

Hai Zhao

List of Publications by Year in descending order

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98
papers

586
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794141
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98
all docs

98
docs citations

98
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	Using the k-core decomposition to analyze the static structure of large-scale software systems. Journal of Supercomputing, 2010, 53, 352-369.	2.4	68
2	Systematic Analysis of a Military Wearable Device Based on a Multi-Level Fusion Framework: Research Directions. Sensors, 2019, 19, 2651.	2.1	40
3	Toward Energy-Efficient and Robust Large-Scale WSNs: A Scale-Free Network Approach. IEEE Journal on Selected Areas in Communications, 2016, 34, 4035-4047.	9.7	38
4	An embedded Web server for equipment. , 2004, , .		29
5	DTE-SDN: A Dynamic Traffic Engineering Engine for Delay-Sensitive Transfer. IEEE Internet of Things Journal, 2018, 5, 5240-5253.	5.5	29
6	Radiomics model for distinguishing tuberculosis and lung cancer on computed tomography scans. World Journal of Clinical Cases, 2020, 8, 5203-5212.	0.3	26
7	QSDN-WISE: A New QoS-Based Routing Protocol for Software-Defined Wireless Sensor Networks. IEEE Access, 2019, 7, 61070-61082.	2.6	22
8	Dynamic Service Migration and Request Routing for Microservice in Multicell Mobile-Edge Computing. IEEE Internet of Things Journal, 2022, 9, 13126-13143.	5.5	19
9	Neighbor vector centrality of complex networks based on neighbors degree distribution. European Physical Journal B, 2013, 86, 1.	0.6	15
10	Brain Network Modeling Based on Mutual Information and Graph Theory for Predicting the Connection Mechanism in the Progression of Alzheimer's Disease. Entropy, 2019, 21, 300.	1.1	14
11	Resource allocation for D2D-enabled inter-vehicle communications in multiplatoons. , 2017, , .		12
12	Modeling and Performance of the IEEE 802.11p Broadcasting for Intra-Platoon Communication. Sensors, 2018, 18, 2971.	2.1	11
13	Obstructive Sleep Apnea Recognition Based on Multi-Bands Spectral Entropy Analysis of Short-Time Heart Rate Variability. Entropy, 2019, 21, 812.	1.1	11
14	ArvaNet: Deep Recurrent Architecture for PPG-Based Negative Mental-State Monitoring. IEEE Transactions on Computational Social Systems, 2021, 8, 179-190.	3.2	11
15	Using Intuitionistic Fuzzy Set for Anomaly Detection of Network Traffic From Flow Interaction. IEEE Access, 2018, 6, 64801-64816.	2.6	10
16	A Fast and Efficient CAD System for Improving the Performance of Malignancy Level Classification on Lung Nodules. IEEE Access, 2020, 8, 40151-40170.	2.6	10
17	A Multi-Channel Token Ring Protocol for Inter-Vehicle Communications. , 2008, , .		9
18	An Improved Fast Flocking Algorithm with Obstacle Avoidance for Multiagent Dynamic Systems. Journal of Applied Mathematics, 2014, 2014, 1-13.	0.4	9

#	ARTICLE	IF	CITATIONS
19	Scheduling for Time-Constrained Big-File Transfer Over Multiple Paths in Cloud Computing. IEEE Transactions on Emerging Topics in Computational Intelligence, 2018, 2, 25-40.	3.4	9
20	Improving controllability of complex networks by rewiring links regularly. , 2014, , .		8
21	Scheduling algorithms for time-constrained big-file transfers in the Internet of Vehicles. Journal of Communications and Information Networks, 2017, 2, 126-135.	3.5	8
22	Energy-Efficient and Fault-Tolerant Evolution Models Based on Link Prediction for Large-Scale Wireless Sensor Networks. IEEE Access, 2018, 6, 73341-73356.	2.6	8
23	Webit: a minimum and efficient internet server for non-PC devices. , 0, , .		7
24	The embedded internet technology based on a real-time kernel for non-PC devices. , 0, , .		7
25	Visualization and Cognition of Large-Scale Software Structure Using the k-Core Analysis. , 2008, , .		7
26	Medium Access Control for QoS Provisioning in Vehicle-to-Infrastructure Communication Networks. Mobile Networks and Applications, 2013, 18, 174-185.	2.2	7
27	Brain networks modeling for studying the mechanism underlying the development of Alzheimer's disease. Neural Regeneration Research, 2019, 14, 1805.	1.6	7
28	Distributed Computation Offloading and Trajectory Optimization in Multi-UAV-Enabled Edge Computing. IEEE Internet of Things Journal, 2022, 9, 20096-20110.	5.5	7
29	Energy-Efficient and Fault-Tolerant Evolution Models for Large-Scale Wireless Sensor Networks: A Complex Networks-Based Approach. , 2015, , .		6
30	Webit&NEU: An Embedded Device for the Internet of Things. International Journal of Distributed Sensor Networks, 2014, 10, 839540.	1.3	6
31	A Reliable Multi-path Routing Protocol in Wireless Sensor Network Design and Implementation. , 2009, , .		5
32	Systolic blood pressure estimation using Android smart phones. , 2013, , .		5
33	Extraction and Analysis of Crucial Fraction in Software Networks. International Journal of Software Engineering and Knowledge Engineering, 2014, 24, 617-634.	0.6	5
34	Symmetric Preferential Attachment for New Vertices Attaching to Software Networks. New Generation Computing, 2014, 32, 271-296.	2.5	5
35	A novel lung cancer detection algorithm for CADs based on SSP and Level Set. Technology and Health Care, 2017, 25, 345-355.	0.5	5
36	Neural network fuzzy control for enhancing the stability performance of quad-rotor helicopter. Transactions of the Institute of Measurement and Control, 2018, 40, 3333-3344.	1.1	5

