Wireless sensor network virtualization: A survey

Citation Report

#	ARTICLE	IF	CITATIONS
1	Development of Portable Wireless Sensor Network System for Real-Time Traffic Surveillance. , 2015, , .		13
2	Getting Virtualized Wireless Sensor Networks' IaaS Ready for PaaS. , 2015, , .		9
3	Virtual Wireless Sensor Networks: Adaptive Brain-Inspired Configuration for Internet of Things Applications. Sensors, 2016, 16, 1323.	2.1	9
4	Towards an Efficient Service Provisioning in Cloud of Things (CoT). , 2016, , .		3
5	Towards a service-oriented architecture for a mobile assistive system with real-time environmental sensing. Tsinghua Science and Technology, 2016, 21, 581-597.	4.1	15
6	Internet of Things (IoT) sensors for smart home electric energy usage management. , 2016, , .		13
7	A genetic algorithm-based solution for efficient in-network sensor data annotation in virtualized Wireless Sensor Networks. , 2016, , .		8
8	Cyber-physical systems clouds: A survey. Computer Networks, 2016, 108, 260-278.	3.2	89
9	An Elastic Hybrid Sensing Platform: Architecture and Research Challenges. Procedia Computer Science, 2016, 94, 113-120.	1.2	1
10	A framework for ontology provisioning in Virtualized Wireless Sensor Networks. , 2016, , .		0
11	SDN and Virtualization Solutions for the Internet of Things: A Survey. IEEE Access, 2016, 4, 5591-5606.	2.6	207
12	Survey on Network Virtualization Hypervisors for Software Defined Networking. IEEE Communications Surveys and Tutorials, 2016, 18, 655-685.	24.8	226
13	Constructing virtual IoT network topologies with a brain-inspired connectivity model. , 2017, , .		0
14	A Survey on Software-Defined Wireless Sensor Networks: Challenges and Design Requirements. IEEE Access, 2017, 5, 1872-1899.	2.6	360
15	A Wireless Cloud Network Platform for Industrial Process Automation: Critical Data Publishing and Distributed Sensing. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 592-603.	2.4	41
16	Percolation analysis for constructing a robust modular topology based on a binary-dynamics model. International Journal of Distributed Sensor Networks, 2017, 13, 155014771770114.	1.3	1
17	RAMSES: A new reference architecture for self-adaptive middleware in Wireless Sensor Networks. Ad Hoc Networks, 2017, 55, 3-27.	3.4	9
18	A Distributed TDMA Scheduling Algorithm Based on Energy-Topology Factor in Internet of Things. IEEE Access, 2017, 5, 10757-10768.	2.6	32

#	ARTICLE	IF	CITATIONS
19	Virtualization of Wireless Sensor Networks Through MAC Layer Resource Scheduling. IEEE Sensors Journal, 2017, 17, 1562-1576.	2.4	13
20	Software Defined Machine-to-Machine Communication for Smart Energy Management. , 2017, 55, 52-60.		137
21	A Distributed TDMA Scheduling Algorithm Based on Exponential Backoff Rule and Energy-Topology Factor in Internet of Things. IEEE Access, 2017, 5, 20866-20879.	2.6	20
22	Cloud of Things Modeling for Efficient and Coordinated Resources Provisioning. Lecture Notes in Computer Science, 2017, , 175-193.	1.0	1
23	Mapping Application Requirements to Virtualization-Enabled Software Defined WSN. Wireless Personal Communications, 2017, 97, 1693-1709.	1.8	0
24	DT-RPL: Diverse bidirectional traffic delivery through RPL routing protocol in low power and lossy networks. Computer Networks, 2017, 126, 150-161.	3.2	37
25	Efficient tree based code dissemination and search protocol for small subset of sensors. , 2017, , .		2
26	A domain-independent methodology to analyze IoT data streams in real-time. A proof of concept implementation for anomaly detection from environmental data. International Journal of Digital Earth, 2017, 10, 103-120.	1.6	29
27	A Survey of Multi-Objective Optimization in Wireless Sensor Networks: Metrics, Algorithms, and Open Problems. IEEE Communications Surveys and Tutorials, 2017, 19, 550-586.	24.8	317
28	A lifetime optimization mobile data gathering strategy with adaptive compressive sensing in WSN. , 2017, , .		4
29	Object Tracking Using Modified Lossy Extended Kalman Filter. , 2017, , .		3
30	Design of propagation testnode for LoRa based wireless underground sensor networks. , 2017, , .		10
31	A new tree target tracking algorithm in WSNs. , 2017, , .		1
32	Dynamic Involvement of Real World Objects in the IoT: A Consensus-Based Cooperation Approach. Sensors, 2017, 17, 484.	2.1	16
33	Exploring the economical benefits of virtualized wireless sensor networks. , 2017, , .		1
34	Survey on RPL enhancements: A focus on topology, security and mobility. Computer Communications, 2018, 120, 10-21.	3.1	105
35	Review of Internet of Things (IoT) in Electric Power and Energy Systems. IEEE Internet of Things Journal, 2018, 5, 847-870.	5.5	460
36	Perspectives for resource sharing in 5G networks. Telecommunication Systems, 2018, 68, 605-619.	1.6	26

