

Lei Shu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5602550/publications.pdf>

Version: 2024-02-01

485
papers

16,172
citations

16451

64
h-index

23533

111
g-index

494
all docs

494
docs citations

494
times ranked

13682
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.9	0
2	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
3	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.	5.8	7
4	On Enabling Mobile Crowd Sensing for Data Collection in Smart Agriculture: A Vision. IEEE Systems Journal, 2022, 16, 132-143.	4.6	16
5	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
6	UAV-Assisted Sleep Scheduling Algorithm for Energy-Efficient Data Collection in Agricultural Internet of Things. IEEE Internet of Things Journal, 2022, 9, 11043-11056.	8.7	12
7	Online Reconfiguration of Latency-Aware IoT Services in Edge Networks. IEEE Internet of Things Journal, 2022, 9, 17035-17046.	8.7	2
8	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
9	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
10	Guest Editorial: Reliability and Security for Intelligent Wireless Sensing and Control Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 2651-2655.	11.3	0
11	Target-Barrier Coverage Improvement in an Insecticidal Lamps Internet of UAVs. IEEE Transactions on Vehicular Technology, 2022, 71, 4373-4382.	6.3	7
12	UAV-assisted connectivity enhancement algorithms for multiple isolated sensor networks in agricultural Internet of Things. Computer Networks, 2022, 207, 108854.	5.1	8
13	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
14	Two-Hop Energy Consumption Balanced Routing Algorithm for Solar Insecticidal Lamp Internet of Things. Sensors, 2022, 22, 154.	3.8	4
15	SAID-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.	6.8	7
16	ArvaNet: Deep Recurrent Architecture for PPG-Based Negative Mental-State Monitoring. IEEE Transactions on Computational Social Systems, 2021, 8, 179-190.	4.4	11
17	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
18	Optimal Deployment for Target-Barrier Coverage Problems in Wireless Sensor Networks. IEEE Systems Journal, 2021, 15, 2241-2244.	4.6	10

#	ARTICLE	IF	CITATIONS
19	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
20	Enabling Efficient Model-Free Control of Large-Scale Canals by Exploiting Domain Knowledge. IEEE Transactions on Industrial Electronics, 2021, 68, 8730-8742.	7.9	3
21	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
22	IEEE Access Special Section Editorial: Communication and Fog/Edge Computing Toward Intelligent Connected Vehicles (ICVS). IEEE Access, 2021, 9, 63740-63744.	4.2	2
23	Application of Histogram Equalization for Image Enhancement in Corrosion Areas. Shock and Vibration, 2021, 2021, 1-13.	0.6	14
24	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
25	A Novel Class Noise Detection Method for High-Dimensional Data in Industrial Informatics. IEEE Transactions on Industrial Informatics, 2021, 17, 2181-2190.	11.3	14
26	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
27	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
28	Deep Learning-Based Intrusion Detection for Distributed Denial of Service Attack in Agriculture 4.0. Electronics (Switzerland), 2021, 10, 1257.	3.1	110
29	Poster Abstract: Insecticidal Performance Simulation of Solar Insecticidal Lamps Internet of Things Using the Number of Falling Edge Trigger. , 2021, . .		5
30	Guest Editorial: Sustainable and Intelligent Precision Agriculture. IEEE Transactions on Industrial Informatics, 2021, 17, 4318-4321.	11.3	13
31	Collaborative Industrial Internet of Things for Noise Mapping: Prospects and Research Opportunities. IEEE Industrial Electronics Magazine, 2021, 15, 52-64.	2.6	5
32	Improved Coverage and Connectivity via Weighted Node Deployment in Solar Insecticidal Lamp Internet of Things. IEEE Internet of Things Journal, 2021, 8, 10170-10186.	8.7	12
33	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
34	Honor History for a Better Future. Journal of Sensor and Actuator Networks, 2021, 10, 55.	3.9	0
35	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
36	Intelligent fault diagnosis of machinery using digital twin-assisted deep transfer learning. Reliability Engineering and System Safety, 2021, 215, 107938.	8.9	156

#	ARTICLE	IF	CITATIONS
37	A Review of Plant Phenotypic Image Recognition Technology Based on Deep Learning. Electronics (Switzerland), 2021, 10, 81.	3.1	65
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	AnaMap: A Methodology of Simulation and Visualization for Actual Farmland Topography. , 2021, , .		1
40	Grand Challenges in Sustainable and Intelligent Phytoprotection. Frontiers in Plant Science, 2021, 12, 755510.	3.6	5
41	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
42	Towards Pricing for Sensor-Cloud. IEEE Transactions on Cloud Computing, 2020, 8, 1018-1029.	4.4	33
43	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
44	STC: an intelligent trash can system based on both NB-IoT and edge computing for smart cities. Enterprise Information Systems, 2020, 14, 1422-1438.	4.7	6
45	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.	11.3	7
46	Fast Switching With VM Migration in 5G Cloud Radio Access Networks. IEEE Systems Journal, 2020, 14, 477-488.	4.6	1
47	A Review on Design and Implementation of Software-Defined WLANs. IEEE Systems Journal, 2020, 14, 2601-2614.	4.6	15
48	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
49	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
50	Adaptive Multiscale Weighted Permutation Entropy for Rolling Bearing Fault Diagnosis. IEEE Access, 2020, 8, 87529-87540.	4.2	25
51	Spatiotemporal Congestion-Aware Path Planning Toward Intelligent Transportation Systems in Software-Defined Smart City IoT. IEEE Internet of Things Journal, 2020, 7, 8012-8024.	8.7	43
52	Demo Abstract: High Voltage Discharge Exhibits Severe Effect on ZigBee-based Device in Solar Insecticidal Lamps Internet of Things. , 2020, , .		8
53	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.	4.2	6
54	High Voltage Discharge Exhibits Severe Effect on ZigBee-Based Device in Solar Insecticidal Lamps Internet of Things. IEEE Wireless Communications, 2020, 27, 140-145.	9.0	13

