Lei Shu

List of Publications by Year
in descending order

485 papers	16,172 citations	16411 64 h-index	23472 111 g-index
494 all docs	494 docs citations	494 times ranked	13682 citing authors

#	Article	IF	Citations
1	Smart Factory of Industry 4.0: Key Technologies, Application Case, and Challenges. IEEE Access, 2018, 6, 6505-6519.	2.6	742
2	Toward Smart Wireless Communications via Intelligent Reflecting Surfaces: A Contemporary Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2283-2314.	24.8	516
3	Survey of Fog Computing: Fundamental, Network Applications, and Research Challenges. IEEE Communications Surveys and Tutorials, 2018, 20, 1826-1857.	24.8	471
4	A survey on coverage and connectivity issues in wireless sensor networks. Journal of Network and Computer Applications, 2012, 35, 619-632.	5.8	457
5	Security and Privacy in Fog Computing: Challenges. IEEE Access, 2017, 5, 19293-19304.	2.6	413
6	Green Internet of Things for Smart World. IEEE Access, 2015, 3, 2151-2162.	2.6	409
7	From Industry 4.0 to Agriculture 4.0: Current Status, Enabling Technologies, and Research Challenges. IEEE Transactions on Industrial Informatics, 2021, 17, 4322-4334.	7.2	306
8	A Multi-Objective Optimization Scheduling Method Based on the Ant Colony Algorithm in Cloud Computing. IEEE Access, 2015, 3, 2687-2699.	2.6	275
9	Internet of Things for the Future of Smart Agriculture: A Comprehensive Survey of Emerging Technologies. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 718-752.	8.5	246
10	Security and Privacy for Green IoT-Based Agriculture: Review, Blockchain Solutions, and Challenges. IEEE Access, 2020, 8, 32031-32053.	2.6	223
11	An Efficient Distributed Trust Model for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1228-1237.	4.0	218
12	Management and applications of trust in Wireless Sensor Networks: A survey. Journal of Computer and System Sciences, 2014, 80, 602-617.	0.9	217
13	Authentication Protocols for Internet of Things: A Comprehensive Survey. Security and Communication Networks, 2017, 2017, 1-41.	1.0	193
14	A Tree-Cluster-Based Data-Gathering Algorithm for Industrial WSNs With a Mobile Sink. IEEE Access, 2015, 3, 381-396.	2.6	191
15	Internet of Things for Disaster Management: State-of-the-Art and Prospects. IEEE Access, 2017, 5, 18818-18835.	2.6	190
16	A Survey on Smart Agriculture: Development Modes, Technologies, and Security and Privacy Challenges. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 273-302.	8.5	187
17	Analysis of Energy-Efficient Connected Target Coverage Algorithms for Industrial Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2017, 13, 135-143.	7.2	185
18	Localization Algorithms of Underwater Wireless Sensor Networks: A Survey. Sensors, 2012, 12, 2026-2061.	2.1	175

#	Article	IF	Citations
19	TPGF: geographic routing in wireless multimedia sensor networks. Telecommunication Systems, 2010, 44, 79-95.	1.6	157
20	Intelligent fault diagnosis of machinery using digital twin-assisted deep transfer learning. Reliability Engineering and System Safety, 2021, 215, 107938.	5.1	156
21	Incipient Fault Diagnosis of Roller Bearing Using Optimized Wavelet Transform Based Multi-Speed Vibration Signatures. IEEE Access, 2017, 5, 19442-19456.	2.6	150
22	A context-aware system architecture for leak point detection in the large-scale petrochemical industry. IEEE Communications Magazine, 2014, 52, 62-69.	4.9	147
23	Impacts of Deployment Strategies on Localization Performance in Underwater Acoustic Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 1725-1733.	5.2	138
24	E-CARP: An Energy Efficient Routing Protocol for UWSNs in the Internet of Underwater Things. IEEE Sensors Journal, 2016, 16, 4072-4082.	2.4	136
25	Social Sensor Cloud: Framework, Greenness, Issues, and Outlook. IEEE Network, 2018, 32, 100-105.	4.9	133
26	An energy-efficient SDN based sleep scheduling algorithm for WSNs. Journal of Network and Computer Applications, 2016, 59, 39-45.	5.8	131
27	A Game Theory-Based Energy Management System Using Price Elasticity for Smart Grids. IEEE Transactions on Industrial Informatics, 2015, 11, 1607-1616.	7.2	130
28	Intelligent Digital Twin-Based Software-Defined Vehicular Networks. IEEE Network, 2020, 34, 178-184.	4.9	125
29	A survey on communication and data management issues in mobile sensor networks. Wireless Communications and Mobile Computing, 2014, 14, 19-36.	0.8	124
30	An Attack-Resistant Trust Model Based on Multidimensional Trust Metrics in Underwater Acoustic Sensor Network. IEEE Transactions on Mobile Computing, 2015, 14, 2447-2459.	3.9	121
31	Trust-Based Communication for the Industrial Internet of Things. , 2018, 56, 16-22.		121
32	Mobile big data fault-tolerant processing for ehealth networks. IEEE Network, 2016, 30, 36-42.	4.9	120
33	Secure communication for underwater acoustic sensor networks. , 2015, 53, 54-60.		119
34	A Survey on Fault Diagnosis in Wireless Sensor Networks. IEEE Access, 2018, 6, 11349-11364.	2.6	112
35	The Performance Evaluation of Blockchain-Based Security and Privacy Systems for the Internet of Things: A Tutorial. IEEE Internet of Things Journal, 2021, 8, 17236-17260.	5.5	111
36	Deep Learning-Based Intrusion Detection for Distributed Denial of Service Attack in Agriculture 4.0. Electronics (Switzerland), 2021, 10, 1257.	1.8	110

#	Article	IF	Citations
37	Cross‐layer optimized routing in wireless sensor networks with duty cycle and energy harvesting. Wireless Communications and Mobile Computing, 2015, 15, 1957-1981.	0.8	108
38	Federated Deep Learning for Cyber Security in the Internet of Things: Concepts, Applications, and Experimental Analysis. IEEE Access, 2021, 9, 138509-138542.	2.6	103
39	Entropy Measures in Machine Fault Diagnosis: Insights and Applications. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2607-2620.	2.4	102
40	Context-Aware Middleware for Multimedia Services in Heterogeneous Networks. IEEE Intelligent Systems, 2010, 25, 40-47.	4.0	100
41	Path planning using a mobile anchor node based on trilateration in wireless sensor networks. Wireless Communications and Mobile Computing, 2013, 13, 1324-1336.	0.8	98
42	Distributed Parameter Estimation for Mobile Wireless Sensor Network Based on Cloud Computing in Battlefield Surveillance System. IEEE Access, 2015, 3, 1729-1739.	2.6	96
43	A Novel Sensory Data Processing Framework to Integrate Sensor Networks With Mobile Cloud. IEEE Systems Journal, 2016, 10, 1125-1136.	2.9	94
44	Enhanced Deep Networks for Short-Term and Medium-Term Load Forecasting. IEEE Access, 2019, 7, 4045-4055.	2.6	94
45	Collaborative Location-Based Sleep Scheduling for Wireless Sensor Networks Integratedwith Mobile Cloud Computing. IEEE Transactions on Computers, 2015, 64, 1844-1856.	2.4	90
46	ZIL: An Energy-Efficient Indoor Localization System Using ZigBee Radio to Detect WiFi Fingerprints. IEEE Journal on Selected Areas in Communications, 2015, 33, 1431-1442.	9.7	89
47	Toward trustworthy crowdsourcing in the social internet of things. IEEE Wireless Communications, 2016, 23, 30-36.	6.6	89
48	An Energy-Balanced Heuristic for Mobile Sink Scheduling in Hybrid WSNs. IEEE Transactions on Industrial Informatics, 2016, 12, 28-40.	7.2	89
49	R3E: Reliable Reactive Routing Enhancement for Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2014, 10, 784-794.	7.2	87
50	Abnormal event detection in crowded scenes based on deep learning. Multimedia Tools and Applications, 2016, 75, 14617-14639.	2.6	83
51	Geographic multipath routing based on geospatial division in duty-cycled underwater wireless sensor networks. Journal of Network and Computer Applications, 2016, 59, 4-13.	5.8	82
52	Securing parked vehicle assisted fog computing with blockchain and optimal smart contract design. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 426-441.	8.5	82
53	A Trust Model Based on Cloud Theory in Underwater Acoustic Sensor Networks. IEEE Transactions on Industrial Informatics, 2017, 13, 342-350.	7.2	81
54	Secure Multimedia Big Data in Trust-Assisted Sensor-Cloud for Smart City. , 2017, 55, 24-30.		81