#	Article	IF	Citations
37	Complementary Electromagneticâ€"Triboelectric Active Sensor for Detecting Multiple Mechanical Triggering. Advanced Functional Materials, 2018, 28, 1705808.	7.8	87
38	Parametric survey on cross-layer designs for wireless sensor networks. Computer Science Review, 2018, 27, 112-134.	10.2	59
39	An Unequal Cluster-Radius Approach Based on Node Density in Clustering for Wireless Sensor Networks. Wireless Personal Communications, 2018, 101, 1619-1637.	1.8	14
40	ICT enabling technologies for smart cities. , 2018, , .		2
41	Virtualization Approach for Machine-Type Communications in Multi-RAT Environment. Wireless Personal Communications, 2018, 100, 67-79.	1.8	2
42	Virtualization in Wireless Sensor Networks: Fault Tolerant Embedding for Internet of Things. IEEE Internet of Things Journal, 2018, 5, 571-580.	5.5	96
43	Joint Application Admission Control and Network Slicing in Virtual Sensor Networks. IEEE Internet of Things Journal, 2018, 5, 28-43.	5.5	40
44	An Energy Efficient Target Specific Code Dissemination Scheme with Forwarder Selection Algorithm in WSNs. , 2018, , .		1
45	Logically Centralized-Physically Distributed Software Defined Network Controller Architecture. , 2018, , .		4
46	Energy Efficient Heuristic Algorithm for Task Mapping on Shared-Memory Heterogeneous MPSoCs. , 2018, , .		17
47	Energy Efficient Task Mapping & Scheduling on Heterogeneous NoC-MPSoCs in IoT Based Smart City. , 2018, , .		11
48	Software Defined Network Based Management Framework For Wireless Sensor Networks. , 2018, , .		4
49	Design of Mobile 4G Gateway Based on Zigbee Wireless Sensor Network. International Journal of Online Engineering, 2018, 14, 117.	0.5	0
50	Adaptive Unequal Clustering Using an Improved LEACH Protocol with Energy Balance. , 2018, , .		0
51	A System Architecture for Cloud of Sensors. , 2018, , .		0
52	Enhancing Signal Strength and ISI-Avoidance of Diffusion-based Molecular Communication. , 2018, , .		5
53	An Implementation for Dynamic Application Allocation in Shared Sensor Networks. , 2018, , .		1
54	Energy Efficient Task Assignment in Virtualized Wireless Sensor Networks. , 2018, , .		10

#	ARTICLE	IF	CITATIONS
55	Socio-Physical Energy-Efficient Operation in the Internet of Multipurpose Things. , 2018, , .		5
56	Simplified Agent-Based Resource Sharing Approach for WSN-WSN Interaction in IoT/CPS Projects. IEEE Access, 2018, 6, 78077-78091.	2.6	20
57	An Infrastructure as a Service for the Internet of Things. , 2018, , .		2
58	Performance Analysis of DF/AF Cooperative MISO Wireless Sensor Networks With NOMA and SWIPT Over Nakagami-<inline-formula> <tex-math notation="LaTeX">m </tex-math> </inline-formula> Fading. IEEE Access, 2018, 6, 56142-56161.	2.6	27
59	Efficient dispatch of mobile sensors in a WSN with wireless chargers. Pervasive and Mobile Computing, 2018, 51, 104-120.	2.1	7
60	Congestion Control and Prediction Schemes Using Fuzzy Logic System with Adaptive Membership Function in Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-19.	0.8	15
61	An Outlook on Physical and Virtual Sensors for a Socially Interactive Internet. Sensors, 2018, 18, 2578.	2.1	14
62	An Ultra-Low-Friction Triboelectricâ€"Electromagnetic Hybrid Nanogenerator for Rotation Energy Harvesting and Self-Powered Wind Speed Sensor. ACS Nano, 2018, 12, 9433-9440.	7.3	286
63	Research on the Weighted Dynamic Evolution Model for Space Information Networks Based on Local-World. Information (Switzerland), 2018, 9, 158.	1.7	2
64	Hybrid SDN Networks: A Survey of Existing Approaches. IEEE Communications Surveys and Tutorials, 2018, 20, 3259-3306.	24.8	236
65	Towards Genetic Cryptography for Biomedical Wireless Sensor Networks Gateways. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1814-1823.	3.9	12
66	Gleer: A Novel Gini-Based Energy Balancing Scheme for Mobile Botnet Retopology. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	0.8	0
67	Drawing Inspiration from Human Brain Networks: Construction of Interconnected Virtual Networks. Sensors, 2018, 18, 1133.	2.1	8
68	Offloading in fog computing for IoT: Review, enabling technologies, and research opportunities. Future Generation Computer Systems, 2018, 87, 278-289.	4.9	287
69	Software-Defined Architectures and Technologies for Underwater Wireless Sensor Networks: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2855-2888.	24.8	92
70	A flexible design of waveform for communication and navigation. , 2018, , .		1
71	Cloud Based IoT Network Virtualization for Supporting Dynamic Connectivity among Connected Devices. Electronics (Switzerland), 2019, 8, 742.	1.8	22
72	Application of Non-Orthogonal Multiple Access in Wireless Sensor Networks for Smart Agriculture. IEEE Access, 2019, 7, 87582-87592.	2.6	41

