-PACT 2017 , 2017, DOI: 10.1109/IPACT.
	A survey on smart traffic network control and optimization, W., Merrad et al., 1st International Conference on Multidisciplinary Engineering Design Optimization, MEDO 2016 , 2016, DOI: 10.1109/MEDO.2016.7746553
	An interdisciplinary review of smart vehicular traffic and its applications and challenges, U., Fiore et al., Journal of Sensor and Actuator Networks , 2019, DOI: 10.3390/jsan8010013
	Data mining techniques for smart mobility—a survey, A., Aggarwal et al., Advances in Intelligent Systems and Computing , 2018, DOI: 10.1007/978-981-10-8633-5_25
	Design and control of hybrid power and propulsion systems for smart ships: A review of developments, R.D., Geertsma et al., Applied Energy , 2017, DOI: 10.1016/j.apenergy.2017.02.060
	Fuzzy Logic Based VANETS: A Review on Smart Transportation System, H.V., Maddiboyina et al., 2019 International Conference on Computer Communication and Informatics, ICCCI 2019 , 2019, DOI: 10.1109/ICCCI.2019.8822181
	How can smart mobility innovations alleviate transportation disadvantage? Assembling a conceptual framework through a systematic review, L., Butler et al., Applied Sciences (Switzerland) , 2020, DOI: 10.3390/APP10186306
	Increasing acceptance of free-floating car sharing systems using smart relocation strategies: A survey based study of car2go hamburg, S., Herrmann et al., Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and
	Internet of vehicle (ioV) applications in expediting the implementation of smart highway of autonomous vehicle: A survey, U.Z.A., Hamid et al., EAI/Springer Innovations in Communication and Computing , 2019, DOI: 10.1007/978-3-319-93557-7_9
	IoT Based Smart Self Power Generating Street Light and Road Safety System Design: A Review, Islam, Md Hasibul et al., TENSYP 2021 - 2021 IEEE Region 10 Symposium, 2021, DOI: 10.1109/TENSYP52854.2021.9550937
	Legume proteins are smart carriers to encapsulate hydrophilic and hydrophobic bioactive compounds and probiotic bacteria: A review, S.M.T., Gharibzadeh et al., Comprehensive Reviews in Food Science and Food Safety , 2021, DOI: 10.1111/1541-4337.12699
	Low-Power Wide-Area Networks in Intelligent Transportation: Review and Opportunities for Smart-Railways, R., Dirnfeld et al., 2020 IEEE 23rd International Conference on Intelligent Transportation Systems, ITSC 2020 , 2020, DOI: 10.1109/ITSC45102.2020.929
	Research Agenda for Shaping the Future of Smart Mobility, H., Dia et al., Journal of Transport and Health , 2019, DOI: 10.1016/j.jth.2019.100656

	Research Issues in Smart Vehicles and Elderly Drivers: A Literature Review, I., Rhiu et al., International Journal of Human-Computer Interaction , 2015, DOI: 10.1080/10447318.2015.1070540
	Safe driving in a green world: A review of driver performance benchmarks and technologies to support 'smart' driving, M.S., Young et al., Applied Ergonomics , 2011, DOI: 10.1016/j.apergo.2010.08.012
	Shape memory alloy-based smart RC bridges: Overview of state-of-the-art, M.S., Alam et al., Smart Structures and Systems , 2008, DOI: 10.12989/sss.2008.4.3.367
	Smart Airports: Review and Open Research Issues, Z., Alansari et al., Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST , 2019, DOI: 10.1007/978-3-030-23943-5_10
	Smart and sustainable transport: Short review of the special issue, K., Gopalakrishnan et al., Transport , 2015, DOI: 10.3846/16484142.2015.1099407
	Smart car system: Review, A.K., Sagar et al., Journal of Critical Reviews , 2020, DOI: 10.31838/jcr.07.01.137
	Smart In-Vehicle Technologies and Older Drivers: A Scoping Review, S., Classen et al., OTJR Occupation, Participation and Health , 2019, DOI: 10.1177/1539449219830376
	Smart mobility adoption: A review of the literature, Bıyık, Can et al., Journal of Open Innovation: Technology, Market, and Complexity, 2021, DOI: 10.3390/joitmc7020146
