Song Guo

List of Publications by Year
in descending order

619	23,076	12330	15266
papers	citations	69	126
		h-index	g-index

628	628	628	18317
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elucidating severe urban haze formation in China. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17373-17378.	7.1	1,328
2	Persistent sulfate formation from London Fog to Chinese haze. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13630-13635.	7.1	1,044
3	Formation of Urban Fine Particulate Matter. Chemical Reviews, 2015, 115, 3803-3855.	47.7	988
4	Markedly enhanced absorption and direct radiative forcing of black carbon under polluted urban environments. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4266-4271.	7.1	453
5	Information and Communications Technologies for Sustainable Development Goals: State-of-the-Art, Needs and Perspectives. IEEE Communications Surveys and Tutorials, 2018, 20, 2389-2406.	39.4	386
6	Green Industrial Internet of Things Architecture: An Energy-Efficient Perspective. IEEE Communications Magazine, 2016, 54, 48-54.	6.1	354
7	Joint Optimization of Task Scheduling and Image Placement in Fog Computing Supported Software-Defined Embedded System. IEEE Transactions on Computers, 2016, 65, 3702-3712.	3.4	343
8	Big Data Meet Green Challenges: Big Data Toward Green Applications. IEEE Systems Journal, 2016, 10, 888-900.	4.6	309
9	A Learning-Based Incentive Mechanism for Federated Learning. IEEE Internet of Things Journal, 2020, 7, 6360-6368.	8.7	307
10	Cost Efficient Resource Management in Fog Computing Supported Medical Cyber-Physical System. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 108-119.	4.6	297
11	A Survey on Energy Internet: Architecture, Approach, and Emerging Technologies. IEEE Systems Journal, 2018, 12, 2403-2416.	4.6	275
12	Deep Learning for Physical-Layer 5G Wireless Techniques: Opportunities, Challenges and Solutions. IEEE Wireless Communications, 2020, 27, 214-222.	9.0	261
13	Efficient Algorithms for Capacitated Cloudlet Placements. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2866-2880.	5.6	211
14	The Web of Things: A Survey (Invited Paper). Journal of Communications, 2011, 6, .	1.6	210
15	Size-resolved aerosol water-soluble ionic compositions in the summer of Beijing: implication of regional secondary formation. Atmospheric Chemistry and Physics, 2010, 10, 947-959.	4.9	208
16	Blockchain Meets Edge Computing: A Distributed and Trusted Authentication System. IEEE Transactions on Industrial Informatics, 2020, 16, 1972-1983.	11.3	207
17	Achieving Sustainable Ultra-Dense Heterogeneous Networks for 5G. , 2017, 55, 84-90.		203
18	A Comprehensive Survey of Blockchain: From Theory to IoT Applications and Beyond. IEEE Internet of Things Journal, 2019, 6, 8114-8154.	8.7	197

#	ARTICLE	IF	CITATIONS
19	Can We Beat DDoS Attacks in Clouds?. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2245-2254.	5.6	189
20	Big Data Meet Green Challenges: Greening Big Data. IEEE Systems Journal, 2016, 10, 873-887.	4.6	189
21	Making Big Data Open in Edges: A Resource-Efficient Blockchain-Based Approach. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 870-882.	5.6	187
22	Characterization of high-resolution aerosol mass spectra of primary organic aerosol emissions from Chinese cooking and biomass burning. Atmospheric Chemistry and Physics, 2010, 10, 11535-11543.	4.9	183
23	Protection of Big Data Privacy. IEEE Access, 2016, 4, 1821-1834.	4.2	173
24	High N_2O_5 Concentrations Observed in Urban Beijing: Implications of a Large Nitrate Formation Pathway. Environmental Science and Technology Letters, 2017, 4, 416-420.	8.7	167
25	Traffic and Computation Co-Offloading With Reinforcement Learning in Fog Computing for Industrial Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 976-986.	11.3	167
26	Aerosol Liquid Water Driven by Anthropogenic Inorganic Salts: Implying Its Key Role in Haze Formation over the North China Plain. Environmental Science and Technology Letters, 2018, 5, 160-166.	8.7	165
27	Green Resource Allocation Based on Deep Reinforcement Learning in Content-Centric IoT. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 781-796.	4.6	160
28	Discriminating DDoS Attacks from Flash Crowds Using Flow Correlation Coefficient. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1073-1080.	5.6	159
29	Multi-Hop Cooperative Computation Offloading for Industrial IoTâ€"Edgeâ€"Cloud Computing Environments. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2759-2774.	5.6	159
30	Reliable Multicast with Pipelined Network Coding Using Opportunistic Feeding and Routing. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3264-3273.	5.6	155
31	SAMR: A Self-adaptive MapReduce Scheduling Algorithm in Heterogeneous Environment. , 2010, , .		140
32	Low-cost communication for rural internet kiosks using mechanical backhaul. , 2006, , .		134
33	A General Communication Cost Optimization Framework for Big Data Stream Processing in Geo-Distributed Data Centers. IEEE Transactions on Computers, 2016, 65, 19-29.	3.4	134
34	An Efficient Privacy-Preserving Ranked Keyword Search Method. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 951-963.	5.6	130
35	Robust Big Data Analytics for Electricity Price Forecasting in the Smart Grid. IEEE Transactions on Big Data, 2019, 5, 34-45.	6.1	129
36	Characteristics of aerosol size distributions and new particle formation in the summer in Beijing. Journal of Geophysical Research, 2009, 114, .	3.3	128

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37	Seasonal variations in high time-resolved chemical compositions, sources, and evolution of atmospheric submicron aerosols in the megacity Beijing. Atmospheric Chemistry and Physics, 2017, 17, 9979-10000.	4.9	127
38	A Deep Reinforcement Learning Based Offloading Game in Edge Computing. IEEE Transactions on Computers, 2020, 69, 883-893.	3.4	126
39	Estimation of Size-Resolved Ambient Particle Density Based on the Measurement of Aerosol Number, Mass, and Chemical Size Distributions in the Winter in Beijing. Environmental Science & Technology, 2012, 46, 9941-9947.	10.0	124
40	A Game Theoretical Incentive Scheme for Relay Selection Services in Mobile Social Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6692-6702.	6.3	124
41	When UAV Swarm Meets Edge-Cloud Computing: The QoS Perspective. IEEE Network, 2019, 33, 36-43.	6.9	123
42	Energy Minimization in Multi-Task Software-Defined Sensor Networks. IEEE Transactions on Computers, 2015, 64, 3128-3139.	3.4	116
43	Robust Histogram Shape-Based Method for Image Watermarking. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 717-729.	8.3	109
44	Resource Management at the Network Edge: A Deep Reinforcement Learning Approach. IEEE Network, 2019, 33, 26-33.	6.9	108
45	A Survey on Energy Internet Communications for Sustainability. IEEE Transactions on Sustainable Computing, 2017, 2, 231-254.	3.1	107
46	A Game Theoretic Approach to Parked Vehicle Assisted Content Delivery in Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 6461-6474.	6.3	107
47	New particle formation in China: Current knowledge and further directions. Science of the Total Environment, 2017, 577, 258-266.	8.0	106
48	Energy-aware multicasting in wireless ad hoc networks: A survey and discussion. Computer Communications, 2007, 30, 2129-2148.	5.1	104
49	Imitation Learning Enabled Task Scheduling for Online Vehicular Edge Computing. IEEE Transactions on Mobile Computing, 2022, 21, 598-611.	5.8	104
50	Green Energy Scheduling for Demand Side Management in the Smart Grid. IEEE Transactions on Green Communications and Networking, 2018, 2, 596-611.	5.5	102
51	Malware Propagation in Large-Scale Networks. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 170-179.	5.7	97
52	Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. IEEE Transactions on Vehicular Technology, 2020, 69, 5549-5561.	6.3	93
53	Cost Minimization for Big Data Processing in Geo-Distributed Data Centers. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 314-323.	4.6	91
54	Submicron aerosols at thirteen diversified sites in China: size distribution, new particle formation and corresponding contribution to cloud condensation nuclei production. Atmospheric Chemistry and Physics, 2014, 14, 10249-10265.	4.9	90

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55	Research on the hygroscopic properties of aerosols by measurement and modeling during CAREBeijingâ€2006. Journal of Geophysical Research, 2009, 114, .	3.3	88
56	A Survey of Intelligent Network Slicing Management for Industrial IoT: Integrated Approaches for Smart Transportation, Smart Energy, and Smart Factory. IEEE Communications Surveys and Tutorials, 2022, 24, 1175-1211.	39.4	88
57	Byzantine-Resilient Secure Software-Defined Networks with Multiple Controllers in Cloud. IEEE Transactions on Cloud Computing, 2014, 2, 436-447.	4.4	87
58	Just-in-Time Code Offloading for Wearable Computing. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 74-83.	4.6	87
59	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
60	Quantitative evaluation of emission controls on primary and secondary organic aerosol sources during Beijing 2008 Olympics. Atmospheric Chemistry and Physics, 2013, 13, 8303-8314.	4.9	85
61	Distributed and Dynamic Service Placement in Pervasive Edge Computing Networks. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1277-1292.	5.6	85
62	Green Communication in Energy Renewable Wireless Mesh Networks: Routing, Rate Control, and Power Allocation. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3211-3220.	5.6	84
63	The secondary formation of organosulfates under interactions between biogenic emissions and anthropogenic pollutants in summer in Beijing. Atmospheric Chemistry and Physics, 2018, 18, 10693-10713.	4.9	84
64	D2D-based content delivery with parked vehicles in vehicular social networks. IEEE Wireless Communications, 2016, 23, 90-95.	9.0	83
65	Secure Multimedia Big Data in Trust-Assisted Sensor-Cloud for Smart City. , 2017, 55, 24-30.		81
66	Special phenomena from a single liquid drop impact on wetted cylindrical surfaces. Experimental Thermal and Fluid Science, 2013, 51, 18-27.	2.7	78
67	Big Data Analytics for Emergency Communication Networks: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 1758-1778.	39.4	76
68	A Survey of Incentive Mechanism Design for Federated Learning. IEEE Transactions on Emerging Topics in Computing, 2021, , 1-1.	4.6	76
69	Role of OH-Initiated Oxidation of Isoprene in Aging of Combustion Soot. Environmental Science & Technology, 2013, 47, 2254-2263.	10.0	75
70	A chain-cluster based routing algorithm for wireless sensor networks. Journal of Intelligent Manufacturing, 2012, 23, 1305-1313.	7.3	74
71	Software-defined wireless mesh networks: architecture and traffic orchestration. IEEE Network, 2015, 29, 24-30.	6.9	72
72	Renewable Energy-Aware Big Data Analytics in Geo-Distributed Data Centers with Reinforcement Learning. IEEE Transactions on Network Science and Engineering, 2020, 7, 205-215.	6.4	72