#	ARTICLE	IF	CITATIONS
55	An SDN Architecture for AUV-Based Underwater Wireless Networks to Enable Cooperative Underwater Search. <i>IEEE Wireless Communications</i> , 2020, 27, 132-139.	9.0	39
56	Velocity-Free Localization of Autonomous Driverless Vehicles in Underground Intelligent Mines. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 9292-9303.	6.3	69
57	A Dynamic Trust Evaluation and Update Mechanism Based on C4.5 Decision Tree in Underwater Wireless Sensor Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 9031-9040.	6.3	44
58	Intelligent Digital Twin-Based Software-Defined Vehicular Networks. <i>IEEE Network</i> , 2020, 34, 178-184.	6.9	125
59	Toward Smart Wireless Communications via Intelligent Reflecting Surfaces: A Contemporary Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2020, 22, 2283-2314.	39.4	516
60	Internet of Things for Noise Mapping in Smart Cities: State of the Art and Future Directions. <i>IEEE Network</i> , 2020, 34, 112-118.	6.9	40
61	Outlier Detection Approaches Based on Machine Learning in the Internet-of-Things. <i>IEEE Wireless Communications</i> , 2020, 27, 53-59.	9.0	24
62	A Distributed Mobile Fog Computing Scheme for Mobile Delay-Sensitive Applications in SDN-Enabled Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 5481-5493.	6.3	68
63	A Survey of Using Swarm Intelligence Algorithms in IoT. <i>Sensors</i> , 2020, 20, 1420.	3.8	70
64	LDC: A lightweight data consensus algorithm based on the blockchain for the industrial Internet of Things for smart city applications. <i>Future Generation Computer Systems</i> , 2020, 108, 574-582.	7.5	48
65	Entropy Measures in Machine Fault Diagnosis: Insights and Applications. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 2607-2620.	4.7	102
66	Modified DenseNet for Automatic Fabric Defect Detection With Edge Computing for Minimizing Latency. <i>IEEE Internet of Things Journal</i> , 2020, 7, 9623-9636.	8.7	48
67	Integration of Communication, Positioning, Navigation and Timing for Deep-Sea Vehicles. <i>IEEE Network</i> , 2020, 34, 121-127.	6.9	15
68	Peak Extraction Passive Source Localization Using a Single Hydrophone in Shallow Water. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 3412-3423.	6.3	6
69	Securing parked vehicle assisted fog computing with blockchain and optimal smart contract design. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020, 7, 426-441.	13.1	82
70	Cellular Clustering-Based Interference-Aware Data Transmission Protocol for Underwater Acoustic Sensor Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 3217-3230.	6.3	50
71	Dynamic Path Planning Algorithms With Load Balancing Based on Data Prediction for Smart Transportation Systems. <i>IEEE Access</i> , 2020, 8, 15907-15922.	4.2	26
72	Energy-Efficient Barrier Coverage With Probabilistic Sensors in Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2020, 20, 5624-5633.	4.7	30

#	ARTICLE	IF	CITATIONS
73	Security and Privacy for Green IoT-Based Agriculture: Review, Blockchain Solutions, and Challenges. IEEE Access, 2020, 8, 32031-32053.	4.2	223
74	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
75	Photovoltaic Agricultural Internet of Things Towards Realizing the Next Generation of Smart Farming. IEEE Access, 2020, 8, 76300-76312.	4.2	35
76	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
77	An Adaptive Path Planning Scheme towards Chargeable UAV-IWSNs to Perform Sustainable Smart Agricultural Monitoring. , 2020, , .		2
78	A Robust Security Framework based on Blockchain and SDN for Fog Computing enabled Agricultural Internet of Things. , 2020, , .		9
79	When mobile crowd sensing meets smart agriculture. , 2019, , .		4
80	Optimal Design of Beacon Array for Long Baseline Positioning System Used in Manned Deep-Sea Submersibles. IEEE Access, 2019, 7, 140411-140420.	4.2	7
81	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
82	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.	4.2	0
83	Sleep Scheduling for Unbalanced Energy Harvesting in Industrial Wireless Sensor Networks. IEEE Communications Magazine, 2019, 57, 108-115.	6.1	32
84	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
85	BLTM: Beta and LQI Based Trust Model for Wireless Sensor Networks. IEEE Access, 2019, 7, 43679-43690.	4.2	46
86	IEEE Access Special Section Editorial: Wirelessly Powered Networks: Algorithms, Applications, and Technologies. IEEE Access, 2019, 7, 18994-19001.	4.2	3
87	EdgeCare: Leveraging Edge Computing for Collaborative Data Management in Mobile Healthcare Systems. IEEE Access, 2019, 7, 22011-22025.	4.2	77
88	Energy-Aware Anomaly Detection in Industrial Multi-Modal IoT Applications. , 2019, , .		1
89	SMPKR: Search Engine for Internet of Things. IEEE Access, 2019, 7, 163615-163625.	4.2	6
90	Edge Permutation Entropy: An Improved Entropy Measure for Time-Series Analysis. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
91	When Sensor-Cloud Meets Mobile Edge Computing. <i>Sensors</i> , 2019, 19, 5324.	3.8	23
92	An Uneven Cluster-Based Mobile Charging Algorithm for Wireless Rechargeable Sensor Networks. <i>IEEE Systems Journal</i> , 2019, 13, 3747-3758.	4.6	70
93	Enhanced Deep Networks for Short-Term and Medium-Term Load Forecasting. <i>IEEE Access</i> , 2019, 7, 4045-4055.	4.2	94
94	Optimal and Elastic Energy Trading for Green Microgrids: a two-Layer Game Approach. <i>Mobile Networks and Applications</i> , 2019, 24, 950-961.	3.3	9
95	The Critical Patients Localization Algorithm Using Sparse Representation for Mixed Signals in Emergency Healthcare System. <i>IEEE Systems Journal</i> , 2018, 12, 52-63.	4.6	49
96	Optimization Algorithms for Multiaccess Green Communications in Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018, 5, 1739-1748.	8.7	40
97	Smart Factory of Industry 4.0: Key Technologies, Application Case, and Challenges. <i>IEEE Access</i> , 2018, 6, 6505-6519.	4.2	742
98	Towards minimum-delay and energy-efficient flooding in low-duty-cycle wireless sensor networks. <i>Computer Networks</i> , 2018, 134, 66-77.	5.1	78
99	Trust-Based Communication for the Industrial Internet of Things. , 2018, 56, 16-22.		121
100	A Survey on Fault Diagnosis in Wireless Sensor Networks. <i>IEEE Access</i> , 2018, 6, 11349-11364.	4.2	112
101	A Short Survey on Fault Diagnosis in Wireless Sensor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 21-26.	0.3	6
102	Edge Computing-Based Intelligent Manhole Cover Management System for Smart Cities. <i>IEEE Internet of Things Journal</i> , 2018, 5, 1648-1656.	8.7	57
103	Horizontal Slicing Clustering Based Movement Detection Method for IoTs. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 279-287.	0.3	0
104	A systematic review of data protection and privacy preservation schemes for smart grid communications. <i>Sustainable Cities and Society</i> , 2018, 38, 806-835.	10.4	73
105	Editorial: Current and Future Trends in Wireless Communications Protocols and Technologies. <i>Mobile Networks and Applications</i> , 2018, 23, 377-381.	3.3	4
106	Survey of Fog Computing: Fundamental, Network Applications, and Research Challenges. <i>IEEE Communications Surveys and Tutorials</i> , 2018, 20, 1826-1857.	39.4	471
107	Guest Editorial Special Issue on Multimedia Services Provision Over Future Mobile Computing Systems. <i>IEEE Systems Journal</i> , 2018, 12, 12-15.	4.6	1
108	A Multiqueue Interlacing Peak Scheduling Method Based on Tasksâ€™ Classification in Cloud Computing. <i>IEEE Systems Journal</i> , 2018, 12, 1518-1530.	4.6	43

