Zhaolong Ning

List of Publications by Year
in descending order

152 papers	7,736 citations	53794 45 h-index	56724 83 g-index
153 all docs	153 docs citations	153 times ranked	6243 citing authors

#	ARTICLE	IF	CITATIONS
1	Partial Computation Offloading and Adaptive Task Scheduling for 5G-Enabled Vehicular Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1319-1333.	5.8	108
2	Imitation Learning Enabled Task Scheduling for Online Vehicular Edge Computing. IEEE Transactions on Mobile Computing, 2022, 21, 598-611.	5.8	104
3	Minimizing the Age-of-Critical-Information: An Imitation Learning-Based Scheduling Approach Under Partial Observations. IEEE Transactions on Mobile Computing, 2022, 21, 3225-3238.	5.8	41
4	Blockchain-Enabled Intelligent Transportation Systems: A Distributed Crowdsensing Framework. IEEE Transactions on Mobile Computing, 2022, 21, 4201-4217.	5.8	90
5	Online Scheduling and Route Planning for Shared Buses in Urban Traffic Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3430-3444.	8.0	12
6	An Adaptive Social Spammer Detection Model With Semi-Supervised Broad Learning. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4622-4635.	5.7	14
7	Privacy-Preserved Electronic Medical Record Exchanging and Sharing: A Blockchain-Based Smart Healthcare System. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1917-1927.	6.3	31
8	Distributed Orchestration of Service Function Chains for Edge Intelligence in the Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2022, 18, 6244-6254.	11.3	5
9	Blockchain-Enabled Electrical Fault Inspection and Secure Transmission in 5G Smart Grids. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 82-96.	10.8	12
10	Online Learning for Distributed Computation Offloading in Wireless Powered Mobile Edge Computing Networks. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1841-1855.	5.6	32
11	Blockchain-Enabled Privacy-Preserving Access Control for Data Publishing and Sharing in the Internet of Medical Things. IEEE Internet of Things Journal, 2022, 9, 8091-8104.	8.7	20
12	Multi-Feature Representation Based COVID-19 Risk Stage Evaluation With Transfer Learning. IEEE Transactions on Network Science and Engineering, 2022, 9, 1359-1375.	6.4	6
13	Guest Editorial Special Issue on Collaborative Edge Computing for Social Internet of Things Systems. IEEE Transactions on Computational Social Systems, 2022, 9, 59-63.	4.4	4
14	Joint Computing and Caching in 5G-Envisioned Internet of Vehicles: A Deep Reinforcement Learning-Based Traffic Control System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5201-5212.	8.0	164
15	Intelligent Edge Computing in Internet of Vehicles: A Joint Computation Offloading and Caching Solution. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2212-2225.	8.0	211
16	A Reinforcement Learning-Based Network Traffic Prediction Mechanism in Intelligent Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 2169-2180.	11.3	42
17	A Real-Time Defect Detection Method for Digital Signal Processing of Industrial Inspection Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 3450-3459.	11.3	32
18	Online Energy Scheduling Policies in Energy Harvesting Enabled D2D Communications. IEEE Transactions on Industrial Informatics, 2021, 17, 5678-5687.	11.3	10