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37	Internet Anomaly Detection Based on Complex Network Path. IEICE Transactions on Communications, 2018, E101.B, 2397-2408.	0.4	5
38	Distributed routing algorithm with dynamic connection partition for mobile <i>ad hoc</i> networks. IET Networks, 2019, 8, 239-245.	1.1	5
39	EWS: Providing internet connectivity for non-PC devices. , 0, , .		4
40	Research and implementation of VLAN based on service. , 0, , .		4
41	A Fixed Clustering Hierarchy Arithmetic Based on Energy Prediction for Wireless Sensor Networks. , 2008, , .		4
42	The K-Core Decomposition and Visualization of Internet Router-Level Topology. , 2009, , .		4
43	Leveraging Energy, Latency, and Robustness for Routing Path Selection in Internet of Battlefield Things. IEEE Internet of Things Journal, 2022, 9, 12601-12613.	5.5	4
44	Deep Transfer Learning for IoT Intrusion Detection. , 2022, , .		4
45	The Study on Fractals of Internet Router-level Topology. , 2008, , .		3
46	Energy-efficient and scalable clustering scheme for wireless sensor networks. , 2015, , .		3
47	A Key Node Mining Method Based on Acupoint-Disease Network (ADN): A New Perspective for Exploring Acupoint Specificity. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-15.	0.5	3
48	A Coverage-Preserving Node Scheduling Scheme Based on Trust Selection Model in Wireless Sensor Networks. , 2006, , .		2
49	Multiple Sink Nodes' Deployment Based on PMP in WSNs. , 2007, , .		2
50	Research on reference nodes placement and selection of ubiquitous computing locating service. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2007, 2, 13-22.	0.6	2
51	An Improved Task Scheduling Algorithm for Intelligent Control in Tiny Mechanical System. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	2
52	Research on bottleneck-delay in internet based on IP united mapping. Peer-to-Peer Networking and Applications, 2017, 10, 1219-1231.	2.6	2
53	An Adaptive Multi-Homogeneous Sensor Weight Calculation Method for Body Sensor Networks. IEEE Access, 2019, 7, 121629-121644.	2.6	2
54	Differential backâ€‘pressure routing for singleâ€‘queue timeâ€‘varying wireless networks. IET Communications, 2019, 13, 3117-3123.	1.5	2