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	Challenges and Research Issues of Data Management in IoT for Large-Scale Petrochemical Plants. IEEE Systems Journal, 2018, 12, 2509-2523.	4.6	38
112	Editorial: Industrial Internet of Things (IIoT). Mobile Networks and Applications, 2018, 23, 806-808.	3.3	7
113	Low Cost Sensor to Measure Solid Concentrations in Wastewater. , 2018, , .		3
114	Parked Vehicle Edge Computing: Exploiting Opportunistic Resources for Distributed Mobile Applications. IEEE Access, 2018, 6, 66649-66663.	4.2	68
115	Multi-Target Intense Human Motion Analysis and Detection Using Channel State Information. Sensors, 2018, 18, 3379.	3.8	15
116	Fine-to-Coarse Multiscale Permutation Entropy for Rolling Bearing Fault Diagnosis. , 2018, , .		4
117	Guest Editorial Fog Computing for Industrial Applications. IEEE Transactions on Industrial Informatics, 2018, 14, 4481-4486.	11.3	5
118	Social Sensor Cloud: Framework, Greenness, Issues, and Outlook. IEEE Network, 2018, 32, 100-105.	6.9	133
119	Rice blast recognition based on principal component analysis and neural network. Computers and Electronics in Agriculture, 2018, 154, 482-490.	7.7	60
120	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.	0.3	1
121	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
122	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
123	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
124	A Mechanism for Continuous Object Boundary Region Detection and Prediction in Hybrid WSN. , 2018, , .		0
125	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.	0.3	13
126	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.	0.3	3

#	ARTICLE	IF	CITATIONS
127	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.	0.3	0
128	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.	0.3	0
129	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.	0.3	2
130	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
131	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
132	A Trust Model Based on Cloud Theory in Underwater Acoustic Sensor Networks. IEEE Transactions on Industrial Informatics, 2017, 13, 342-350.	11.3	81
133	Releasing Network Isolation Problem in Group-Based Industrial Wireless Sensor Networks. IEEE Systems Journal, 2017, 11, 1340-1350.	4.6	20
134	Dynamically Weighted Load Evaluation Method Based on Self-adaptive Threshold in Cloud Computing. Mobile Networks and Applications, 2017, 22, 4-18.	3.3	21
135	Subtask Scheduling for Distributed Robots in Cloud Manufacturing. IEEE Systems Journal, 2017, 11, 941-950.	4.6	66
136	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.	0.3	1
137	When Mobile Crowd Sensing Meets Traditional Industry. IEEE Access, 2017, 5, 15300-15307.	4.2	49
138	A Mechanism Filling Sensing Holes for Detecting the Boundary of Continuous Objects in Hybrid Sparse Wireless Sensor Networks. IEEE Access, 2017, 5, 7922-7935.	4.2	12
139	Understanding the impact of planarized proximity graphs on toxic gas boundary area detection. , 2017, , .		4
140	Energy-Efficient Event Determination in Underwater WSNs Leveraging Practical Data Prediction. IEEE Transactions on Industrial Informatics, 2017, 13, 1238-1248.	11.3	27
141	A DOA Estimation Approach for Transmission Performance Guarantee in D2D Communication. Mobile Networks and Applications, 2017, 22, 998-1009.	3.3	22
142	Sleep scheduling in wireless powered industrial wireless sensor networks. , 2017, , .		8
143	Prolonging global connectivity in group-based industrial wireless sensor networks. , 2017, , .		3
144	Sleep Scheduling in Industrial Wireless Sensor Networks for Toxic Gas Monitoring. IEEE Wireless Communications, 2017, 24, 106-112.	9.0	56

#	ARTICLE	IF	CITATIONS
145	Incipient Fault Diagnosis of Roller Bearing Using Optimized Wavelet Transform Based Multi-Speed Vibration Signatures. IEEE Access, 2017, 5, 19442-19456.	4.2	150
146	A Multi-Objective Hybrid Cloud Resource Scheduling Method Based on Deadline and Cost Constraints. IEEE Access, 2017, 5, 22067-22080.	4.2	39
147	Internet of Things for Disaster Management: State-of-the-Art and Prospects. IEEE Access, 2017, 5, 18818-18835.	4.2	190
148	Software Defined Architecture for VANET: A Testbed Implementation with Wireless Access Management. , 2017, 55, 135-141.		39
149	Path-Loss-Based Fingerprint Localization Approach for Location-Based Services in Indoor Environments. IEEE Access, 2017, 5, 13756-13769.	4.2	46
150	Adaptive Duty Cycling in IEEE 802.15.4 Cluster Tree Networks Using MAC Parameters. , 2017, , .		11
151	Secure Multimedia Big Data in Trust-Assisted Sensor-Cloud for Smart City. , 2017, 55, 24-30.		81
152	MCRA: A Multi-Charger Cooperation Recharging Algorithm Based on Area Division for WSNs. IEEE Access, 2017, 5, 15380-15389.	4.2	12
153	Anomaly Detection for Civil Aviation Pilots Using Step-Sensors. IEEE Access, 2017, 5, 11236-11243.	4.2	5
154	Sleep scheduling for critical nodes in group-based industrial wireless sensor networks. , 2017, , .		4
155	Energy utilization concerned sleep scheduling in Wireless Powered Communication Networks. , 2017, , .		4
156	Reality mining: A prediction algorithm for disease dynamics based on mobile big data. Information Sciences, 2017, 379, 82-93.	6.9	30
157	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
158	Poster abstract: Traffic flow prediction with big data: A deep learning based time series model. , 2017, , .		29
159	A fast algorithm based on human visual system for abnormal event detection. , 2017, , .		1
160	Self-adaptive fault diagnosis of roller bearings using infrared thermal images. , 2017, , .		18
161	Security and Privacy in Fog Computing: Challenges. IEEE Access, 2017, 5, 19293-19304.	4.2	413
162	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.	3.9	5

#	ARTICLE	IF	CITATIONS
163	Lightweight flow management for software-defined wireless sensor networks with link fault in data plane. , 2017, , .		3
164	A fog computing-based framework to reduce traffic overhead in large-scale industrial applications. , 2017, , .		8
165	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.	4.2	1
166	High energy proton and heavy ion induced single event transient in 65-nm CMOS technology. Science China Information Sciences, 2017, 60, 1.	4.3	1
167	Energy-utilization aware sleep scheduling in green WSNs for sustainable throughput. , 2017, , .		2
168	A comparative study of WPD and EMD for shaft fault diagnosis. , 2017, , .		5
169	Impact of synchronization scheme on duty cycling in IEEE 802.15.4 cluster tree networks. , 2017, , .		2
170	Dynamic adaptation of duty cycling with MAC parameters in cluster tree IEEE 802.15.4 networks. , 2017, , .		2
171	Experiment and analysis of transient ionizing radiation effects in 0.5um bulk CMOS buffer. , 2017, , .		0
172	Extended Crossover Model for Human-Control of Fractional Order Plants. IEEE Access, 2017, 5, 27622-27635.	4.2	25
173	Authentication Protocols for Internet of Things: A Comprehensive Survey. Security and Communication Networks, 2017, 2017, 1-41.	1.5	193
174	Design of a low control-flow overhead-based software-defined wireless sensor network with link failure. , 2017, , .		4
175	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.	0.3	2
176	A Novel Sensory Data Processing Framework to Integrate Sensor Networks With Mobile Cloud. IEEE Systems Journal, 2016, 10, 1125-1136.	4.6	94
177	A Collaborative Secure Localization Algorithm Based on Trust Model in Underwater Wireless Sensor Networks. Sensors, 2016, 16, 229.	3.8	46
178	Wearable Sensor Localization Considering Mixed Distributed Sources in Health Monitoring Systems. Sensors, 2016, 16, 368.	3.8	11
179	Industrial Internet of Things-Based Collaborative Sensing Intelligence: Framework and Research Challenges. Sensors, 2016, 16, 215.	3.8	49
180	An Efficient Virtual Machine Consolidation Scheme for Multimedia Cloud Computing. Sensors, 2016, 16, 246.	3.8	76