#	Article	IF	Citations
73	Low Detection Limit and High Sensitivity Wind Speed Sensor Based on Triboelectrification–Induced Electroluminescence. Advanced Science, 2019, 6, 1901980.	5.6	34
74	Clustering Routing Algorithm and Simulation of Internet of Things Perception Layer Based on Energy Balance. IEEE Access, 2019, 7, 145667-145676.	2.6	23
75	Decentralized Iot Edge Nanoservice Architecture for Future Gadget-Free Computing. IEEE Access, 2019, 7, 119856-119872.	2.6	34
76	CMD-Based NLOS Identification and Mitigation in Wireless Sensor Networks. , 2019, , .		5
77	Analysis of SDN-Based Security Challenges and Solution Approaches for SDWSN Usage. , 2019, , .		10
78	Multi-Step Data Prediction in Wireless Sensor Networks Based on One-Dimensional CNN and Bidirectional LSTM. IEEE Access, 2019, 7, 117883-117896.	2.6	92
79	Sensor virtualization Middleware design for Ambient Assisted Living based on the Priority packet processing. Procedia Computer Science, 2019, 151, 345-352.	1.2	1
80	A Data-Driven Service Creation Approach for Effectively Capturing Events from Multiple Sensor Streams. , 2019, , .		1
81	An efficient architecture for the accurate detection and monitoring of an event through the sky. Computer Communications, 2019, 148, 115-128.	3.1	49
82	Shared Sensor Networks Fundamentals, Challenges, Opportunities, Virtualization Techniques, Comparative Analysis, Novel Architecture and Taxonomy. Journal of Sensor and Actuator Networks, 2019, 8, 29.	2.3	3
83	AN-Aided Secure Beamforming in Power-Splitting-Enabled SWIPT MIMO Heterogeneous Wireless Sensor Networks. Electronics (Switzerland), 2019, 8, 459.	1.8	2
84	A Survey on Mobile Crowdsensing Systems: Challenges, Solutions, and Opportunities. IEEE Communications Surveys and Tutorials, 2019, 21, 2419-2465.	24.8	334
85	A survey on low-power wide area networks for IoT applications. Telecommunication Systems, 2019, 71, 249-274.	1.6	64
86	A Comprehensive Technological Survey on the Dependable Self-Management CPS: From Self-Adaptive Architecture to Self-Management Strategies. Sensors, 2019, 19, 1033.	2.1	18
87	$$E^{2} SR^{2}$$ E 2 S R 2 : An acknowledgement-based mobile sink routing protocol with rechargeable sensors for wireless sensor networks. Wireless Networks, 2019, 25, 2697-2721.	2.0	43
88	APP Design of Energy Monitoring in Smart Campus Based on Android System. International Journal of Online and Biomedical Engineering, 2019, 15, 18.	0.9	6
89	Intelligent Latency-Aware Virtual Network Embedding for Industrial Wireless Networks. IEEE Internet of Things Journal, 2019, 6, 7484-7496.	5.5	21
90	Distributed signal processing for dense 5G IoT platforms: Networking, synchronization, interference detection and radio sensing. Ad Hoc Networks, 2019, 89, 9-21.	3.4	17