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73	Joint DNN Partition Deployment and Resource Allocation for Delay-Sensitive Deep Learning Inference in IoT. IEEE Internet of Things Journal, 2020, 7, 9241-9254.	8.7	72
74	Patchwork-Based Audio Watermarking Method Robust to De-synchronization Attacks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1413-1423.	5.8	71
75	Experience-Driven Computational Resource Allocation of Federated Learning by Deep Reinforcement Learning. , 2020, , .		71
76	An SDN-Based Architecture for Next-Generation Wireless Networks. IEEE Wireless Communications, 2017, 24, 25-31.	9.0	70
77	Cooperative Transmission in Integrated Terrestrial-Satellite Networks. IEEE Network, 2019, 33, 204-210.	6.9	70
78	Utility Based Data Computing Scheme to Provide Sensing Service in Internet of Things. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 337-348.	4.6	69
79	A Survey of State-of-the-Art on Blockchains. ACM Computing Surveys, 2022, 54, 1-42.	23.0	68
80	Networking Integrated Cloud–Edge–End in IoT: A Blockchain-Assisted Collective Q-Learning Approach. IEEE Internet of Things Journal, 2021, 8, 12694-12704.	8.7	67
81	Spread Spectrum-Based High Embedding Capacity Watermarking Method for Audio Signals. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 2228-2237.	5.8	66
82	The characteristics and origins of carbonaceous aerosol at a rural site of PRD in summer of 2006. Atmospheric Chemistry and Physics, 2012, 12, 1811-1822.	4.9	65
83	An artificial bee colony algorithm for data collection path planning in sparse wireless sensor networks. International Journal of Machine Learning and Cybernetics, 2015, 6, 375-383.	3.6	64
84	Efficient N_2O_5 uptake and NO_3 oxidation in the outflow of urban Beijing. Atmospheric Chemistry and Physics, 2018, 18, 9705-9721.	4.9	64
85	Optimal Task Placement with QoS Constraints in Geo-Distributed Data Centers Using DVFS. IEEE Transactions on Computers, 2015, 64, 2049-2059.	3.4	63
86	Online gas- and particle-phase measurements of organosulfates, organosulfonates and nitrooxy organosulfates in Beijing utilizing a FIGAERO ToF-CIMS. Atmospheric Chemistry and Physics, 2018, 18, 10355-10371.	4.9	62
87	Fool Me If You Can: Mimicking Attacks and Anti-Attacks in Cyberspace. IEEE Transactions on Computers, 2015, 64, 139-151.	3.4	61
88	Cloud Computing Assisted Blockchain-Enabled Internet of Things. IEEE Transactions on Cloud Computing, 2022, 10, 247-257.	4.4	61
89	Measurements of gaseous H_2SO_4 by AP-ID-CIMS during CAREBeijing 2008 Campaign. Atmospheric Chemistry and Physics, 2011, 11, 7755-7765.	4.9	60
90	Range-Based Localization for Sparse 3-D Sensor Networks. IEEE Internet of Things Journal, 2019, 6, 753-764.	8.7	60

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91	Intelligent VNF Orchestration and Flow Scheduling via Model-Assisted Deep Reinforcement Learning. IEEE Journal on Selected Areas in Communications, 2020, 38, 279-291.	14.0	60
92	Joint Optimization of Rule Placement and Traffic Engineering for QoS Provisioning in Software Defined Network. IEEE Transactions on Computers, 2015, 64, 3488-3499.	3.4	59
93	Photochemical smog in China: scientific challenges and implications for air-quality policies. National Science Review, 2016, 3, 401-403.	9.5	58
94	Gasoline aromatics: aÂcritical determinant of urban secondary organic aerosol formation. Atmospheric Chemistry and Physics, 2017, 17, 10743-10752.	4.9	58
95	Robust Patchwork-Based Embedding and Decoding Scheme for Digital Audio Watermarking. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 2232-2239.	3.2	57
96	Unicast and Broadcast Throughput Maximization in Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 2768-2776.	6.3	57
97	Comparison of particle number size distributions and new particle formation between the urban and rural sites in the PRD region, China. Atmospheric Environment, 2013, 76, 181-188.	4.1	57
98	Capacitated cloudlet placements in Wireless Metropolitan Area Networks. , 2015, , .		57
99	Traffic-Aware Geo-Distributed Big Data Analytics with Predictable Job Completion Time. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1785-1796.	5.6	57
100	Green Data-Collection From Geo-Distributed IoT Networks Through Low-Earth-Orbit Satellites. IEEE Transactions on Green Communications and Networking, 2019, 3, 806-816.	5.5	57
101	Adaptive and Fault-Tolerant Data Processing in Healthcare IoT Based on Fog Computing. IEEE Transactions on Network Science and Engineering, 2020, 7, 263-273.	6.4	57
102	Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 8777-8791.	6.3	57
103	Variation of particle number size distributions and chemical compositions at the urban and downwind regional sites in the Pearl River Delta during summertime pollution episodes. Atmospheric Chemistry and Physics, 2010, 10, 9431-9439.	4.9	56
104	Tornado: Enabling Blockchain in Heterogeneous Internet of Things Through a Space-Structured Approach. IEEE Internet of Things Journal, 2020, 7, 1273-1286.	8.7	56
105	Spatial distributions and chemical properties of PM2.5 based on 21 field campaigns at 17 sites in China. Chemosphere, 2016, 159, 480-487.	8.2	55
106	Incentive Scheme for Cyber Physical Social Systems Based on User Behaviors. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 92-103.	4.6	55
107	QoS-Aware Cooperative Computation Offloading for Robot Swarms in Cloud Robotics. IEEE Transactions on Vehicular Technology, 2019, 68, 4027-4041.	6.3	54
108	Daytime HONO formation in the suburban area of the megacity Beijing, China. Science China Chemistry, 2014, 57, 1032-1042.	8.2	53

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109	Influence of biomass burning from South Asia at a high-altitude mountain receptor site in China. Atmospheric Chemistry and Physics, 2017, 17, 6853-6864.	4.9	53
110	Pyramid: A Layered Sharding Blockchain System. , 2021, , .		53
111	Distributed Segment-Based Anomaly Detection With Kullback–Leibler Divergence in Wireless Sensor Networks. IEEE Transactions on Information Forensics and Security, 2017, 12, 101-110.	6.9	52
112	<sc>MeLoDy</sc>: A Long-Term Dynamic Quality-Aware Incentive Mechanism for Crowdsourcing. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 901-914.	5.6	52
113	The Next Generation Heterogeneous Satellite Communication Networks: Integration of Resource Management and Deep Reinforcement Learning. IEEE Wireless Communications, 2020, 27, 105-111.	9.0	52
114	PIRATE: A Blockchain-Based Secure Framework of Distributed Machine Learning in 5G Networks. IEEE Network, 2020, 34, 84-91.	6.9	52
115	Secure Wireless Communications Based on Compressive Sensing: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1093-1111.	39.4	51
116	Efficient NFV-Enabled Multicasting in SDNs. IEEE Transactions on Communications, 2019, 67, 2052-2070.	7.8	51
117	Incentive mechanisms for device-to-device communications. IEEE Network, 2015, 29, 75-79.	6.9	50
118	Multi-Category RFID Estimation. IEEE/ACM Transactions on Networking, 2017, 25, 264-277.	3.8	50
119	Insight into characteristics and sources of PM2.5 in the Beijing–Tianjin–Hebei region, China. National Science Review, 2015, 2, 257-258.	9.5	49
120	On Cost-Efficient Sensor Placement for Contaminant Detection in Water Distribution Systems. IEEE Transactions on Industrial Informatics, 2016, 12, 2177-2185.	11.3	49
121	Distributed Energy Management for Vehicle-to-Grid Networks. IEEE Network, 2017, 31, 22-28.	6.9	49
122	A Continuous-Decision Virtual Network Embedding Scheme Relying on Reinforcement Learning. IEEE Transactions on Network and Service Management, 2020, 17, 864-875.	4.9	49
123	Evolution of Software-Defined Sensor Networks. , 2013, , .		48
124	Chameleon Hashing for Secure and Privacy-Preserving Vehicular Communications. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2794-2803.	5.6	48
125	Cluster Frameworks for Efficient Scheduling and Resource Allocation in Data Center Networks: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 3560-3580.	39.4	48
126	OH-Initiated Oxidation of m-Xylene on Black Carbon Aging. Environmental Science & Technology, 2016, 50, 8605-8612.	10.0	47

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127	Cost Minimization for Rule Caching in Software Defined Networking. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1007-1016.	5.6	47
128	Approximation and Online Algorithms for NFV-Enabled Multicasting in SDNs. , 2017, , .		47
129	Ageing and hygroscopicity variation of black carbon particles in Beijing measured by a quasi-atmospheric aerosol evolution study (QUALITY) chamber. Atmospheric Chemistry and Physics, 2017, 17, 10333-10348.	4.9	47
130	Privacy-preserving Data Aggregation Computing in Cyber-Physical Social Systems. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-23.	2.5	47
131	On Efficient Resource Allocation for Cognitive and Cooperative Communications. IEEE Journal on Selected Areas in Communications, 2014, 32, 264-273.	14.0	45
132	A survey on sensor placement for contamination detection in water distribution systems. Wireless Networks, 2018, 24, 647-661.	3.0	45
133	A MapReduce based Parallel Niche Genetic Algorithm for contaminant source identification in water distribution network. Ad Hoc Networks, 2015, 35, 116-126.	5.5	44
134	Dynamic routing for network throughput maximization in software-defined networks. , 2016, , .		44
135	Vehicle-assist resilient information and network system for disaster management. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 438-448.	4.6	44
136	Two-Phase Task Scheduling in Data Relay Satellite Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 1782-1793.	6.3	44
137	Service Chaining for Hybrid Network Function. IEEE Transactions on Cloud Computing, 2019, 7, 1082-1094.	4.4	44
138	Green DataPath for TCAM-Based Software-Defined Networks. , 2016, 54, 194-201.		43
139	Spectrum Sensing and Recognition in Satellite Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 2502-2516.	6.3	43
140	BrokerChain: A Cross-Shard Blockchain Protocol for Account/Balance-based State Sharding. , 2022, , .		43
141	Minimum-energy multicast in wireless ad hoc networks with adaptive antennas: MILP formulations and heuristic algorithms. IEEE Transactions on Mobile Computing, 2006, 5, 333-346.	5.8	42
142	Fairness-Aware Dynamic Rate Control and Flow Scheduling for Network Utility Maximization in Network Service Chain. IEEE Journal on Selected Areas in Communications, 2019, 37, 1059-1071.	14.0	42
143	Task Scheduling for Energy Consumption Constrained Parallel Applications on Heterogeneous Computing Systems. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1165-1182.	5.6	42
144	Mobility-Aware and Delay-Sensitive Service Provisioning in Mobile Edge-Cloud Networks. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	42