#	Article	IF	Citations
55	Towards minimum-delay and energy-efficient flooding in low-duty-cycle wireless sensor networks. Computer Networks, 2018, 134, 66-77.	3.2	78
56	EdgeCare: Leveraging Edge Computing for Collaborative Data Management in Mobile Healthcare Systems. IEEE Access, 2019, 7, 22011-22025.	2.6	77
57	An Efficient Virtual Machine Consolidation Scheme for Multimedia Cloud Computing. Sensors, 2016, 16, 246.	2.1	76
58	A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3166-3178.	3.9	76
59	Secure 5G Wireless Communications: A Joint Relay Selection and Wireless Power Transfer Approach. IEEE Access, 2016, 4, 3349-3359.	2.6	74
60	A systematic review of data protection and privacy preservation schemes for smart grid communications. Sustainable Cities and Society, 2018, 38, 806-835.	5.1	73
61	An Uneven Cluster-Based Mobile Charging Algorithm for Wireless Rechargeable Sensor Networks. IEEE Systems Journal, 2019, 13, 3747-3758.	2.9	70
62	A Survey of Using Swarm Intelligence Algorithms in IoT. Sensors, 2020, 20, 1420.	2.1	70
63	Sleep Scheduling for Geographic Routing in Duty-Cycled Mobile Sensor Networks. IEEE Transactions on Industrial Electronics, 2014, 61, 6346-6355.	5.2	69
64	Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. IEEE Transactions on Vehicular Technology, 2020, 69, 9292-9303.	3.9	69
65	The Application of DOA Estimation Approach in Patient Tracking Systems with High Patient Density. IEEE Transactions on Industrial Informatics, 2016, 12, 2353-2364.	7.2	68
66	Parked Vehicle Edge Computing: Exploiting Opportunistic Resources for Distributed Mobile Applications. IEEE Access, 2018, 6, 66649-66663.	2.6	68
67	A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5481-5493.	3.9	68
68	LDPA: a local data processing architecture in ambient assisted living communications. , 2015, 53, 56-63.		67
69	FELIDS: Federated learning-based intrusion detection system for agricultural Internet of Things. Journal of Parallel and Distributed Computing, 2022, 165, 17-31.	2.7	67
70	Congestion avoidance, detection and alleviation in wireless sensor networks. Journal of Zhejiang University: Science C, 2010, 11, 63-73.	0.7	66
71	Subtask Scheduling for Distributed Robots in Cloud Manufacturing. IEEE Systems Journal, 2017, 11, 941-950.	2.9	66
72	A Review of Plant Phenotypic Image Recognition Technology Based on Deep Learning. Electronics (Switzerland), 2021, 10, 81.	1.8	65

#	Article	IF	Citations
73	NetTopo: A framework of simulation and visualization for wireless sensor networks. Ad Hoc Networks, 2011, 9, 799-820.	3.4	62
74	Context-aware cross-layer optimized video streaming inÂwireless multimedia sensor networks. Journal of Supercomputing, 2010, 54, 94-121.	2.4	61
75	Energy-efficient cooperative communication for data transmission in wireless sensor networks. IEEE Transactions on Consumer Electronics, 2010, 56, 2185-2192.	3.0	61
76	A Survey on Deployment Algorithms in Underwater Acoustic Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 314049.	1.3	61
77	A New Bearing Fault Diagnosis Method Based on Fine-to-Coarse Multiscale Permutation Entropy, Laplacian Score and SVM. IEEE Access, 2019, 7, 17050-17066.	2.6	61
78	Rice blast recognition based on principal component analysis and neural network. Computers and Electronics in Agriculture, 2018, 154, 482-490.	3.7	60
79	Two Novel DOA Estimation Approaches for Real-Time Assistant Calibration Systems in Future Vehicle Industrial. IEEE Systems Journal, 2017, 11, 1361-1372.	2.9	58
80	Edge Computing-Based Intelligent Manhole Cover Management System for Smart Cities. IEEE Internet of Things Journal, 2018, 5, 1648-1656.	5.5	57
81	Policy and network-based intrusion detection system for IPv6-enabled wireless sensor networks. , 2014, , .		56
82	Sleep Scheduling in Industrial Wireless Sensor Networks for Toxic Gas Monitoring. IEEE Wireless Communications, 2017, 24, 106-112.	6.6	56
83	A Distance-Based Energy Aware Routing Algorithm for Wireless Sensor Networks. Sensors, 2010, 10, 9493-9511.	2.1	54
84	PD Source Diagnosis and Localization in Industrial High-Voltage Insulation System via Multimodal Joint Sparse Representation. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	5.2	53
85	Reduced out-of-band radiation-based filter optimization for UFMC systems in 5G. , 2015, , .		51
86	Toward Offering More Useful Data Reliably to Mobile Cloud From Wireless Sensor Network. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 84-94.	3.2	51
87	The impacts of mobility models on DV-hop based localization in Mobile Wireless Sensor Networks. Journal of Network and Computer Applications, 2014, 42, 70-79.	5.8	50
88	A Path Planning Scheme for AUV Flock-Based Internet-of-Underwater-Things Systems to Enable Transparent and Smart Ocean. IEEE Internet of Things Journal, 2020, 7, 9760-9772.	5.5	50
89	Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3217-3230.	3.9	50
90	Industrial Internet of Things-Based Collaborative Sensing Intelligence: Framework and Research Challenges. Sensors, 2016, 16, 215.	2.1	49

#	Article	IF	Citations
91	Toxic gas boundary area detection in large-scale petrochemical plants with industrial wireless sensor networks. , 2016, 54, 22-28.		49
92	When Mobile Crowd Sensing Meets Traditional Industry. IEEE Access, 2017, 5, 15300-15307.	2.6	49
93	The Critical Patients Localization Algorithm Using Sparse Representation for Mixed Signals in Emergency Healthcare System. IEEE Systems Journal, 2018, 12, 52-63.	2.9	49
94	A Survey on Gas Leakage Source Detection and Boundary Tracking with Wireless Sensor Networks. IEEE Access, 2016, 4, 1700-1715.	2.6	48
95	LDC: A lightweight dada consensus algorithm based on the blockchain for the industrial Internet of Things for smart city applications. Future Generation Computer Systems, 2020, 108, 574-582.	4.9	48
96	Modified DenseNet for Automatic Fabric Defect Detection With Edge Computing for Minimizing Latency. IEEE Internet of Things Journal, 2020, 7, 9623-9636.	5.5	48
97	Fighting COVID-19 and Future Pandemics With the Internet of Things: Security and Privacy Perspectives. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1477-1499.	8.5	48
98	Multi-priority Multi-path Selection for Video Streaming in Wireless Multimedia Sensor Networks. Lecture Notes in Computer Science, 2008, , 439-452.	1.0	47
99	A Collaborative Secure Localization Algorithm Based on Trust Model in Underwater Wireless Sensor Networks. Sensors, 2016, 16, 229.	2.1	46
100	Path-Loss-Based Fingerprint Localization Approach for Location-Based Services in Indoor Environments. IEEE Access, 2017, 5, 13756-13769.	2.6	46
101	BLTM: Beta and LQI Based Trust Model for Wireless Sensor Networks. IEEE Access, 2019, 7, 43679-43690.	2.6	46
102	An energy-efficient clustered distributed coding for large-scale wireless sensor networks. Journal of Supercomputing, 2013, 66, 649-669.	2.4	45
103	BRTCO: A Novel Boundary Recognition and Tracking Algorithm for Continuous Objects in Wireless Sensor Networks. IEEE Systems Journal, 2018, 12, 2056-2065.	2.9	45
104	Efficient Workload Allocation and User-Centric Utility Maximization for Task Scheduling in Collaborative Vehicular Edge Computing. IEEE Transactions on Vehicular Technology, 2021, 70, 3773-3787.	3.9	45
105	Real-Time Load Reduction in Multimedia Big Data for Mobile Internet. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-20.	3.0	44
106	A Dynamic Trust Evaluation and Update Mechanism Based on C4.5 Decision Tree in Underwater Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 9031-9040.	3.9	44
107	Insights of Top-k Query in Duty-Cycled Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 1317-1328.	5.2	43
108	A Multiqueue Interlacing Peak Scheduling Method Based on Tasks' Classification in Cloud Computing. IEEE Systems Journal, 2018, 12, 1518-1530.	2.9	43