#	Article	IF	Citations
91	A Perspective of Emerging Technologies for Industrial Internet. , 2019, , .		5
92	Congestion control model of communication network based on wireless sensor network. Journal of Computational Methods in Sciences and Engineering, 2019, , 1-8.	0.1	0
93	Application of Non-Orthogonal Multiple Access for IoT in Food Traceability System. , 2019, , .		3
94	Object Tracking in Random Access Sensor Networks: Extended Kalman Filtering with State Overlapping. , 2019, , .		2
95	Study on A Modified Adaptive Compressed Sensing Algorithm in Wireless Sensor Network of Microgrid. , 2019, , .		0
96	Design Optimization of a MIMO Receiver for Diffusion-based Molecular Communication. , 2019, , .		8
97	A hybrid virtual network mapping algorithm based on threshold load. International Journal of Satellite Communications and Networking, 2019, 37, 224-233.	1.2	3
98	Efficient Path Planning for a Mobile Sink to Reliably Gather Data from Sensors with Diverse Sensing Rates and Limited Buffers. IEEE Transactions on Mobile Computing, 2019, 18, 1527-1540.	3.9	62
99	The Internet of Space Things/CubeSats: A ubiquitous cyber-physical system for the connected world. Computer Networks, 2019, 150, 134-149.	3.2	92
100	Energy-Efficient Orchestration in Wireless Powered Internet of Things Infrastructures. IEEE Transactions on Green Communications and Networking, 2019, 3, 317-328.	3.5	17
101	End-to-End Delay Enhancement in 6LoWPAN Testbed Using Programmable Network Concepts. IEEE Internet of Things Journal, 2019, 6, 3070-3086.	5.5	24
102	A High-Speed Integrated building emulation engine based on discrete event simulation. Journal of Systems Architecture, 2019, 92, 53-65.	2.5	3
103	Zeus: A resource allocation algorithm for the cloud of sensors. Future Generation Computer Systems, 2019, 92, 564-581.	4.9	22
104	Data Acquisition and Transmission Scheme for Large Projects Based on LoRa Internet of Things Using Improved Linear Integer Programming Model. International Journal of Wireless Information Networks, 2020, 27, 215-225.	1.8	1
105	LW-CoEdge: a lightweight virtualization model and collaboration process for edge computing. World Wide Web, 2020, 23, 1127-1175.	2.7	22
106	Performance Enhancement of Diffusion-Based Molecular Communication. IEEE Transactions on Nanobioscience, 2020, 19, 48-58.	2.2	9
107	Secure and Energy-Efficient Geocasting Protocol for GPS-Free Hierarchical Wireless Sensor Networks with Obstacles. International Journal of Wireless Information Networks, 2020, 27, 60-76.	1.8	1
108	Function Matching of Terminal Modules of Intelligent Furniture for Elderly Based on Wireless Sensor Network. IEEE Access, 2020, 8, 132481-132488.	2.6	6

#	ARTICLE	IF	CITATIONS
109	Exploiting relay nodes for maximizing wireless underground sensor network lifetime. Applied Intelligence, 2020, 50, 4568-4585.	3.3	14
110	On Performance of Cooperative Transmission in Uplink Non-Orthogonal Multiple Access Wireless Sensor Networks. , 2020, , .		5
111	Energy-Balanced Cluster-Routing Protocol Based on Particle Swarm Optimization with Five Mutation Operators for Wireless Sensor Networks. Sensors, 2020, 20, 7217.	2.1	8
112	Design of Smart System to Control Energy in Idle Time. Journal of Physics: Conference Series, 2020, 1501, 012002.	0.3	0
113	Degree-Constrained k -Minimum Spanning Tree Problem. Complexity, 2020, 2020, 1-25.	0.9	1
114	Real-time Test Platform for Enabling Grid Service Virtualisation in Cyber Physical Energy System. , 2020, , .		11
115	Edge-Assisted Resource Management for Data-Centric IoT Applications in Shared Sensor Networks. , 2020, , .		1
116	Energy-Efficient Connected-Coverage Scheme in Wireless Sensor Networks. Sensors, 2020, 20, 6127.	2.1	8
117	Object Tracking in Random Access Networks: A Large-Scale Design. IEEE Internet of Things Journal, 2020, 7, 9784-9792.	5.5	4
118	2-D Coverage Optimization In WSN Using A Novel Variant Of Particle Swarm Optimisation. , 2020, , .		27
119	Virtual Network Embedding for Multi-Domain Heterogeneous Converged Optical Networks: Issues and Challenges. Sensors, 2020, 20, 2655.	2.1	10
120	Approximation algorithm for minimum weight connected-k-subgraph cover. Theoretical Computer Science, 2020, 838, 160-167.	0.5	3
121	A Panorama of Cloud Platforms for IoT Applications Across Industries. Sensors, 2020, 20, 2701.	2.1	11
122	A Survey on Trend and Classification of Internet of Things Reviews. IEEE Access, 2020, 8, 111763-111782.	2.6	85
123	Fuzzy logic rate adjustment controls using a circuit breaker for persistent congestion in wireless sensor networks. Wireless Networks, 2020, 26, 3603-3627.	2.0	6
124	Digital Twin in the IoT Context: A Survey on Technical Features, Scenarios, and Architectural Models. Proceedings of the IEEE, 2020, 108, 1785-1824.	16.4	294
125	Virtualization Management Concept for Flexible and Fault-Tolerant Smart Grid Service Provision. Energies, 2020, 13, 2196.	1.6	15
126	A comprehensive survey of interface protocols for software defined networks. Journal of Network and Computer Applications, 2020, 156, 102563.	5.8	85

