

Houbing Song

List of Publications by Year in descending order

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457
papers

17,047
citations

17405

63
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27345

106
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468
all docs

468
docs citations

468
times ranked

13673
citing authors

#	ARTICLE	IF	CITATIONS
1	Internet of Things and Big Data Analytics for Smart and Connected Communities. IEEE Access, 2016, 4, 766-773.	2.6	697
2	ART: An Attack-Resistant Trust Management Scheme for Securing Vehicular Ad Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 960-969.	4.7	384
3	Security of the Internet of Things: Vulnerabilities, Attacks, and Countermeasures. IEEE Communications Surveys and Tutorials, 2020, 22, 616-644.	24.8	381
4	Next-Generation Big Data Analytics: State of the Art, Challenges, and Future Research Topics. IEEE Transactions on Industrial Informatics, 2017, 13, 1891-1899.	7.2	290
5	A Scalable and Quick-Response Software Defined Vehicular Network Assisted by Mobile Edge Computing. , 2017, 55, 94-100.		266
6	Imperfect Information Dynamic Stackelberg Game Based Resource Allocation Using Hidden Markov for Cloud Computing. IEEE Transactions on Services Computing, 2018, 11, 78-89.	3.2	250
7	A New Deep-Q-Learning-Based Transmission Scheduling Mechanism for the Cognitive Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2375-2385.	5.5	231
8	A Decade Survey of Transfer Learning (2010–2020). IEEE Transactions on Artificial Intelligence, 2020, 1, 151-166.	3.4	229
9	Mobile Cloud Computing Model and Big Data Analysis for Healthcare Applications. IEEE Access, 2016, 4, 6171-6180.	2.6	225
10	Security Enhancement for IoT Communications Exposed to Eavesdroppers With Uncertain Locations. IEEE Access, 2016, 4, 2840-2853.	2.6	217
11	A Joint Multi-Criteria Utility-Based Network Selection Approach for Vehicle-to-Infrastructure Networking. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3305-3319.	4.7	215
12	Ubiquitous WSN for Healthcare: Recent Advances and Future Prospects. IEEE Internet of Things Journal, 2014, 1, 311-318.	5.5	208
13	Energy-Efficient Multi-Constraint Routing Algorithm With Load Balancing for Smart City Applications. IEEE Internet of Things Journal, 2016, 3, 1437-1447.	5.5	194
14	Security and Privacy Preservation Scheme of Face Identification and Resolution Framework Using Fog Computing in Internet of Things. IEEE Internet of Things Journal, 2017, 4, 1143-1155.	5.5	192
15	A Survey on Blockchain Technology: Evolution, Architecture and Security. IEEE Access, 2021, 9, 61048-61073.	2.6	182
16	Cooperative Jamming for Physical Layer Security Enhancement in Internet of Things. IEEE Internet of Things Journal, 2018, 5, 219-228.	5.5	176
17	A Novel Scheme for an Energy Efficient Internet of Things Based on Wireless Sensor Networks. Sensors, 2015, 15, 28603-28626.	2.1	175
18	A Many-Objective Optimization Model of Industrial Internet of Things Based on Private Blockchain. IEEE Network, 2020, 34, 78-83.	4.9	175