#	Article	IF	Citations
109	Spatiotemporal Congestion-Aware Path Planning Toward Intelligent Transportation Systems in Software-Defined Smart City IoT. IEEE Internet of Things Journal, 2020, 7, 8012-8024.	5.5	43
110	A Mobile Anchor Assisted Localization Algorithm Based on Regular Hexagon in Wireless Sensor Networks. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	41
111	The insights of message delivery delay in VANETs with a bidirectional traffic model. Journal of Network and Computer Applications, 2013, 36, 1287-1294.	5.8	40
112	Optimization Algorithms for Multiaccess Green Communications in Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1739-1748.	5.5	40
113	Internet of Things for Noise Mapping in Smart Cities: State of the Art and Future Directions. IEEE Network, 2020, 34, 112-118.	4.9	40
114	IDSEP: a novel intrusion detection scheme based on energy prediction in cluster€based wireless sensor networks. IET Information Security, 2013, 7, 97-105.	1.1	39
115	A Multi-Objective Hybrid Cloud Resource Scheduling Method Based on Deadline and Cost Constraints. IEEE Access, 2017, 5, 22067-22080.	2.6	39
116	Software Defined Architecture for VANET: A Testbed Implementation with Wireless Access Management. , 2017, 55, 135-141.		39
117	An SDN Architecture for AUV-Based Underwater Wireless Networks to Enable Cooperative Underwater Search. IEEE Wireless Communications, 2020, 27, 132-139.	6.6	39
118	A Hybrid Machine Learning Model for Demand Prediction of Edge-Computing-Based Bike-Sharing System Using Internet of Things. IEEE Internet of Things Journal, 2020, 7, 7345-7356.	5.5	39
119	Outlier detection and countermeasure for hierarchical wireless sensor networks. IET Information Security, 2010, 4, 361.	1.1	38
120	Challenges and Research Issues of Data Management in IoT for Large-Scale Petrochemical Plants. IEEE Systems Journal, 2018, 12, 2509-2523.	2.9	38
121	Cyber Security Intrusion Detection for Agriculture 4.0: Machine Learning-Based Solutions, Datasets, and Future Directions. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 407-436.	8.5	38
122	LMAT: Localization with a Mobile Anchor Node Based on Trilateration in Wireless Sensor Networks. , 2011, , .		37
123	A Review of Key Issues That Concern the Feasibility of Mobile Cloud Computing. , 2013, , .		37
124	A balanced energy consumption sleep scheduling algorithm in wireless sensor networks. , 2011, , .		36
125	Transmitting streaming data in wireless multimedia sensor networks with holes. , 2007, , .		35
126	Photovoltaic Agricultural Internet of Things Towards Realizing the Next Generation of Smart Farming. IEEE Access, 2020, 8, 76300-76312.	2.6	35

#	Article	IF	Citations
127	NetTopo. ACM SIGBED Review, 2008, 5, 1-8.	1.8	34
128	Towards Pricing for Sensor-Cloud. IEEE Transactions on Cloud Computing, 2020, 8, 1018-1029.	3.1	33
129	Sleep Scheduling for Unbalanced Energy Harvesting in Industrial Wireless Sensor Networks. IEEE Communications Magazine, 2019, 57, 108-115.	4.9	32
130	Physical Security and Safety of IoT Equipment: A Survey of Recent Advances and Opportunities. IEEE Transactions on Industrial Informatics, 2022, 18, 4319-4330.	7.2	31
131	Geographic Routing in Wireless Multimedia Sensor Networks. , 2008, , .		30
132	A Genetic Algorithm Approach to Multi-Agent Itinerary Planning in Wireless Sensor Networks. Mobile Networks and Applications, 2011, 16, 782-793.	2.2	30
133	Reality mining: A prediction algorithm for disease dynamics based on mobile big data. Information Sciences, 2017, 379, 82-93.	4.0	30
134	Energy-Efficient Barrier Coverage With Probabilistic Sensors in Wireless Sensor Networks. IEEE Sensors Journal, 2020, 20, 5624-5633.	2.4	30
135	Securing Uplink Transmission for Lightweight Single-Antenna UEs in the Presence of a Massive MIMO Eavesdropper. IEEE Access, 2016, 4, 5374-5384.	2.6	29
136	Router Node Placement With Service Priority in Wireless Mesh Networks Using Simulated Annealing With Momentum Terms. IEEE Systems Journal, 2016, 10, 1402-1411.	2.9	29
137	Poster abstract: Traffic flow prediction with big data: A deep learning based time series model. , 2017, , .		29
138	TGM-COT: energy-efficient continuous object tracking scheme with two-layer grid model in wireless sensor networks. Personal and Ubiquitous Computing, 2016, 20, 349-359.	1.9	28
139	Energy-Efficient Event Determination in Underwater WSNs Leveraging Practical Data Prediction. IEEE Transactions on Industrial Informatics, 2017, 13, 1238-1248.	7.2	27
140	Beacon Synchronization and Duty-Cycling in IEEE 802.15.4 Cluster-Tree Networks: A Review. IEEE Internet of Things Journal, 2018, 5, 1765-1788.	5.5	27
141	Dynamic Path Planning Algorithms With Load Balancing Based on Data Prediction for Smart Transportation Systems. IEEE Access, 2020, 8, 15907-15922.	2.6	26
142	Extended Crossover Model for Human-Control of Fractional Order Plants. IEEE Access, 2017, 5, 27622-27635.	2.6	25
143	Adaptive Multiscale Weighted Permutation Entropy for Rolling Bearing Fault Diagnosis. IEEE Access, 2020, 8, 87529-87540.	2.6	25
144	Detecting the Dangerous Area of Toxic Gases with Wireless Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 137-147.	3.2	24

#	Article	IF	Citations
145	Outlier Detection Approaches Based on Machine Learning in the Internet-of-Things. IEEE Wireless Communications, 2020, 27, 53-59.	6.6	24
146	A Data Set Accuracy Weighted Random Forest Algorithm for IoT Fault Detection Based on Edge Computing and Blockchain. IEEE Internet of Things Journal, 2021, 8, 2354-2363.	5.5	24
147	GA-MIP: Genetic algorithm based multiple Mobile Agents itinerary planning in wireless sensor networks. , 2010, , .		23
148	Efficient Medium Access Control for Cyber–Physical Systems With Heterogeneous Networks. IEEE Systems Journal, 2015, 9, 22-30.	2.9	23
149	Chaotic direct-sequence spread-spectrum with variable symbol period: A technique for enhancing physical layer security. Computer Networks, 2016, 109, 4-12.	3.2	23
150	A Scheme on Indoor Tracking of Ship Dynamic Positioning Based on Distributed Multi-Sensor Data Fusion. IEEE Access, 2017, 5, 379-392.	2.6	23
151	Secure Roadside Unit Hotspot Against Eavesdropping Based Traffic Analysis in Edge Computing Based Internet of Vehicles. IEEE Access, 2018, 6, 62371-62383.	2.6	23
152	When Sensor-Cloud Meets Mobile Edge Computing. Sensors, 2019, 19, 5324.	2.1	23
153	Intrusion Detection Algorithm Based on Neighbor Information Against Sinkhole Attack in Wireless Sensor Networks. Computer Journal, 2015, 58, 1280-1292.	1.5	22
154	An Experimental Study of Clogging Fault Diagnosis in Heat Exchangers Based on Vibration Signals. IEEE Access, 2016, 4, 1800-1809.	2.6	22
155	A DOA Estimation Approach for Transmission Performance Guarantee in D2D Communication. Mobile Networks and Applications, 2017, 22, 998-1009.	2.2	22
156	MCTE: Minimizes Task Completion Time and Execution Cost to Optimize Scheduling Performance for Smart Grid Cloud. IEEE Access, 2019, 7, 134793-134803.	2.6	22
157	Boundary Tracking of Continuous Objects Based on Binary Tree Structured SVM for Industrial Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2022, 21, 849-861.	3.9	22
158	A Multisensor Information Fusion Method for High-Reliability Fault Diagnosis of Rotating Machinery. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	22
159	NetTopo: Beyond Simulator and Visualizer for Wireless Sensor Networks. , 2008, , .		21
160	Trust assistance in Sensor-Cloud. , 2015, , .		21
161	Energy-aware rate and description allocation optimized video streaming for mobile D2D communications. , 2015, , .		21
162	Dynamically Weighted Load Evaluation Method Based on Self-adaptive Threshold in Cloud Computing. Mobile Networks and Applications, 2017, 22, 4-18.	2.2	21