#	Article	IF	Citations
127	Lightweight Dynamic Group Rekeying for Low-Power Wireless Networks in IIoT. IEEE Internet of Things Journal, 2020, 7, 4972-4986.	5.5	9
128	Resource Allocation in Wireless Powered Virtualized Sensor Networks. IEEE Access, 2020, 8, 40327-40336.	2.6	12
129	Anticomplementary Triangles for Efficient Coverage in Sensor Network-Based IoT. IEEE Systems Journal, 2020, 14, 4854-4863.	2.9	9
130	A comprehensive and systematic review of the network virtualization techniques in the IoT. International Journal of Communication Systems, 2020, 33, e4331.	1.6	15
131	Wireless Sensor Networks Deployment: A Result Oriented Analysis. Wireless Personal Communications, 2020, 113, 843-866.	1.8	40
132	Unmanned aerial vehicle for internet of everything: Opportunities and challenges. Computer Communications, 2020, 155, 66-83.	3.1	138
133	Using Machine Learning Methods to Provision Virtual Sensors in Sensor-Cloud. Sensors, 2020, 20, 1836.	2.1	13
134	ICT Enabling Technologies for Smart Cities. , 2020, , .		9
135	Joint Scheduling and Channel Allocation for Kalman Filtering Over Multihop WirelessHART Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 3555-3565.	7.2	6
136	Wireless Networks for Voltage Stability Analysis and Anti-islanding Protection of Smart Grid System. Wireless Personal Communications, 2021, 116, 1361-1378.	1.8	11
137	FCM clustering and FLS based CH selection to enhance sustainability of wireless sensor networks for environmental monitoring applications. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 1139-1159.	3.3	11
138	Lifetime-Priority-Driven Resource Allocation for WNV-Based Internet of Things. IEEE Internet of Things Journal, 2021, 8, 4514-4525.	5.5	10
139	Industry 4.0: Cloud-assisted Internet of Things Applications and Challenges. , 2021, , 1-40.		1
140	An Optimized Data Fusion Paradigm for WSN Based on Neural Networks. Computers, Materials and Continua, 2021, 69, 1097-1108.	1.5	4
141	A Review on a Secure IoT-Based Healthcare System. Lecture Notes in Electrical Engineering, 2021, , 3005-3016.	0.3	1
142	Improving IoT Services Using a Hybrid Fog-Cloud Offloading. IEEE Access, 2021, 9, 13775-13788.	2.6	28
143	A Reliable Interference-Aware Mapping Algorithm for Airborne Tactical Network Virtualization. IEEE Access, 2021, 9, 5083-5096.	2.6	6
144	Computational intelligent techniques for resource management schemes in wireless sensor networks. , 2021, , 41-59.		3

