Lei Shu

List of Publications by Year
in descending order

485	16,172	16451 64	23533 111
papers	citations	h-index	g-index

494	494	494	13682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smart Factory of Industry 4.0: Key Technologies, Application Case, and Challenges. IEEE Access, 2018, 6, 6505-6519.	4.2	742
2	Toward Smart Wireless Communications via Intelligent Reflecting Surfaces: A Contemporary Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2283-2314.	39.4	516
3	Survey of Fog Computing: Fundamental, Network Applications, and Research Challenges. IEEE Communications Surveys and Tutorials, 2018, 20, 1826-1857.	39.4	471
4	A survey on coverage and connectivity issues in wireless sensor networks. Journal of Network and Computer Applications, 2012, 35, 619-632.	9.1	457
5	Security and Privacy in Fog Computing: Challenges. IEEE Access, 2017, 5, 19293-19304.	4.2	413
6	Green Internet of Things for Smart World. IEEE Access, 2015, 3, 2151-2162.	4.2	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.	11.3	306
8	A Multi-Objective Optimization Scheduling Method Based on the Ant Colony Algorithm in Cloud Computing. IEEE Access, 2015, 3, 2687-2699.	4.2	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.	13.1	246
10	Security and Privacy for Green IoT-Based Agriculture: Review, Blockchain Solutions, and Challenges. IEEE Access, 2020, 8, 32031-32053.	4.2	223
11	An Efficient Distributed Trust Model for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1228-1237.	5.6	218
12	Management and applications of trust in Wireless Sensor Networks: A survey. Journal of Computer and System Sciences, 2014, 80, 602-617.	1.2	217
13	Authentication Protocols for Internet of Things: A Comprehensive Survey. Security and Communication Networks, 2017, 2017, 1-41.	1.5	193
14	A Tree-Cluster-Based Data-Gathering Algorithm for Industrial WSNs With a Mobile Sink. IEEE Access, 2015, 3, 381-396.	4.2	191
15	Internet of Things for Disaster Management: State-of-the-Art and Prospects. IEEE Access, 2017, 5, 18818-18835.	4.2	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.	13.1	187
17	Analysis of Energy-Efficient Connected Target Coverage Algorithms for Industrial Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2017, 13, 135-143.	11.3	185
18	Localization Algorithms of Underwater Wireless Sensor Networks: A Survey. Sensors, 2012, 12, 2026-2061.	3.8	175

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19	TPGF: geographic routing in wireless multimedia sensor networks. Telecommunication Systems, 2010, 44, 79-95.	2.5	157
20	Intelligent fault diagnosis of machinery using digital twin-assisted deep transfer learning. Reliability Engineering and System Safety, 2021, 215, 107938.	8.9	156
21	Incipient Fault Diagnosis of Roller Bearing Using Optimized Wavelet Transform Based Multi-Speed Vibration Signatures. IEEE Access, 2017, 5, 19442-19456.	4.2	150
22	A context-aware system architecture for leak point detection in the large-scale petrochemical industry. IEEE Communications Magazine, 2014, 52, 62-69.	6.1	147
23	Impacts of Deployment Strategies on Localization Performance in Underwater Acoustic Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 1725-1733.	7.9	138
24	E-CARP: An Energy Efficient Routing Protocol for UWSNs in the Internet of Underwater Things. IEEE Sensors Journal, 2016, 16, 4072-4082.	4.7	136
25	Social Sensor Cloud: Framework, Greenness, Issues, and Outlook. IEEE Network, 2018, 32, 100-105.	6.9	133
26	An energy-efficient SDN based sleep scheduling algorithm for WSNs. Journal of Network and Computer Applications, 2016, 59, 39-45.	9.1	131
27	A Game Theory-Based Energy Management System Using Price Elasticity for Smart Grids. IEEE Transactions on Industrial Informatics, 2015, 11, 1607-1616.	11.3	130
28	Intelligent Digital Twin-Based Software-Defined Vehicular Networks. IEEE Network, 2020, 34, 178-184.	6.9	125
29	A survey on communication and data management issues in mobile sensor networks. Wireless Communications and Mobile Computing, 2014, 14, 19-36.	1.2	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.	5.8	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.	6.9	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.	4.2	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.	8.7	111
36	Deep Learning-Based Intrusion Detection for Distributed Denial of Service Attack in Agriculture 4.0. Electronics (Switzerland), 2021, 10, 1257.	3.1	110