#	Article	IF	Citations
163	Hyperspectral Image Classification With Stacking Spectral Patches and Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5975-5984.	2.7	21
164	Optimal Deployment of Solar Insecticidal Lamps Over Constrained Locations in Mixed-Crop Farmlands. IEEE Internet of Things Journal, 2021, 8, 13095-13114.	5.5	21
165	A Partition-Based Node Deployment Strategy in Solar Insecticidal Lamps Internet of Things. IEEE Internet of Things Journal, 2020, 7, 11223-11237.	5.5	21
166	Joint Replication Density and Rate Allocation Optimization for VoD Systems Over Wireless Mesh Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1260-1273.	5.6	20
167	Releasing Network Isolation Problem in Group-Based Industrial Wireless Sensor Networks. IEEE Systems Journal, 2017, 11, 1340-1350.	2.9	20
168	BP neural network based continuous objects distribution detection in WSNs. Wireless Networks, 2016, 22, 1917-1929.	2.0	19
169	Transmitting and Gathering Streaming Data in Wireless Multimedia Sensor Networks Within Expected Network Lifetime. Mobile Networks and Applications, 2008, 13, 306.	2.2	18
170	A Cross-Layer Duty Cycle MAC Protocol Supporting a Pipeline Feature for Wireless Sensor Networks. Sensors, 2011, 11, 5183-5201.	2.1	18
171	Energy harvesting communications: Part 1 [Guest Editorial]. , 2015, 53, 68-69.		18
172	Self-adaptive fault diagnosis of roller bearings using infrared thermal images. , 2017, , .		18
173	A New Hybrid Network Traffic Prediction Method. , 2010, , .		17
174	P-MAC: A Cross-Layer Duty Cycle MAC Protocol Towards Pipelining for Wireless Sensor Networks. , 2011, , .		17
175	A Two-Step Secure Localization for Wireless Sensor Networks. Computer Journal, 2013, 56, 1154-1166.	1.5	17
176	Energy harvesting communications: Part 2 [Guest Editorial]. , 2015, 53, 54-55.		17
177	Geographic Routing in Duty-Cycled Industrial Wireless Sensor Networks With Radio Irregularity. IEEE Access, 2016, 4, 9043-9052.	2.6	17
178	MANCL: a multiâ€anchor nodes collaborative localization algorithm for underwater acoustic sensor networks. Wireless Communications and Mobile Computing, 2016, 16, 682-702.	0.8	17
179	Soybean Yield Preharvest Prediction Based on Bean Pods and Leaves Image Recognition Using Deep Learning Neural Network Combined With GRNN. Frontiers in Plant Science, 2021, 12, 791256.	1.7	17
180	Sharing Worldwide Sensor Network. , 2008, , .		16

#	Article	IF	Citations
181	On Enabling Mobile Crowd Sensing for Data Collection in Smart Agriculture: A Vision. IEEE Systems Journal, 2022, 16, 132-143.	2.9	16
182	Towards a semantic infrastructure for context-aware e-learning. Multimedia Tools and Applications, 2010, 47, 71-86.	2.6	15
183	Contention‐based geographic forwarding in asynchronous duty‐cycled wireless sensor networks. International Journal of Communication Systems, 2012, 25, 1585-1602.	1.6	15
184	Performance evaluation of a cooperative reputation system for vehicular delay-tolerant networks. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	1.5	15
185	A Novel Two-Tier Cooperative Caching Mechanism for the Optimization of Multi-Attribute Periodic Queries in Wireless Sensor Networks. Sensors, 2015, 15, 15033-15066.	2.1	15
186	Cache-Aware Query Optimization in Multiapplication Sharing Wireless Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 401-417.	5.9	15
187	Multi-Target Intense Human Motion Analysis and Detection Using Channel State Information. Sensors, 2018, 18, 3379.	2.1	15
188	A Review on Design and Implementation of Software-Defined WLANs. IEEE Systems Journal, 2020, 14, 2601-2614.	2.9	15
189	Integration of Communication, Positioning, Navigation and Timing for Deep-Sea Vehicles. IEEE Network, 2020, 34, 121-127.	4.9	15
190	A Survey on Energy Harvesting and Integrated Data Sharing in Wireless Body Area Networks. International Journal of Distributed Sensor Networks, 2015, 2015, 1-17.	1.3	15
191	Research issues on mobile sensor networks. , 2010, , .		15
192	Locating in Crowdsourcing-Based DataSpace: Wireless Indoor Localization without Special Devices. Mobile Networks and Applications, 2014, 19, 534-542.	2.2	14
193	Application of Histogram Equalization for Image Enhancement in Corrosion Areas. Shock and Vibration, 2021, 2021, 1-13.	0.3	14
194	A Novel Class Noise Detection Method for High-Dimensional Data in Industrial Informatics. IEEE Transactions on Industrial Informatics, 2021, 17, 2181-2190.	7.2	14
195	An Energy-Efficient CKN Algorithm for Duty-Cycled Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 106439.	1.3	14
196	Impacts of duty-cycle on TPGF geographical multipath routing in wireless sensor networks. , 2010, , .		13
197	Intra-mobility handover enhancement in healthcare wireless sensor networks. , 2012, , .		13
198	Performance Analysis of Cyclic Prefixed Single-Carrier Spectrum Sharing Relay Systems in Primary User Interference. IEEE Transactions on Signal Processing, 2012, 60, 6729-6734.	3.2	13

#	ARTICLE	IF	CITATIONS
199	Detecting Sybil attack based on state information in Underwater Wireless Sensor Networks. , 2013, , .		13
200	Image encryption using block based transformation with fractional Fourier transform. , 2013, , .		13
201	A Short Review on Sleep Scheduling Mechanism in Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 66-70.	0.2	13
202	High Voltage Discharge Exhibits Severe Effect on ZigBee-Based Device in Solar Insecticidal Lamps Internet of Things. IEEE Wireless Communications, 2020, 27, 140-145.	6.6	13
203	Guest Editorial: Sustainable and Intelligent Precision Agriculture. IEEE Transactions on Industrial Informatics, 2021, 17, 4318-4321.	7.2	13
204	Power-Aware and Reliable Sensor Selection Based on Trust for Wireless Sensor Networks. Journal of Communications, 2010, 5, .	1.3	13
205	Geographic routing in random duty-cycled wireless multimedia sensor networks. , 2010, , .		12
206	A geographic routing oriented sleep scheduling algorithm in duty-cycled sensor networks. , 2012, , .		12
207	An Empirical Study of a Chinese Online Social Network--Renren. Computer, 2013, 46, 78-84.	1.2	12
208	Heuristic Optimization for Reliable Data Congestion Analytics in Crowdsourced eHealth Networks. IEEE Access, 2016, 4, 9174-9183.	2.6	12
209	A Mechanism Filling Sensing Holes for Detecting the Boundary of Continuous Objects in Hybrid Sparse Wireless Sensor Networks. IEEE Access, 2017, 5, 7922-7935.	2.6	12
210	MCRA: A Multi-Charger Cooperation Recharging Algorithm Based on Area Division for WSNs. IEEE Access, 2017, 5, 15380-15389.	2.6	12
211	Improved Coverage and Connectivity via Weighted Node Deployment in Solar Insecticidal Lamp Internet of Things. IEEE Internet of Things Journal, 2021, 8, 10170-10186.	5.5	12
212	UAV-Assisted Sleep Scheduling Algorithm for Energy-Efficient Data Collection in Agricultural Internet of Things. IEEE Internet of Things Journal, 2022, 9, 11043-11056.	5.5	12
213	A Survey on Fault-Tolerance in Distributed Network Systems. , 2009, , .		11
214	A fairness-aware smart parking scheme aided by parking lots. , 2012, , .		11
215	On multipath balancing and expanding for wireless multimedia sensor networks. International Journal of Ad Hoc and Ubiquitous Computing, 2012, 9, 95.	0.3	11
216	Evolution of Social Networks Based on Tagging Practices. IEEE Transactions on Services Computing, 2013, 6, 252-261.	3.2	11