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19	Gradient-driven parking navigation using a continuous information potential field based on wireless sensor network. <i>Information Sciences</i> , 2017, 408, 100-114.	4.0	166
20	TSCA: A Temporal-Spatial Real-Time Charging Scheduling Algorithm for On-Demand Architecture in Wireless Rechargeable Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2018, 17, 211-224.	3.9	166
21	CODIE: Controlled Data and Interest Evaluation in Vehicular Named Data Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016, 65, 3954-3963.	3.9	156
22	Visual Perception Enabled Industry Intelligence: State of the Art, Challenges and Prospects. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 2204-2219.	7.2	149
23	Named Data Networking for Software Defined Vehicular Networks. <i>IEEE Communications Magazine</i> , 2017, 55, 60-66.	4.9	146
24	Policy-Based Secure and Trustworthy Sensing for Internet of Things in Smart Cities. <i>IEEE Internet of Things Journal</i> , 2018, 5, 716-723.	5.5	139
25	A Self-Assessment Stereo Capture Model Applicable to the Internet of Things. <i>Sensors</i> , 2015, 15, 20925-20944.	2.1	134
26	SAMADroid: A Novel 3-Level Hybrid Malware Detection Model for Android Operating System. <i>IEEE Access</i> , 2018, 6, 4321-4339.	2.6	133
27	Design of personnel big data management system based on blockchain. <i>Future Generation Computer Systems</i> , 2019, 101, 1122-1129.	4.9	132
28	Comparative Analysis of Machine Learning Techniques for Predicting Air Quality in Smart Cities. <i>IEEE Access</i> , 2019, 7, 128325-128338.	2.6	131
29	Quantifying User Reputation Scores, Data Trustworthiness, and User Incentives in Mobile Crowd-Sensing. <i>IEEE Access</i> , 2017, 5, 1382-1397.	2.6	127
30	Big Data Analytics for 6G-Enabled Massive Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021, 8, 5350-5359.	5.5	127
31	Mobile Edge Computing for Big-Data-Enabled Electric Vehicle Charging. <i>IEEE Communications Magazine</i> , 2018, 56, 150-156.	4.9	120
32	Big Data Driven Marine Environment Information Forecasting: A Time Series Prediction Network. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 4-18.	6.5	117
33	Multimedia Data Throughput Maximization in Internet-of-Things System Based on Optimization of Cache-Enabled UAV. <i>IEEE Internet of Things Journal</i> , 2019, 6, 3525-3532.	5.5	116
34	A Compressive Sensing-Based Approach to End-to-End Network Traffic Reconstruction. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 507-519.	4.1	116
35	Mobile Internet of Things Under Data Physical Fusion Technology. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4616-4624.	5.5	116
36	A 2-D Discrete-Time Model of Physical Impairments in Wavelength-Division Multiplexing Systems. <i>Journal of Lightwave Technology</i> , 2012, 30, 713-726.	2.7	112

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37	Cyber-physical systems for water sustainability: challenges and opportunities. , 2015, 53, 216-222.		108
38	System modelling and performance evaluation of a three-tier Cloud of Things. Future Generation Computer Systems, 2017, 70, 104-125.	4.9	108
39	A Stratification-Based Data Collection Scheme in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 10671-10682.	3.9	108
40	Energy Efficient Direction-Based PDORP Routing Protocol for WSN. IEEE Access, 2016, 4, 3182-3194.	2.6	107
41	Digital image watermarking method based on DCT and fractal encoding. IET Image Processing, 2017, 11, 815-821.	1.4	107
42	Deep-Learning-Enabled Security Issues in the Internet of Things. IEEE Internet of Things Journal, 2021, 8, 9531-9538.	5.5	105
43	NBC-MAIDS: Naïve Bayesian classification technique in multi-agent system-enriched IDS for securing IoT against DDoS attacks. Journal of Supercomputing, 2018, 74, 5156-5170.	2.4	103
44	Toward software defined smart home. , 2016, 54, 116-122.		102
45	Anchor-Assisted and Vote-Based Trustworthiness Assurance in Smart City Crowdsensing. IEEE Access, 2016, 4, 529-541.	2.6	102
46	A Real-Time Monitoring System of Industry Carbon Monoxide Based on Wireless Sensor Networks. Sensors, 2015, 15, 29535-29546.	2.1	97
47	Cloud-centric multi-level authentication as a service for secure public safety device networks. , 2016, 54, 47-53.		95
48	Social-Feature Enabled Communications Among Devices Toward the Smart IoT Community. IEEE Communications Magazine, 2019, 57, 130-137.	4.9	93
49	Wearable Vision Assistance System Based on Binocular Sensors for Visually Impaired Users. IEEE Internet of Things Journal, 2019, 6, 1375-1383.	5.5	91
50	Counter-Unmanned Aircraft System(s) (C-UAS): State of the Art, Challenges, and Future Trends. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 4-29.	2.3	90
51	Named-Data-Networking-Based ITS for Smart Cities. , 2017, 55, 105-111.		89
52	Software Defined Radio and Wireless Acoustic Networking for Amateur Drone Surveillance. IEEE Communications Magazine, 2018, 56, 90-97.	4.9	89
53	ASGR: An Artificial Spider-Web-Based Geographic Routing in Heterogeneous Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1604-1620.	4.7	89
54	Industrial Security Solution for Virtual Reality. IEEE Internet of Things Journal, 2021, 8, 6273-6281.	5.5	88