	Smart mobility: A survey, A., Freitas et al., Internet of Things for the Global Community, IoTGC 2017 - Proceedings , 2017, DOI: 10.1109/IoTGC.2017.8008972
	Smart Mobility: A Systematic Literature Review of Mobility Assistants to Support Multi-modal Transportation Situations in Smart Cities, N.P., Rocha et al., Lecture Notes in Networks and Systems , 2021, DOI: 10.1007/978-3-030-49264-9_27
	Smart railway sleepers - a review of recent developments, challenges, and future prospects, G., Jing et al., Construction and Building Materials , 2021, DOI: 10.1016/j.conbuildmat.2020.121533
	Smart roads: A state of the art of highways innovations in the Smart Age, A., Pompigna et al., Engineering Science and Technology, an International Journal , 2021, DOI: 10.1016/j.jestch.2021.04.005
	Smart Storage Systems for Electric Vehicles–A Review, G., Udhaya Sankar et al., Smart Science , 2019, DOI: 10.1080/23080477.2018.1531612
	Smart Traffic Congestion model in IoT-A Review, K., Ramesh et al., Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020 , 2020, DOI: 10.1109/ICECA49313.2020.9297631
	Smart Traffic Control in Vehicle Ad-Hoc Networks: A Systematic Literature Review, Cunha, Benedito et al., International Journal of Wireless Information Networks, 2021, DOI: 10.1007/s10776-021-00517-8
	Smart transportation system: A review of security and privacy issues, N., Alsaffar et al., 2018 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies, 3ICT 2018 , 2018, DOI: 10.1109/3ICT.2018.8855737
	Systematic Literature Review on Smart Mobility: A Framework for Future “Quantitative” Developments, Francini, Mauro and Chieffallo, Lucia and Palermo, Annunziata and Viapiana, Maria Francesca et al., Journal of Planning Literature, 2021, DOI: 10.1177/0885
	The quality of smart mobility: A systematic review, S., Nagy et al., Scientific Journal of Silesian University of Technology. Series Transport , 2020, DOI: 10.20858/sjsutst.2020.109.11
	Towards the internet of smart trains: A review on industrial IoT-connected railways, P., Fraga-Lamas et al., Sensors (Switzerland) , 2017, DOI: 10.3390/s17061457
smart university, smart campus	A Review on Smart Universities and Artificial Intelligence, M., Al-Shoqran et al., Studies in Computational Intelligence , 2021, DOI: 10.1007/978-3-030-62796-6_16

	A survey on internet of things based smart, digital green and intelligent campus, V., Subbarao et al., Proceedings - 2019 4th International Conference on Internet of Things: Smart Innovation and Usages, IoT-SIU 2019 , 2019, DOI: 10.1109/IoT-SIU.2019.8777
	A survey on internet of things enabled smart campus applications, A., Abuarqoub et al., ACM International Conference Proceeding Series , 2017, DOI: 10.1145/3102304.3109810
	A survey on smart campus implementation in Malaysia, M., Musa et al., International Journal on Informatics Visualization , 2021, DOI: 10.30630/joiv.5.1.434
	Challenges and Solutions of Surveillance Systems in IoT-Enabled Smart Campus: A Survey, T., Anagnostopoulos et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3114447
	Feature and application in smart campus: A systematic literature review, Madyatmadja, Evaristus Didik et al., Proceedings of 2021 International Conference on Information Management and Technology, ICIMTech 2021, 2021, DOI: 10.1109/ICIMTech53080.2021.95350
	Introducing a survey methodology for assessing LoRaWAN coverage in Smart Campus scenarios, H.B.M., Alves et al., 2020 IEEE International Workshop on Metrology for Industry 4.0 and IoT, MetroInd 4.0 and IoT 2020 - Proceedings , 2020, DOI: 10.1109/MetroInd
	IoT smart campus review and implementation of IoT applications into education process of university, A., Zhamanov et al., 2017 13th International Conference on Electronics, Computer and Computation, ICECCO 2017 , 2018, DOI: 10.1109/ICECCO.2017.8333334