#	Article	IF	Citations
217	A cooperation scheme based on reputation for opportunistic networks. , 2013, , .		11
218	eBPlatform: An IoT-based system for NCD patients homecare in China. , 2014, , .		11
219	Wearable Sensor Localization Considering Mixed Distributed Sources in Health Monitoring Systems. Sensors, 2016, 16, 368.	2.1	11
220	Position-based adaptive quantization for target location estimation in wireless sensor networks using one-bit data. Wireless Communications and Mobile Computing, 2016, 16, 929-941.	0.8	11
221	Adaptive Duty Cycling in IEEE 802.15.4 Cluster Tree Networks Using MAC Parameters. , 2017, , .		11
222	ArvaNet: Deep Recurrent Architecture for PPG-Based Negative Mental-State Monitoring. IEEE Transactions on Computational Social Systems, 2021, 8, 179-190.	3.2	11
223	NetViewer: A Universal Visualization Tool for Wireless Sensor Networks. , 2010, , .		10
224	Verifying mediated service interactions considering expected behaviours. Journal of Network and Computer Applications, 2011, 34, 1043-1053.	5.8	10
225	An efficient and low cost Windows Mobile BSN monitoring system based on TinyOS. Telecommunication Systems, 2014, 55, 115-124.	1.6	10
226	RPR: recommendation for passengers by roads based on cloud computing and taxis traces data. Personal and Ubiquitous Computing, 2016, 20, 337-347.	1.9	10
227	Optimal Deployment for Target-Barrier Coverage Problems in Wireless Sensor Networks. IEEE Systems Journal, 2021, 15, 2241-2244.	2.9	10
228	A New Energy Prediction Approach for Intrusion Detection in Cluster-Based Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 1-12.	0.2	10
229	Routing Protocols in Underwater Acoustic Sensor Networks: A Quantitative Comparison. International Journal of Distributed Sensor Networks, 2015, 2015, 1-11.	1.3	10
230	Reliable broadcast transmission in wireless networks based on network coding. , 2011, , .		9
231	Cross-Layer Design for Video Replication Strategy over Multihop Wireless Networks. , 2011, , .		9
232	Preliminary exploration: Fault diagnosis of the circulating-water heat exchangers based on sound sensor and non-destructive testing technique. , 2013, , .		9
233	Bandwidth-adaptive application partitioning for execution time and energy optimization. , 2013, , .		9
234	ZiLoc: Energy efficient WiFi fingerprint-based localization with low-power radio. , 2013, , .		9

#	Article	IF	Citations
235	Biometrics for securing mobile payments: Benefits, challenges and solutions. , 2013, , .		9
236	A Pipelined-forwarding, Routing-integrated and effectively-Identifying MAC for large-scale WSN. , 2013, , .		9
237	INBS: An Improved Naive Bayes Simple learning approach for accurate indoor localization. , 2014, , .		9
238	Parameter optimisation in duty-cycled wireless sensor networks under expected network lifetime. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 15, 57.	0.3	9
239	An Adaptive Framework for Improving Quality of Service in Industrial Systems. IEEE Access, 2015, 3, 2129-2139.	2.6	9
240	BTDGS: Binary-Tree based Data Gathering Scheme with Mobile Sink for Wireless Multimedia Sensor Networks. Mobile Networks and Applications, 2015, 20, 604-622.	2.2	9
241	Cloud-based Data-intensive Framework towards fault diagnosis in large-scale petrochemical plants. , 2016, , .		9
242	Optimal and Elastic Energy Trading for Green Microgrids: a two-Layer Game Approach. Mobile Networks and Applications, 2019, 24, 950-961.	2.2	9
243	Vibration Sensor Based Intelligent Fault Diagnosis System for Large Machine Unit in Petrochemical Industries. International Journal of Distributed Sensor Networks, 2015, 11, 239405.	1.3	9
244	A Robust Security Framework based on Blockchain and SDN for Fog Computing enabled Agricultural Internet of Things. , 2020, , .		9
245	Coverage-Driven Self-Deployment for Cluster Based Mobile Sensor Networks. , 2006, , .		8
246	Implementing top-k query in duty-cycled wireless sensor networks. , 2011, , .		8
247	The Insights of DV-Based Localization Algorithms in the Wireless Sensor Networks with Duty-Cycled and Radio Irregular Sensors. , 2011, , .		8
248	Secured energy-aware sleep scheduling algorithm in duty-cycled sensor networks. , 2012, , .		8
249	A reputation system to identify and isolate selfish nodes in Vehicular Delay-Tolerant Networks. , 2013, , .		8
250	Skewnessâ€‐aware clustering tree for unevenly distributed spatial sensor nodes in smart city. International Journal of Communication Systems, 2013, 26, 1143-1162.	1.6	8
251	NECAS: Near field communication system for smartphones based on visible light. , 2014, , .		8
252	An improved congestion control algorithm based on social awareness in Delay Tolerant Networks. , 2014, , .		8

#	Article	IF	Citations
253	A Survivability Clustering Algorithm for Ad Hoc Network Based on a Small-World Model. Wireless Personal Communications, 2015, 84, 1835-1854.	1.8	8
254	An improved spray and wait algorithm based on RVNS in Delay Tolerant Mobile Sensor Networks. , 2015, , .		8
255	A Sensitive Secondary Users Selection Algorithm for Cognitive Radio Ad Hoc Networks. Sensors, 2016, 16, 445.	2.1	8
256	Prolonging Network Lifetime with Sleep Scheduling for Solar Harvesting Industrial WSNs. , 2016, , .		8
257	Sleep scheduling in wireless powered industrial wireless sensor networks. , 2017, , .		8
258	A fog computing-based framework to reduce traffic overhead in large-scale industrial applications. , 2017, , .		8
259	Demo Abstract: High Voltage Discharge Exhibits Severe Effect on ZigBee-based Device in Solar Insecticidal Lamps Internet of Things. , 2020, , .		8
260	A Task Allocation Algorithm Based on Score Incentive Mechanism for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 286589.	1.3	8
261	UAV-assisted connectivity enhancement algorithms for multiple isolated sensor networks in agricultural Internet of Things. Computer Networks, 2022, 207, 108854.	3.2	8
262	Residual Time Aware Forwarding for Randomly Duty-Cycled Wireless Sensor Networks. , 2009, , .		7
263	A Remote Monitoring System of IDC Room Based on ZigBee Wireless Sensor Networks. , 2009, , .		7
264	SMAC-based proportional fairness backoff scheme in wireless sensor networks. , 2010, , .		7
265	The new challenge: mobile multimedia sensor networks. International Journal of Multimedia Intelligence and Security, 2011, 2, 107.	0.1	7
266	Efficient Searching Mechanism for Trust-Aware Recommender Systems Based on Scale-Freeness of Trust Networks. , 2012, , .		7
267	A two-hop localization scheme with radio irregularity model in Wireless Sensor Networks. , 2012, , .		7
268	A proportional fairness backoff scheme for funnelling effect in wireless sensor networks. Transactions on Emerging Telecommunications Technologies, 2012, 23, 585-597.	2.6	7
269	Assessing the replaceability of service protocols in mediated service interactions. Future Generation Computer Systems, 2013, 29, 287-299.	4.9	7
270	A novel approach for spectrum mobility games with priority in Cognitive Radio networks. , 2014, , .		7

#	Article	IF	Citations
271	Pricing Models for Sensor-Cloud. , 2015, , .		7
272	Energy harvesting communications: Part III [Guest Editorial]. , 2015, 53, 90-91.		7
273	A Cloud Resource Evaluation Model Based on Entropy Optimization and Ant Colony Clustering. Computer Journal, 2015, 58, 1254-1266.	1.5	7
274	Security and privacy in Internet of things: methods, architectures, and solutions. Security and Communication Networks, 2016, 9, 2641-2642.	1.0	7
275	Poster Abstract: DeGas - Toxic Gas Boundary Area Detection in Industrial Wireless Sensor Networks. , 2016, , .		7
276	Editorial: Industrial Internet of Things (I2oT). Mobile Networks and Applications, 2018, 23, 806-808.	2.2	7
277	Optimal Design of Beacon Array for Long Baseline Positioning System Used in Manned Deep-Sea Submersibles. IEEE Access, 2019, 7, 140411-140420.	2.6	7
278	DPAM: A Demand-Based Page-Level Address Mappings Algorithm in Flash Memory for Smart Industrial Edge Devices. IEEE Transactions on Industrial Informatics, 2020, 16, 1993-2002.	7.2	7
279	Predictive Boundary Tracking Based on Motion Behavior Learning for Continuous Objects in Industrial Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2022, 21, 3239-3249.	3.9	7
280	Target-Barrier Coverage Improvement in an Insecticidal Lamps Internet of UAVs. IEEE Transactions on Vehicular Technology, 2022, 71, 4373-4382.	3.9	7
281	SA1D-CNN: A Separable and Attention Based Lightweight Sensor Fault Diagnosis Method for Solar Insecticidal Lamp Internet of Things. IEEE Open Journal of the Industrial Electronics Society, 2022, 3, 291-303.	4.8	7
282	A Geographic Routing Algorithm in Duty-Cycled Sensor Networks with Mobile Sinks. , 2011, , .		6
283	End-to-end connectivity IPv6 over wireless sensor networks. , 2011, , .		6
284	A case study: Monitoring heat exchanger based on vibration sensors and nondestructive testing technique. , 2013, , .		6
285	An Effective IoT Services Indexing and Query Technique. , 2013, , .		6
286	Solving network isolation problem in duty-cycled wireless sensor networks. , 2013, , .		6
287	An evaluation of user importance when integrating social networks and mobile cloud computing. , 2014, , .		6
288	A smart helmet for network level early warning in large scale petrochemical plants. , 2015, , .		6