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145	Service Provisioning for UAV-Enabled Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2021, 39, 3287-3305.	14.0	42
146	Segment-Based Anomaly Detection with Approximated Sample Covariance Matrix in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 574-583.	5.6	41
147	A Feasible IP Traceback Framework through Dynamic Deterministic Packet Marking. IEEE Transactions on Computers, 2016, 65, 1418-1427.	3.4	41
148	A K self-adaptive SDN controller placement for wide area networks. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 620-633.	2.6	40
149	Variations of fine particle physiochemical properties during a heavy haze episode in the winter of Beijing. Science of the Total Environment, 2016, 571, 103-109.	8.0	40
150	Strategic Antieavesdropping Game for Physical Layer Security in Wireless Cooperative Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9448-9457.	6.3	40
151	Joint Multigroup Precoding and Resource Allocation in Integrated Terrestrial-Satellite Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 8075-8090.	6.3	39
152	Rank-Based Image Watermarking Method With High Embedding Capacity and Robustness. IEEE Access, 2016, 4, 1689-1699.	4.2	38
153	A Truthful Double Auction for Device-to-Device Communications in Cellular Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 71-81.	14.0	38
154	Temporal Centrality-Balanced Traffic Management for Space Satellite Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4427-4439.	6.3	38
155	AI Routers & Network Mind: A Hybrid Machine Learning Paradigm for Packet Routing. IEEE Computational Intelligence Magazine, 2019, 14, 21-30.	3.2	38
156	Adaptive Parameter Estimation of Power System Dynamic Model Using Modal Information. IEEE Transactions on Power Systems, 2014, 29, 2854-2861.	6.5	37
157	Heterogeneous Chemistry of Glyoxal on Acidic Solutions. An Oligomerization Pathway for Secondary Organic Aerosol Formation. Journal of Physical Chemistry A, 2015, 119, 4457-4463.	2.5	37
158	A software defined wireless sensor network. , 2014, , .		36
159	Mobility Prediction Based Joint Stable Routing and Channel Assignment for Mobile Ad Hoc Cognitive Networks. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 789-802.	5.6	36
160	Trust-Enhanced Content Delivery in Blockchain-Based Information-Centric Networking. IEEE Network, 2019, 33, 183-189.	6.9	36
161	A Differential Privacy-Based Query Model for Sustainable Fog Data Centers. IEEE Transactions on Sustainable Computing, 2019, 4, 145-155.	3.1	36
162	Two-Layer Game Based Resource Allocation in Cloud Based Integrated Terrestrial-Satellite Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 509-522.	7.9	36

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163	Adaptive Federated Learning on Non-IID Data With Resource Constraint. IEEE Transactions on Computers, 2022, 71, 1655-1667.	3.4	36
164	On Traffic-Aware Partition and Aggregation in MapReduce for Big Data Applications. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 818-828.	5.6	35
165	Proactive Failure Recovery for NFV in Distributed Edge Computing. IEEE Communications Magazine, 2019, 57, 131-137.	6.1	35
166	RDAM: A Reinforcement Learning Based Dynamic Attribute Matrix Representation for Virtual Network Embedding. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 901-914.	4.6	35
167	Energy Management for EV Charging in Software-Defined Green Vehicle-to-Grid Network. , 2018, 56, 156-163.		34
168	Vital Signs Monitoring with RFID: Opportunities and Challenges. IEEE Network, 2019, 33, 126-132.	6.9	34
169	Accurate Respiration Monitoring for Mobile Users With Commercial RFID Devices. IEEE Journal on Selected Areas in Communications, 2021, 39, 513-525.	14.0	34
170	Improving source routing reliability in mobile ad hoc networks. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 362-373.	5.6	33
171	CodePipe: An opportunistic feeding and routing protocol for reliable multicast with pipelined network coding. , 2012, , .		33
172	Temporal and spatial distribution of PM2.5 chemical composition in a coastal city of Southeast China. Science of the Total Environment, 2017, 605-606, 337-346.	8.0	33
173	Spacechain: A Three-Dimensional Blockchain Architecture for IoT Security. IEEE Wireless Communications, 2020, 27, 38-45.	9.0	33
174	In-Network Computing Powered Mobile Edge: Toward High Performance Industrial IoT. IEEE Network, 2021, 35, 289-295.	6.9	33
175	Neighbor Similarity Trust against Sybil Attack in P2P E-Commerce. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 824-833.	5.6	32
176	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
177	SDN-Based Resource Allocation in Edge and Cloud Computing Systems: An Evolutionary Stackelberg Differential Game Approach. IEEE/ACM Transactions on Networking, 2022, 30, 1613-1628.	3.8	32
178	Multicast lifetime maximization for energy-constrained wireless ad-hoc networks with directional antennas. , 0, , .		31
179	Maximizing Lifetime of Data-Gathering Trees With Different Aggregation Modes in WSNs. IEEE Sensors Journal, 2016, 16, 8167-8177.	4.7	31
180	Near-Optimal One-Sided Scheduling for Coded Segmented Network Coding. IEEE Transactions on Computers, 2016, 65, 929-939.	3.4	31

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181	Profit Maximization for Admitting Requests with Network Function Services in Distributed Clouds. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 1143-1157.	5.6	31
182	FELL: A Flexible Virtual Network Embedding Algorithm with Guaranteed Load Balancing. , 2011, , .		30
183	Can we beat legitimate cyber behavior mimicking attacks from botnets?. , 2012, , .		30
184	Trajectory and Data Planning for Mobile Relay to Enable Efficient Internet Access after Disasters. , 2015, , .		30
185	Near-Optimal Routing Protection for In-Band Software-Defined Heterogeneous Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 2918-2934.	14.0	30
186	A Pre-Authentication Approach to Proxy Re-encryption in Big Data Context. IEEE Transactions on Big Data, 2017, , 1-1.	6.1	30
187	A Service-Oriented Permissioned Blockchain for the Internet of Things. IEEE Transactions on Services Computing, 2019, , 1-1.	4.6	30
188	Robust Large-Scale Spectrum Auctions against False-Name Bids. IEEE Transactions on Mobile Computing, 2017, 16, 1730-1743.	5.8	28
189	Posted Pricing for Chance Constrained Robust Crowdsensing. IEEE Transactions on Mobile Computing, 2020, 19, 188-199.	5.8	28
190	Towards Real-time Cooperative Deep Inference over the Cloud and Edge End Devices. , 2020, 4, 1-24.		28
191	14C-Based source assessment of carbonaceous aerosols at a rural site. Atmospheric Environment, 2012, 50, 36-40.	4.1	27
192	A Truthful QoS-Aware Spectrum Auction with Spatial Reuse for Large-Scale Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2499-2508.	5.6	27
193	Architecture-based design and optimization of genetic algorithms on multi- and many-core systems. Future Generation Computer Systems, 2014, 38, 75-91.	7.5	27
194	QoE-Based Cooperative Task Offloading with Deep Reinforcement Learning in Mobile Edge Networks. IEEE Wireless Communications, 2020, 27, 111-117.	9.0	27
195	RENDEZVOUS: towards fast event detecting in wireless sensor and actor networks. Computing (Vienna/New York), 2014, 96, 995-1010.	4.8	26
196	Reliable Bulk-Data Dissemination in Delay Tolerant Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2180-2189.	5.6	26
197	Privacy-Preserving Access to Big Data in the Cloud. IEEE Cloud Computing, 2016, 3, 34-42.	3.9	26
198	DTD: A Novel Double-Track Approach to Clone Detection for RFID-Enabled Supply Chains. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 134-140.	4.6	26

#	ARTICLE	IF	CITATIONS
199	Engineering a Game Theoretic Access for Urban Vehicular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 4602-4615.	6.3	26
200	Top- k Queries for Categorized RFID Systems. IEEE/ACM Transactions on Networking, 2017, 25, 2587-2600.	3.8	26
201	Data-Driven Intelligent Future Network: Architecture, Use Cases, and Challenges. IEEE Communications Magazine, 2019, 57, 34-40.	6.1	26
202	Cooperative Caching for Multiple Bitrate Videos in Small Cell Edges. IEEE Transactions on Mobile Computing, 2020, 19, 288-299.	5.8	26
203	Empowering Edge Intelligence by Air-Ground Integrated Federated Learning. IEEE Network, 2021, 35, 34-41.	6.9	26
204	Localized Operations for Distributed Minimum Energy Multicast Algorithm in Mobile Ad Hoc Networks. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 186-198.	5.6	25
205	More convenient more overhead. , 2011, , .		25
206	Energy-Efficient Cooperative Communications for Multimedia Applications in Multi-Channel Wireless Networks. IEEE Transactions on Computers, 2014, , 1-1.	3.4	25
207	Byzantine-resilient secure software-defined networks with multiple controllers. , 2014, , .		25
208	Antieavesdropping With Selfish Jamming in Wireless Networks: A Bertrand Game Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 6268-6279.	6.3	25
209	Fast Identification of Blocked RFID Tags. IEEE Transactions on Mobile Computing, 2018, 17, 2041-2054.	5.8	25
210	Optimal Connected Cruise Control With Arbitrary Communication Delays. IEEE Systems Journal, 2020, 14, 2913-2924.	4.6	25
211	Cross-Cloud MapReduce for Big Data. IEEE Transactions on Cloud Computing, 2020, 8, 375-386.	4.4	25
212	HAT: history-based auto-tuning MapReduce in heterogeneous environments. Journal of Supercomputing, 2013, 64, 1038-1054.	3.6	24
213	Taxonomy of Attacks for Agent-Based Smart Grids. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1886-1895.	5.6	24
214	Envisioned Wireless Big Data Storage for Low-Earth-Orbit Satellite-Based Cloud. IEEE Wireless Communications, 2018, 25, 26-31.	9.0	24
215	The effects of microgravity on the digestive system and the new insights it brings to the life sciences. Life Sciences in Space Research, 2020, 27, 74-82.	2.3	24
216	Blockchain-Based VEC Network Trust Management: A DRL Algorithm for Vehicular Service Offloading and Migration. IEEE Transactions on Vehicular Technology, 2021, 70, 8148-8160.	6.3	24