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55	Energy-Latency Tradeoff for Dynamic Computation Offloading in Vehicular Fog Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 14198-14211.	3.9	88
56	Exploring Data Validity in Transportation Systems for Smart Cities. , 2017, 55, 26-33.		86
57	Data-Centered Runtime Verification of Wireless Medical Cyber-Physical System. IEEE Transactions on Industrial Informatics, 2017, 13, 1900-1909.	7.2	85
58	Virtual Reality Smart City Based on WebVRGIS. IEEE Internet of Things Journal, 2016, 3, 1015-1024.	5.5	83
59	Range of Influence and Impact of Physical Impairments in Long-Haul DWDM Systems. Journal of Lightwave Technology, 2013, 31, 846-854.	2.7	77
60	Fog-Based Marine Environmental Information Monitoring Toward Ocean of Things. IEEE Internet of Things Journal, 2020, 7, 4238-4247.	5.5	77
61	Network Traffic Prediction Based on Deep Belief Network in Wireless Mesh Backbone Networks. , 2017, , .		76
62	Machine Learning for the Detection and Identification of Internet of Things Devices: A Survey. IEEE Internet of Things Journal, 2022, 9, 298-320.	5.5	76
63	BEST-MAC: Bitmap-Assisted Efficient and Scalable TDMA-Based WSN MAC Protocol for Smart Cities. IEEE Access, 2016, 4, 312-322.	2.6	75
64	Pain-Free Blood Glucose Monitoring Using Wearable Sensors: Recent Advancements and Future Prospects. IEEE Reviews in Biomedical Engineering, 2018, 11, 21-35.	18.1	75
65	Differential Privacy for Industrial Internet of Things: Opportunities, Applications, and Challenges. IEEE Internet of Things Journal, 2021, 8, 10430-10451.	5.5	74
66	A Local-Optimization Emergency Scheduling Scheme With Self-Recovery for a Smart Grid. IEEE Transactions on Industrial Informatics, 2017, 13, 3195-3205.	7.2	72
67	Efficient privacy-preserving authentication framework for edge-assisted Internet of Drones. Journal of Information Security and Applications, 2019, 48, 102354.	1.8	72
68	Rethinking Behaviors and Activities of Base Stations in Mobile Cellular Networks Based on Big Data Analysis. IEEE Transactions on Network Science and Engineering, 2020, 7, 80-90.	4.1	69
69	ST-DeepHAR: Deep Learning Model for Human Activity Recognition in IoT Applications. IEEE Internet of Things Journal, 2021, 8, 4969-4979.	5.5	69
70	An Adaptive Collection Scheme-Based Matrix Completion for Data Gathering in Energy-Harvesting Wireless Sensor Networks. IEEE Access, 2019, 7, 6703-6723.	2.6	67
71	Multi-Armed Bandit Channel Access Scheme With Cognitive Radio Technology in Wireless Sensor Networks for the Internet of Things. IEEE Access, 2016, 4, 4609-4617.	2.6	66
72	Short-term traffic flow prediction in smart multimedia system for Internet of Vehicles based on deep belief network. Future Generation Computer Systems, 2019, 93, 460-472.	4.9	66