#	ARTICLE	IF	CITATIONS
181	A Sensitive Secondary Users Selection Algorithm for Cognitive Radio Ad Hoc Networks. Sensors, 2016, 16, 445.	3.8	8
182	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.	1.2	11
183	Guest Editorial: Multimedia Services Provision over Future Mobile Computing Systems. IEEE Systems Journal, 2016, 10, 745-748.	4.6	0
184	Guest Editorial Industrial Sensing Intelligence. IEEE Transactions on Industrial Informatics, 2016, 12, 2086-2090.	11.3	0
185	Geographic Routing in Duty-Cycled Industrial Wireless Sensor Networks With Radio Irregularity. IEEE Access, 2016, 4, 9043-9052.	4.2	17
186	Heuristic Optimization for Reliable Data Congestion Analytics in Crowdsourced eHealth Networks. IEEE Access, 2016, 4, 9174-9183.	4.2	12
187	Low Control Overhead-Based Sleep Scheduling in Software-Defined Wireless Sensor Networks. , 2016, , .		6
188	HMF: Heatmap and WiFi Fingerprint-Based Indoor Localization with Building Layout Consideration. , 2016, , .		6
189	Prolonging Network Lifetime with Sleep Scheduling for Solar Harvesting Industrial WSNs. , 2016, , .		8
190	Underwater event identification and determination in UWSNs. , 2016, , .		1
191	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
192	A Survey on Gas Leakage Source Detection and Boundary Tracking with Wireless Sensor Networks. IEEE Access, 2016, 4, 1700-1715.	4.2	48
193	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
194	RPR: recommendation for passengers by roads based on cloud computing and taxis traces data. Personal and Ubiquitous Computing, 2016, 20, 337-347.	2.8	10
195	Security and privacy in Internet of things: methods, architectures, and solutions. Security and Communication Networks, 2016, 9, 2641-2642.	1.5	7
196	Cloud-based Data-intensive Framework towards fault diagnosis in large-scale petrochemical plants. , 2016, , .		9
197	Understanding the impact of network structure on propagation dynamics based on mobile big data. , 2016, , .		4
198	Cooperative Secondary Users selection in Cognitive Radio Ad Hoc Networks. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	Optimal Design of Compact Receive Array in Industrial Wireless Sensor Networks. , 2016, , .		1
202	CII: A Light-Weight Mechanism for ZigBee Performance Assurance under WiFi Interference. , 2016, , .		6
203	A Joint Duty Cycle and Network Coding MAC Protocol for Underwater Wireless Sensor Networks. , 2016, , .		2
204	Secure 5G Wireless Communications: A Joint Relay Selection and Wireless Power Transfer Approach. IEEE Access, 2016, 4, 3349-3359.	4.2	74
205	Toxic gas boundary area detection in large-scale petrochemical plants with industrial wireless sensor networks. , 2016, 54, 22-28.		49
206	Real-time big data analytics for multimedia transmission and storage. , 2016, , .		4
207	On lifetime enhancement of dynamic wireless sensor networks with energy-harvesting sensors. , 2016, , .		4
208	Toward trustworthy crowdsourcing in the social internet of things. IEEE Wireless Communications, 2016, 23, 30-36.	9.0	89
209	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
210	Impact of Fouling on Flow-Induced Vibration Characteristics in Fluid-Conveying Pipelines. IEEE Access, 2016, 4, 6631-6644.	4.2	4
211	Prediction-Based Event Determination in Underwater Wireless Sensor Networks. , 2016, , .		0
212	Guest Editorial Special Issue on Advances in Underwater Acoustic Sensor Networks. IEEE Sensors Journal, 2016, 16, 3994-3994.	4.7	5
213	Poster Abstract: DeGas - Toxic Gas Boundary Area Detection in Industrial Wireless Sensor Networks. , 2016, , .		7
214	Poster Abstract: Sleep Scheduling with Toxic Gas Coverage Requirement in Large-Scale Industry. , 2016, , .		0
215	An Experimental Study of Clogging Fault Diagnosis in Heat Exchangers Based on Vibration Signals. IEEE Access, 2016, 4, 1800-1809.	4.2	22
216	MANCL: a multi-anchor nodes collaborative localization algorithm for underwater acoustic sensor networks. Wireless Communications and Mobile Computing, 2016, 16, 682-702.	1.2	17

#	ARTICLE	IF	CITATIONS
217	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
218	An energy-efficient SDN based sleep scheduling algorithm for WSNs. Journal of Network and Computer Applications, 2016, 59, 39-45.	9.1	131
219	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
220	An Energy-Balanced Heuristic for Mobile Sink Scheduling in Hybrid WSNs. IEEE Transactions on Industrial Informatics, 2016, 12, 28-40.	11.3	89
221	Abnormal event detection in crowded scenes based on deep learning. Multimedia Tools and Applications, 2016, 75, 14617-14639.	3.9	83
222	Mobile big data fault-tolerant processing for ehealth networks. IEEE Network, 2016, 30, 36-42.	6.9	120
223	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
224	BP neural network based continuous objects distribution detection in WSNs. Wireless Networks, 2016, 22, 1917-1929.	3.0	19
225	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
226	Pricing Models for Sensor-Cloud. , 2015, , .		7
227	Adaptive TDMA-based MAC protocol in energy harvesting wireless body area network for mobile health. , 2015, , .		5
228	WSNs-Based Mechanical Equipment State Monitoring and Fault Diagnosis in China. International Journal of Distributed Sensor Networks, 2015, 11, 528464.	2.2	5
229	A Fast Modified DOA Estimation Algorithm with Rotation Array for Vehicle Security in Intelligent Transportation System. , 2015, , .		0
230	An Energy Efficient Routing Protocol for Underwater WSNs. , 2015, , .		2
231	Designing Wireless Vibration Monitoring System for Petrochemical Units Fault Diagnosis. , 2015, , .		2
232	A WSN based system for CO ₂ concentration monitoring in large-scale petrochemical plants. , 2015, , .		0
233	Reputation-Based Conditional Investment Enhances the Evolution of Cooperation in Spatial Public Goods Game. , 2015, , .		0
234	A novel P2P overridden API for open data communications in WWW. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
235	A venue-aware message routing scheme for delay-tolerant networks. <i>Wireless Communications and Mobile Computing</i> , 2015, 15, 1695-1710.	1.2	2
236	Insurance Strategy Can Promote Cooperation in the Presence of Antisocial Punishment in Public Goods Game. , 2015, , .		0
237	Performance analysis of cooperative spatial multiplexing networks with AF/DF relaying and linear receiver over Rayleigh fading channels. <i>Wireless Communications and Mobile Computing</i> , 2015, 15, 500-509.	1.2	5
238	A Novel Two-Tier Cooperative Caching Mechanism for the Optimization of Multi-Attribute Periodic Queries in Wireless Sensor Networks. <i>Sensors</i> , 2015, 15, 15033-15066.	3.8	15
239	An unequal clustering routing protocol for energy-heterogeneous wireless sensor networks. , 2015, , .		3
240	Energy harvesting communications: Part 2 [Guest Editorial]. , 2015, 53, 54-55.		17
241	An Adaptive Framework for Improving Quality of Service in Industrial Systems. <i>IEEE Access</i> , 2015, 3, 2129-2139.	4.2	9
242	A measurement study of a campus Wi-Fi network with mixed handheld and non-handheld traffic. , 2015, , .		2
243	An energy-efficient tracking scheme for continuous objects in duty-cycled wireless sensor networks. , 2015, , .		1
244	Green Internet of Things for Smart World. <i>IEEE Access</i> , 2015, 3, 2151-2162.	4.2	409
245	Joint Power and Reduced Spectral Leakage-Based Resource Allocation for D2D Communications in 5G. <i>Lecture Notes in Computer Science</i> , 2015, , 244-258.	1.3	4
246	NAPR: A node activity-based probabilistic routing algorithm in Delay Tolerant-Mobile Sensor Networks. , 2015, , .		0
247	Reduced out-of-band radiation-based filter optimization for UFMC systems in 5G. , 2015, , .		51
248	A Social Awareness based Feedback Mechanism for delivery reliability in Delay Tolerant Networks. , 2015, , .		4
249	A harvesting-rate oriented self-adaptive algorithm in Energy-Harvesting Wireless Body Area Networks. , 2015, , .		4
250	IEEE Access Special Section Editorial: Industrial Sensor Networks With Advanced Data Management: Design And Security. <i>IEEE Access</i> , 2015, 3, 2700-2703.	4.2	2
251	Energy harvesting communications: Part III [Guest Editorial]. , 2015, 53, 90-91.		7
252	A Multi-Objective Optimization Scheduling Method Based on the Ant Colony Algorithm in Cloud Computing. <i>IEEE Access</i> , 2015, 3, 2687-2699.	4.2	275