#	Article	IF	Citations
217	A dynamic multicast tree reconstruction algorithm for minimum-energy multicasting in wireless ad hoc networks. , 0, , .		23
218	On Social Delay-Tolerant Networking: Aggregation, Tie Detection, and Routing. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1563-1573.	5.6	23
219	Joint middlebox selection and routing for software-defined networking. , 2016, , .		23
220	Energy-Efficient Event Detection by Participatory Sensing Under Budget Constraints. IEEE Systems Journal, 2017, 11, 2490-2501.	4.6	23
221	Take Renewable Energy into CRAN toward Green Wireless Access Networks. IEEE Network, 2017, 31, 62-68.	6.9	23
222	Fast Coflow Scheduling via Traffic Compression and Stage Pipelining in Datacenter Networks. IEEE Transactions on Computers, 2019, 68, 1755-1771.	3.4	23
223	Falcon: Addressing Stragglers in Heterogeneous Parameter Server Via Multiple Parallelism. IEEE Transactions on Computers, 2021, 70, 139-155.	3.4	23
224	A Novel Perspective to Zero-Shot Learning: Towards an Alignment of Manifold Structures via Semantic Feature Expansion. IEEE Transactions on Multimedia, 2021, 23, 524-537.	7.2	23
225	Elastic Resource Allocation Against Imbalanced Transaction Assignments in Sharding-Based Permissioned Blockchains. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2372-2385.	5.6	23
226	Decentralized Federated Learning for UAV Networks: Architecture, Challenges, and Opportunities. IEEE Network, 2021, 35, 156-162.	6.9	23
227	A general cloud firewall framework with dynamic resource allocation. , 2013, , .		22
228	A Learning-Based Approach to Intra-Domain QoS Routing. IEEE Transactions on Vehicular Technology, 2020, 69, 6718-6730.	6.3	22
229	Machine Fault Detection for Intelligent Self-Driving Networks. IEEE Communications Magazine, 2020, 58, 40-46.	6.1	22
230	Antenna orientation optimization for minimum-energy multicast tree construction in wireless ad hoc networks with directional antennas. , 2004, , .		21
231	Maximizing Multicast Communication Lifetime in Wireless Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 2414-2425.	6.3	21
232	Designing energy efficient target tracking protocol withÂquality monitoring in wireless sensor networks. Journal of Supercomputing, 2010, 51, 131-148.	3.6	21
233	DOTA: A Double Truthful Auction for spectrum allocation in dynamic spectrum access. , 2012, , .		21
234	Capacity maximization in cooperative CRNs: Joint relay assignment and channel allocation. , 2012, , .		21

#	Article	IF	Citations
235	Energy-Efficient Coordinated Multipoint Scheduling in Green Cloud Radio Access Network. IEEE Transactions on Vehicular Technology, 2018, 67, 9922-9930.	6.3	21
236	Collaboration of Heterogeneous Unmanned Vehicles for Smart Cities. IEEE Network, 2019, 33, 133-137.	6.9	21
237	Maximizing Throughput of Delay-Sensitive NFV-Enabled Request Admissions via Virtualized Network Function Placement. IEEE Transactions on Cloud Computing, 2021, 9, 1535-1548.	4.4	21
238	Deep Reinforcement Learning Based VNF Management in Geo-distributed Edge Computing. , 2019, , .		21
239	Redundancy Avoidance for Big Data in Data Centers: A Conventional Neural Network Approach. IEEE Transactions on Network Science and Engineering, 2020, 7, 104-114.	6.4	21
240	Joint Optimization of Electricity and Communication Cost for Meter Data Collection in Smart Grid. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 297-306.	4.6	20
241	MoRule: Optimized rule placement for mobile users in SDN-enabled access networks. , 2014, , .		20
242	The identification of source regions of black carbon at a receptor site off the eastern coast of China. Atmospheric Environment, 2015, 100, 78-84.	4.1	20
243	FDRC: Flow-driven rule caching optimization in software defined networking. , 2015, , .		20
244	A Selective Privacy-Preserving Approach for Multimedia Data. IEEE MultiMedia, 2017, 24, 14-25.	1.7	20
245	Incentive Mechanism Design for Federated Learning: Challenges and Opportunities. IEEE Network, 2021, 35, 310-317.	6.9	20
246	Exploiting Small World Properties for Message Forwarding in Delay Tolerant Networks. IEEE Transactions on Computers, 2015, 64, 2809-2818.	3.4	19
247	An Improved Stochastic Modeling of Opportunistic Routing in Vehicular CPS. IEEE Transactions on Computers, 2015, 64, 1819-1829.	3.4	19
248	Opportunistic Offloading of Deadline-Constrained Bulk Cellular Traffic in Vehicular DTNs. IEEE Transactions on Computers, 2015, 64, 3515-3527.	3.4	19
249	Effects of continental anthropogenic sources on organic aerosols in the coastal atmosphere of East China. Environmental Pollution, 2017, 229, 350-361.	7.5	19
250	OSP. , 2019, , .		19
251	Nothing Blocks Me: Precise and Real-Time LOS/NLOS Path Recognition in RFID Systems. IEEE Internet of Things Journal, 2019, 6, 5814-5824.	8.7	19
252	Surveillance Plane Aided Air-Ground Integrated Vehicular Networks: Architectures, Applications, and Potential. IEEE Wireless Communications, 2020, 27, 122-128.	9.0	19

#	Article	IF	Citations
253	Big Data Analytics by CrowdLearning: Architecture and Mechanism Design. IEEE Network, 2020, 34, 143-147.	6.9	19
254	Challenges and Solutions for the Satellite Tracking, Telemetry, and Command System. IEEE Wireless Communications, 2020, 27, 12-18.	9.0	19
255	Joint Resource Allocation for Max-Min Throughput in Multicell Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 4546-4559.	6.3	18
256	On the Throughput of Two-Way Relay Networks Using Network Coding. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 191-199.	5.6	18
257	Evolution of secondary inorganic and organic aerosols during transport: A case study at a regional receptor site. Environmental Pollution, 2016, 218, 794-803.	7.5	18
258	Crowdsourcing-Based Content-Centric Network: A Social Perspective. IEEE Network, 2017, 31, 28-34.	6.9	18
259	The variability in the relationship between black carbon and carbon monoxide over the eastern coast of China: BC aging during transport. Atmospheric Chemistry and Physics, 2017, 17, 10395-10403.	4.9	18
260	Converged Network-Cloud Service Composition with End-to-End Performance Guarantee. IEEE Transactions on Cloud Computing, 2018, 6, 545-557.	4.4	18
261	ReActor: Real-time and Accurate Contactless Gesture Recognition with RFID. , 2019, , .		18
262	Near-Optimal Deployment of Service Chains by Exploiting Correlations Between Network Functions. IEEE Transactions on Cloud Computing, 2020, 8, 585-596.	4.4	18
263	Big Data and Emergency Management: Concepts, Methodologies, and Applications. IEEE Transactions on Big Data, 2020, , 1-1.	6.1	18
264	Mean-Field Learning for Edge Computing in Mobile Blockchain Networks. IEEE Transactions on Mobile Computing, 2023, 22, 5978-5994.	5.8	18
265	QoS-aware minimum energy multicast tree construction in wireless ad hoc networks. Ad Hoc Networks, 2004, 2, 217-229.	5.5	17
266	Dynamic Itinerary Planning for Mobile Agents with a Content-Specific Approach in Wireless Sensor Networks. , 2010, , .		17
267	MTTF of Composite Web Services. , 2010, , .		17
268	Simulation software as a service and Service-Oriented simulation experiment. , 2011, , .		17
269	A lightweight privacy-preserving protocol using chameleon hashing for secure vehicular communications. , 2012, , .		17
270	Cloud forming potential of oligomers relevant to secondary organic aerosols. Geophysical Research Letters, 2014, 41, 6538-6545.	4.0	17

#	Article	IF	Citations
271	The joint optimization of rules allocation and traffic engineering in Software Defined Network. , 2014, , .		17
272	Throughput Maximization in Software-Defined Networks with Consolidated Middleboxes. , 2016, , .		17
273	Efficient Algorithms for Throughput Maximization in Software-Defined Networks With Consolidated Middleboxes. IEEE Transactions on Network and Service Management, 2017, 14, 631-645.	4.9	17
274	Spectrum-Aware Network Coded Multicast in Mobile Cognitive Radio Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 5340-5350.	6.3	17
275	Machine-Learning-Based Online Distributed Denial-of-Service Attack Detection Using Spark Streaming. , 2018, , .		17
276	Efficient Data Placement and Replication for QoS-Aware Approximate Query Evaluation of Big Data Analytics. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2677-2691.	5.6	17
277	Heterogeneity-aware Gradient Coding for Straggler Tolerance. , 2019, , .		17
278	Partial Synchronization to Accelerate Federated Learning Over Relay-Assisted Edge Networks. IEEE Transactions on Mobile Computing, 2022, 21, 4502-4516.	5.8	17
279	Petrel: Heterogeneity-Aware Distributed Deep Learning Via Hybrid Synchronization. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1030-1043.	5.6	17
280	Towards a Managed Extensible Control Plane for Knowledge-Based Networking. Lecture Notes in Computer Science, 2006, , 98-111.	1.3	17
281	Vehicular cloud computing: A survey. , 2013, , .		16
282	An energy-aware deadline-constrained message delivery in delay-tolerant networks. Wireless Networks, 2014, 20, 1981-1993.	3.0	16
283	Particle Routing in Distributed Particle Filters for Large-Scale Spatial Temporal Systems. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 481-493.	5.6	16
284	Joint Computation Offloading and Routing Optimization for UAV-Edge-Cloud Computing Environments. , 2018, , .		16
285	Joint Workload Scheduling and Energy Management for Green Data Centers Powered by Fuel Cells. IEEE Transactions on Green Communications and Networking, 2019, 3, 397-406.	5.5	16
286	When Blockchain-Enabled Internet of Things Meets Cloud Computing. Computer, 2019, 52, 16-17.	1.1	16
287	Coflow-Like Online Data Acquisition from Low-Earth-Orbit Datacenters. IEEE Transactions on Mobile Computing, 2020, 19, 2743-2760.	5.8	16
288	Traffic scheduling for deep packet inspection in softwareâ€defined networks. Concurrency Computation Practice and Experience, 2017, 29, e3967.	2.2	16