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73	SEMDroid: An Enhanced Stacking Ensemble Framework for Android Malware Detection. IEEE Transactions on Network Science and Engineering, 2021, 8, 984-994.	4.1	65
74	Deep Learning in Security of Internet of Things. IEEE Internet of Things Journal, 2022, 9, 22133-22146.	5.5	64
75	Differential Privacy Preserving in Big Data Analytics for Connected Health. Journal of Medical Systems, 2016, 40, 97.	2.2	63
76	PSOTrack: A RFID-Based System for Random Moving Objects Tracking in Unconstrained Indoor Environment. IEEE Internet of Things Journal, 2018, 5, 4632-4641.	5.5	63
77	Adaboost-based security level classification of mobile intelligent terminals. Journal of Supercomputing, 2019, 75, 7460-7478.	2.4	63
78	Optimization of real-time traffic network assignment based on IoT data using DBN and clustering model in smart city. Future Generation Computer Systems, 2020, 108, 976-986.	4.9	63
79	Development and calibration of the Anisotropic Mesoscopic Simulation model for uninterrupted flow facilities. Transportation Research Part B: Methodological, 2010, 44, 152-174.	2.8	61
80	IoMT: A Reliable Cross Layer Protocol for Internet of Multimedia Things. IEEE Internet of Things Journal, 2017, 4, 832-839.	5.5	60
81	A Novel Hybrid Particle Swarm Optimization Algorithm for Path Planning of UAVs. IEEE Internet of Things Journal, 2022, 9, 22547-22558.	5.5	60
82	CASMOC: a novel complex alliance strategy with multi-objective optimization of coverage in wireless sensor networks. Wireless Networks, 2017, 23, 1201-1222.	2.0	59
83	A Cost-Efficient Communication Framework for Battery-Switch-Based Electric Vehicle Charging. , 2017, 55, 162-169.		59
84	Lightweight blockchain assisted secure routing of swarm UAS networking. Computer Communications, 2021, 165, 131-140.	3.1	59
85	Traffic-aware ACB scheme for massive access in machine-to-machine networks. , 2015, , .		58
86	Distant Domain Transfer Learning for Medical Imaging. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3784-3793.	3.9	58
87	Dronesâ€™ Edge Intelligence Over Smart Environments in B5G: Blockchain and Federated Learning Synergy. IEEE Transactions on Green Communications and Networking, 2022, 6, 295-312.	3.5	58
88	A low redundancy data collection scheme to maximize lifetime using matrix completion technique. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	57
89	Intelligent UAVs Trajectory Optimization From Space-Time for Data Collection in Social Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 853-864.	4.1	57
90	A Lightweight End-Side User Experience Data Collection System for Quality Evaluation of Multimedia Communications. IEEE Access, 2018, 6, 15408-15419.	2.6	56

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91	Research and Simulation of Queue Management Algorithms in Ad Hoc Networks Under DDoS Attack. IEEE Access, 2017, 5, 27810-27817.	2.6	55
92	Feature selection and multiple kernel boosting framework based on PSO with mutation mechanism for hyperspectral classification. Neurocomputing, 2017, 220, 181-190.	3.5	55
93	Zero-Bias Deep Learning for Accurate Identification of Internet-of-Things (IoT) Devices. IEEE Internet of Things Journal, 2021, 8, 2627-2634.	5.5	55
94	A sensor-based wrist pulse signal processing and lung cancer recognition. Journal of Biomedical Informatics, 2018, 79, 107-116.	2.5	53
95	Energy-Aware Metaheuristic Algorithm for Industrial-Internet-of-Things Task Scheduling Problems in Fog Computing Applications. IEEE Internet of Things Journal, 2021, 8, 12638-12649.	5.5	52
96	Carbon-Aware Electricity Cost Minimization for Sustainable Data Centers. IEEE Transactions on Sustainable Computing, 2017, 2, 211-223.	2.2	51
97	Quality Index for Stereoscopic Images by Separately Evaluating Adding and Subtracting. PLoS ONE, 2015, 10, e0145800.	1.1	50
98	A Cuckoo Search-Support Vector Machine Model for Predicting Dynamic Measurement Errors of Sensors. IEEE Access, 2016, 4, 5030-5037.	2.6	49
99	Spatio-Temporal Kronecker Compressive Sensing for Traffic Matrix Recovery. IEEE Access, 2016, 4, 3046-3053.	2.6	49
100	A Queuing Delay Utilization Scheme for On-Path Service Aggregation in Services-Oriented Computing Networks. IEEE Access, 2019, 7, 23816-23833.	2.6	49
101	Vehicular Computation Offloading for Industrial Mobile Edge Computing. IEEE Transactions on Industrial Informatics, 2021, 17, 7871-7881.	7.2	49
102	Internet of Things for Cultural Heritage of Smart Cities and Smart Regions. , 2015, , .		48
103	ESFNet: Efficient Network for Building Extraction From High-Resolution Aerial Images. IEEE Access, 2019, 7, 54285-54294.	2.6	48
104	Twitter spam account detection based on clustering and classification methods. Journal of Supercomputing, 2020, 76, 4802-4837.	2.4	48
105	Compatibility-Aware Web API Recommendation for Mashup Creation via Textual Description Mining. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-19.	3.0	48
106	Discovering time-dependent shortest path on traffic graph for drivers towards green driving. Journal of Network and Computer Applications, 2017, 83, 204-212.	5.8	47
107	Energy Balance-Based Steerable Arguments Coverage Method in WSNs. IEEE Access, 2018, 6, 33766-33773.	2.6	47
108	An AI-Based Adaptive Cognitive Modeling and Measurement Method of Network Traffic for EIS. Mobile Networks and Applications, 2021, 26, 575-585.	2.2	47