#	ARTICLE	IF	CITATIONS
253	Impacts of Deployment Strategies on Localization Performance in Underwater Acoustic Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 1725-1733.	7.9	138
254	LDPA: a local data processing architecture in ambient assisted living communications. , 2015, 53, 56-63.		67
255	Insights of Top- k Query in Duty-Cycled Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 1317-1328.	7.9	43
256	The Enhancement of GSD Algorithm with Data Preprocessing Technique for WSN. , 2015, , .		0
257	BTDGS: Binary-Tree based Data Gathering Scheme with Mobile Sink for Wireless Multimedia Sensor Networks. Mobile Networks and Applications, 2015, 20, 604-622.	3.3	9
258	Efficient Medium Access Control for Cyber-Physical Systems With Heterogeneous Networks. IEEE Systems Journal, 2015, 9, 22-30.	4.6	23
259	Editorial for Special Issue on Industrial Networks and Intelligent Systems. Mobile Networks and Applications, 2015, 20, 121-123.	3.3	1
260	A Survivability Clustering Algorithm for Ad Hoc Network Based on a Small-World Model. Wireless Personal Communications, 2015, 84, 1835-1854.	2.7	8
261	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
262	Energy harvesting communications: Part 1 [Guest Editorial]. , 2015, 53, 68-69.		18
263	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
264	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
265	A reliable location-based and energy-aware routing protocol for underwater acoustic sensor networks. , 2015, , .		0
266	Trust assistance in Sensor-Cloud. , 2015, , .		21
267	Energy-aware rate and description allocation optimized video streaming for mobile D2D communications. , 2015, , .		21
268	A smart helmet for network level early warning in large scale petrochemical plants. , 2015, , .		6
269	Using wearable equipment to construct monitoring maps in large-scale petrochemical plants. , 2015, , .		1
270	Distributed DOA Estimation Based on Manifold Separation Technique in Mobile Wireless Sensor Networks. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
271	Data Collection Middleware for Crowdsourcing-based Industrial Sensing Intelligence. , 2015, , .		5
272	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
273	An improved spray and wait algorithm based on RVNS in Delay Tolerant Mobile Sensor Networks. , 2015, , .		8
274	WIFI-based smart car for toxic gas monitoring in large-scale petrochemical plants. , 2015, , .		3
275	A Tree-Cluster-Based Data-Gathering Algorithm for Industrial WSNs With a Mobile Sink. IEEE Access, 2015, 3, 381-396.	4.2	191
276	Secure communication for underwater acoustic sensor networks. , 2015, 53, 54-60.		119
277	Improving WSNs sleep scheduling mechanism with SDN-like architecture. , 2015, , .		2
278	An Efficient Distributed Trust Model for Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1228-1237.	5.6	218
279	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
280	Collaborative Location-Based Sleep Scheduling for Wireless Sensor Networks Integrated with Mobile Cloud Computing. IEEE Transactions on Computers, 2015, 64, 1844-1856.	3.4	90
281	A Cloud Resource Evaluation Model Based on Entropy Optimization and Ant Colony Clustering. Computer Journal, 2015, 58, 1254-1266.	2.4	7
282	Cross-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
283	Intrusion Detection Algorithm Based on Neighbor Information Against Sinkhole Attack in Wireless Sensor Networks. Computer Journal, 2015, 58, 1280-1292.	2.4	22
284	Vibration Sensor Based Intelligent Fault Diagnosis System for Large Machine Unit in Petrochemical Industries. International Journal of Distributed Sensor Networks, 2015, 11, 239405.	2.2	9
285	A Task Allocation Algorithm Based on Score Incentive Mechanism for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 286589.	2.2	8
286	A Survey on Energy Harvesting and Integrated Data Sharing in Wireless Body Area Networks. International Journal of Distributed Sensor Networks, 2015, 2015, 1-17.	2.2	15
287	Routing Protocols in Underwater Acoustic Sensor Networks: A Quantitative Comparison. International Journal of Distributed Sensor Networks, 2015, 2015, 1-11.	2.2	10
288	Facilities Collaboration in Cloud Manufacturing based on Generalized Collaboration Network. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
289	Reality Mining with Mobile Data: Understanding the Impact of Network Structure on Propagation Dynamics. Lecture Notes in Computer Science, 2015, , 442-461.	1.3	0
290	A Parking Management System based on Background Difference Detecting Algorithm. , 2015, , .		2
291	MR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mrow><mml:mi> [*] </mml:mi></mml:mrow></mml:mrow></mml:math>-Tree: Novel Indexing and Retrieving Mechanism for Spatial Objects in Mobile PowerPoint Pages. International Journal of Distributed Sensor Networks. 2015, 2015, 1-10.	2.2	0
292	A Dynamic Self-adaptive Resource-Load Evaluation Method in Cloud Computing. , 2015, , .		0
293	Making It Trustable: Acoustic-Based Signcrypton Mutual Authentication for Multiwearable Devices. International Journal of Distributed Sensor Networks, 2015, 11, 846739.	2.2	0
294	Mobile Sensing and Data Management for Sensor Networks 2014. International Journal of Distributed Sensor Networks, 2015, 11, 278146.	2.2	0
295	A Review of Research on Acoustic Detection of Heat Exchanger Tube. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2015, 2, 150287.	1.9	1
296	Abnormal Event Detection Based on Saliency Information. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 339-352.	0.4	4
297	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
298	NECAS: Near field communication system for smartphones based on visible light. , 2014, , .		8
299	eBPlatform: An IoT-based system for NCD patients homecare in China. , 2014, , .		11
300	An improved online learning algorithm and its applications on leak points prediction of gas pipe in petrochemical industries. , 2014, , .		0
301	An efficient technique of scheduling mobile sinks in hybrid WSN. , 2014, , .		2
302	A model-matching algorithm based on improved BP over out-of-order streams. , 2014, , .		1
303	An improved congestion control algorithm based on social awareness in Delay Tolerant Networks. , 2014, , .		8
304	Policy and network-based intrusion detection system for IPv6-enabled wireless sensor networks. , 2014, , .		56
305	High performance mobile opportunistic systems. Transactions on Emerging Telecommunications Technologies, 2014, 25, 769-770.	3.9	0
306	An evaluation of user importance when integrating social networks and mobile cloud computing. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
307	UPMAC: A localized load-adaptive MAC protocol for underwater acoustic networks. , 2014, , .		3
308	A survey on communication and data management issues in mobile sensor networks. Wireless Communications and Mobile Computing, 2014, 14, 19-36.	1.2	124
309	Management and applications of trust in Wireless Sensor Networks: A survey. Journal of Computer and System Sciences, 2014, 80, 602-617.	1.2	217
310	Belief functions and uncertainty management in networks and telecommunication. Annales Des Telecommunications/Annals of Telecommunications, 2014, 69, 131-133.	2.5	0
311	A Dynamic Underwater Sensor Network Architecture Based on Physical Clustering and Intra-cluster Autonomy. Communications in Computer and Information Science, 2014, , 82-92.	0.5	1
312	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
313	Sleep Scheduling for Geographic Routing in Duty-Cycled Mobile Sensor Networks. IEEE Transactions on Industrial Electronics, 2014, 61, 6346-6355.	7.9	69
314	R3E: Reliable Reactive Routing Enhancement for Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2014, 10, 784-794.	11.3	87
315	A Collaborative Localization algorithm for underwater acoustic sensor networks. , 2014, , .		0
316	Green media: the future of wireless multimedia networks [Guest Editorial]. IEEE Wireless Communications, 2014, 21, 10-12.	9.0	0
317	A novel approach for spectrum mobility games with priority in Cognitive Radio networks. , 2014, , .		7
318	INBS: An Improved Naive Bayes Simple learning approach for accurate indoor localization. , 2014, , .		9
319	Locating in Crowdsourcing-Based DataSpace: Wireless Indoor Localization without Special Devices. Mobile Networks and Applications, 2014, 19, 534-542.	3.3	14
320	An efficient and low cost Windows Mobile BSN monitoring system based on TinyOS. Telecommunication Systems, 2014, 55, 115-124.	2.5	10
321	Performance evaluation of a cooperative reputation system for vehicular delay-tolerant networks. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	15
322	Achieving optimal admission control with dynamic scheduling in energy constrained network systems. Journal of Network and Computer Applications, 2014, 44, 152-160.	9.1	4
323	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
324	Parameter optimisation in duty-cycled wireless sensor networks under expected network lifetime. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 15, 57.	0.5	9