#	Article	IF	Citations
289	Low Control Overhead-Based Sleep Scheduling in Software-Defined Wireless Sensor Networks. , 2016, , .		6
290	HMF: Heatmap and WiFi Fingerprint-Based Indoor Localization with Building Layout Consideration. , 2016, , .		6
291	CII: A Light-Weight Mechanism for ZigBee Performance Assurance under WiFi Interference. , 2016, , .		6
292	A Short Survey on Fault Diagnosis in Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 21-26.	0.2	6
293	SMPKR: Search Engine for Internet of Things. IEEE Access, 2019, 7, 163615-163625.	2.6	6
294	STC: an intelligent trash can system based on both NB-IoT and edge computing for smart cities. Enterprise Information Systems, 2020, 14, 1422-1438.	3.3	6
295	IEEE Access Special Section Editorial: Convergence of Sensor Networks, Cloud Computing, and Big Data in Industrial Internet of Things. IEEE Access, 2020, 8, 210035-210040.	2.6	6
296	Peak Extraction Passive Source Localization Using a Single Hydrophone in Shallow Water. IEEE Transactions on Vehicular Technology, 2020, 69, 3412-3423.	3.9	6
297	A Survey on Sensor Deployment in Underwater Sensor Networks. Communications in Computer and Information Science, 2014, , 133-143.	0.4	6
298	Cross-Layer Optimized Data Gathering in Wireless Multimedia Sensor Networks. , 2009, , .		5
299	Secured Two Phase Geographic Forwarding Protocol in Wireless Multimedia Sensor Networks. , 2010, , .		5
300	Removing Heavily Curved Path: Improved DV-hop Localization in Anisotropic Sensor Networks. , 2011, , .		5
301	WX-MAC: An Energy Efficient MAC Protocol for Wireless Sensor Networks. , 2013, , .		5
302	Geographic Multipath Routing in Duty-Cycled Wireless Sensor Networks with Energy Harvesting. , 2013, , .		5
303	Adaptive TDMA-based MAC protocol in energy harvesting wireless body area network for mobile health. , 2015, , .		5
304	WSNs-Based Mechanical Equipment State Monitoring and Fault Diagnosis in China. International Journal of Distributed Sensor Networks, 2015, 11, 528464.	1.3	5
305	Performance analysis of cooperative spatial multiplexing networks with AF/DF relaying and linear receiver over Rayleigh fading channels. Wireless Communications and Mobile Computing, 2015, 15, 500-509.	0.8	5
306	Data Collection Middleware for Crowdsourcing-based Industrial Sensing Intelligence. , 2015, , .		5

#	Article	IF	Citations
307	Guest Editorial Special Issue on Advances in Underwater Acoustic Sensor Networks. IEEE Sensors Journal, 2016, 16, 3994-3994.	2.4	5
308	Anomaly Detection for Civil Aviation Pilots Using Step-Sensors. IEEE Access, 2017, 5, 11236-11243.	2.6	5
309	A MapReduce-Based Ensemble Learning Method with Multiple Classifier Types and Diversity for Condition-Based Maintenance with Concept Drifts. IEEE Cloud Computing, 2017, 4, 38-48.	5.3	5
310	A comparative study of WPD and EMD for shaft fault diagnosis. , 2017, , .		5
311	Guest Editorial Fog Computing for Industrial Applications. IEEE Transactions on Industrial Informatics, 2018, 14, 4481-4486.	7.2	5
312	Edge Permutation Entropy: An Improved Entropy Measure for Time-Series Analysis. , 2019, , .		5
313	Poster Abstract: Insecticidal Performance Simulation of Solar Insecticidal Lamps Internet of Things Using the Number of Falling Edge Trigger. , 2021, , .		5
314	Collaborative Industrial Internet of Things for Noise Mapping: Prospects and Research Opportunities. IEEE Industrial Electronics Magazine, 2021, 15, 52-64.	2.3	5
315	Relay Shift Based Self-deployment for Mobility Limited Sensor Networks. Lecture Notes in Computer Science, 2006, , 556-564.	1.0	5
316	Grand Challenges in Sustainable and Intelligent Phytoprotection. Frontiers in Plant Science, 2021, 12, 755510.	1.7	5
317	A mobile core-body temperature monitoring system on Android. , 2010, , .		4
318	A novel secure localization scheme against collaborative collusion in wireless sensor networks. , 2011, , .		4
319	Sleep scheduling towards geographic routing in duty-cycled sensor networks with a mobile sink. , 2011, , .		4
320	Adaptive transmission in MIMO AF relay networks with orthogonal space-time block codes over Nakagami-m fading. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	4
321	A Resource Evaluation Model Based on Entropy Optimization Toward Green Cloud. , 2013, , .		4
322	Wireless Sensor Networks Based on Environmental Energy Harvesting. International Journal of Distributed Sensor Networks, 2013, 9, 816063.	1.3	4
323	Energy-Efficient Routing Algorithms Based on OVSF Code and Priority in Clustered Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 620945.	1.3	4
324	Poster abstract. , 2013, , .		4

#	Article	IF	Citations
325	Achieving optimal admission control with dynamic scheduling in energy constrained network systems. Journal of Network and Computer Applications, 2014, 44, 152-160.	5.8	4
326	Joint Power and Reduced Spectral Leakage-Based Resource Allocation for D2D Communications in 5G. Lecture Notes in Computer Science, 2015, , 244-258.	1.0	4
327	A Social Awareness based Feedback Mechanism for delivery reliability in Delay Tolerant Networks. , 2015, , .		4
328	A harvesting-rate oriented self-adaptive algorithm in Energy-Harvesting Wireless Body Area Networks. , 2015, , .		4
329	Distributed DOA Estimation Based on Manifold Separation Technique in Mobile Wireless Sensor Networks. , 2015, , .		4
330	Understanding the impact of network structure on propagation dynamics based on mobile big data. , 2016, , .		4
331	Cooperative Secondary Users selection in Cognitive Radio Ad Hoc Networks. , 2016, , .		4
332	Real-time big data analytics for multimedia transmission and storage. , 2016, , .		4
333	On lifetime enhancement of dynamic wireless sensor networks with energy-harvesting sensors. , 2016, , .		4
334	Impact of Fouling on Flow-Induced Vibration Characteristics in Fluid-Conveying Pipelines. IEEE Access, 2016, 4, 6631-6644.	2.6	4
335	Understanding the impact of planarized proximity graphs on toxic gas boundary area detection. , 2017, , .		4
336	Sleep scheduling for critical nodes in group-based industrial wireless sensor networks. , 2017, , .		4
337	Energy utilization concerned sleep scheduling in Wireless Powered Communication Networks. , 2017, , .		4
338	Design of a low control-flow overhead-based software-defined wireless sensor network with link failure. , 2017, , .		4
339	Editorial: Current and Future Trends in Wireless Communications Protocols and Technologies. Mobile Networks and Applications, 2018, 23, 377-381.	2.2	4
340	Fine-to-Coarse Multiscale Permutation Entropy for Rolling Bearing Fault Diagnosis. , 2018, , .		4
341	When mobile crowd sensing meets smart agriculture. , 2019, , .		4
342	Abnormal Event Detection Based on Saliency Information. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 339-352.	0.3	4