#	Article	IF	Citations
145	Enhancing Blackslist-Based Packet Filtration Using Blockchain in Wireless Sensor Networks. Lecture Notes in Computer Science, 2021, , 624-635.	1.0	3
146	Enabling Internet of Media Things With Edge-Based Virtual Multimedia Sensors. IEEE Access, 2021, 9, 59255-59269.	2.6	5
147	The Compressed Sensing of Wireless Sensor Networks Based on Internet of Things. IEEE Sensors Journal, 2021, 21, 25267-25273.	2.4	16
148	Novel design and performance analysis of WSN node using NRF and ATmega328. IOP Conference Series: Materials Science and Engineering, 0, 1020, 012030.	0.3	0
149	Snapshot of Energy Optimization Techniques to Leverage Life of Wireless Sensor Network. International Journal of Advanced Computer Science and Applications, 2021, 12, .	0.5	0
150	A Model-Based Approach for Adaptable Middleware Evolution in WSN Platforms. Journal of Sensor and Actuator Networks, 2021, 10, 20.	2.3	4
151	Scale−free topology security mechanism of wireless sensor network against cascade failure. International Journal of Communication Systems, 2021, 34, e4810.	1.6	2
152	VLSI Implementation of a Cost-Efficient Loeffler DCT Algorithm with Recursive CORDIC for DCT-Based Encoder. Electronics (Switzerland), 2021, 10, 862.	1.8	2
153	Simulation of optimal selection algorithm for wireless sensor cluster head node Bayesian statistical network. Journal of Intelligent and Fuzzy Systems, 2021, , 1-9.	0.8	3
154	Resource Allocation in Virtualized CoMP-NOMA HetNets: Multi-Connectivity for Joint Transmission. IEEE Transactions on Communications, 2021, 69, 4172-4185.	4.9	22
155	Key Technologies of IoT Service Security and Privacy Protection. Converter, 0, , 70-79.	0.0	0
156	Energy Balanced Clustering Routing Protocol for Wireless Sensor Networks. , 2021, , .		0
157	A decomposition-based multi-objective optimization approach for balancing the energy consumption of wireless sensor networks. Applied Soft Computing Journal, 2021, 107, 107365.	4.1	25
158	Integration of Machine Learning Techniques in Virtual Wireless Sensor Network for insect monitoring. Journal of Physics: Conference Series, 2021, 1998, 012031.	0.3	1
159	Power Allocation in Massive MIMO-HWSN Based on the Water-Filling Algorithm. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	0.8	7
160	Optimization of Energy and Security in Mobile Sensor Network Using Classification Based Signal Processing in Heterogeneous Network. Journal of Signal Processing Systems, 2023, 95, 153-160.	1.4	12
161	Architectural Design, Improvement, and Challenges of Distributed Software-Defined Wireless Sensor Networks. Wireless Personal Communications, 2022, 122, 2395-2439.	1.8	14
162	Delay-Tolerant Distributed Inference in Tracking Networks. Sensors, 2021, 21, 5747.	2.1	0

#	ARTICLE	IF	CITATIONS
163	An Efficient Indoor Positioning Method with the External Distance Variation for Wireless Networks. Electronics (Switzerland), 2021, 10, 1949.	1.8	2
164	Service-Based Resilience via Shared Protection in Mission-Critical Embedded Networks. IEEE Transactions on Network and Service Management, 2021, 18, 2687-2701.	3.2	5
165	Low-Power Failure Detection for Environmental Monitoring Based on IoT. Sensors, 2021, 21, 6489.	2.1	0
166	Research on Beauty Medical Health Monitoring System Based on Wireless Sensor Network. Mobile Information Systems, 2021, 2021, 1-8.	0.4	1
167	Survey of Testing Methods and Testbed Development Concerning Internet of Things. Wireless Personal Communications, 2022, 123, 165-194.	1.8	9
168	Towards a Dynamic Virtual IoT Network Based on User Requirements. Computers, Materials and Continua, 2021, 69, 2231-2244.	1.5	1
169	An Attack-Resistant Weighted Least Squares Localization Algorithm Based on RSSI. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 476-494.	0.2	0
170	Intelligent Applications of WSN in the World: A Technological and Literary Background. Advances in Intelligent Systems and Computing, 2020, , 13-34.	0.5	9
171	A Service-Based Approach for the Uniform Access of Wireless Sensor Networks and Custom Application Tasks Running on Sensor Nodes. Internet of Things, 2018, , 77-101.	1.3	4
172	Resource Allocation and Task Scheduling in the Cloud of Sensors. Studies in Systems, Decision and Control, 2019, , 265-305.	0.8	3
173	A Machine Learning Approach to Predict the Average Localization Error With Applications to Wireless Sensor Networks. IEEE Access, 2020, 8, 208253-208263.	2.6	57
174	A Survey of Network Virtualization Techniques for Internet of Things Using SDN and NFV. ACM Computing Surveys, 2021, 53, 1-40.	16.1	119
175	Design and implementation of low power consumption wireless sensor node. Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 2729.	0.6	4
176	Ensuring Energy Efficiency When Dynamically Assigning Tasks in Virtualized Wireless Sensor Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 613-628.	3.5	8
177	Sensor Cloud. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 226-246.	0.3	0
178	IoT Architecture and Protocols in 5G Environment. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 105-130.	0.3	0
179	Software-Defined Networking Paradigm in Wireless Sensor Networks. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2018, , 254-267.	0.5	0
180	Observation of WiMAX Radio Parameters to Enhance Spectrum Utilization in Mixed Environment. Journal of Telecommunications and Information Technology, 2018, 1, 42-50.	0.3	1