#	Article	IF	Citations
19	Multi-Agent Imitation Learning for Pervasive Edge Computing: A Decentralized Computation Offloading Algorithm. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 411-425.	5.6	86
20	Deep Learning Based Autonomous Vehicle Super Resolution DOA Estimation for Safety Driving. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4301-4315.	8.0	77
21	5G-Enabled UAV-to-Community Offloading: Joint Trajectory Design and Task Scheduling. IEEE Journal on Selected Areas in Communications, 2021, 39, 3306-3320.	14.0	70
22	Mobile Edge Computing Enabled 5G Health Monitoring for Internet of Medical Things: A Decentralized Game Theoretic Approach. IEEE Journal on Selected Areas in Communications, 2021, 39, 463-478.	14.0	202
23	Intelligent resource allocation in mobile blockchain for privacy and security transactions: a deep reinforcement learning based approach. Science China Information Sciences, 2021, 64, 1.	4.3	54
24	Joint User Pairing and Resource Allocation for SWIPT-Enabled Cooperative D2D Communications. , 2021, , .		2
25	Distributed and Dynamic Service Placement in Pervasive Edge Computing Networks. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1277-1292.	5.6	85
26	Intrusion Detection in Green Internet of Things: A Deep Deterministic Policy Gradient-Based Algorithm. IEEE Transactions on Green Communications and Networking, 2021, 5, 778-788.	5.5	26
27	Internet of UAVs Based Remote Health Monitoring: An Online eHealth System. IEEE Wireless Communications, 2021, 28, 15-21.	9.0	3
28	Editorial: Special Section on Pervasive Edge Computing for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 5010-5011.	11.3	0
29	Secure Crowdsensing in 5G Internet of Vehicles: When Deep Reinforcement Learning Meets Blockchain. IEEE Consumer Electronics Magazine, 2021, 10, 72-81.	2.3	27
30	Network Traffic Prediction in Industrial Internet of Things Backbone Networks: A Multitask Learning Mechanism. IEEE Transactions on Industrial Informatics, 2021, 17, 7123-7132.	11.3	22
31	Distributed Task Scheduling for Wireless Powered Mobile Edge Computing: A Federated-Learning-Enabled Framework. IEEE Network, 2021, 35, 27-33.	6.9	2
32	A collective filtering based content transmission scheme in edge of vehicles. Information Sciences, 2020, 506, 161-173.	6.9	10
33	When Deep Reinforcement Learning Meets 5G-Enabled Vehicular Networks: A Distributed Offloading Framework for Traffic Big Data. IEEE Transactions on Industrial Informatics, 2020, 16, 1352-1361.	11.3	120
34	Emergency warning messages dissemination in vehicular social networks: A trust based scheme. Vehicular Communications, 2020, 22, 100199.	4.0	17
35	Corrections to â€œA Cooperative Quality-Aware Service Access System for Social Internet of Vehiclesâ€. IEEE Internet of Things Journal, 2020, 7, 6663-6663.	8.7	3
36	Edge Computing in Industrial Internet of Things: Architecture, Advances and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 2462-2488.	39.4	355

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37	Potential Threats and Possible Countermeasures for Photonic Network-on-Chip. IEEE Communications Magazine, 2020, 58, 48-53.	6.1	14
38	Private-Blockchain-Based Industrial IoT for Material and Product Tracking in Smart Manufacturing. IEEE Network, 2020, 34, 91-97.	6.9	41
39	Data-Driven Intrusion Detection for Intelligent Internet of Vehicles: A Deep Convolutional Neural Network-Based Method. IEEE Transactions on Network Science and Engineering, 2020, 7, 2219-2230.	6.4	79
40	Edge Computing Based Healthcare Systems: Enabling Decentralized Health Monitoring in Internet of Medical Things. IEEE Network, 2020, 34, 254-261.	6.9	49
41	NOMA-based energy-efficient task scheduling in vehicular edge computing networks: A self-imitation learning-based approach. China Communications, 2020, 17, 1-11.	3.2	21
42	On-Chip Hardware Accelerator for Automated Diagnosis Through Human–Machine Interactions in Healthcare Delivery. IEEE Transactions on Automation Science and Engineering, 2019, 16, 206-217.	5.2	22
43	Mobile Edge Computing-Enabled Internet of Vehicles: Toward Energy-Efficient Scheduling. IEEE Network, 2019, 33, 198-205.	6.9	200
44	Deep Reinforcement Learning for Intelligent Internet of Vehicles: An Energy-Efficient Computational Offloading Scheme. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1060-1072.	7.9	124
45	Deep Reinforcement Learning for Vehicular Edge Computing. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-24.	4.5	202
46	WDM-MDM Silicon-Based Optical Switching for Data Center Networks. , 2019, , .		10
47	Deep Learning in Edge of Vehicles: Exploring Trirelationship for Data Transmission. IEEE Transactions on Industrial Informatics, 2019, 15, 5737-5746.	11.3	64
48	Virtual Network Embedding Supporting User Mobility in 5G Metro&#x002F;Access Networks. , 2019, , .		4
49	Joint Computation Offloading, Power Allocation, and Channel Assignment for 5G-Enabled Traffic Management Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 3058-3067.	11.3	100
50	Wireless Power Transfer and Energy Harvesting: Current Status and Future Prospects. IEEE Wireless Communications, 2019, 26, 163-169.	9.0	129
51	Local Electricity Storage for Blockchain-Based Energy Trading in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2019, 15, 3610-3619.	11.3	65
52	Vehicular Fog Computing: Enabling Real-Time Traffic Management for Smart Cities. IEEE Wireless Communications, 2019, 26, 87-93.	9.0	304
53	Anomaly Detection Based on Spatio-Temporal and Sparse Features of Network Traffic in VANETs. , 2019, , .		7
54	Secure Beamforming Design for MISO SWIPT Systems: An Indirectly Optimized Approach. , 2019, , .		1

