Dingde Jiang

List of Publications by Year
in descending order

89 papers	2,680 citations	172457 29 h-index	197818 49 g-index
95 all docs	95 docs citations	95 times ranked	1626 citing authors

#	ARTICLE	IF	CITATIONS
1	A Joint Multi-Criteria Utility-Based Network Selection Approach for Vehicle-to-Infrastructure Networking. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3305-3319.	8.0	215
2	Energy-Efficient Multi-Constraint Routing Algorithm With Load Balancing for Smart City Applications. IEEE Internet of Things Journal, 2016, 3, 1437-1447.	8.7	194
3	An energy-efficient cooperative multicast routing in multi-hop wireless networks for smart medical applications. Neurocomputing, 2017, 220, 160-169.	5.9	139
4	Big Data Analysis Based Network Behavior Insight of Cellular Networks for Industry 4.0 Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 1310-1320.	11.3	138
5	A Compressive Sensing-Based Approach to End-to-End Network Traffic Reconstruction. IEEE Transactions on Network Science and Engineering, 2020, 7, 507-519.	6.4	116
6	Collaborative Multi-hop Routing in Cognitive Wireless Networks. Wireless Personal Communications, 2016, 86, 901-923.	2.7	114
7	Intelligent Security Planning for Regional Distributed Energy Internet. IEEE Transactions on Industrial Informatics, 2020, 16, 3540-3547.	11.3	109
8	Network coding-based energy-efficient multicast routing algorithm for multi-hop wireless networks. Journal of Systems and Software, 2015, 104, 152-165.	4.5	88
9	An Energy-Efficient Networking Approach in Cloud Services for IIoT Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 928-941.	14.0	84
10	Network Traffic Prediction Based on Deep Belief Network in Wireless Mesh Backbone Networks. , 2017, , .		76
11	QoE-Aware Efficient Content Distribution Scheme For Satellite-Terrestrial Networks. IEEE Transactions on Mobile Computing, 2023, 22, 443-458.	5.8	74
12	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.	6.4	69
13	A New Traffic Prediction Algorithm to Software Defined Networking. Mobile Networks and Applications, 2021, 26, 716-725.	3.3	68
14	A multicast delivery approach with minimum energy consumption for wireless multi-hop networks. Telecommunication Systems, 2016, 62, 771-782.	2.5	65
15	Adaboost-based security level classification of mobile intelligent terminals. Journal of Supercomputing, 2019, 75, 7460-7478.	3.6	63
16	Fine-granularity inference and estimations to network traffic for SDN. PLoS ONE, 2018, 13, e0194302.	2.5	60
17	A SDN-based fine-grained measurement and modeling approach to vehicular communication network traffic. International Journal of Communication Systems, 2019, , e4092.	2.5	57
18	A Cuckoo Search-Support Vector Machine Model for Predicting Dynamic Measurement Errors of Sensors. IEEE Access, 2016, 4, 5030-5037.	4.2	49