#	ARTICLE	IF	CITATIONS
181	Distributed Algorithms for MaximizingLifetime in Clustered Wireless SensorNetworks Using Energy-Harvesting RelayNod. Journal of Electronic Research and Application, 2018, 2, .	0.1	0
182	Design and Implementation of Small-scale Sensor Network Based on Raspberry Pi. Lecture Notes in Computer Science, 2019, , 357-365.	1.0	1
183	Improved Approximation Algorithm forÂMinimum Weight k-Subgraph CoverÂProblem. Lecture Notes in Computer Science, 2019, , 352-361.	1.0	0
187	RPL-Based Tree Construction Scheme for Target-Specific Code Dissemination in Wireless Sensors Networks. IEICE Transactions on Communications, 2020, E103.B, 190-199.	0.4	1
188	Service-Based Resilience for Embedded IoT Networks. , 2020, , .		5
189	Application of Wireless Sensor Network Technology Based on Forest Ecological Environment Monitoring. , 2020, , .		0
190	Grid Function Virtualization for Reliable Provision of Services in Cyber-Physical Energy Systems. , 2020, , .		1
191	Survivability-Enhanced Virtual Network Embedding Strategy in Virtualized Wireless Sensor Networks. Sensors, 2021, 21, 218.	2.1	3
192	Stochastic Latency Guarantee in Wireless Powered Virtualized Sensor Networks. Sensors, 2021, 21, 121.	2.1	3
193	Network Reliability Optimization Algorithm Based on Service Priority and Load Balancing in Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2021, , 1574-1580.	0.5	1
194	Novel Tasks Assignment Methods for Wireless-Powered IoT Networks. IEEE Internet of Things Journal, 2022, 9, 10563-10575.	5.5	5
195	Reward Maximization Strategy in Virtualized Wireless Sensor Networks. , 2020, , .		2
196	Travel Path Planning for UAV as a Data Collector for a Sparse WSN. , 2021, , .		8
197	A Novel Energy-Efficient, Static Scenario-Oriented Routing Method of Wireless Sensor Network Based on Edge Computing. Wireless Communications and Mobile Computing, 2022, 2022, 1-25.	0.8	5
198	Energy Efficient Virtual Network Embedding in Virtualized Wireless Sensor Networks. , 2022, , .		2
199	Orchestrating Virtual Network Functions in Wireless-Powered IoT Networks. IEEE Internet of Things Journal, 2022, 9, 15874-15885.	5.5	1
200	Intrusion Detection System (IDS) for Security Enhancement in Wireless Sensing Applications. Lecture Notes in Networks and Systems, 2022, , 39-49.	0.5	5
201	Internet of UAV Mounted RFID for Various Applications Using LoRa Technology: A Comprehensive Survey. Lecture Notes in Electrical Engineering, 2022, , 369-380.	0.3	2

#	ARTICLE	IF	CITATIONS
202	Cloud-based virtualization environment for IoT-based WSN: solutions, approaches and challenges. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 4681-4703.	3.3	16
203	A novel oscillation identification method for grid-connected renewable energy based on big data technology. Energy Reports, 2022, 8, 663-671.	2.5	1
204	A novel electric vehicle charging chain design based on blockchain technology. Energy Reports, 2022, 8, 785-793.	2.5	7
205	Distributed Data Compression Method for Wireless Sensor Network Based on Apriori Algorithm. , 2021, , .		0
206	Research on Dynamic Spectrum Allocation Algorithm Based on Cyclic Neural Network. Wireless Communications and Mobile Computing, 2022, 2022, 1-14.	0.8	1
207	Congestion and Computer Program Control Algorithm Strategy for Wireless Sensor Networks Based on Cloud Model. Wireless Communications and Mobile Computing, 2022, 2022, 1-9.	0.8	0
208	Effective Integration of ZigBee Communication Technology and Internet of Things Technology. Journal of Interconnection Networks, 2022, 22, .	0.6	5
209	Wireless Sensor Network Technology-Based Design and Realization of Intelligent Tennis Sports System. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	0.8	1
210	Internet of Intelligence: A Survey on the Enabling Technologies, Applications, and Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 1394-1434.	24.8	20
211	Security and Privacy Protection of Internet of Vehicles Consensus Algorithm Based on Wireless Sensors. Wireless Communications and Mobile Computing, 2022, 2022, 1-14.	0.8	1
212	Wireless Sensor Network coverage optimization based on Yin–Yang pigeon-inspired optimization algorithm for Internet of Things. Internet of Things (Netherlands), 2022, 19, 100546.	4.9	14
213	Fault-Tolerant Embedding Algorithm for Node Failure in Airborne Tactical Network Virtualization. IEEE Access, 2022, 10, 60558-60571.	2.6	2
215	A Cloud Infrastructure as a Service for an Efficient Usage of Sensing and Actuation Capabilities in Internet of Things. , 2022, , .		1
216	Risk Prediction Model of Enterprise Financial Data Based upon Sensor Signal Fusion. Mobile Information Systems, 2022, 2022, 1-14.	0.4	0
217	An Efficient Hybrid IDS Deployment Architecture for Multi-Hop Clustered Wireless Sensor Networks. IEEE Transactions on Information Forensics and Security, 2022, 17, 2688-2702.	4.5	3
218	The Hitchhiker's Guide to Fused Twins: A Review of Access to Digital Twins In Situ in Smart Cities. Remote Sensing, 2022, 14, 3095.	1.8	15
219	Wireless Virtual Network Embedding Algorithm Based on Deep Reinforcement Learning. Electronics (Switzerland), 2022, 11, 2243.	1.8	0
221	Minimum weight clustered dominating tree problem. European Journal of Operational Research, 2023, 306, 535-548.	3.5	0