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37	Crossâ€layer optimized routing in wireless sensor networks with duty cycle and energy harvesting. Wireless Communications and Mobile Computing, 2015, 15, 1957-1981.	1.2	108
38	Federated Deep Learning for Cyber Security in the Internet of Things: Concepts, Applications, and Experimental Analysis. IEEE Access, 2021, 9, 138509-138542.	4.2	103
39	Entropy Measures in Machine Fault Diagnosis: Insights and Applications. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2607-2620.	4.7	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.	1.2	98
42	Distributed Parameter Estimation for Mobile Wireless Sensor Network Based on Cloud Computing in Battlefield Surveillance System. IEEE Access, 2015, 3, 1729-1739.	4.2	96
43	A Novel Sensory Data Processing Framework to Integrate Sensor Networks With Mobile Cloud. IEEE Systems Journal, 2016, 10, 1125-1136.	4.6	94
44	Enhanced Deep Networks for Short-Term and Medium-Term Load Forecasting. IEEE Access, 2019, 7, 4045-4055.	4.2	94
45	Collaborative Location-Based Sleep Scheduling for Wireless Sensor Networks Integratedwith Mobile Cloud Computing. IEEE Transactions on Computers, 2015, 64, 1844-1856.	3.4	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.	14.0	89
47	Toward trustworthy crowdsourcing in the social internet of things. IEEE Wireless Communications, 2016, 23, 30-36.	9.0	89
48	An Energy-Balanced Heuristic for Mobile Sink Scheduling in Hybrid WSNs. IEEE Transactions on Industrial Informatics, 2016, 12, 28-40.	11.3	89
49	R3E: Reliable Reactive Routing Enhancement for Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2014, 10, 784-794.	11.3	87
50	Abnormal event detection in crowded scenes based on deep learning. Multimedia Tools and Applications, 2016, 75, 14617-14639.	3.9	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.	9.1	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.	13.1	82
53	A Trust Model Based on Cloud Theory in Underwater Acoustic Sensor Networks. IEEE Transactions on Industrial Informatics, 2017, 13, 342-350.	11.3	81
54	Secure Multimedia Big Data in Trust-Assisted Sensor-Cloud for Smart City. , 2017, 55, 24-30.		81

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55	Towards minimum-delay and energy-efficient flooding in low-duty-cycle wireless sensor networks. Computer Networks, 2018, 134, 66-77.	5.1	78
56	EdgeCare: Leveraging Edge Computing for Collaborative Data Management in Mobile Healthcare Systems. IEEE Access, 2019, 7, 22011-22025.	4.2	77
57	An Efficient Virtual Machine Consolidation Scheme for Multimedia Cloud Computing. Sensors, 2016, 16, 246.	3.8	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.	6.3	76
59	Secure 5G Wireless Communications: A Joint Relay Selection and Wireless Power Transfer Approach. IEEE Access, 2016, 4, 3349-3359.	4.2	74
60	A systematic review of data protection and privacy preservation schemes for smart grid communications. Sustainable Cities and Society, 2018, 38, 806-835.	10.4	73
61	An Uneven Cluster-Based Mobile Charging Algorithm for Wireless Rechargeable Sensor Networks. IEEE Systems Journal, 2019, 13, 3747-3758.	4.6	70
62	A Survey of Using Swarm Intelligence Algorithms in IoT. Sensors, 2020, 20, 1420.	3.8	70
63	Sleep Scheduling for Geographic Routing in Duty-Cycled Mobile Sensor Networks. IEEE Transactions on Industrial Electronics, 2014, 61, 6346-6355.	7.9	69
64	Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. IEEE Transactions on Vehicular Technology, 2020, 69, 9292-9303.	6.3	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.	11.3	68
66	Parked Vehicle Edge Computing: Exploiting Opportunistic Resources for Distributed Mobile Applications. IEEE Access, 2018, 6, 66649-66663.	4.2	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.	6.3	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.	4.1	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.	4.6	66
72	A Review of Plant Phenotypic Image Recognition Technology Based on Deep Learning. Electronics (Switzerland), 2021, 10, 81.	3.1	65

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73	NetTopo: A framework of simulation and visualization for wireless sensor networks. Ad Hoc Networks, 2011, 9, 799-820.	5.5	62
74	Context-aware cross-layer optimized video streaming inÂwireless multimedia sensor networks. Journal of Supercomputing, 2010, 54, 94-121.	3.6	61
75	Energy-efficient cooperative communication for data transmission in wireless sensor networks. IEEE Transactions on Consumer Electronics, 2010, 56, 2185-2192.	3.6	61
76	A Survey on Deployment Algorithms in Underwater Acoustic Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 314049.	2.2	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.	4.2	61
78	Rice blast recognition based on principal component analysis and neural network. Computers and Electronics in Agriculture, 2018, 154, 482-490.	7.7	60
79	Two Novel DOA Estimation Approaches for Real-Time Assistant Calibration Systems in Future Vehicle Industrial. IEEE Systems Journal, 2017, 11, 1361-1372.	4.6	58
80	Edge Computing-Based Intelligent Manhole Cover Management System for Smart Cities. IEEE Internet of Things Journal, 2018, 5, 1648-1656.	8.7	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.	9.0	56
83	A Distance-Based Energy Aware Routing Algorithm for Wireless Sensor Networks. Sensors, 2010, 10, 9493-9511.	3.8	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.	7.9	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.	4.6	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.	9.1	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.	8.7	50
89	Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3217-3230.	6.3	50
90	Industrial Internet of Things-Based Collaborative Sensing Intelligence: Framework and Research Challenges. Sensors, 2016, 16, 215.	3.8	49