#	Article	IF	Citations
289	Joint relay assignment and channel allocation for energy-efficient cooperative communications. , 2013, , .		15
290	Optimal Transmission Scheduling of Cooperative Communications with a Full-Duplex Relay. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2353-2363.	5.6	15
291	Max-Min Lifetime Optimization for Cooperative Communications in Multi-Channel Wireless Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1533-1542.	5.6	15
292	Aggregation on the fly: reducing traffic for big data in the cloud. IEEE Network, 2015, 29, 17-23.	6.9	15
293	MELODY: A Long-Term Dynamic Quality-Aware Incentive Mechanism for Crowdsourcing. , 2017, , .		15
294	Efficient Trustworthiness Management for Malicious User Detection in Big Data Collection. IEEE Transactions on Big Data, 2022, 8, 99-112.	6.1	15
295	Software-Defined Green 5G System for Big Data. IEEE Communications Magazine, 2018, 56, 116-123.	6.1	15
296	Enabling Heterogeneous Network Function Chaining. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 842-854.	5.6	15
297	Synchronous machine inertia constants updating using Wide Area Measurements. , 2012, , .		14
298	On the Throughput of Feedbackless Segmented Network Coding in Delay Tolerant Networks. IEEE Wireless Communications Letters, 2012, 1, 93-96.	5.0	14
299	Novel Z-Domain Precoding Method for Blind Separation of Spatially Correlated Signals. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 94-105.	11.3	14
300	Acid-Catalyzed Reactions of Epoxides for Atmospheric Nanoparticle Growth. Journal of the American Chemical Society, 2014, 136, 15477-15480.	13.7	14
301	Minimum-energy reprogramming with guaranteed quality-of-sensing in software-defined sensor networks. , 2014, , .		14
302	Big Data Analytics for Price Forecasting in Smart Grids. , 2016, , .		14
303	Temporal Factor-Aware Video Affective Analysis and Recommendation for Cyber-Based Social Media. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 412-424.	4.6	14
304	Online Green Data Gathering from Geo-Distributed IoT Networks via LEO Satellites. , 2018, , .		14
305	Falcon: Towards Computation-Parallel Deep Learning in Heterogeneous Parameter Server. , 2019, , .		14
306	Multi-Controller Resource Management for Software-Defined Wireless Networks. IEEE Communications Letters, 2019, 23, 506-509.	4.1	14

#	ARTICLE	IF	CITATIONS
307	Simulated microgravity significantly altered metabolism in epidermal stem cells. In Vitro Cellular and Developmental Biology - Animal, 2020, 56, 200-212.	1.5	14
308	Collaborative Edge Computing for Social Internet of Things: Applications, Solutions, and Challenges. IEEE Transactions on Computational Social Systems, 2022, 9, 291-301.	4.4	14
309	LTSM: Lightweight and Trusted Sharing Mechanism of IoT Data in Smart City. IEEE Internet of Things Journal, 2022, 9, 5080-5093.	8.7	14
310	A Comprehensive Survey on Training Acceleration for Large Machine Learning Models in IoT. IEEE Internet of Things Journal, 2022, 9, 939-963.	8.7	14
311	On-Device Learning Systems for Edge Intelligence: A Software and Hardware Synergy Perspective. IEEE Internet of Things Journal, 2021, 8, 11916-11934.	8.7	14
312	Comparison of Secondary Organic Aerosol Estimation Methods. Acta Chimica Sinica, 2014, 72, 658.	1.4	14
313	A particle swarm optimization algorithm for resource allocation in femtocell networks. , 2012, , .		13
314	Fine-grained resource allocation for cooperative device-to-device communication in cellular networks. IEEE Wireless Communications, 2014, 21, 35-40.	9.0	13
315	Reply to Li et al.: Insufficient evidence for the contribution of regional transport to severe haze formation in Beijing. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2741-E2741.	7.1	13
316	Throughput Maximization of Delay-Sensitive Request Admissions via Virtualized Network Function Placements and Migrations. , 2018, , .		13
317	A Graph Learning Based Approach for Identity Inference in DApp Platform Blockchain. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 438-449.	4.6	13
318	Service Function Chain Deployment and Network Flow Scheduling in Geo-Distributed Data Centers. IEEE Transactions on Network Science and Engineering, 2020, 7, 2587-2597.	6.4	13
319	A Cyclic Game for Service-Oriented Resource Allocation in Edge Computing. IEEE Transactions on Services Computing, 2020, 13, 723-734.	4.6	13
320	Error-Compensated Sparsification for Communication-Efficient Decentralized Training in Edge Environment. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 14-25.	5.6	13
321	Autophagy in Gastric Mucosa: The Dual Role and Potential Therapeutic Target. BioMed Research International, 2021, 2021, 1-8.	1.9	13
322	WSNp1-7: Distributed Multicast Algorithms for Lifetime Maximization in Wireless Ad Hoc Networks with Omni-directional and Directional Antennas. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	12
323	Exploring the Multicast Lifetime Capacity of WANETs with Directional Multibeam Antennas. , 2009, , .		12
324	A Distributed Algorithm for Min-Max Tree and Max-Min Cut Problems in Communication Networks. IEEE/ACM Transactions on Networking, 2010, 18, 1067-1076.	3.8	12

#	Article	IF	Citations
325	Architecture-based Performance Evaluation of Genetic Algorithms on Multi/Many-core Systems. , 2011, , .		12
326	Joint optimization of VM placement and request distribution for electricity cost cut in geo-distributed data centers. , 2015, , .		12
327	An Application Layer Protocol for Energy-Efficient Bandwidth Aggregation with Guaranteed Quality-of-Experience. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1538-1546.	5.6	12
328	Joint optimization on switch activation and flow routing towards energy efficient software defined data center networks. , 2016, , .		12
329	Making Big Data Open in Collaborative Edges: A Blockchain-Based Framework with Reduced Resource Requirements. , 2018, , .		12
330	When Green Energy Meets Cloud Radio Access Network: Joint Optimization Towards Brown Energy Minimization. Mobile Networks and Applications, 2019, 24, 962-970.	3.3	12
331	Guest Editorial Special Issue on Edge-Cloud Interplay Based on SDN and NFV for Next-Generation IoT Applications. IEEE Internet of Things Journal, 2020, 7, 5690-5694.	8.7	12
332	Fast and Reliable Dynamic Tag Estimation in Large-Scale RFID Systems. IEEE Internet of Things Journal, 2021, 8, 1651-1661.	8.7	12
333	Exploring Layered Container Structure for Cost Efficient Microservice Deployment. , 2021, , .		12
334	Effect of simulated microgravity on metabolism of HGCâ€'27 gastric cancer cells. Oncology Letters, 2020, 19, 3439-3450.	1.8	12
335	A scalable distributed multicast algorithm for lifetime maximization in large-scale resource-limited multihop wireless networks. , 2006, , .		11
336	Approximation algorithms for longest-lived directional multicast communications in WANETs. , 2007, , .		11
337	Dynamic segmented network coding for reliable data dissemination in delay tolerant networks. , 2012, , .		11
338	Lifetime optimization for reliable broadcast and multicast in wireless<i>ad hoc</i>networks. Wireless Communications and Mobile Computing, 2014, 14, 221-231.	1.2	11
339	Optimization of Deployable Base Stations With Guaranteed QoE in Disaster Scenarios. IEEE Transactions on Vehicular Technology, 2017, 66, 6536-6552.	6.3	11
340	Pinpointing Anomaly RFID Tags: Situation and Opportunities. IEEE Network, 2017, 31, 40-47.	6.9	11
341	Service provisioning update scheme for mobile application users in a cloudlet network. , 2017, , .		11
342	Optimal transmission strategy for sensors to defend against eavesdropping and jamming attacks. , 2017, , .		11

#	Article	IF	Citations
343	Swallow: Joint Online Scheduling and Coflow Compression in Datacenter Networks. , 2018, , .		11
344	Mobility-Aware Delay-Sensitive Service Provisioning for Mobile Edge Computing. , 2019, , .		11
345	Stackelberg Differential Game Based Resource Sharing in Hierarchical Fog-Cloud Computing. , 2019, , .		11
346	A Cyclic Game for Joint Cooperation and Competition of Edge Resource Allocation. , 2019, , .		11
347	Edge QoE: Intelligent Big Data Caching via Deep Reinforcement Learning. IEEE Network, 2020, 34, 8-13.	6.9	11
348	L4L: Experience-Driven Computational Resource Control in Federated Learning. IEEE Transactions on Computers, 2022, 71, 971-983.	3.4	11
349	Multi-Agent Reinforcement Learning Aided Computation Offloading in Aerial Computing for the Internet-of-Things. IEEE Transactions on Services Computing, 2022, , 1-12.	4.6	11
350	Tree-Based Distributed Multicast Algorithms for Directional Communications and Lifetime Optimization in Wireless Ad Hoc Networks. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	2.4	10
351	Maximum Lifetime Broadcast and Multicast Routing in Unreliable Wireless Ad-Hoc Networks. , 2010, , .		10
352	Social-Aware Relay Node Selection in Delay Tolerant Networks. , 2013, , .		10
353	CACC: A context-aware congestion control approach in smartphone networks. , 2014, 52, 42-48.		10
354	Green communications and computing networks [Series Editorial]. , 2016, 54, 106-107.		10
355	Energy-Efficient Power Control for Device-to-Device Communications with Max-Min Fairness. , 2016, , .		10
356	Cooperative QoS Beamforming for Multicast Transmission in Terrestrial-Satellite Networks. , 2017, , .		10
357	Power consumption analysis of video streaming in 4G LTE networks. Wireless Networks, 2018, 24, 3083-3098.	3.0	10
358	Profit Maximization of NFV-Enabled Request Admissions in SDNs. , 2018, , .		10
359	Multicast in multi-channel cognitive radio ad hoc networks: Challenges and research aspects. Computer Communications, 2018, 132, 10-16.	5.1	10
360	Edge Learning. ACM Computing Surveys, 2022, 54, 1-36.	23.0	10