#	ARTICLE	IF	CITATIONS
325	Touchware: a software-based technique for high-resolution multi-touch sensing devices. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 17, 18.	0.5	3
326	An Energy-Balanced Multi-Hop Relay Transmission Scheme Based on RVNS in DTMSN. , 2014, , .		0
327	Optimized Periodical Charging in Large-Scale Deployed WSNs. , 2014, , .		1
328	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.	0.3	1
329	A Survey on Sensor Deployment in Underwater Sensor Networks. Communications in Computer and Information Science, 2014, , 133-143.	0.5	6
330	A backoff differentiation scheme for contention resolution in wireless convergeâ€œcast networks. Concurrency Computation Practice and Experience, 2013, 25, 112-128.	2.2	1
331	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
332	Evolution of Social Networks Based on Tagging Practices. IEEE Transactions on Services Computing, 2013, 6, 252-261.	4.6	11
333	An energy efficient hierarchical clustering index tree for facilitating time-correlated region queries in wireless sensor network. , 2013, , .		3
334	An energy-efficient clustered distributed coding for large-scale wireless sensor networks. Journal of Supercomputing, 2013, 66, 649-669.	3.6	45
335	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
336	A P2P query algorithm based on Betweenness Centrality Forwarding in opportunistic networks. , 2013, , .		2
337	A Review of Key Issues That Concern the Feasibility of Mobile Cloud Computing. , 2013, , .		37
338	An overlapping clustering approach for routing in Wireless Sensor Networks. , 2013, , .		2
339	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.	0.3	2
340	Analyzing the performance of localization algorithms in underwater sensor networks. , 2013, , .		0
341	A case study: Monitoring heat exchanger based on vibration sensors and nondestructive testing technique. , 2013, , .		6
342	Preliminary exploration: Fault diagnosis of the circulating-water heat exchangers based on sound sensor and non-destructive testing technique. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
343	A secret key generation method based on CSI in OFDM-FDD system. , 2013, , .		3
344	A Resource Evaluation Model Based on Entropy Optimization Toward Green Cloud. , 2013, , .		4
345	An Empirical Study of a Chinese Online Social Network--Renren. Computer, 2013, 46, 78-84.	1.1	12
346	Reality Mining: Digging the Impact of Friendship and Location on Crowd Behavior. , 2013, , .		0
347	Assessing the replaceability of service protocols in mediated service interactions. Future Generation Computer Systems, 2013, 29, 287-299.	7.5	7
348	A Two-Step Secure Localization for Wireless Sensor Networks. Computer Journal, 2013, 56, 1154-1166.	2.4	17
349	Bandwidth-adaptive application partitioning for execution time and energy optimization. , 2013, , .		9
350	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
351	Gatewaying the Wireless Sensor Networks. , 2013, , .		3
352	Performance evaluation of localization algorithms in large-scale Underwater Sensor Networks. , 2013, , .		2
353	Detecting Sybil attack based on state information in Underwater Wireless Sensor Networks. , 2013, , .		13
354	Collaborative location-based sleep scheduling to integrate wireless sensor networks with mobile cloud computing. , 2013, , .		2
355	ZiLoc: Energy efficient WiFi fingerprint-based localization with low-power radio. , 2013, , .		9
356	An Effective IoT Services Indexing and Query Technique. , 2013, , .		6
357	WX-MAC: An Energy Efficient MAC Protocol for Wireless Sensor Networks. , 2013, , .		5
358	Wireless Sensor Networks Based on Environmental Energy Harvesting. International Journal of Distributed Sensor Networks, 2013, 9, 816063.	2.2	4
359	Mobile Sensing and Data Management for Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 898169.	2.2	2
360	Solving network isolation problem in duty-cycled wireless sensor networks. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
361	A Survey on Deployment Algorithms in Underwater Acoustic Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 314049.	2.2	61
362	Energy-Efficient Routing Algorithms Based on OVSF Code and Priority in Clustered Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 620945.	2.2	4
363	Locating using prior information. , 2013, , .		3
364	A reputation system to identify and isolate selfish nodes in Vehicular Delay-Tolerant Networks. , 2013, , .		8
365	IDSEP: a novel intrusion detection scheme based on energy prediction in cluster-based wireless sensor networks. IET Information Security, 2013, 7, 97-105.	1.7	39
366	Performance evaluation of DV-hop localization algorithm with mobility models for Mobile Wireless Sensor Networks. , 2013, , .		3
367	Biometrics for securing mobile payments: Benefits, challenges and solutions. , 2013, , .		9
368	A Pipelined-forwarding, Routing-integrated and effectively-Identifying MAC for large-scale WSN. , 2013, , .		9
369	Geographic Multipath Routing in Duty-Cycled Wireless Sensor Networks with Energy Harvesting. , 2013, , .		5
370	Skewness-aware clustering tree for unevenly distributed spatial sensor nodes in smart city. International Journal of Communication Systems, 2013, 26, 1143-1162.	2.5	8
371	Vibration sensor based intelligent fault diagnosis system for large machine unit in petrochemical industry. , 2013, , .		2
372	Image encryption using block based transformation with fractional Fourier transform. , 2013, , .		13
373	Copy limited flooding over opportunistic networks. , 2013, , .		3
374	A QoS-assured opportunistic routing mechanism for WMN. , 2013, , .		1
375	A cooperation scheme based on reputation for opportunistic networks. , 2013, , .		11
376	Recommender Searching Mechanism for Trust-Aware Recommender Systems in Internet of Things. Automatika, 2013, 54, 427-437.	2.0	1
377	Activities information diffusion in Chinese largest recommendation social network: Patterns and generative model. , 2013, , .		0
378	Locating using prior information. Computer Communication Review, 2013, 43, 463-464.	1.8	3