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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.	4.2	49
93	The Critical Patients Localization Algorithm Using Sparse Representation for Mixed Signals in Emergency Healthcare System. IEEE Systems Journal, 2018, 12, 52-63.	4.6	49
94	A Survey on Gas Leakage Source Detection and Boundary Tracking with Wireless Sensor Networks. IEEE Access, 2016, 4, 1700-1715.	4.2	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.	7.5	48
96	Modified DenseNet for Automatic Fabric Defect Detection With Edge Computing for Minimizing Latency. IEEE Internet of Things Journal, 2020, 7, 9623-9636.	8.7	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.	13.1	48
98	Multi-priority Multi-path Selection for Video Streaming in Wireless Multimedia Sensor Networks. Lecture Notes in Computer Science, 2008, , 439-452.	1.3	47
99	A Collaborative Secure Localization Algorithm Based on Trust Model in Underwater Wireless Sensor Networks. Sensors, 2016, 16, 229.	3.8	46
100	Path-Loss-Based Fingerprint Localization Approach for Location-Based Services in Indoor Environments. IEEE Access, 2017, 5, 13756-13769.	4.2	46
101	BLTM: Beta and LQI Based Trust Model for Wireless Sensor Networks. IEEE Access, 2019, 7, 43679-43690.	4.2	46
102	An energy-efficient clustered distributed coding for large-scale wireless sensor networks. Journal of Supercomputing, 2013, 66, 649-669.	3.6	45
103	BRTCO: A Novel Boundary Recognition and Tracking Algorithm for Continuous Objects in Wireless Sensor Networks. IEEE Systems Journal, 2018, 12, 2056-2065.	4.6	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.	6.3	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.	4.3	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.	6.3	44
107	Insights of Top- <inline-formula> <tex-math notation="TeX">k</tex-math> </inline-formula> Query in Duty-Cycled Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 1317-1328.	7.9	43
108	A Multiqueue Interlacing Peak Scheduling Method Based on Tasksâ€™ Classification in Cloud Computing. IEEE Systems Journal, 2018, 12, 1518-1530.	4.6	43

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110	A Mobile Anchor Assisted Localization Algorithm Based on Regular Hexagon in Wireless Sensor Networks. Scientific World Journal, The, 2014, 2014, 1-13.	2.1	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.	9.1	40
112	Optimization Algorithms for Multiaccess Green Communications in Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1739-1748.	8.7	40
113	Internet of Things for Noise Mapping in Smart Cities: State of the Art and Future Directions. IEEE Network, 2020, 34, 112-118.	6.9	40
114	IDSEP: a novel intrusion detection scheme based on energy prediction in clusterâ€based wireless sensor networks. IET Information Security, 2013, 7, 97-105.	1.7	39
115	A Multi-Objective Hybrid Cloud Resource Scheduling Method Based on Deadline and Cost Constraints. IEEE Access, 2017, 5, 22067-22080.	4.2	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.	9.0	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.	8.7	39
119	Outlier detection and countermeasure for hierarchical wireless sensor networks. IET Information Security, 2010, 4, 361.	1.7	38
120	Challenges and Research Issues of Data Management in IoT for Large-Scale Petrochemical Plants. IEEE Systems Journal, 2018, 12, 2509-2523.	4.6	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.	13.1	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.	4.2	35

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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.	4.4	33
129	Sleep Scheduling for Unbalanced Energy Harvesting in Industrial Wireless Sensor Networks. IEEE Communications Magazine, 2019, 57, 108-115.	6.1	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.	11.3	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.	3.3	30
133	Reality mining: A prediction algorithm for disease dynamics based on mobile big data. Information Sciences, 2017, 379, 82-93.	6.9	30
134	Energy-Efficient Barrier Coverage With Probabilistic Sensors in Wireless Sensor Networks. IEEE Sensors Journal, 2020, 20, 5624-5633.	4.7	30
135	Securing Uplink Transmission for Lightweight Single-Antenna UEs in the Presence of a Massive MIMO Eavesdropper. IEEE Access, 2016, 4, 5374-5384.	4.2	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.	4.6	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.	2.8	28
139	Energy-Efficient Event Determination in Underwater WSNs Leveraging Practical Data Prediction. IEEE Transactions on Industrial Informatics, 2017, 13, 1238-1248.	11.3	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.	8.7	27
141	Dynamic Path Planning Algorithms With Load Balancing Based on Data Prediction for Smart Transportation Systems. IEEE Access, 2020, 8, 15907-15922.	4.2	26
142	Extended Crossover Model for Human-Control of Fractional Order Plants. IEEE Access, 2017, 5, 27622-27635.	4.2	25
143	Adaptive Multiscale Weighted Permutation Entropy for Rolling Bearing Fault Diagnosis. IEEE Access, 2020, 8, 87529-87540.	4.2	25
144	Detecting the Dangerous Area of Toxic Gases with Wireless Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 137-147.	4.6	24