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109	Trust Mechanism of Multimedia Network. ACM Transactions on Multimedia Computing, Communications and Applications, 0, , .	3.0	47
110	Security-Aware Waveforms for Enhancing Wireless Communications Privacy in Cyber-Physical Systems via Multipath Receptions. IEEE Internet of Things Journal, 2017, 4, 1924-1933.	5.5	46
111	ICMDS: Secure inter-cluster multiple-key distribution scheme for wireless sensor networks. Ad Hoc Networks, 2017, 55, 97-106.	3.4	46
112	A Services Routing Based Caching Scheme for Cloud Assisted CRNs. IEEE Access, 2018, 6, 15787-15805.	2.6	46
113	Cyclist Social Force Model at Unsignalized Intersections With Heterogeneous Traffic. IEEE Transactions on Industrial Informatics, 2017, 13, 782-792.	7.2	45
114	3D Panoramic Virtual Reality Video Quality Assessment Based on 3D Convolutional Neural Networks. IEEE Access, 2018, 6, 38669-38682.	2.6	45
115	Intelligent Transportation Systems. IEEE Pervasive Computing, 2006, 5, 63-67.	1.1	44
116	Secure Knowledge and Cluster-Based Intrusion Detection Mechanism for Smart Wireless Sensor Networks. IEEE Access, 2018, 6, 5688-5694.	2.6	44
117	ANTSC: An Intelligent Naïve Bayesian Probabilistic Estimation Practice for Traffic Flow to Form Stable Clustering in VANET. IEEE Access, 2018, 6, 4452-4461.	2.6	44
118	Integrated Generative Model for Industrial Anomaly Detection via Bidirectional LSTM and Attention Mechanism. IEEE Transactions on Industrial Informatics, 2023, 19, 541-550.	7.2	44
119	Interference-controlled D2D routing aided by knowledge extraction at cellular infrastructure towards ubiquitous CPS. Personal and Ubiquitous Computing, 2015, 19, 1033-1043.	1.9	43
120	Smart Road Traffic Accidents Reduction Strategy Based on Intelligent Transportation Systems (TARS). Sensors, 2018, 18, 1983.	2.1	43
121	Battery-Friendly Relay Selection Scheme for Prolonging the Lifetimes of Sensor Nodes in the Internet of Things. IEEE Access, 2019, 7, 33180-33201.	2.6	43
122	A Volunteer-Supported Fog Computing Environment for Delay-Sensitive IoT Applications. IEEE Internet of Things Journal, 2021, 8, 3822-3830.	5.5	43
123	Big Data Orchestration as a Service Network. , 2017, 55, 94-101.		42
124	Video tamper detection based on multi-scale mutual information. Multimedia Tools and Applications, 2019, 78, 27109-27126.	2.6	42
125	Privacy-Aware Point-of-Interest Category Recommendation in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 21398-21408.	5.5	42
126	A Survey of Big Data Analytics for Smart Forestry. IEEE Access, 2019, 7, 46621-46636.	2.6	41