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55	Traffic Measurement Optimization Based on Reinforcement Learning in Large-Scale IP Backbone Networks. , 2019, , .		0
56	Deep Reinforcement Learning Based Traffic Offloading Scheme for Vehicular Networks. , 2019, , .		3
57	Future Communications and Energy Management in the Internet of Vehicles: Toward Intelligent Energy-Harvesting. IEEE Wireless Communications, 2019, 26, 87-93.	9.0	120
58	A Cooperative Partial Computation Offloading Scheme for Mobile Edge Computing Enabled Internet of Things. IEEE Internet of Things Journal, 2019, 6, 4804-4814.	8.7	372
59	Mobile Edge Computing-Enabled 5G Vehicular Networks: Toward the Integration of Communication and Computing. IEEE Vehicular Technology Magazine, 2019, 14, 54-61.	3.4	80
60	Joint Resource Allocation for Latency-Sensitive Services Over Mobile Edge Computing Networks With Caching. IEEE Internet of Things Journal, 2019, 6, 4283-4294.	8.7	110
61	Privacy-Preserving Content Dissemination for Vehicular Social Networks: Challenges and Solutions. IEEE Communications Surveys and Tutorials, 2019, 21, 1314-1345.	39.4	114
62	Green and Sustainable Cloud of Things: Enabling Collaborative Edge Computing. IEEE Communications Magazine, 2019, 57, 72-78.	6.1	131
63	An efficient data delivery and scheduling scheme for smart and sustainable cities. Journal of Cleaner Production, 2019, 215, 497-513.	9.3	7
64	Optimizing Content Dissemination for Real-Time Traffic Management in Large-Scale Internet of Vehicle Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 1093-1105.	6.3	67
65	Social acquaintance based routing in Vehicular Social Networks. Future Generation Computer Systems, 2019, 93, 751-760.	7.5	38
66	Service Degradability Supported by Forecasting System in Optical Data Center Networks. IEEE Systems Journal, 2019, 13, 1514-1525.	4.6	15
67	Temporal, Functional and Spatial Big Data Computing Framework for Large-Scale Smart Grid. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 369-379.	4.6	40
68	COMICS: a community property-based triangle motif clustering scheme. PeerJ Computer Science, 2019, 5, e180.	4.5	4
69	Green Survivable Collaborative Edge Computing in Smart Cities. IEEE Transactions on Industrial Informatics, 2018, 14, 1594-1605.	11.3	67
70	Mobility Dataset Generation for Vehicular Social Networks Based on Floating Car Data. IEEE Transactions on Vehicular Technology, 2018, 67, 3874-3886.	6.3	130
71	Energy-Latency Tradeoff for Energy-Aware Offloading in Mobile Edge Computing Networks. IEEE Internet of Things Journal, 2018, 5, 2633-2645.	8.7	426
72	Vehicular Social Networks: A survey. Pervasive and Mobile Computing, 2018, 43, 96-113.	3.3	106