#	Article	IF	Citations
343	Two-Hop Energy Consumption Balanced Routing Algorithm for Solar Insecticidal Lamp Internet of Things. Sensors, 2022, 22, 154.	2.1	4
344	The Development of a Realistic Simulation Framework with OMNeT++. , 2008, , .		3
345	An efficient approach of secure group association management in densely deployed heterogeneous distributed sensor network. Security and Communication Networks, 2011, 4, 1013-1026.	1.0	3
346	Service Protocol Replaceability Assessment in Mediated Service Interactions. , 2011, , .		3
347	An embedded VDTN testbed for the evaluation of vehicular safety systems. , 2011, , .		3
348	An energy efficient hierarchical clustering index tree for facilitating time-correlated region queries in wireless sensor network. , 2013, , .		3
349	A secret key generation method based on CSI in OFDM-FDD system. , 2013, , .		3
350	Gatewaying the Wireless Sensor Networks. , 2013, , .		3
351	Locating using prior information. , 2013, , .		3
352	Performance evaluation of DV-hop localization algorithm with mobility models for Mobile Wireless Sensor Networks. , 2013, , .		3
353	Copy limited flooding over opportunistic networks. , 2013, , .		3
354	UPMAC: A localized load-adaptive MAC protocol for underwater acoustic networks. , 2014, , .		3
355	Touchware: a software-based technique for high-resolution multi-touch sensing devices. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 17, 18.	0.3	3
356	An unequal clustering routing protocol for energy-heterogeneous wireless sensor networks. , 2015, , .		3
357	WIFI-based smart car for toxic gas monitoring in large-scale petrochemical plants. , 2015, , .		3
358	Prolonging global connectivity in group-based industrial wireless sensor networks. , 2017, , .		3
359	Lightweight flow management for software-defined wireless sensor networks with link fault in data plane. , 2017, , .		3
360	Low Cost Sensor to Measure Solid Concentrations in Wastewater. , 2018, , .		3

#	Article	IF	Citations
361	IEEE Access Special Section Editorial: Wirelessly Powered Networks: Algorithms, Applications, and Technologies. IEEE Access, 2019, 7, 18994-19001.	2.6	3
362	Enabling Efficient Model-Free Control of Large-Scale Canals by Exploiting Domain Knowledge. IEEE Transactions on Industrial Electronics, 2021, 68, 8730-8742.	5.2	3
363	Localized Energy-Aware Broadcast Protocol for Wireless Networks with Directional Antennas. Lecture Notes in Computer Science, 2005, , 696-707.	1.0	3
364	Locating using prior information. Computer Communication Review, 2013, 43, 463-464.	1.5	3
365	Facilities Collaboration in Cloud Manufacturing based on Generalized Collaboration Network. , 2015, , .		3
366	Distributed Beacon Synchronization Mechanism for 802.15.4 Cluster-Tree Topology. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 10-20.	0.2	3
367	Data Gathering with Multi-Attribute Fusion in Wireless Sensor Networks. , 0, , 159-181.		3
368	A Scenario-View Based Approach to Analyze External Behavior of Web Services for Supporting Mediated Service Interactions. , 2008, , .		2
369	Behavioral analysis of web services for supporting mediated service interoperations. , 2008, , .		2
370	A backoff copying scheme for contention resolution in wireless sensor networks. , 2009, , .		2
371	Reward oriented packet filtering algorithm for wireless sensor networks. Wireless Communications and Mobile Computing, 2009, 9, 369-382.	0.8	2
372	A Proportional Fair Backoff scheme for wireless sensor networks. , 2009, , .		2
373	A Compensation-Based Reliable Data Delivery for Instant Wireless Sensor Network. , 2009, , .		2
374	A Fast Formation Flocking Scheme for a Group of Interactive Distributed Mobile Nodes in Autonomous Networks. Mobile Networks and Applications, 2010, 15, 477-487.	2.2	2
375	Energy-Efficient Location-Dependent Key Management Scheme for Wireless Sensor Networks. , 2010, , .		2
376	Analysis on capacity and delay for Redundant Multiple Source Routing in Mobile Ad Hoc Networks. , 2010, , .		2
377	Bit allocation for multi-source multi-path P2P video streaming in VoD systems over wireless mesh networks. , 2012, , .		2
378	FoSSicker: A personalized search engine by location-awareness. , 2012, , .		2

#	Article	IF	Citations
379	A P2P query algorithm based on Betweenness Centrality Forwarding in opportunistic networks. , 2013, , .		2
380	An overlapping clustering approach for routing in Wireless Sensor Networks. , 2013, , .		2
381	Two-Hop Geographic Multipath Routing in Duty-cycled Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 155-166.	0.2	2
382	Performance evaluation of localization algorithms in large-scale Underwater Sensor Networks. , 2013, , .		2
383	Collaborative location-based sleep scheduling to integrate wireless sensor networks with mobile cloud computing. , 2013, , .		2
384	Mobile Sensing and Data Management for Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 898169.	1.3	2
385	Vibration sensor based intelligent fault diagnosis system for large machine unit in petrochemical industry. , 2013, , .		2
386	An efficient technique of scheduling mobile sinks in hybrid WSN. , 2014, , .		2
387	An Energy Efficient Routing Protocol for Underwater WSNs. , 2015, , .		2
388	Designing Wireless Vibration Monitoring System for Petrochemical Units Fault Diagnosis. , 2015, , .		2
389	A venuesâ€aware message routing scheme for delayâ€tolerant networks. Wireless Communications and Mobile Computing, 2015, 15, 1695-1710.	0.8	2
390	A measurement study of a campus Wi-Fi network with mixed handheld and non-handheld traffic. , 2015, , .		2
391	IEEE Access Special Section Editorial: Industrial Sensor Networks With Advanced Data Management: Design And Security. IEEE Access, 2015, 3, 2700-2703.	2.6	2
392	Improving WSNs sleep scheduling mechanism with SDN-like architecture. , 2015, , .		2
393	A Joint Duty Cycle and Network Coding MAC Protocol for Underwater Wireless Sensor Networks. , 2016, , .		2
394	Energy-utilization aware sleep scheduling in green WSNs for sustainable throughput. , 2017, , .		2
395	Impact of synchronization scheme on duty cycling in IEEE 802.15.4 cluster tree networks. , 2017, , .		2
396	Dynamic adaptation of duty cycling with MAC parameters in cluster tree IEEE 802.15.4 networks. , 2017, , .		2

#	Article	IF	Citations
397	IEEE Access Special Section Editorial: Communication and Fog/Edge Computing Toward Intelligent Connected Vehicles (ICVS). IEEE Access, 2021, 9, 63740-63744.	2.6	2
398	Impacts of Radio Irregularity on Duty-Cycled Industrial Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 29-38.	0.2	2
399	Formal verification of mediated web service interactions considering client's expected behaviours. , 2009, , .		2
400	Wireless Sensor Networks Based Research Issues in Large-Scale Petrochemical Industries. Sensor Letters, 2013, 11, 1675-1680.	0.4	2
401	A Parking Management System based on Background Difference Detecting Algorithm. , 2015, , .		2
402	A Short Survey on Fault Diagnosis of Rotating Machinery Using Entropy Techniques. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 279-284.	0.2	2
403	An Adaptive Path Planning Scheme towards Chargeable UAV-IWSNs to Perform Sustainable Smart Agricultural Monitoring. , 2020, , .		2
404	Online Reconfiguration of Latency-Aware IoT Services in Edge Networks. IEEE Internet of Things Journal, 2022, 9, 17035-17046.	5.5	2
405	Developing a Simple Java-Based Mobile Simulation Game. , 2008, , .		1
406	Developing Process Mediator for Web Service Interactions. , 2008, , .		1
407	Event-Driven RFID System Development for Retailer Supermarket. , 2009, , .		1
408	Guest Editorial Multimedia Communications System. IEEE Systems Journal, 2011, 5, 438-439.	2.9	1
409	Message Dissemination in Delay-Tolerant Networks with Probabilistic Encounters. , 2012, , .		1
410	DC-Tree: Density-Based Clustering Index for Objects in Skewed Distribution. , 2012, , .		1
411	Study of impacts of duty-cycle on overlapping multi-hop clustering in wireless sensor networks. Journal of China Universities of Posts and Telecommunications, 2012, 19, 19-91.	0.8	1
412	A backoff differentiation scheme for contention resolution in wireless convergeâ€cast networks. Concurrency Computation Practice and Experience, 2013, 25, 112-128.	1.4	1
413	A QoS-assured opportunistic routing mechanism for WMN. , 2013, , .		1
414	Recommender Searching Mechanism for Trust-Aware Recommender Systems in Internet of Things. Automatika, 2013, 54, 427-437.	1.2	1