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19	Spatio-Temporal Kronecker Compressive Sensing for Traffic Matrix Recovery. IEEE Access, 2016, 4, 3046-3053.	4.2	49
20	A Prediction Approach to End-to-End Traffic in Space Information Networks. Mobile Networks and Applications, 2021, 26, 726-735.	3.3	49
21	An energy-efficient multicast algorithm with maximum network throughput in multi-hop wireless networks. Journal of Communications and Networks, 2016, 18, 713-724.	2.6	46
22	An optimization-based robust routing algorithm to energy-efficient networks for cloud computing. Telecommunication Systems, 2016, 63, 89-98.	2.5	41
23	Spectral Matrix Decomposition-Based Motion Artifacts Removal in Multi-Channel PPG Sensor Signals. IEEE Access, 2016, 4, 3076-3086.	4.2	40
24	Stackelberg game-based energy-efficient resource allocation for 5G cellular networks. Telecommunication Systems, 2019, 72, 377-388.	2.5	36
25	A traffic anomaly detection approach in communication networks for applications of multimedia medical devices. Multimedia Tools and Applications, 2016, 75, 14281-14305.	3.9	35
26	A novel hybrid prediction algorithm to network traffic. Annales Des Telecommunications/Annals of Telecommunications, 2015, 70, 427-439.	2.5	34
27	Modeling network traffic for traffic matrix estimation and anomaly detection based on Bayesian network in cloud computing networks. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 297-305.	2.5	34
28	MIMO Scheduling Effectiveness Analysis for Bursty Data Service from View of QoE. Chinese Journal of Electronics, 2017, 26, 1079-1085.	1.5	31
29	Integrated Wireless Sensor Systems via Near-Space and Satellite Platforms: A Review. IEEE Sensors Journal, 2014, 14, 3903-3914.	4.7	30
30	A collaborative multi-hop routing algorithm for maximum achievable rate. Journal of Network and Computer Applications, 2015, 57, 182-191.	9.1	29
31	Traffic Matrix Prediction and Estimation Based on Deep Learning for Data Center Networks. , 2016, , .		28
32	Maximum connectivity-based channel allocation algorithm in cognitive wireless networks for medical applications. Neurocomputing, 2017, 220, 41-51.	5.9	28
33	Energy-Efficient Heterogeneous Networking for Electric Vehicles Networks in Smart Future Cities. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1868-1880.	8.0	28
34	Topology control–based collaborative multicast routing algorithm with minimum energy consumption. International Journal of Communication Systems, 2017, 30, e2905.	2.5	27
35	An intelligent optimization–based traffic information acquirement approach to software–defined networking. Computational Intelligence, 2020, 36, 151-171.	3.2	26
36	A Performance Measurement and Analysis Method for Software-Defined Networking of IoV. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3707-3719.	8.0	26

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37	Cluster-Based Resource Allocation for Spectrum-Sharing Femtocell Networks. IEEE Access, 2016, 4, 8643-8656.	4.2	23
38	Dynamic measurement errors prediction for sensors based on firefly algorithm optimize support vector machine. Sustainable Cities and Society, 2017, 35, 250-256.	10.4	23
39	Physarum-inspired routing protocol for energy harvesting wireless sensor networks. Telecommunication Systems, 2018, 67, 745-762.	2.5	23
40	AI-Assisted Energy-Efficient and Intelligent Routing for Reconfigurable Wireless Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 78-88.	6.4	21
41	QoS constraints-based energy-efficient model in cloud computing networks for multimedia clinical issues. Multimedia Tools and Applications, 2016, 75, 14307-14328.	3.9	18
42	Fuzzy-CNN Based Multi-Task Routing for Integrated Satellite-Terrestrial Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1913-1926.	6.3	17
43	A robust energy-efficient routing algorithm to cloud computing networks for learning. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2483-2495.	1.4	13
44	Energy-efficient cognitive access approach to convergence communications. Science China Information Sciences, 2014, 57, 1-12.	4.3	12
45	An efficient network intrusion detection approach based on deep learning. Wireless Networks, 0, , 1.	3.0	9
46	Mahalanobis distance–based traffic matrix estimation. European Transactions on Telecommunications, 2010, 21, 195-201.	1.2	8
47	End-to-End Network Traffic Reconstruction Via Network Tomography Based on Compressive Sensing. Journal of Network and Systems Management, 2015, 23, 709-730.	4.9	8
48	A Sensor Dynamic Measurement Error Prediction Model Based on NAPSO-SVM. Sensors, 2018, 18, 233.	3.8	7
49	A SDN-based intelligent prediction approach to power traffic identification and monitoring for smart network access. Wireless Networks, 2021, 27, 3665-3676.	3.0	7
50	Bisecting k-means based fingerprint indoor localization. Wireless Networks, 2021, 27, 3497-3506.	3.0	7
51	A Novel Fireworks Algorithm for the Protein-Ligand Docking on the AutoDock. Mobile Networks and Applications, 2021, 26, 657-668.	3.3	7
52	A Wavelet-Based Detection Approach to Traffic Anomalies. , 2011, , .		6
53	A compressive sensing–based network tomography approach to estimating origin–destination flow traffic in large–scale backbone networks. International Journal of Communication Systems, 2015, 28, 889-900.	2.5	6
54	Empirical Analysis and Modeling of the Activity Dilemmas in Big Social Networks. IEEE Access, 2017, 5, 967-974.	4.2	6