#	ARTICLE	IF	CITATIONS
379	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.	0.3	0
380	Wireless Sensor Networks Based Research Issues in Large-Scale Petrochemical Industries. Sensor Letters, 2013, 11, 1675-1680.	0.4	2
381	Localization Algorithms of Underwater Wireless Sensor Networks: A Survey. Sensors, 2012, 12, 2026-2061.	3.8	175
382	Bit allocation for multi-source multi-path P2P video streaming in VoD systems over wireless mesh networks. , 2012, , .		2
383	Intra-mobility handover enhancement in healthcare wireless sensor networks. , 2012, , .		13
384	A fairness-aware smart parking scheme aided by parking lots. , 2012, , .		11
385	FoSSicker: A personalized search engine by location-awareness. , 2012, , .		2
386	Secured energy-aware sleep scheduling algorithm in duty-cycled sensor networks. , 2012, , .		8
387	Efficient Searching Mechanism for Trust-Aware Recommender Systems Based on Scale-Freeness of Trust Networks. , 2012, , .		7
388	Message from MWNS Symposium Chairs. , 2012, , .		0
389	Secured Geographic Forwarding in Wireless Multimedia Sensor Networks. Journal of Information Processing, 2012, 20, 54-64.	0.4	0
390	Message from IUCC Workshop/Symposium Chairs. , 2012, , .		0
391	On multipath balancing and expanding for wireless multimedia sensor networks. International Journal of Ad Hoc and Ubiquitous Computing, 2012, 9, 95.	0.5	11
392	Visualising Wireless Sensor Networks with NetViewer. International Journal of Ad Hoc and Ubiquitous Computing, 2012, 10, 1.	0.5	0
393	A two-hop localization scheme with radio irregularity model in Wireless Sensor Networks. , 2012, , .		7
394	Performance Analysis of Cyclic Prefixed Single-Carrier Spectrum Sharing Relay Systems in Primary User Interference. IEEE Transactions on Signal Processing, 2012, 60, 6729-6734.	5.3	13
395	Message Dissemination in Delay-Tolerant Networks with Probabilistic Encounters. , 2012, , .		1
396	DC-Tree: Density-Based Clustering Index for Objects in Skewed Distribution. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
397	A geographic routing oriented sleep scheduling algorithm in duty-cycled sensor networks. , 2012, , .		12
398	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
399	A proportional fairness backoff scheme for funnelling effect in wireless sensor networks. Transactions on Emerging Telecommunications Technologies, 2012, 23, 585-597.	3.9	7
400	Contention-based geographic forwarding in asynchronous duty-cycled wireless sensor networks. International Journal of Communication Systems, 2012, 25, 1585-1602.	2.5	15
401	A survey on coverage and connectivity issues in wireless sensor networks. Journal of Network and Computer Applications, 2012, 35, 619-632.	9.1	457
402	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, .	2.4	4
403	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.	0.3	10
404	An Energy-Efficient CKN Algorithm for Duty-Cycled Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 106439.	2.2	14
405	Removing Heavily Curved Path: Improved DV-hop Localization in Anisotropic Sensor Networks. , 2011, , .		5
406	Reliable broadcast transmission in wireless networks based on network coding. , 2011, , .		9
407	A Geographic Routing Algorithm in Duty-Cycled Sensor Networks with Mobile Sinks. , 2011, , .		6
408	Cyber Physical Society with SOA, BPM and Sensor Networks Track Report - CPS 2011. , 2011, , .		0
409	Mitigating Radio Irregularity Impact: An RSSI Calibration Method for Range-Free Localization in Sensor Networks. , 2011, , .		0
410	End-to-end connectivity IPv6 over wireless sensor networks. , 2011, , .		6
411	A novel secure localization scheme against collaborative collusion in wireless sensor networks. , 2011, , .		4
412	A Study on Relationship Migration among Social Networking Providers. , 2011, , .		0
413	Sleep scheduling towards geographic routing in duty-cycled sensor networks with a mobile sink. , 2011, , .		4
414	LMAT: Localization with a Mobile Anchor Node Based on Trilateration in Wireless Sensor Networks. , 2011, , .		37

#	ARTICLE	IF	CITATIONS
415	A balanced energy consumption sleep scheduling algorithm in wireless sensor networks. , 2011, , .		36
416	Implementing top-k query in duty-cycled wireless sensor networks. , 2011, , .		8
417	The Insights of DV-Based Localization Algorithms in the Wireless Sensor Networks with Duty-Cycled and Radio Irregular Sensors. , 2011, , .		8
418	The new challenge: mobile multimedia sensor networks. International Journal of Multimedia Intelligence and Security, 2011, 2, 107.	0.1	7
419	Guest Editorial Multimedia Communications System. IEEE Systems Journal, 2011, 5, 438-439.	4.6	1
420	A Genetic Algorithm Approach to Multi-Agent Itinerary Planning in Wireless Sensor Networks. Mobile Networks and Applications, 2011, 16, 782-793.	3.3	30
421	An efficient approach of secure group association management in densely deployed heterogeneous distributed sensor network. Security and Communication Networks, 2011, 4, 1013-1026.	1.5	3
422	NetTopo: A framework of simulation and visualization for wireless sensor networks. Ad Hoc Networks, 2011, 9, 799-820.	5.5	62
423	Verifying mediated service interactions considering expected behaviours. Journal of Network and Computer Applications, 2011, 34, 1043-1053.	9.1	10
424	Service Protocol Replaceability Assessment in Mediated Service Interactions. , 2011, , .		3
425	P-MAC: A Cross-Layer Duty Cycle MAC Protocol Towards Pipelining for Wireless Sensor Networks. , 2011, , .		17
426	An embedded VDTN testbed for the evaluation of vehicular safety systems. , 2011, , .		3
427	Cross-Layer Design for Video Replication Strategy over Multihop Wireless Networks. , 2011, , .		9
428	A Cross-Layer Duty Cycle MAC Protocol Supporting a Pipeline Feature for Wireless Sensor Networks. Sensors, 2011, 11, 5183-5201.	3.8	18
429	Using Real-Time Event Stream Framework to Develop RFID-based Retailer Supermarket Systems. , 2011, , 429-440.		0
430	A mobile core-body temperature monitoring system on Android. , 2010, , .		4
431	Congestion avoidance, detection and alleviation in wireless sensor networks. Journal of Zhejiang University: Science C, 2010, 11, 63-73.	0.7	66
432	A Fast Formation Flocking Scheme for a Group of Interactive Distributed Mobile Nodes in Autonomous Networks. Mobile Networks and Applications, 2010, 15, 477-487.	3.3	2