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55	A Novel Distributed Source Seeking Method Based on Multi-Robots Flocking. , 2019, , .		2
56	A Generative Network Model of the Human Brain Normal Aging Process. Symmetry, 2020, 12, 91.	1.1	2
57	A robust and efficient framework for tubular structure segmentation in chest CT images. Technology and Health Care, 2020, 29, 1-11.	0.5	2
58	Exploiting Ensemble Learning for Edge-assisted Anomaly Detection Scheme in e-healthcare System. , 2021, , .		2
59	An improved Bayes fusion algorithm with the Parzen window method. , 0, , .		1
60	Preemptive Behavior Analysis and Improvement of Priority Scheduling Algorithms. , 0, , .		1
61	An Improved Algorithm for Reducing Bayesian Network Inference complexity. , 2006, , .		1
62	An Energy Prediction Clustering Hierarchy for Wireless Sensor Networks. , 2007, , .		1
63	An Adaptive Classified Data Aggregation Arithmetic for Wireless Sensor Networks. , 2007, , .		1
64	One immunization strategy of complex networks. , 2008, , .		1
65	On the internet AS-level topology evolution basing on hierarchy characteristic. , 2008, , .		1
66	An Optimization Model for IO Jitter in Device-Level RTOS. , 2009, , .		1
67	The Design and Implementation of the Complex Network Three-Dimensional Genetic Topology Generator. , 2009, , .		1
68	A platform of software network measurement design and implement. , 2010, , .		1
69	A new linear-time component-labeling algorithm. , 2010, , .		1
70	A busy tone based medium access control scheme over vehicle-to-infrastructure communication networks. , 2011, , .		1
71	VSLP: Voronoi-socialspot-aided packet forwarding protocol with receiver Location Privacy in MSNs. , 2012, , .		1
72	Community detection based reference points clustering for indoor localization in WLAN. , 2013, , .		1

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73	Selectively iterative particle filtering and its applications for target tracking in WSNs. , 2013, , .		1
74	Explicit rate based transmission control in vehicle to infrastructure communications. , 2013, , .		1
75	A Reliability-Oriented Local-Area Model for Large-Scale Wireless Sensor Networks. Mathematical Problems in Engineering, 2015, 2015, 1-17.	0.6	1
76	ARG-Based Malignancy Evaluation for Pulmonary Nodule Detection. , 2019, , .		1
77	Weakly Secure Coded Caching Scheme for an Eavesdropper Having Prior Knowledge. IEEE Access, 2020, 8, 15565-15575.	2.6	1
78	An Analytical Approach to Relay Access Delay in Multihop Relay Chain of VANETs. International Journal of Distributed Sensor Networks, 2015, 11, 836106.	1.3	1
79	<i>SDM4IoT</i>: An SDN-Based Multicast Algorithm for Industrial Internet of Things. IEICE Transactions on Communications, 2022, E105.B, 545-556.	0.4	1
80	An Efficient EWS for Non-PC Device. , 0, , .		0
81	The effect of Internet separation degree time sensitivity on transmission. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2006, 1, 325-329.	0.6	0
82	Research on Locating Unit Initial Sensitivity. , 2007, , .		0
83	Multi Nodes Cooperative Sensing Based on Grade Field in Wireless Sensor Networks. , 2007, , .		0
84	The study on characteristics of the coreness of router-level internet nodes. , 2008, , .		0
85	Correctness of Sampling Bias on Internet Router-Level Topology. , 2008, , .		0
86	The Mechanism and Performance Comparison of Two Wireless Sensor Network Operating System Kernels. , 2009, , .		0
87	Research on run-time overhead of RM and improvement. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2009, 4, 186-192.	0.6	0
88	Metrics on Software Networks Based on Deviation of Characteristic Values. , 2010, , .		0
89	An unified QoS-aware rate control scheme in vehicular WiFi networks. , 2013, , .		0
90	Performance Analysis of IEEE 802.11p DCF for Inter-Platoon Communications with Autonomous Vehicles. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
91	Energy-Efficient and Fault-Tolerant Evolution Models for Large-Scale Wireless Sensor Networks: A Complex Networks-Based Approach. , 2014, , .		0
92	High-performance software control platform designed for the autonomous navigation of quad-rotor helicopter. Advances in Mechanical Engineering, 2016, 8, 168781401666963.	0.8	0
93	Metanetwork Transmission Model for Predicting a Malaria-Control Strategy. Frontiers in Genetics, 2018, 9, 446.	1.1	0
94	Shortest-Path-Based Back-Pressure Routing with Single-FIFO Queueing in <i>ad hoc</i> Networks'. IET Networks, 2019, 8, 339-345.	1.1	0
95	Research on Reliability-Oriented Data Fusion Aggregation Algorithm in Large-Scale Probabilistic Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 739102.	1.3	0
96	Attack and Defense Strategy of Distribution Network Cyber-Physical System Considering EV Source-Charge Bidirectionality. Electronics (Switzerland), 2021, 10, 2973.	1.8	0
97	Power Intelligent Terminal Intrusion Detection Based on Deep Learning and Cloud Computing. Computational Intelligence and Neuroscience, 2022, 2022, 1-14.	1.1	0
98	SDNRCFII: An SDN-Based Reliable Communication Framework for Industrial Internet. IEICE Transactions on Communications, 2022, E105.B, 1508-1518.	0.4	0