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127	Spectral Matrix Decomposition-Based Motion Artifacts Removal in Multi-Channel PPG Sensor Signals. IEEE Access, 2016, 4, 3076-3086.	2.6	40
128	GTCCS: A Game Theoretical Collaborative Charging Scheduling for On-Demand Charging Architecture. IEEE Transactions on Vehicular Technology, 2018, 67, 12124-12136.	3.9	40
129	High-Resolution Remote Sensing Image Change Detection Combined With Pixel-Level and Object-Level. IEEE Access, 2019, 7, 78909-78918.	2.6	40
130	A Fast CP-ABE System for Cyber-Physical Security and Privacy in Mobile Healthcare Network. IEEE Transactions on Industry Applications, 2020, , 1-1.	3.3	40
131	Class-Incremental Learning for Wireless Device Identification in IoT. IEEE Internet of Things Journal, 2021, 8, 17227-17235.	5.5	40
132	Cross-Layer Optimization for Industrial Internet of Things in Real Scene Digital Twins. IEEE Internet of Things Journal, 2022, 9, 15618-15629.	5.5	40
133	A Temporal-Spatial Method for Group Detection, Locating and Tracking. IEEE Access, 2016, 4, 4484-4494.	2.6	39
134	Multimedia streaming in information-centric networking: A survey and future perspectives. Computer Networks, 2017, 125, 103-121.	3.2	39
135	Towards a Low-Cost Remote Memory Attestation for the Smart Grid. Sensors, 2015, 15, 20799-20824.	2.1	38
136	Multimedia recommendation and transmission system based on cloud platform. Future Generation Computer Systems, 2017, 70, 94-103.	4.9	38
137	Big data analytics enabled by feature extraction based on partial independence. Neurocomputing, 2018, 288, 3-10.	3.5	38
138	Enhanced-AODV: A Robust Three Phase Priority-Based Traffic Load Balancing Scheme for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 14426-14437.	5.5	38
139	Delay and energy-efficient data collection scheme-based matrix filling theory for dynamic traffic IoT. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	37
140	Drone assisted Flying Ad-Hoc Networks: Mobility and Service oriented modeling using Neuro-fuzzy. Ad Hoc Networks, 2020, 106, 102242.	3.4	37
141	Hash-MAC-DSDV: Mutual Authentication for Intelligent IoT-Based Cyber-Physical Systems. IEEE Internet of Things Journal, 2022, 9, 22173-22183.	5.5	37
142	A differential privacy protection scheme for sensitive big data in body sensor networks. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 465-475.	1.6	36
143	To Reduce Delay, Energy Consumption and Collision through Optimization Duty-Cycle and Size of Forwarding Node Set in WSNs. IEEE Access, 2019, 7, 55983-56015.	2.6	36
144	Adaption Resizing Communication Buffer to Maximize Lifetime and Reduce Delay for WWSNs. IEEE Access, 2019, 7, 48266-48287.	2.6	36

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145	Simultaneous enhancement and noise reduction of a single low-light image. IET Image Processing, 2016, 10, 840-847.	1.4	35
146	CDMA-based anti-collision algorithm for EPC global C1 Gen2 systems. Telecommunication Systems, 2018, 67, 63-71.	1.6	35
147	Deployment Optimization of Data Centers in Vehicular Networks. IEEE Access, 2019, 7, 20644-20663.	2.6	35
148	TagSort: Accurate Relative Localization Exploring RFID Phase Spectrum Matching for Internet of Things. IEEE Internet of Things Journal, 2020, 7, 389-399.	5.5	35
149	Cache-Enabled Unmanned Aerial Vehicles for Cooperative Cognitive Radio Networks. IEEE Wireless Communications, 2020, 27, 155-161.	6.6	35
150	A shortest path routing algorithm for unmanned aerial systems based on grid position. Journal of Network and Computer Applications, 2018, 103, 215-224.	5.8	34
151	A Formal Model-Based Design Method for Robotic Systems. IEEE Systems Journal, 2019, 13, 1096-1107.	2.9	34
152	Quality Index for Stereoscopic Images by Jointly Evaluating Cyclopean Amplitude and Cyclopean Phase. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 89-101.	7.3	33
153	Duty Cycle Adaptive Adjustment Based Device to Device (D2D) Communication Scheme for WSNs. IEEE Access, 2018, 6, 76339-76373.	2.6	33
154	A Mobile Cloud Computing Model Using the Cloudlet Scheme for Big Data Applications. , 2016, , .		32
155	From Offline Towards Real-Time Verification for Robot Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 1712-1721.	7.2	32
156	DIFS: Distributed Interest Forwarder Selection in Vehicular Named Data Networks. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3076-3080.	4.7	32
157	Big data-driven machine learning-enabled traffic flow prediction. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3482.	2.6	32
158	CDP-UA: Cognitive Data Processing Method Wearable Sensor Data Uncertainty Analysis in the Internet of Things Assisted Smart Medical Healthcare Systems. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3691-3699.	3.9	32
159	ESOT: a new privacy model for preserving location privacy in Internet of Things. Telecommunication Systems, 2018, 67, 553-575.	1.6	31
160	Network Traffic Prediction Based on Deep Belief Network and Spatiotemporal Compressive Sensing in Wireless Mesh Backbone Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	0.8	31
161	Compressive Sensing-Based Clustering Joint Annular Routing Data Gathering Scheme for Wireless Sensor Networks. IEEE Access, 2019, 7, 114639-114658.	2.6	31
162	Cloudlet-Based Mobile Cloud Computing for Healthcare Applications. , 2016, , .		29