#	ARTICLE	IF	CITATIONS
433	Towards a semantic infrastructure for context-aware e-learning. <i>Multimedia Tools and Applications</i> , 2010, 47, 71-86.	3.9	15
434	Context-aware cross-layer optimized video streaming in wireless multimedia sensor networks. <i>Journal of Supercomputing</i> , 2010, 54, 94-121.	3.6	61
435	TPGF: geographic routing in wireless multimedia sensor networks. <i>Telecommunication Systems</i> , 2010, 44, 79-95.	2.5	157
436	Outlier detection and countermeasure for hierarchical wireless sensor networks. <i>IET Information Security</i> , 2010, 4, 361.	1.7	38
437	A New Hybrid Network Traffic Prediction Method. , 2010, , .		17
438	Secured Two Phase Geographic Forwarding Protocol in Wireless Multimedia Sensor Networks. , 2010, , .		5
439	Energy-Efficient Location-Dependent Key Management Scheme for Wireless Sensor Networks. , 2010, , .		2
440	The scheme of mitigating the asymmetric links problem in wireless sensor networks. , 2010, , .		0
441	A Distance-Based Energy Aware Routing Algorithm for Wireless Sensor Networks. <i>Sensors</i> , 2010, 10, 9493-9511.	3.8	54
442	A calibration scheme based on pool adjacent violators for localization in wireless sensor networks. , 2010, , .		0
443	SMAC-based proportional fairness backoff scheme in wireless sensor networks. , 2010, , .		7
444	GA-MIP: Genetic algorithm based multiple Mobile Agents itinerary planning in wireless sensor networks. , 2010, , .		23
445	Energy-efficient cooperative communication for data transmission in wireless sensor networks. <i>IEEE Transactions on Consumer Electronics</i> , 2010, 56, 2185-2192.	3.6	61
446	NetViewer: A Universal Visualization Tool for Wireless Sensor Networks. , 2010, , .		10
447	Geographic routing in random duty-cycled wireless multimedia sensor networks. , 2010, , .		12
448	Analysis on capacity and delay for Redundant Multiple Source Routing in Mobile Ad Hoc Networks. , 2010, , .		2
449	Impacts of duty-cycle on TPGF geographical multipath routing in wireless sensor networks. , 2010, , .		13
450	Context-Aware Middleware for Multimedia Services in Heterogeneous Networks. <i>IEEE Intelligent Systems</i> , 2010, 25, 40-47.	4.0	100

#	ARTICLE	IF	CITATIONS
451	Research issues on mobile sensor networks. , 2010, , .		15
452	Power-Aware and Reliable Sensor Selection Based on Trust for Wireless Sensor Networks. Journal of Communications, 2010, 5, .	1.6	13
453	Event-Driven RFID System Development for Retailer Supermarket. , 2009, , .		1
454	Cross-Layer Optimized Data Gathering in Wireless Multimedia Sensor Networks. , 2009, , .		5
455	Residual Time Aware Forwarding for Randomly Duty-Cycled Wireless Sensor Networks. , 2009, , .		7
456	A backoff copying scheme for contention resolution in wireless sensor networks. , 2009, , .		2
457	Visualizing simulation and testbed of wireless sensor networks with NetTopo. , 2009, , .		0
458	Reward oriented packet filtering algorithm for wireless sensor networks. Wireless Communications and Mobile Computing, 2009, 9, 369-382.	1.2	2
459	A Remote Monitoring System of IDC Room Based on ZigBee Wireless Sensor Networks. , 2009, , .		7
460	A Survey on Fault-Tolerance in Distributed Network Systems. , 2009, , .		11
461	A Proportional Fair Backoff scheme for wireless sensor networks. , 2009, , .		2
462	A Compensation-Based Reliable Data Delivery for Instant Wireless Sensor Network. , 2009, , .		2
463	A Rate Feedback Predictive Control Scheme Based on Neural Network and Control Theory for Autonomic Communication. , 2009, , 93-107.		0
464	Formal verification of mediated web service interactions considering client's expected behaviours. , 2009, , .		2
465	On Multipath Balancing and Expanding for Wireless Multimedia Sensor Networks. Communications in Computer and Information Science, 2009, , 350-359.	0.5	1
466	Transmitting and Gathering Streaming Data in Wireless Multimedia Sensor Networks Within Expected Network Lifetime. Mobile Networks and Applications, 2008, 13, 306.	3.3	18
467	A Scenario-View Based Approach to Analyze External Behavior of Web Services for Supporting Mediated Service Interactions. , 2008, , .		2
468	Sharing Worldwide Sensor Network. , 2008, , .		16

#	ARTICLE	IF	CITATIONS
469	NetTopo. ACM SIGBED Review, 2008, 5, 1-8.	1.8	34
470	NetTopo: Beyond Simulator and Visualizer for Wireless Sensor Networks. , 2008, , .		21
471	Behavioral analysis of web services for supporting mediated service interoperations. , 2008, , .		2
472	Developing a Simple Java-Based Mobile Simulation Game. , 2008, , .		1
473	Developing Process Mediator for Web Service Interactions. , 2008, , .		1
474	The Development of a Realistic Simulation Framework with OMNeT++. , 2008, , .		3
475	Geographic Routing in Wireless Multimedia Sensor Networks. , 2008, , .		30
476	Multi-priority Multi-path Selection for Video Streaming in Wireless Multimedia Sensor Networks. Lecture Notes in Computer Science, 2008, , 439-452.	1.3	47
477	Transmitting streaming data in wireless multimedia sensor networks with holes. , 2007, , .		35
478	Coverage-Driven Self-Deployment for Cluster Based Mobile Sensor Networks. , 2006, , .		8
479	Relay Shift Based Self-deployment for Mobility Limited Sensor Networks. Lecture Notes in Computer Science, 2006, , 556-564.	1.3	5
480	Localized Energy-Aware Broadcast Protocol for Wireless Networks with Directional Antennas. Lecture Notes in Computer Science, 2005, , 696-707.	1.3	3
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	Data Gathering with Multi-Attribute Fusion in Wireless Sensor Networks. , 0, , 159-181.		3
484	Security Issues on Outlier Detection and Countermeasure for Distributed Hierarchical Wireless Sensor Networks. , 0, , 182-210.		0
485	RNST. , 0, , 230-257.		0