#	Article	IF	Citations
415	A model-matching algorithm based on improved BP over out-of-order streams. , 2014, , .		1
416	A Dynamic Underwater Sensor Network Architecture Based on Physical Clustering and Intra-cluster Autonomy. Communications in Computer and Information Science, 2014, , 82-92.	0.4	1
417	Optimized Periodical Charging in Large-Scale Deployed WSNs. , 2014, , .		1
418	An energy-efficient tracking scheme for continuous objects in duty-cycled wireless sensor networks. , 2015, , .		1
419	Editorial for Special Issue on Industrial Networks and Intelligent Systems. Mobile Networks and Applications, 2015, 20, 121-123.	2.2	1
420	Using wearable equipment to construct monitoring maps in large-scale petrochemical plants. , 2015, , .		1
421	Underwater event identification and determination in UWSNs. , 2016, , .		1
422	Optimal Design of Compact Receive Array in Industrial Wireless Sensor Networks. , 2016, , .		1
423	Spatial Keyword Query Processing in the Internet of Vehicles. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 1-13.	0.2	1
424	A fast algorithm based on human visual system for abnormal event detection. , 2017, , .		1
425	IEEE Access Special Section Editorial: Emergent Topics for Mobile and Ubiquitous Systems in Smartphone, IOT, and Cloud Computing ERA. IEEE Access, 2017, 5, 27827-27830.	2.6	1
426	High energy proton and heavy ion induced single event transient in 65-nm CMOS technology. Science China Information Sciences, 2017, 60, 1.	2.7	1
427	Guest Editorial Special Issue on Multimedia Services Provision Over Future Mobile Computing Systems. IEEE Systems Journal, 2018, 12, 12-15.	2.9	1
428	A Short Review of Constructing Noise Map Using Crowdsensing Technology. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 37-43.	0.2	1
429	Energy-Aware Anomaly Detection in Industrial Multi-Modal IoT Applications. , 2019, , .		1
430	Fast Switching With VM Migration in 5G Cloud Radio Access Networks. IEEE Systems Journal, 2020, 14, 477-488.	2.9	1
431	Reality Mining: Digging the Impact of Friendship and Location on Crowd Behavior. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 142-154.	0.2	1
432	AnaMap: A Methodology of Simulation and Visualization for Actual Farmland Topography. , 2021, , .		1

#	Article	IF	Citations
433	On Multipath Balancing and Expanding for Wireless Multimedia Sensor Networks. Communications in Computer and Information Science, 2009, , 350-359.	0.4	1
434	A Review of Research on Acoustic Detection of Heat Exchanger Tube. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2015, 2, 150287.	1.5	1
435	Visualizing simulation and testbed of wireless sensor networks with NetTopo. , 2009, , .		0
436	The scheme of mitigating the asymmetric links problem in wireless sensor networks. , 2010, , .		0
437	A calibration scheme based on pool adjacent violators for localization in wireless sensor networks. , 2010, , .		0
438	Cyber Physical Society with SOA, BPM and Sensor Networks Track Report - CPS 2011. , 2011, , .		0
439	Mitigating Radio Irregularity Impact: An RSSI Calibration Method for Range-Free Localization in Sensor Networks. , 2011, , .		0
440	A Study on Relationship Migration among Social Networking Providers. , 2011, , .		0
441	Message from MWNS Symposium Chairs. , 2012, , .		0
442	Secured Geographic Forwarding in Wireless Multimedia Sensor Networks. Journal of Information Processing, 2012, 20, 54-64.	0.3	0
443	Message from IUCC Workshop/Symposium Chairs. , 2012, , .		0
444	Visualising Wireless Sensor Networks with NetViewer. International Journal of Ad Hoc and Ubiquitous Computing, 2012, 10, 1.	0.3	0
445	Analyzing the performance of localization algorithms in underwater sensor networks. , 2013, , .		0
446	Reality Mining: Digging the Impact of Friendship and Location on Crowd Behavior. , 2013, , .		0
447	Activities information diffusion in Chinese largest recommendation social network: Patterns and generative model. , 2013, , .		0
448	An improved online learning algorithm and its applications on leak points prediction of gas pipe in petrochemical industries. , 2014, , .		0
449	High performance mobile opportunistic systems. Transactions on Emerging Telecommunications Technologies, 2014, 25, 769-770.	2.6	0
450	Belief functions and uncertainty management in networks and telecommunication. Annales Des Telecommunications/Annals of Telecommunications, 2014, 69, 131-133.	1.6	0

#	Article	IF	Citations
451	A Collaborative Localization algorithm for underwater acoustic sensor networks. , 2014, , .		0
452	Green media: the future of wireless multimedia networks [Guest Editorial]. IEEE Wireless Communications, 2014, 21, 10-12.	6.6	0
453	An Energy-Balanced Multi-Hop Relay Transmission Scheme Based on RVNS in DTMSN. , 2014, , .		0
454	A Fast Modified DOA Estimation Algorithm with Rotation Array for Vehicle Security in Intelligent Transportation System. , 2015, , .		0
455	A WSN based system for CO_2 concentration monitoring in large-scale petrochemical plants. , 2015, , .		0
456	Reputation-Based Conditional Investment Enhances the Evolution of Cooperation in Spatial Public Goods Game. , 2015, , .		0
457	A novel P2P overridden API for open data communications in WWW. , 2015, , .		0
458	Insurance Strategy Can Promote Cooperation in the Presence of Antisocial Punishment in Public Goods Game. , 2015, , .		0
459	NAPR: A node activity-based probabilistic routing algorithm in Delay Tolerant-Mobile Sensor Networks. , 2015, , .		0
460	The Enhancement of GSD Algorithm with Data Preprocessing Technique for WSN. , 2015, , .		0
461	A reliable location-based and energy-aware routing protocol for underwater acoustic sensor networks. , 2015, , .		0
462	Guest Editorial: Multimedia Services Provision over Future Mobile Computing Systems. IEEE Systems Journal, 2016, 10, 745-748.	2.9	0
463	Prediction-Based Event Determination in Underwater Wireless Sensor Networks. , 2016, , .		0
464	Poster Abstract: Sleep Scheduling with Toxic Gas Coverage Requirement in Large-Scale Industry. , 2016, , .		0
465	A MapReduce-Based Ensemble Learning Method with Multiple Classifier Types and Diversity for Condition-based Maintenance with Concept Drifts. IEEE Cloud Computing, 2024, , 1-1.	5.3	0
466	Experiment and analysis of transient ionizing radiation effects in 0.5um bulk CMOS buffer. , 2017, , .		0
467	Horizontal Slicing Clustering Based Movement Detection Method for IoTs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 279-287.	0.2	0
468	A Mechanism for Continuous Object Boundary Region Detection and Prediction in Hybrid WSN. , 2018, , .		0

#	Article	IF	Citations
469	Improvement of Detection and Localization Performance Using the Receiving Array Response Difference Between Ocean Noise and Signal in Shallow Water. IEEE Access, 2019, 7, 98474-98485.	2.6	0
470	Honor History for a Better Future. Journal of Sensor and Actuator Networks, 2021, 10, 55.	2.3	0
471	A Rate Feedback Predictive Control Scheme Based on Neural Network and Control Theory for Autonomic Communication. , 2009, , 93-107.		0
472	Using Real-Time Event Stream Framework to Develop RFID-based Retailer Supermarket Systems. , 2011, , 429-440.		0
473	Impacts of Network Parameters on Data Collection in Duty-cycled Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 167-177.	0.2	0
474	Reality Mining with Mobile Data: Understanding the Impact of Network Structure on Propagation Dynamics. Lecture Notes in Computer Science, 2015, , 442-461.	1.0	0
475	MR$*$-Tree: Novel Indexing and Retrieving Mechanism for Spatial Objects in Mobile PowerPoint Pages. International Journal of Distributed Sensor Networks, 2015, 2015, 1-10.	1.3	0
476	A Dynamic Self-adaptive Resource-Load Evaluation Method in Cloud Computing. , 2015, , .		0
477	Making It Trustable: Acoustic-Based Signcryption Mutual Authentication for Multiwearable Devices. International Journal of Distributed Sensor Networks, 2015, 11, 846739.	1.3	0
478	Mobile Sensing and Data Management for Sensor Networks 2014. International Journal of Distributed Sensor Networks, 2015, 11, 278146.	1.3	0
479	Using Wireless Vibration Sensors to Study the Impact of Fouling on Fluid-Conveying Pipelines. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 288-292.	0.2	0
480	An Optimized Implementation of Speech Recognition Combining GPU with Deep Belief Network for IoT. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 251-260.	0.2	0
481	Replication Strategies for Video On-Demand over Wireless Mesh Networks. , 0, , 349-375.		0
482	Security Issues on Outlier Detection and Countermeasure for Distributed Hierarchical Wireless Sensor Networks. , 0, , 1099-1126.		0
483	Security Issues on Outlier Detection and Countermeasure for Distributed Hierarchical Wireless Sensor Networks. , 0, , 182-210.		0
484	RNST. , 0, , 230-257.		0
485	Guest Editorial: Reliability and Security for Intelligent Wireless Sensing and Control Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 2651-2655.	7.2	0