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145	Outlier Detection Approaches Based on Machine Learning in the Internet-of-Things. IEEE Wireless Communications, 2020, 27, 53-59.	9.0	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.	8.7	24
147	GA-MIP: Genetic algorithm based multiple Mobile Agents itinerary planning in wireless sensor networks. , 2010, , .		23
148	Efficient Medium Access Control for Cyberâ€“Physical Systems With Heterogeneous Networks. IEEE Systems Journal, 2015, 9, 22-30.	4.6	23
149	Chaotic direct-sequence spread-spectrum with variable symbol period: A technique for enhancing physical layer security. Computer Networks, 2016, 109, 4-12.	5.1	23
150	A Scheme on Indoor Tracking of Ship Dynamic Positioning Based on Distributed Multi-Sensor Data Fusion. IEEE Access, 2017, 5, 379-392.	4.2	23
151	Secure Roadside Unit Hotspot Against Eavesdropping Based Traffic Analysis in Edge Computing Based Internet of Vehicles. IEEE Access, 2018, 6, 62371-62383.	4.2	23
152	When Sensor-Cloud Meets Mobile Edge Computing. Sensors, 2019, 19, 5324.	3.8	23
153	Intrusion Detection Algorithm Based on Neighbor Information Against Sinkhole Attack in Wireless Sensor Networks. Computer Journal, 2015, 58, 1280-1292.	2.4	22
154	An Experimental Study of Clogging Fault Diagnosis in Heat Exchangers Based on Vibration Signals. IEEE Access, 2016, 4, 1800-1809.	4.2	22
155	A DOA Estimation Approach for Transmission Performance Guarantee in D2D Communication. Mobile Networks and Applications, 2017, 22, 998-1009.	3.3	22
156	MCTE: Minimizes Task Completion Time and Execution Cost to Optimize Scheduling Performance for Smart Grid Cloud. IEEE Access, 2019, 7, 134793-134803.	4.2	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.	5.8	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.	4.7	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.	3.3	21

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163	Hyperspectral Image Classification With Stacking Spectral Patches and Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5975-5984.	6.3	21
164	Optimal Deployment of Solar Insecticidal Lamps Over Constrained Locations in Mixed-Crop Farmlands. IEEE Internet of Things Journal, 2021, 8, 13095-13114.	8.7	21
165	A Partition-Based Node Deployment Strategy in Solar Insecticidal Lamps Internet of Things. IEEE Internet of Things Journal, 2020, 7, 11223-11237.	8.7	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.	8.3	20
167	Releasing Network Isolation Problem in Group-Based Industrial Wireless Sensor Networks. IEEE Systems Journal, 2017, 11, 1340-1350.	4.6	20
168	BP neural network based continuous objects distribution detection in WSNs. Wireless Networks, 2016, 22, 1917-1929.	3.0	19
169	Transmitting and Gathering Streaming Data in Wireless Multimedia Sensor Networks Within Expected Network Lifetime. Mobile Networks and Applications, 2008, 13, 306.	3.3	18
170	A Cross-Layer Duty Cycle MAC Protocol Supporting a Pipeline Feature for Wireless Sensor Networks. Sensors, 2011, 11, 5183-5201.	3.8	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.	2.4	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.	4.2	17
178	MANCL: a multiâ€anchor nodes collaborative localization algorithm for underwater acoustic sensor networks. Wireless Communications and Mobile Computing, 2016, 16, 682-702.	1.2	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.	3.6	17
180	Sharing Worldwide Sensor Network. , 2008, , .		16

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181	On Enabling Mobile Crowd Sensing for Data Collection in Smart Agriculture: A Vision. IEEE Systems Journal, 2022, 16, 132-143.	4.6	16
182	Towards a semantic infrastructure for context-aware e-learning. Multimedia Tools and Applications, 2010, 47, 71-86.	3.9	15
183	Contentionâ€based geographic forwarding in asynchronous dutyâ€cycled wireless sensor networks. International Journal of Communication Systems, 2012, 25, 1585-1602.	2.5	15
184	Performance evaluation of a cooperative reputation system for vehicular delay-tolerant networks. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	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.	3.8	15
186	Cache-Aware Query Optimization in Multiapplication Sharing Wireless Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 401-417.	9.3	15
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