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73	A Survey on Human-Centric Communications in Non-Cooperative Wireless Relay Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 914-944.	39.4	36
74	Offloading in Internet of Vehicles: A Fog-Enabled Real-Time Traffic Management System. IEEE Transactions on Industrial Informatics, 2018, 14, 4568-4578.	11.3	313
75	A Collaborative Filtering Recommendation-Based Scheme for WLANs With Differentiated Access Service. IEEE Systems Journal, 2018, 12, 1004-1014.	4.6	11
76	Heterogeneous visual features integration for image recognition optimization in internet of things. Journal of Computational Science, 2018, 28, 466-475.	2.9	4
77	Novel Framework of Risk-Aware Virtual Network Embedding in Optical Data Center Networks. IEEE Systems Journal, 2018, 12, 2473-2482.	4.6	55
78	A Cooperative Quality-Aware Service Access System for Social Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 2506-2517.	8.7	241
79	A Social-Aware Group Formation Framework for Information Diffusion in Narrowband Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1527-1538.	8.7	101
80	Detection of Four-Node Motif in Complex Networks. Studies in Computational Intelligence, 2018, , 453-462.	0.9	1
81	An improved Apriori–based algorithm for friends recommendation in microblog. International Journal of Communication Systems, 2018, 31, e3453.	2.5	24
82	Appropriate Service Degradability for Virtualized Inter-Data-Center Optical Networks. , 2018, , .		0
83	Big Trajectory Data: A Survey of Applications and Services. IEEE Access, 2018, 6, 58295-58306.	4.2	59
84	Robust Caching Control in Crowdsourced Content-Centric Mobile Networking. IEEE Access, 2018, 6, 59811-59821.	4.2	0
85	Integration of Image Feature and Word Relevance: Toward Automatic Image Annotation in Cyber-Physical-Social Systems. IEEE Access, 2018, 6, 44190-44198.	4.2	12
86	A City-Wide Real-Time Traffic Management System: Enabling Crowdsensing in Social Internet of Vehicles. IEEE Communications Magazine, 2018, 56, 19-25.	6.1	171
87	AIRank: Author Impact Ranking through Positions in Collaboration Networks. Complexity, 2018, 2018, 1-16.	1.6	9
88	Crowdsourcing for Mobile Networks and IoT. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.	1.2	3
89	SDN-Enabled Social-Aware Clustering in 5G-VANET Systems. IEEE Access, 2018, 6, 28213-28224.	4.2	67
90	Design for Architecture and Router of 3D Free-Space Optical Network-on-Chip. , 2018, , .		6