	Iot usage on smart campus: A systematic literature review, E.D., Madyatmadja et al., International Journal of Emerging Technology and Advanced Engineering , 2021, DOI: 10.46338/IJETAE0521_06
	Opportunistic mobile social networks: Challenges survey and application in smart campus, M., Kadadha et al., International Conference on Wireless and Mobile Computing, Networking and Communications , 2016, DOI: 10.1109/WiMOB.2016.7763216
	Smart campus features, technologies, and applications: A systematic literature review, W., Muhamad et al., 2017 International Conference on Information Technology Systems and Innovation, ICITSI 2017 - Proceedings , 2017, DOI: 10.1109/ICITSI.2017.8267975
	Smart Campus Model: A Literature Review, R.V., Imbar et al., 7th International Conference on ICT for Smart Society: AIoT for Smart Society, ICISS 2020 - Proceeding , 2020, DOI: 10.1109/ICISS50791.2020.9307570
	Smart Campuses: Extensive Review of the Last Decade of Research and Current Challenges, N., Chagnon-Lessard et al., IEEE Access , 2021, DOI: 10.1109/ACCESS.2021.3109516
	Smart University: A Review from the Educational and Technological View of Internet of Things, D., Rico-Bautista et al., Advances in Intelligent Systems and Computing , 2019, DOI: 10.1007/978-3-030-11890-7_42
	Smart university: Literature review and creative analysis, C., Heinemann et al., Smart Innovation, Systems and Technologies , 2018, DOI: 10.1007/978-3-319-59454-5_2
	Survey toward a smart campus using the internet of things, A., Alghamdi et al., Proceedings - 2016 IEEE 4th International Conference on Future Internet of Things and Cloud, FiCloud 2016 , 2016, DOI: 10.1109/FiCloud.2016.41
	Towards next generation teaching, learning, and context-aware applications for higher education: A review on blockchain, IoT, Fog and edge computing enabled smart campuses and universities, T.M., Fernandez-Carames et al., Applied Sciences (Switzerland) ,
smart waste management	A Review on Smart Waste Collection and Disposal System, Keerthana, S. et al., Journal of Physics: Conference Series, 2021, DOI: 10.1088/1742-6596/1969/1/012029

	A survey on FOG computing for smart waste management system, P.V., Garach et al., ICCT 2017 - International Conference on Intelligent Communication and Computational Techniques , 2018, DOI: 10.1109/INTELCCT.2017.8324058
	Esthetic, integrated, smart and green trash bin for public space: A review, Fauziah et al., IOP Conference Series: Earth and Environmental Science , 2020, DOI: 10.1088/1755-1315/575/1/012240
	Review and outlook on municipal solid waste smart incineration, Y., Ying et al., Huagong Xuebao/CIESC Journal , 2021, DOI: 10.11949/0438-1157.20200733
	Review on smart garbage alert system, K., Jindal et al., Journal of Critical Reviews , 2020, DOI: 10.31838/jcr.07.10.235
	Smart garbage bin systems – A comprehensive survey, G., Soni et al., Communications in Computer and Information Science , 2018, DOI: 10.1007/978-981-10-7635-0_15
	Smart trash monitoring and segregation system using emerging technology—a survey, K., Dhyani et al., Communications in Computer and Information Science , 2019, DOI: 10.1007/978-981-13-3140-4_60
	Smart waste bin system: A review, A., Noiki et al., IOP Conference Series: Earth and Environmental Science , 2021, DOI: 10.1088/1755-1315/655/1/012036
	Smart waste management using Internet of Things: A survey, K.N., Fallavi et al., Proceedings of the International Conference on IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2017 , 2017, DOI: 10.1109/I-SMAC.2017.8058247
	Smart ways of hospital wastewater management, regulatory standards and conventional treatment techniques: A short review, N.A., Khan et al., Smart and Sustainable Built Environment , 2020, DOI: 10.1108/SASBE-06-2019-0079
	Survey on IOT based smart waste bin, D.K., Tripathi et al., Proceedings - 2020 IEEE 9th International Conference on Communication Systems and Network Technologies, CSNT 2020 , 2020, DOI: 10.1109/CSNT48778.2020.9115793