#	ARTICLE	IF	CITATIONS
222	Dynamic Reliability-Aware Virtual Network Embedding for Airborne Tactical Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-19.	0.8	2
223	Digital Twins From a Networking Perspective. IEEE Internet of Things Journal, 2022, 9, 23525-23544.	5.5	14
224	Modeling and Simulation of Abnormal Behavior Detection through History Trajectory Monitoring in Wireless Sensor Networks. IEEE Access, 2022, , 1-1.	2.6	0
225	The method of intelligent wireless sensor to improve the water permeability of permeable asphalt concrete pavement. IET Networks, 0, , .	1.1	0
226	ABAP: Anchor Node Based DDoS Attack Detection Using Adaptive Neuro-Fuzzy Inference System. Wireless Personal Communications, 2023, 128, 875-899.	1.8	3
227	Industry 4.0: Cloudâ€"Assisted Internet of Things Applications and Challenges. , 2022, , 519-558.		0
228	Review on Unmanned Aerial Vehicle Assisted Sensor Node Localization in Wireless Networks: Soft Computing Approaches. IEEE Access, 2022, 10, 132875-132894.	2.6	13
229	A Dynamic Opportunistic Routing Protocol for Asynchronous Duty-Cycled WSNs. IEEE Transactions on Sustainable Computing, 2023, 8, 314-327.	2.2	2
230	Modeling Evapotranspiration in IoT based WSN for Irrigation Scheduling: An Optimized DL Approach. , 2022, , .		1
231	Trust-Aware Virtual Network Embedding in Wireless Sensor Networks. IEEE Sensors Journal, 2023, 23, 6326-6337.	2.4	1
232	Survivable Virtual Sensor Networks Embedding Strategy for Link Failures. , 2022, , .		0
233	Software-Defined Wireless Sensor Network: A Comprehensive Survey. Journal of Network and Computer Applications, 2023, 215, 103636.	5.8	7
234	High performance wide frequency band triboelectric nanogenerator based on multilayer wave superstructure for harvesting vibration energy. Nano Research, 2023, 16, 6933-6939.	5.8	6
235	Theoretical analysis of electrostatic energy harvester configured as Bennet's doubler based on Qâ€"V cycles. International Journal of Circuit Theory and Applications, 2023, 51, 2518-2543.	1.3	1
236	An Access Middleware for Sensor Traffic Control. , 2022, , .		0
237	E2DNE: Energy Efficient Dynamic Network Embedding in Virtualized Wireless Sensor Networks. IEEE Transactions on Green Communications and Networking, 2023, 7, 1309-1325.	3.5	0
238	Automatically Maintain Climatic Conditions inside Agricultural Greenhouses. Engineering Journal, 2023, 22, 83-100.	0.3	0
239	Status-aware and energy-efficient data aggregation for inter-tidal monitoring systems. Ad Hoc Networks, 2023, 146, 103181.	3.4	1

#	ARTICLE	IF	CITATIONS
243	Online Virtual Network Embedding for Both the Delay Sensitive and Tolerant Services in SDN-enabled Satellite-Terrestrial Networks. , 2023, , .		0
244	Parametric survey on cross-layer design approach for wireless sensor networks. AIP Conference Proceedings, 2023, , .	0.3	0
245	Novel Approach to a Plant Inspired Distributed Security Scheme for Wireless Sensor Networks. , 2023, , .		0
248	Distributed Trust-Aware Virtual Network Embedding for Industrial IoT Systems. , 2023, , .		0
252	IOECCH: Improved Optimized Energy-Efficient Connected Coverage Heuristic Algorithm in WSNs. , 2023, , .		0