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91	A Demand-Supply Oriented Taxi Recommendation System for Vehicular Social Networks. IEEE Access, 2018, 6, 41529-41538.	4.2	15
92	Combinative hypergraph learning in subspace for cross-modal ranking. Multimedia Tools and Applications, 2018, 77, 25959-25982.	3.9	0
93	SDN-based Optimizing Solutions for Multipath Data Transmission Supporting Consortium Blockchains. , 2018, , .		9
94	A Privacy-Preserving Message Forwarding Framework for Opportunistic Cloud of Things. IEEE Internet of Things Journal, 2018, 5, 5281-5295.	8.7	53
95	Quick Answer for Big Data in Sharing Economy: Innovative Computer Architecture Design Facilitating Optimal Service-Demand Matching. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1494-1506.	5.2	46
96	Joint relay antenna and precoding selection for <i>K</i>â€user MIMO Y channels with physicalâ€layer network coding. International Journal of Communication Systems, 2017, 30, e3071.	2.5	1
97	Energyâ€aware cooperative and distributed channel estimation schemes for wireless sensor networks. International Journal of Communication Systems, 2017, 30, e3074.	2.5	13
98	Cooperative Mechanism for Energy Transportation and Storage in Internet of Energy. IEEE Access, 2017, 5, 1363-1375.	4.2	24
99	Energy-Efficient Survivable Grooming in Software-Defined Elastic Optical Networks. IEEE Access, 2017, , 1-1.	4.2	13
100	An Interference Coordination-Based Distributed Resource Allocation Scheme in Heterogeneous Cellular Networks. IEEE Access, 2017, 5, 2152-2162.	4.2	16
101	Sustainable Strategy for Recycling Edge Devices in Internet of Everything Networks. , 2017, , .		0
102	A Privacy-Reserved Approach for Message Forwarding in Opportunistic Networks. , 2017, , .		4
103	Vehicular Social Networks: Enabling Smart Mobility. , 2017, 55, 16-55.		283
104	Joint Encoding and Grouping Multiple Node Pairs for Physical-Layer Network Coding With Low-Complexity Algorithm. IEEE Transactions on Vehicular Technology, 2017, 66, 9275-9286.	6.3	5
105	A topology and applicationâ€aware relay path allocation scheme in multipath transport system based on applicationâ€level relay. International Journal of Communication Systems, 2017, 30, e3245.	2.5	2
106	Social-Oriented Adaptive Transmission in Opportunistic Internet of Smartphones. IEEE Transactions on Industrial Informatics, 2017, 13, 810-820.	11.3	92
107	A QoS-Oriented High-Efficiency Resource Allocation Scheme in Wireless Multimedia Sensor Networks. IEEE Sensors Journal, 2017, 17, 1538-1548.	4.7	10
108	The Role of Positive and Negative Citations in Scientific Evaluation. IEEE Access, 2017, 5, 17607-17617.	4.2	27

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109	Exploring time factors in measuring the scientific impact of scholars. Scientometrics, 2017, 112, 1301-1321.	3.0	14
110	CAIS: A Copy Adjustable Incentive Scheme in Community-Based Socially Aware Networking. IEEE Transactions on Vehicular Technology, 2017, 66, 3406-3419.	6.3	106
111	CITS 2017 general chairs' message. , 2017, , .		0
112	A cloud-supported cps approach to control decision of process manufacturing: 3D ONoC. , 2017, , .		4
113	A Novel QoS-Based QoE Evaluation Method for Streaming Video Service. , 2017, , .		3
114	Rising Star Forecasting Based on Social Network Analysis. IEEE Access, 2017, 5, 24229-24238.	4.2	15
115	Green Virtual Network Embedding for Collaborative Edge Computing in Environment-Friendly Optical-Wireless Networks. , 2017, , .		1
116	Team Recognition in Big Scholarly Data: Exploring Collaboration Intensity. , 2017, , .		13
117	A Hierarchical Routing Algorithm for Satellite Networks Considering FSO Communication. , 2017, , .		2
118	An Overview on Evaluating and Predicting Scholarly Article Impact. Information (Switzerland), 2017, 8, 73.	2.9	43
119	Location-Recommendation-Aware Virtual Network Embedding in Energy-Efficient Optical-Wireless Hybrid Networks Supporting 5G Models. IEEE Access, 2016, 4, 3065-3075.	4.2	15
120	PNCOIRank. , 2016, , .		6
121	A Hybrid Mechanism for Innovation Diffusion in Social Networks. IEEE Access, 2016, 4, 5408-5416.	4.2	8
122	Social-Oriented Resource Management in Cloud-Based Mobile Networks. IEEE Cloud Computing, 2016, 3, 24-31.	3.9	16
123	Toward Efficient 5G Transmission: SER Performance Analysis for Asynchronous Physical-Layer Network Coding. IEEE Access, 2016, 4, 5083-5097.	4.2	6
124	A secure routing scheme based on social network analysis in wireless mesh networks. Science China Information Sciences, 2016, 59, 1.	4.3	7
125	Design and performance investigation of LDPC-coded upstream transmission systems in IM/DD OFDM-PONs. Optics Communications, 2016, 380, 154-160.	2.1	7
126	Geo-Social Distance-Based Data Dissemination for Socially Aware Networking. IEEE Access, 2016, 4, 1444-1453.	4.2	26