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55	Wind energy allocation strategies for long-term contracts in open energy markets. , 2016, , .		5
56	Dynamic access approach to multiple channels in pervasive wireless multimedia communications for technology enhanced learning. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2497-2509.	1.4	5
57	An evolutionary game theory-based channel access mechanism for wireless multimedia sensor network with rate-adaptive applications. Multimedia Tools and Applications, 2016, 75, 14329-14349.	3.9	5
58	A SDN-based active measurement method to traffic QoS sensing for smart network access. Wireless Networks, 2021, 27, 3677-3688.	3.0	5
59	Efficient Traffic Sign Recognition Using Cross-Connected Convolution Neural Networks Under Compressive Sensing Domain. Mobile Networks and Applications, 2021, 26, 629-637.	3.3	5
60	A QoE-based dynamic energy-efficient network selection algorithm. Wireless Networks, 2020, 27, 3585.	3.0	4
61	Multicast Waveband Routing and Grooming algorithm in optical WDM networks. , 2010, , .		3
62	An accurate method to estimate traffic matrices from link loads for QoS provision. Journal of Communications and Networks, 2010, 12, 624-631.	2.6	3
63	A reconstructing approach to end–to–end network traffic based on multifractal wavelet model. International Journal of Communication Systems, 2014, 27, 3565-3580.	2.5	3
64	Optimal secret sharing for wireless information security in the era of Internet of Things. Personal and Ubiquitous Computing, 2019, 23, 723-738.	2.8	3
65	A software–defined networks –based measurement method of network traffic for 6G technologies. Transactions on Emerging Telecommunications Technologies, 2020, , e4172.	3.9	3
66	A joint and dynamic routing approach to connected vehicles via LEO constellation satellite networks. Wireless Networks, 0, , 1.	3.0	3
67	A Compressive Sensing-Based Reconstruction Approach to End-to-End Network Traffic. , 2012, , .		2
68	A channel allocation strategy for multi-hop cognitive radio networks. , 2013, , .		2
69	An Intelligent Relay Node Selection Scheme in Space-Air-Ground Integrated Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 157-167.	0.3	2
70	Network Emulation as a Service (NEaaS): Towards a Cloud-Based Network Emulation Platform. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 508-517.	0.3	2
71	An Algorithm of Minimum Energy Multicast Based on Network Coding. , 2012, , .		1
72	A Three Dimension Super-Resolution Algorithm through Neighbor Embedding Based on Weighted Coefficient Values for Internet of Things. , 2016, , .		1

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73	Optimal on-off control for a class of discrete event systems with real-time constraints. Discrete Event Dynamic Systems: Theory and Applications, 2019, 29, 79-90.	1.5	1
74	Active Measurement Approach to Traffic QoS Sensing for Smart Network Access in SDN. , 2019, , .		1
75	Security level protection for intelligent terminals based on differential privacy. Telecommunication Systems, 2020, 74, 425-435.	2.5	1
76	Editorial: Simulation Tools and Techniques for Communications and Networking. Mobile Networks and Applications, 2021, 26, 571-574.	3.3	1
77	Dynamic Computing Resource Adjustment in Edge Computing Satellite Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 135-145.	0.3	1
78	A Security Traffic Measurement Approach in SDN-Based Internet of Things. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 146-156.	0.3	1
79	Branch-based Link Planning for Time-varying Space-air Integrated networks. , 2020, , .		1
80	An optimization-based robust routing algorithm for IP energy-efficient networks. , 2013, , .		0
81	A Cooperation-Based Routing Algorithm in Mobile Opportunistic Networks. , 2016, , .		0
82	A Robust Network Traffic Modeling Approach to Software Defined Networking. , 2019, , .		0
83	A Space-Air-Ground Integrated Networking Method for Air Mobile Targets. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 117-126.	0.3	0
84	A Performance Analysis Approach for Network Intrusion Detection Algorithms. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 215-224.	0.3	0
85	Editorial: Advance of simulations and techniques for communication networks and information systems. Wireless Networks, 2021, 27, 3453-3456.	3.0	0
86	A Collection Node Planning Algorithm of Power Wireless Private Network in Smart Grid. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 84-93.	0.3	0
87	An Adaptive Measurement Method for Flow Traffic in Software Defined Networking. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 115-124.	0.3	0
88	A Hybrid Virtualization Approach to Emulate Heterogeneous Network Nodes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 228-237.	0.3	0
89	A New End-To-End Network Traffic Reconstruction Approach Based on Different Time Granularities. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 111-122.	0.3	0