#	Article	IF	Citations
361	Formulation of optimal tree construction for maximum lifetime multicasting in wireless ad-hoc networks with adaptive antennas. , 0, , .		9
362	On the maximum throughput of two-hop wireless network coding. , 2011, , .		9
363	Energy-Efficient Transmission Scheduling in Mobile Phones using Machine Learning and Participatory Sensing. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	9
364	Order-Optimal Information Dissemination in MANETs via Network Coding. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1841-1851.	5.6	9
365	Optimal VM placement in data centres with architectural and resource constraints. International Journal of Autonomous and Adaptive Communications Systems, 2015, 8, 392.	0.3	9
366	eBay in the Clouds: False-Name-Proof Auctions for Cloud Resource Allocation. , 2015, , .		9
367	Resilient information management system for disaster situations. , 2017, , .		9
368	A ${Q}$ -Learning Based Framework for Congested Link Identification. IEEE Internet of Things Journal, 2019, 6, 9668-9678.	8.7	9
369	Energy Minimization of Resource Allocation in Cloud-Based Satellite Communication Networks. IEEE Communications Letters, 2019, 23, 2353-2356.	4.1	9
370	Reopening International Borders without Quarantine: Contact Tracing Integrated Policy against COVID-19. International Journal of Environmental Research and Public Health, 2021, 18, 7494.	2.6	9
371	Mechanism of New Particle Formation and Growth as well as Environmental Effects under Complex Air Pollution in China. Acta Chimica Sinica, 2016, 74, 385.	1.4	9
372	Multi-Agent Actor-Critic Reinforcement Learning based In-network Load Balance. , 2020, , .		9
373	Blockchain-Based Participant Selection for Federated Learning. Communications in Computer and Information Science, 2020, , 112-125.	0.5	9
374	Performance Analysis of Resource Allocation Algorithms Using Cache Technology for Pervasive Computing System. , 2008, , .		8
375	On the Multicast Capacity in Energy-Constrained Lossy Wireless Networks by Exploiting Intrabatch and Interbatch Network Coding. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 2251-2260.	5.6	8
376	A multi-attribute decision making approach to congestion control in delay tolerant networks. , 2014, , .		8
377	Load balancing for privacy-preserving access to big data in cloud. , 2014, , .		8
378	Cost Minimization for Big Data Processing in Geo-Distributed Data Centers. Wireless Networks, 2015, , 59-78.	0.5	8

#	ARTICLE	IF	CITATIONS
379	On-demand Customizable Wireless Sensor Network. Procedia Computer Science, 2015, 52, 302-309.	2.0	8
380	Cloud-Based Actor Identification With Batch-Orthogonal Local-Sensitive Hashing and Sparse Representation. IEEE Transactions on Multimedia, 2016, 18, 1749-1761.	7.2	8
381	Parallel Agent-as-a-Service (P-AaaS) Based Geospatial Service in the Cloud. Remote Sensing, 2017, 9, 382.	4.0	8
382	CoMan: Managing Bandwidth Across Computing Frameworks in Multiplexed Datacenters. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1013-1029.	5.6	8
383	Big Data Processing With Minimal Delay and Guaranteed Data Resolution in Disaster Areas. IEEE Transactions on Vehicular Technology, 2019, 68, 3833-3842.	6.3	8
384	Cache-Assisted Content Delivery in Wireless Networks: A New Game Theoretic Model. IEEE Systems Journal, 2021, 15, 2653-2664.	4.6	8
385	Augmenting Drive-Thru Internet via Reinforcement Learning-Based Rate Adaptation. IEEE Internet of Things Journal, 2020, 7, 3114-3123.	8.7	8
386	SDN-NFV-Aided Edge-Cloud Interplay for 5G-Envisioned Energy Internet Ecosystem. IEEE Network, 2021, 35, 356-364.	6.9	8
387	Minimum energy multicast routing for wireless ad-hoc networks with adaptive antennas. , 0, , .		7
388	HARVEST: A Task-objective Efficient Data Collection Scheme in Wireless Sensor and Actor Networks. , 2011, , .		7
389	Performance bounds for Turbo-coded SC-PSK/FSO communications over strong turbulence channels. , 2011, , .		7
390	Segmented Network Coding for Stream-Like Applications in Delay Tolerant Networks. , 2011, , .		7
391	Deadline-constrained content distribution in vehicular delay tolerant networks. , 2012, , .		7
392	Coding-Aware Proportional-Fair Scheduling in OFDMA Relay Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1727-1740.	5.6	7
393	On the Multicast Lifetime of WANETs with Multibeam Antennas: Formulation, Algorithms, and Analysis. IEEE Transactions on Computers, 2014, 63, 1988-2001.	3.4	7
394	Joint optimization of task mapping and routing for service provisioning in distributed datacenters. , 2014, , .		7
395	TDRSS Scheduling Algorithm for Non-Uniform Time-Space Distributed Missions. , 2017, , .		7
396	Online Internet Traffic Measurement and Monitoring Using Spark Streaming. , 2017, , .		7

#	Article	IF	Citations
397	Potential of secondary aerosol formation from Chinese gasoline engine exhaust. Journal of Environmental Sciences, 2018, 66, 348-357.	6.1	7
398	Stochastic Scheduling Towards Cost Efficient Network Function Virtualization in Edge Cloud. , 2018, , .		7
399	ran-GJS. , 2018, , .		7
400	Adaptive Adjustment with Semantic Feature Space for Zero-shot Recognition. , 2019, , .		7
401	CMU-VP: Cooperative Multicast and Unicast With Viewport Prediction for VR Video Streaming in 5G H-CRAN. IEEE Access, 2019, 7, 134187-134197.	4.2	7
402	Influence maximization by leveraging the crowdsensing data in information diffusion network. Journal of Network and Computer Applications, 2019, 136, 11-21.	9.1	7
403	LOSP: Overlap Synchronization Parallel With Local Compensation for Fast Distributed Training. IEEE Journal on Selected Areas in Communications, 2021, 39, 2541-2557.	14.0	7
404	Guest Editorial: Special Section on Transfer Learning for 5G-Aided Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 7070-7074.	11.3	7
405	Adaptive Semantic Interoperability Strategies for Knowledge Based Networking. , 2007, , 1187-1199.		7
406	Research on Secondary Organic Aerosols Basing on Field Measurement. Acta Chimica Sinica, 2014, 72, 145.	1.4	7
407	MVCom: Scheduling Most Valuable Committees for the Large-Scale Sharded Blockchain. , 2021, , .		7
408	A Compromise-Resilient Group Rekeying Scheme for Hierarchical Wireless Sensor Networks. , 2010, , .		6
409	Improving throughput by fine-grained channel allocation in cooperative wireless networks. , 2012, , .		6
410	Leverage parking cars in a two-tier data center. , 2013, , .		6
411	An Efficient Data Scheduling Scheme for P2P Storage-Constrained IPTV System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 379-389.	9.3	6
412	Relay placement for latency minimization in delay tolerant networks. , 2015, , .		6
413	Online unicasting and multicasting in software-defined networks. Computer Networks, 2018, 132, 26-39.	5.1	6
414	Improving Power Efficiency for Online Video Streaming Service: A Self-Adaptive Approach. IEEE Transactions on Sustainable Computing, 2019, 4, 308-313.	3.1	6

#	Article	IF	Citations
415	Why queue up?. , 2020, , .		6
416	Performance of backup source routing in mobile ad hoc networks. , 0, , .		5
417	A dynamic data driven application system for wildfire spread simulation. , 2009, , .		5
418	A scalable key pre‐distribution mechanism for large‐scale wireless sensor networks. Concurrency Computation Practice and Experience, 2009, 21, 1373-1387.	2.2	5
419	Analysis of the Availability of Composite Web Services. , 2009, , .		5
420	A message complexity oriented design of distributed algorithm for long-lived multicasting in wireless sensor networks. International Journal of Sensor Networks, 2009, 6, 180.	0.4	5
421	A Flexible and Efficient Key Distribution Scheme for Renewable Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	5
422	Browsing behavior mimicking attacks on popular web sites for large botnets. , 2011, , .		5
423	The Exploration of Network Coding in IEEE 802.15.4 Networks. International Journal of Digital Multimedia Broadcasting, 2011, 2011, 1-9.	0.6	5
424	Maximum-Lifetime Coding Tree for Multicast in Lossy Wireless Networks. IEEE Wireless Communications Letters, 2013, 2, 295-298.	5.0	5
425	A dynamical Deterministic Packet Marking scheme for DDoS traceback. , 2013, , .		5
426	Modeap: Moving Desktop Application to Mobile Cloud Service. Mobile Networks and Applications, 2014, 19, 563-571.	3.3	5
427	Online Scheduling of Mobile Stations for Disaster Management. , 2016, , .		5
428	Congestion control in social-based sensor networks: A social network perspective. Peer-to-Peer Networking and Applications, 2016, 9, 681-691.	3.9	5
429	Preemptive dynamic scheduling algorithm for data relay satellite systems. , 2017, , .		5
430	IEEE Access Special Section Editorial: The Internet of Energy: Architectures, Cyber Security, and Applications. IEEE Access, 2018, 6, 79272-79275.	4.2	5
431	Poster Abstract: C-Continuum: Edge-to-Cloud computing for distributed AI. , 2019, , .		5
432	Service Demand Prediction with Incomplete Historical Data. , 2019, , .		5

#	Article	IF	Citations
433	Guest Editorial Special Section on AI-Driven Developments in 5G-Envisioned Industrial Automation: Big Data Perspective. IEEE Transactions on Industrial Informatics, 2020, 16, 1291-1295.	11.3	5
434	Conservative Novelty Synthesizing Network for Malware Recognition in an Open-Set Scenario. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 662-676.	11.3	5
435	Bridge the Trustworthiness Gap amongst Multiple Domains: A Practical Blockchain-based Approach. , 2020, , .		5
436	Pedagogical Data Federation toward Education 4.0. , 2020, , .		5
437	Offloading Federated Learning Task to Edge Computing with Trust Execution Environment. , 2020, , .		5
438	Dynamic Resource Allocation for Hierarchical Federated Learning. , 2020, , .		5
439	Autonomous Rate Control for Mobile Internet of Things: A Deep Reinforcement Learning Approach. , 2020, , .		5
440	Minimum-energy multicast routing in static wireless ad hoc networks. , 0, , .		4
441	A Constraint Formulation for Minimum-Energy Multicast Routing in Wireless Multihop Ad-hoc Networks. Wireless Networks, 2006, 12, 23-32.	3.0	4
442	I-Cache Tag Reduction for Low Power Chip Multiprocessor. , 2009, , .		4
443	Energy Minimization on Thread-Level Speculation in Multicore Systems. , 2010, , .		4
444	Performance evaluation of network coding in disruption tolerant networks. , 2010, , .		4
445	Programmable wireless sensor node featuring low-power FPGA and microcontroller. , 2013, , .		4
446	Delay minimization by exploring full-duplex capacity and relay-based cooperative scheduling in WLANs. Journal of Network and Computer Applications, 2014, 46, 407-417.	9.1	4
447	On the Multicast Lifetime of WANETs with Multibeam Antennas: Formulation, Algorithms, and Analysis. IEEE Transactions on Computers, 2014, , 1-1.	3.4	4
448	Approximately Truthful Mechanisms for Radio Spectrum Allocation. IEEE Transactions on Vehicular Technology, 2015, 64, 2615-2626.	6.3	4
449	Fault-Tolerant Visual Secret Sharing Schemes without Pixel Expansion. Applied Sciences (Switzerland), 2016, 6, 18.	2.5	4
450	Green Communications and Computing Networks. IEEE Communications Magazine, 2016, 54, 134-135.	6.1	4

