

Song Guo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2313515/publications.pdf>

Version: 2024-02-01

619
papers

23,076
citations

12330

69
h-index

15266

126
g-index

628
all docs

628
docs citations

628
times ranked

18317
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Collaborative Machine Learning: Schemes, Robustness, and Privacy. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9625-9642.	11.3	2
3	Mean-Field Learning for Edge Computing in Mobile Blockchain Networks. IEEE Transactions on Mobile Computing, 2023, 22, 5978-5994.	5.8	18
4	Efficient Trustworthiness Management for Malicious User Detection in Big Data Collection. IEEE Transactions on Big Data, 2022, 8, 99-112.	6.1	15
5	Cloud Computing Assisted Blockchain-Enabled Internet of Things. IEEE Transactions on Cloud Computing, 2022, 10, 247-257.	4.4	61
6	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
7	Imitation Learning Enabled Task Scheduling for Online Vehicular Edge Computing. IEEE Transactions on Mobile Computing, 2022, 21, 598-611.	5.8	104
8	Adaptive Federated Learning on Non-IID Data With Resource Constraint. IEEE Transactions on Computers, 2022, 71, 1655-1667.	3.4	36
9	Partial Synchronization to Accelerate Federated Learning Over Relay-Assisted Edge Networks. IEEE Transactions on Mobile Computing, 2022, 21, 4502-4516.	5.8	17
10	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
11	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
12	L4L: Experience-Driven Computational Resource Control in Federated Learning. IEEE Transactions on Computers, 2022, 71, 971-983.	3.4	11
13	LTSM: Lightweight and Trusted Sharing Mechanism of IoT Data in Smart City. IEEE Internet of Things Journal, 2022, 9, 5080-5093.	8.7	14
14	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
15	A Survey of State-of-the-Art on Blockchains. ACM Computing Surveys, 2022, 54, 1-42.	23.0	68
16	Edge Learning. ACM Computing Surveys, 2022, 54, 1-36.	23.0	10
17	Heterogeneity-Aware Gradient Coding for Tolerating and Leveraging Stragglers. IEEE Transactions on Computers, 2022, 71, 779-794.	3.4	2
18	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

#	ARTICLE	IF	CITATIONS
19	Proteomic analysis of the effects of simulated microgravity in human gastric mucosal cells. <i>Life Sciences in Space Research</i> , 2022, 32, 26-37.	2.3	3
20	Online Learning for Distributed Computation Offloading in Wireless Powered Mobile Edge Computing Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2022, 33, 1841-1855.	5.6	32
21	Elastic Resource Allocation Against Imbalanced Transaction Assignments in Sharding-Based Permissioned Blockchains. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2022, 33, 2372-2385.	5.6	23
22	A Survey of Intelligent Network Slicing Management for Industrial IoT: Integrated Approaches for Smart Transportation, Smart Energy, and Smart Factory. <i>IEEE Communications Surveys and Tutorials</i> , 2022, 24, 1175-1211.	39.4	88
23	SDN-Based Resource Allocation in Edge and Cloud Computing Systems: An Evolutionary Stackelberg Differential Game Approach. <i>IEEE/ACM Transactions on Networking</i> , 2022, 30, 1613-1628.	3.8	32
24	BrokerChain: A Cross-Shard Blockchain Protocol for Account/Balance-based State Sharding. , 2022, , .		43
25	Multi-Agent Reinforcement Learning Aided Computation Offloading in Aerial Computing for the Internet-of-Things. <i>IEEE Transactions on Services Computing</i> , 2022, , 1-12.	4.6	11
26	Efficient and Secure Deep Learning Inference in Trusted Processor Enabled Edge Clouds. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2022, 33, 4311-4325.	5.6	3
27	Maximizing Throughput of Delay-Sensitive NFV-Enabled Request Admissions via Virtualized Network Function Placement. <i>IEEE Transactions on Cloud Computing</i> , 2021, 9, 1535-1548.	4.4	21
28	Cache-Assisted Content Delivery in Wireless Networks: A New Game Theoretic Model. <i>IEEE Systems Journal</i> , 2021, 15, 2653-2664.	4.6	8
29	Falcon: Addressing Stragglers in Heterogeneous Parameter Server Via Multiple Parallelism. <i>IEEE Transactions on Computers</i> , 2021, 70, 139-155.	3.4	23
30	Networking Integrated Cloudâ€œEdgeâ€œEnd in IoT: A Blockchain-Assisted Collective <i>Q</i>-Learning Approach. <i>IEEE Internet of Things Journal</i> , 2021, 8, 12694-12704.	8.7	67
31	RDAM: A Reinforcement Learning Based Dynamic Attribute Matrix Representation for Virtual Network Embedding. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2021, 9, 901-914.	4.6	35
32	Accurate Respiration Monitoring for Mobile Users With Commercial RFID Devices. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 513-525.	14.0	34
33	Fast and Reliable Dynamic Tag Estimation in Large-Scale RFID Systems. <i>IEEE Internet of Things Journal</i> , 2021, 8, 1651-1661.	8.7	12
34	Multi-Agent Imitation Learning for Pervasive Edge Computing: A Decentralized Computation Offloading Algorithm. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021, 32, 411-425.	5.6	86
35	Canary: Decentralized Distributed Deep Learning Via Gradient Sketch and Partition in Multi-Interface Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021, 32, 900-917.	5.6	4
36	Spatial-Temporal Learning-Based Artificial Intelligence for IT Operations in the Edge Network. <i>IEEE Network</i> , 2021, 35, 197-203.	6.9	2