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127	Integration of scheduling and network coding in multi-rate wireless mesh networks: Optimization models and algorithms. Ad Hoc Networks, 2016, 36, 386-397.	5.5	30
128	A load‑balancing and coding‑aware multicast protocol for mobile <i>ad hoc</i> networks. International Journal of Communication Systems, 2016, 29, 2457-2470.	2.5	8
129	Who are the Rising Stars in Academia?. , 2016, , .		18
130	Identifying Anomalous Citations for Objective Evaluation of Scholarly Article Impact. PLoS ONE, 2016, 11, e0162364.	2.5	39
131	Bibliographic Analysis of Nature Based on Twitter and Facebook Altmetrics Data. PLoS ONE, 2016, 11, e0165997.	2.5	65
132	A Dynamic Cooperative Monitor Node Selection Algorithm in Wireless Mesh Networks. , 2015, , .		3
133	Collaboration Prediction in Heterogeneous Information Networks. , 2015, , .		1
134	A Trust-Based User Assignment Scheme in Ad Hoc Social Networks. , 2015, , .		0
135	Hierarchic Topology Management by Decision Model and Smart Agents in Space Information Networks. , 2015, , .		1
136	A Novel Hybrid Routing Forwarding Algorithm in SDN Enabled Wireless Mesh Networks. , 2015, , .		16
137	Design of Dynamic Traffic Grooming Algorithm in Software-Defined Wireless Mesh Networks. , 2015, , .		2
138	A novel adaptive spectrum allocation scheme for multi-channel multi-radio wireless mesh networks. Journal of Network and Computer Applications, 2015, 56, 19-27.	9.1	9
139	Interference-aware spectrum sensing mechanisms in cognitive radio networks. Computers and Electrical Engineering, 2015, 42, 193-206.	4.8	5
140	Social-oriented adaptive transmission in wireless ad hoc networks. , 2014, , .		6
141	Joint power control and spectrum access in cognitive radio networks. Journal of Network and Computer Applications, 2014, 41, 379-388.	9.1	13
142	Markov-based vertical handoff decision algorithms in heterogeneous wireless networks. Computers and Electrical Engineering, 2014, 40, 456-472.	4.8	20
143	Dynamic Cell Range Expansion-based interference coordination scheme in next generation wireless networks. China Communications, 2014, 11, 98-104.	3.2	2
144	A channel estimation based opportunistic scheduling scheme in wireless bidirectional networks. Journal of Network and Computer Applications, 2014, 39, 61-69.	9.1	17

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145	Subcarrier allocation in multi-hop orthogonal frequency division multiple access wireless networks. Computers and Electrical Engineering, 2014, 40, 599-611.	4.8	5
146	Deployment of survivable fiber-wireless access for converged optical and data center networks. Optical Switching and Networking, 2014, 14, 226-232.	2.0	9
147	A novel scheduling algorithm for physical-layer network coding under Markov model in wireless multi-hop network. Computers and Electrical Engineering, 2013, 39, 1625-1636.	4.8	7
148	Power allocation for two-way relay channel in wireless bidirectional networks. , 2013, , .		0
149	Channel estimation based on outage probability in analog network coding. , 2012, , .		0
150	Link stability estimation based on link connectivity changes in mobile ad-hoc networks. Journal of Network and Computer Applications, 2012, 35, 2051-2058.	9.1	33
151	Joint scheduling and routing algorithm with load balancing in wireless mesh network. Computers and Electrical Engineering, 2012, 38, 533-550.	4.8	37
152	Key technology and solution to improve throughput in wireless mesh networks. , 2010, , .		1