#	Article	IF	Citations
451	Spatial Angular Spectrum Sensing for Non-Geostationary Satellite Systems. , 2018, , .		4
452	Emergency Networks and Future Public Safety Systems. Wireless Communications and Mobile Computing, 2019, 2019, 1-2.	1.2	4
453	Canary: Decentralized Distributed Deep Learning Via Gradient Sketch and Partition in Multi-Interface Networks. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 900-917.	5.6	4
454	Intermittent Pulling with Local Compensation for Communication-Efficient Distributed Learning. IEEE Transactions on Emerging Topics in Computing, 2021, , 1-1.	4.6	4
455	A Lightweight Integrity Authentication Approach for RFID-enabled Supply Chains. , 2021, , .		4
456	Towards Efficient Inference: Adaptively Cooperate in Heterogeneous IoT Edge Cluster. , 2021, , .		4
457	Joint optimization of energy consumption and antenna orientation for multicasting in static ad hoc wireless networks. IEEE Transactions on Wireless Communications, 2006, 5, 2563-2568.	9.2	3
458	A Distributed Minimum Energy Multicast Algorithm in MANETs. , 0, , .		3
459	An efficient and scalable key distribution mechanism for hierarchical wireless sensor networks. , 2009, , .		3
460	Distributed Approximation Algorithms for Longest-Lived Multicast in WANETs with Directional Antennas. IEEE Transactions on Wireless Communications, 2010, 9, 2227-2237.	9.2	3
461	IF-THEN in the Internet of Things. , 2011, , .		3
462	A measurement-based study on user management in private BitTorrent communities. Concurrency Computation Practice and Experience, 2013, 25, 2052-2066.	2.2	3
463	ANTS: Pushing the rapid event notification in wireless sensor and actor networks. , 2013, , .		3
464	Delay minimization for reliable data collection on overhead transmission lines in smart grid. , 2013, , .		3
465	Stochastic analysis on epidemic dissemination of lifetime-controlled messages in DTNs. , 2013, , .		3
466	QoS-Aware Task Placement in Geo-distributed Data Centers with Low OPEX Using Dynamic Frequency Scaling. , 2013, , .		3
467	Crowdsourcing on mobile cloud: Cost minimization of joint data acquisition and processing. , 2014, , .		3
468	DASN. , 2014, , .		3

#	Article	IF	Citations
469	Delay and Capacity Analysis in MANETs with Correlated Mobility and ‹formula formulatype="inline"›‹tex Notation="TeX"›${f}$‹/tex› ‹mathgraphic graphicformat="GIF" fileref="guo-ieq1-2298014.gif"/›‹/formula›-Cast Relay. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2829-2839.	5.6	3
470	Quantitative analysis of MTTF of composite web services. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2014, 37, 506-516.	1.1	3
471	Trajectory and Data Planning for Mobile Relay to Enable Efficient Internet Access after Disasters. , 2014, , .		3
472	A General Communication Cost Optimization Framework for Big Data Stream Processing in Geo-Distributed Data Centers. Wireless Networks, 2015, , 79-100.	0.5	3
473	Reply to Cao and Zhang: Tightening nonfossil emissions alone is inefficient for PM2.5 mitigation in China. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1403-E1403.	7.1	3
474	Demand-Addressable Sensor Network: Toward Large-Scale Active Information Acquisition. IEEE Sensors Journal, 2016, 16, 7421-7432.	4.7	3
475	Big data for networking [Guest Editorial]. IEEE Network, 2016, 30, 4-5.	6.9	3
476	Robust Secure Beamforming for Cognitive Satellite Terrestrial Networks at Millimeter-Wave Frequency. , 2017, , .		3
477	Green Communications and Computing Networks. , 2017, 55, 12-13.		3
478	IEEE Access Special Section Editorial: The Internet of Energy: Architectures, Cyber Security, and Applicationsâ€"Part II. IEEE Access, 2018, 6, 79276-79279.	4.2	3
479	Resource Allocation of Multibeam Communication Satellite Systems in Sparse Networks. , 2019, , .		3
480	AMS-SFE: Towards an Alignment of Manifold Structures via Semantic Feature Expansion for Zero-shot Learning. , 2019, , .		3
481	An Intelligent Approach to Energy Efficient Transportation and QoS Routing. , 2019, , .		3
482	Editorial: Big Data and Cyber-Physical-Social Computing. Mobile Networks and Applications, 2019, 24, 1346-1347.	3.3	3
483	Disclosing and Locating Concurrency Bugs of Interrupt-Driven IoT Programs. IEEE Internet of Things Journal, 2019, 6, 8945-8957.	8.7	3
484	Privacy-preserving Payment Channel Networks using Trusted Execution Environment. , 2020, , .		3
485	Proactive Link Adaptation for Marine Internet of Things in TV White Space. , 2020, , .		3
486	Data Mining for Transportation Mode Recognition from Radio-data. , 2021, , .		3

#	Article	IF	Citations
487	Convergence of Edge Computing and Next Generation Networking. Peer-to-Peer Networking and Applications, 2021, 14, 3891-3894.	3.9	3
488	A Comprehensive Inspection of the Straggler Problem. Computer, 2021, 54, 4-5.	1.1	3
489	Workload-Aware Caching Policy for Information-Centric Networking. IEICE Transactions on Communications, 2014, E97.B, 2157-2166.	0.7	3
490	Proteomic analysis of the effects of simulated microgravity in human gastric mucosal cells. Life Sciences in Space Research, 2022, 32, 26-37.	2.3	3
491	Petrel: Community-aware Synchronous Parallel for Heterogeneous Parameter Server. , 2020, , .		3
492	Efficient and Secure Deep Learning Inference in Trusted Processor Enabled Edge Clouds. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 4311-4325.	5.6	3
493	Improving Scalability for Longest-lived Multicast Using Localized Operations in WANETs. , 2007, , .		2
494	A Trade-Off Approach to Optimal Resource Allocation Algorithm with Cache Technology in Ubiquitous Computing Environment. , 2009, , .		2
495	A framework for the multicast lifetime maximization problem in energy-constrained wireless ad-hoc networks. Wireless Networks, 2009, 15, 313-329.	3.0	2
496	A probabilistic-approach based resource allocation algorithm in pervasive computing systems. , 2010, , .		2
497	Balanced Bipartite Graph Based Register Allocation for Network Processors in Mobile and Wireless Networks. Mobile Information Systems, 2010, 6, 65-83.	0.6	2
498	An energy aware MAC protocol for Wireless Personal Area Networks. , 2010, , .		2
499	Energy Efficiency of a Multi-Core Processor by Tag Reduction. Journal of Computer Science and Technology, 2011, 26, 491-503.	1.5	2
500	QoS-Aware Service Redeployment in Cloud. , 2011, , .		2
501	A pipeline-based approach for long transaction processing in web service environments. International Journal of Web and Grid Services, 2011, 7, 190.	0.5	2
502	All-to-all throughput maximization in wireless relay networks with multiple packet reception. , 2012, , .		2
503	Neighbor Similarity Trust against Sybil Attack in P2P E-commerce. , 2012, , .		2
504	Stochastic modeling and analysis of opportunistic computing in intermittent mobile cloud. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
505	Special Issue on Cyber-Physical Systems (CPS)â€"Part I. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 6-9.	4.6	2
506	Special issue on cyber-physical systems. International Journal of Parallel, Emergent and Distributed Systems, 2014, 29, 213-214.	1.0	2
507	Latency-optimized broadcast in mobile ad hoc networks without node coordination. , 2014, , .		2
508	Deactivation-controlled epidemic routing in disruption tolerant networks with multiple sinks. , 2014, , .		2
509	Maximizing Lifetime of Data-Gathering Trees with Different Aggregation Modes in WSNs. , 2015, , .		2
510	Guest Editorial Special Issue on Large-Scale Internet of Things. IEEE Internet of Things Journal, 2016, 3, 439-440.	8.7	2
511	A reliable task assignment strategy for spatial crowdsourcing in big data environment. , 2017, , .		2
512	Energy Management of Data Centers Powered by Fuel Cells and Heterogeneous Energy Storage. , 2018, , .		2
513	Dual: Deploy stateful virtual network function chains by jointly allocating data-control traffic. Computer Networks, 2019, 162, 106868.	5.1	2
514	Efficient Rate Adaptation for 802.11af TVWS Vehicular Access via Deep Learning. , 2019, , .		2
515	ESP-VDCE: Energy, SLA, and Price-driven Virtual Data Center Embedding. , 2020, , .		2
516	Spatial-Temporal Learning-Based Artificial Intelligence for IT Operations in the Edge Network. IEEE Network, 2021, 35, 197-203.	6.9	2
517	Revisiting Double-Spending Attacks on the Bitcoin Blockchain: New Findings. , 2021, , .		2
518	Heterogeneity-Aware Gradient Coding for Tolerating and Leveraging Stragglers. IEEE Transactions on Computers, 2022, 71, 779-794.	3.4	2
519	A Game-based Network Slicing and Resource Scheduling for Compute First Networking. , 2020, , .		2
520	Collaborative Machine Learning: Schemes, Robustness, and Privacy. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9625-9642.	11.3	2
521	Bandwidth allocation in wireless ad-hoc networks with minimum-energy consumption. , 0, , .		1
522	On upper bound and heuristics for multicast lifetime maximization using dynamic routing in energy-limited wireless ad hoc networks. , 2005, , .		1