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163	QoS-DPSO: QoS-aware Task Scheduling for Cloud Computing System. Journal of Network and Systems Management, 2021, 29, 1.	3.3	29
164	Extensive Throughput Enhancement For 5G-Enabled UAV Swarm Networking. IEEE Journal on Miniaturization for Air and Space Systems, 2021, 2, 199-208.	1.9	29
165	Traffic Matrix Prediction and Estimation Based on Deep Learning for Data Center Networks. , 2016, , .		28
166	A lightweight and aggregated system for indoor/outdoor detection using smart devices. Future Generation Computer Systems, 2020, 107, 988-997.	4.9	28
167	Multi-access edge computing enabled internet of things: advances and novel applications. Neural Computing and Applications, 2020, 32, 15313-15316.	3.2	28
168	Deep Multi-Level Semantic Hashing for Cross-Modal Retrieval. IEEE Access, 2019, 7, 23667-23674.	2.6	25
169	An adaptive retransmit mechanism for delay differentiated services in industrial WSNs. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	25
170	A Novel Shortcut Addition Algorithm With Particle Swarm for Multisink Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 3566-3577.	7.2	25
171	Dynamic Inversion of Inland Aquaculture Water Quality Based on UAVs-WSN Spectral Analysis. Remote Sensing, 2020, 12, 402.	1.8	25
172	Semantic Learning Based Cross-Platform Binary Vulnerability Search For IoT Devices. IEEE Transactions on Industrial Informatics, 2021, 17, 971-979.	7.2	25
173	Analysis of the Security of Internet of Multimedia Things. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-16.	3.0	25
174	Real-Time Positioning Based on Millimeter Wave Device to Device Communications. IEEE Access, 2016, 4, 5520-5530.	2.6	24
175	Privacy-Preserving Protocol for Sink Node Location in Telemedicine Networks. IEEE Access, 2018, 6, 42886-42903.	2.6	24
176	Dependable Model-driven Development of CPS. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-31.	1.9	24
177	Communication Aware UAV Swarm Surveillance Based on Hierarchical Architecture. Drones, 2021, 5, 33.	2.7	24
178	Blockchain enabled verification for cellular-connected unmanned aircraft system networking. Future Generation Computer Systems, 2021, 123, 233-244.	4.9	24
179	Routing With Traffic Awareness and Link Preference in Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 200-214.	4.7	24
180	Vehicular-Publish/Subscribe (V-P/S) Communication Enabled On-the-Move EV Charging Management. , 2016, 54, 84-92.		23

#	ARTICLE	IF	CITATIONS
181	Cluster-Based Resource Allocation for Spectrum-Sharing Femtocell Networks. IEEE Access, 2016, 4, 8643-8656.	2.6	23
182	Dynamic measurement errors prediction for sensors based on firefly algorithm optimize support vector machine. Sustainable Cities and Society, 2017, 35, 250-256.	5.1	23
183	SentiRelated: A cross-domain sentiment classification algorithm for short texts through sentiment related index. Journal of Network and Computer Applications, 2018, 101, 111-119.	5.8	23
184	Factor Graph-Assisted Distributed Cooperative Positioning Algorithm in the GNSS System. Sensors, 2018, 18, 3748.	2.1	23
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