#	ARTICLE	IF	CITATIONS
523	Performance Analysis of Heuristic Algorithms for Lifetime-Aware Directional Multicasting in Wireless Ad Hoc Networks. , 2008, , .		1
524	Communication Complexity Evaluation for Longest-Lived Directional Multicasting in WANETs. , 2008, , .		1
525	A Secure and Scalable Rekeying Mechanism for Hierarchical Wireless Sensor Networks. IEICE Transactions on Information and Systems, 2010, E93-D, 421-429.	0.7	1
526	A general energy optimization model for wireless networks using configurable antennas. , 2010, , .		1
527	Towards Context-Aware Ubiquitous Transaction Processing: A Model and Algorithm. , 2011, , .		1
528	Delay and Capacity Trade-offs in Mobile Wireless Networks with Infrastructure Support. Journal of Computer Science and Technology, 2012, 27, 328-340.	1.5	1
529	Special Issue on Cyber-Physical Systems (CPS)â€"Part II. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 203-206.	4.6	1
530	Towards Latency-Aware Data Acquisition in Wireless Sensor Network. , 2014, , .		1
531	Modeling content acquisition in two-dimensional content-centric MANETs. , 2014, , .		1
532	Type-aware task placement in geo-distributed data centers with low OPEX using data center resizing. , 2014, , .		1
533	Efficient privacy-preserving multicast in cloud data centers. , 2014, , .		1
534	A high throughput K-best detector on FPGA. , 2014, , .		1
535	Energy Minimization for Cellular Network Interfaces with Dynamic Link Quality. , 2015, , .		1
536	Guest Editorial: Special Issue of <i>IEEE Transactions on Emerging Topics in Computing</i> on Emerging Mobile and Ubiquitous Systems Partâ€"II. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 305-306.	4.6	1
537	Multi-flow oriented packets scheduling in OpenFlow enabled networks. , 2015, , .		1
538	Energy-Aware Cost-Effective Cooperative Mobile Streaming on Smartphones over Hybrid Wireless Networks. , 2015, , .		1
539	Traffic-aware task placement with guaranteed job completion time for geo-distributed big data. , 2017, , .		1
540	Optimal Satellite Scheduling with Critical Node Analysis. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
541	Guest Editorial Advances in Satellite Communications—Part 1. IEEE Journal on Selected Areas in Communications, 2018, 36, 217-220.	14.0	1
542	An Efficient Method for Optimizing PETSc on the Sunway TaihuLight System. , 2018, , .		1
543	Green Communications and Computing Networks. , 2018, 56, 138-139.		1
544	EE-AE: An Exclusivity Enhanced Unsupervised Feature Learning Approach. , 2019, , .		1
545	Guest Editorial: Special Issue on Human-Centric Cyber Social Computing. IEEE Transactions on Computational Social Systems, 2019, 6, 1038-1041.	4.4	1
546	Analyzing and Disentangling Interleaved Interrupt-Driven IoT Programs. IEEE Internet of Things Journal, 2019, 6, 5376-5386.	8.7	1
547	Enhanced Irregular Repetition Slotted ALOHA with Degree Distribution Adjustment in Satellite Network. , 2019, , .		1
548	A Queueing Analysis of the Opportunistic Vehicle-to-Vehicle Communication. , 2019, , .		1
549	Guest Editor's Introduction: Special Section on Emerging Technologies for Disaster Management. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 104-105.	4.6	1
550	Editorial: 5G Wireless Communication Systems and Advanced Image Processing. Mobile Networks and Applications, 2021, 26, 1169-1171.	3.3	1
551	No Wait, No Waste: A Novel and Efficient Coordination Algorithm for Multiple readers in RFID Systems. , 2021, , .		1
552	<i>run</i>Data: Re-distributing Data via Piggybacking for Geo-distributed Data Analytics over Edges. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	5.6	1
553	The Design and Evaluation of a Selective Way Based Trace Cache. Lecture Notes in Computer Science, 2009, , 95-109.	1.3	1
554	A robust pair-wise rekeying protocol in hierarchical wireless sensor networks. , 2009, , .		1
555	The Core Degree Based Tag Reduction on Chip Multiprocessor to Balance Energy Saving and Performance Overhead. Lecture Notes in Computer Science, 2010, , 358-372.	1.3	1
556	A Remote Mutual Situation-Aware Model by Detecting Entrance and Exit Behaviors in Smart Home. Lecture Notes in Electrical Engineering, 2012, , 179-187.	0.4	1
557	Minimum-energy broadcast routing in wireless multi-hop networks. , 0, , .		0
558	A topic-specific data filtering framework based on rough set theory. , 0, , .		0

#	Article	IF	Citations
559	An optimal TDMA-based MAC scheduling for the minimum energy multicast in wireless ad hoc networks. , 0, , .		0
560	Improving energy efficiency for multicasting in wireless ad-hoc networks with adaptive antennas. , 0, , .		0
561	A Distributed Min-Max Tree Algorithm for Maximum-Lifetime Multicast in Resource-limited Wireless Ad Hoc Networks. , 2006, , .		0
562	A linear message distributed multicast algorithm with guaranteed directional communication lifetime in WANETs. , 2008, , .		0
563	An Improved Design of the Ubiquitous Learning System Based on Sensor Networks. , 2008, , .		0
564	A Message Complexity Oriented Design of Distributed Algorithm for Long-Lived Multicasting in Wireless Sensor Networks. , 2008, , .		0
565	A tradeoff analysis on message complexity and lifetime optimality for a distributed multicast algorithm in WSNs. , 2008, , .		0
566	Lifetime Approximation Schemes Allow Multicast Algorithm with Linear Message Complexity in Wireless Sensor Networks. , 2008, , .		0
567	An Accurate and Energy Efficient Fetch Direction Orientation Mechanism for Trace Cache. , 2009, , .		0
568	Key re-establishment protocols in hierarchical wireless sensor networks. , 2009, , .		0
569	A Realistic Interference Model in Ad Hoc Networks. , 2009, , .		0
570	Context-Aware Multimedia Processing System in a Pervasive Environment. , 2009, , .		0
571	Tier-Based Scalable and Secure Routing for Wireless Sensor Networks with Mobile Sinks. IEICE Transactions on Information and Systems, 2010, E93-D, 458-465.	0.7	0
572	Exact and performanceâ€guaranteed multicast algorithms for lifetime optimization in WANETs. Networks, 2010, 55, 287-297.	2.7	0
573	A Permutation-Based Multi-Polynomial Scheme for Pairwise Key Establishment in Sensor Networks. , 2010, , .		0
574	Exploring the Limits of Tag Reduction for Energy Saving on a Multi-core Processor. , 2010, , .		0
575	GridTDK: A Grid Transaction Development Kit. , 2010, , .		0
576	Multicast Lifetime Maximization Using Network Coding in Lossy Wireless Ad Hoc Networks. , 2011, , .		0

#	Article	IF	Citations
577	Improving content availability by request-adaptive incentive in private peer-to-peer communities. , 2012, , .		0
578	An efficient and scalable ubiquitous storage scheme for delay-sensitive IT applications. Journal of Intelligent Manufacturing, 2012, 23, 955-963.	7.3	0
579	Interference cancellation and rate maximization in full-duplex cooperative communications. , 2013, , .		0
580	Three new uncertainty bound methods of Karnik-Mendel algorithms. , 2013, , .		0
581	Joint optimization of transmission scheduling and relay assignment for cooperative communications. , 2013, , .		0
582	Study on the Music Rhythm Iambs Relationship Modeling Method. Applied Mechanics and Materials, 0, 513-517, 2012-2015.	0.2	0
583	Delay minimization by optimizing antenna allocation in SIMO system. , 2014, , .		0
584	An approximately strategy-proof mechanism for radio spectrum allocation. , 2014, , .		0
585	On-Time Warning Delivery for Vehicular Ad Hoc Networks. Computer, 2014, 47, 6-6.	1.1	0
586	Maximizing Lifetime of Data-Gathering Trees with Different Aggregation Modes in WSNs. , 2014, , .		0
587	Special Issue of the IEEE Transactions on Emerging Topics in Computing on Emerging Mobile and Ubiquitous Systems Part I. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 5-7.	4.6	0
588	Towards Shift Tolerant Visual Secret Sharing Schemes without Pixel Expansion. MATEC Web of Conferences, 2016, 71, 01002.	0.2	0
589	Software-Defined Data Shuffling for Big Data Jobs with Task Duplication. , 2016, , .		0
590	Green Communications and Computing Networks. , 2017, 55, 160-161.		0
591	Selective Traffic Offloading on the Fly: A Machine Learning Approach. , 2017, , .		0
592	Editorial for Special Issue on Social Computing. Mobile Networks and Applications, 2017, 22, 151-152.	3.3	0
593	Green C-RAN: A Joint Approach to the Design and Energy Optimization. , 2017, , .		0
594	A fast offset phase calibration method. , 2017, , .		0

#	Article	IF	Citations
595	Guest editorial: Special issue on big data networking. Peer-to-Peer Networking and Applications, 2018, 11, 989-991.	3.9	0
596	Advances in Satellite Communications Part 2: Guest Editorial. IEEE Journal on Selected Areas in Communications, 2018, 36, 967-970.	14.0	0
597	Guest editorial: special issue on big data for effective disaster management (In Memorial of Tao Li). World Wide Web, 2019, 22, 1889-1891.	4.0	0
598	Topology-Aware Job Scheduling for Machine Learning Cluster. , 2019, , .		0
599	Multi-Path Routing Oriented Flow Statistics Collection in Software Defined Networks. , 2019, , .		0
600	EIC Editorial. IEEE Open Journal of the Computer Society, 2021, 2, 1-2.	7.8	0
601	IEEE Access Special Section Editorial: Emerging Trends of Energy and Spectrum Harvesting Technologies. IEEE Access, 2021, 9, 117673-117678.	4.2	0
602	MSCPT: Toward Cross-Place Transportation Mode Recognition Based on Multi-Sensor Neural Network Model. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12588-12600.	8.0	0
603	Incentive-Driven Long-term Optimization for Edge Learning by Hierarchical Reinforcement Mechanism. , 2021, , .		0
604	Impact of Microgravity on the Skin and the Process of Wound Healing. Microgravity Science and Technology, 2021, 33, 1.	1.4	0
605	A Performance Guaranteed Distributed Multicast Algorithm for Long-Lived Directional Communications in WANETs. Lecture Notes in Computer Science, 2008, , 439-450.	1.3	0
606	A Scalable Multiprocessor Architecture for Pervasive Computing. Lecture Notes in Computer Science, 2011, , 42-51.	1.3	0
607	Energy Efficiency of Cooperative Device-to-Device Communication. SpringerBriefs in Computer Science, 2014, , 41-59.	0.2	0
608	Cloud Networking. Wireless Networks, 2015, , 33-56.	0.5	0
609	Enhanced Passcode Recognition Based on Press Force and Time Interval. Lecture Notes in Computer Science, 2018, , 315-323.	1.3	0
610	Data-Driven Service Provisioning. , 2019, , 1-5.		0
611	Software Defined Communication. SpringerBriefs in Computer Science, 2020, , 37-56.	0.2	0
612	Software Defined Sensing. SpringerBriefs in Computer Science, 2020, , 17-35.	0.2	0

#	Article	IF	Citations
613	Software Defined Networking I: SDN. SpringerBriefs in Computer Science, 2020, , 57-76.	0.2	0
614	Learning-Based Network Boolean Tomography for Identifying Congested Links with Correlations. , 2020, , .		0
615	Integrity Measurement Based on TEE Virtualization Architecture. , 2020, , .		0
616	Smartphone Based Emergency Communication. , 2020, , 131-147.		0
617	Data-Driven Service Provisioning. , 2020, , 308-312.		0
618	A Solution for High Availability Memory Access. Lecture Notes in Computer Science, 2020, , 122-137.	1.3	0
619	Knowledge-Based Networking. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 0, , 232-259.	0.5	0