#	ARTICLE	IF	CITATIONS
37	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
38	Intermittent Pulling with Local Compensation for Communication-Efficient Distributed Learning. IEEE Transactions on Emerging Topics in Computing, 2021, , 1-1.	4.6	4
39	SDN-NFV-Aided Edge-Cloud Interplay for 5G-Envisioned Energy Internet Ecosystem. IEEE Network, 2021, 35, 356-364.	6.9	8
40	EIC Editorial. IEEE Open Journal of the Computer Society, 2021, 2, 1-2.	7.8	0
41	Service Provisioning for UAV-Enabled Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2021, 39, 3287-3305.	14.0	42
42	A Survey of Incentive Mechanism Design for Federated Learning. IEEE Transactions on Emerging Topics in Computing, 2021, , 1-1.	4.6	76
43	Editorial: 5G Wireless Communication Systems and Advanced Image Processing. Mobile Networks and Applications, 2021, 26, 1169-1171.	3.3	1
44	Pyramid: A Layered Sharding Blockchain System. , 2021, , .		53
45	A Lightweight Integrity Authentication Approach for RFID-enabled Supply Chains. , 2021, , .		4
46	Exploring Layered Container Structure for Cost Efficient Microservice Deployment. , 2021, , .		12
47	Petrel: Heterogeneity-Aware Distributed Deep Learning Via Hybrid Synchronization. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1030-1043.	5.6	17
48	Revisiting Double-Spending Attacks on the Bitcoin Blockchain: New Findings. , 2021, , .		2
49	Autophagy in Gastric Mucosa: The Dual Role and Potential Therapeutic Target. BioMed Research International, 2021, 2021, 1-8.	1.9	13
50	No Wait, No Waste: A Novel and Efficient Coordination Algorithm for Multiple readers in RFID Systems. , 2021, , .		1
51	Distributed and Dynamic Service Placement in Pervasive Edge Computing Networks. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1277-1292.	5.6	85
52	Incentive Mechanism Design for Federated Learning: Challenges and Opportunities. IEEE Network, 2021, 35, 310-317.	6.9	20
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Data Mining for Transportation Mode Recognition from Radio-data. , 2021, , .		3
58	Convergence of Edge Computing and Next Generation Networking. Peer-to-Peer Networking and Applications, 2021, 14, 3891-3894.	3.9	3
59	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
60	A Comprehensive Inspection of the Straggler Problem. Computer, 2021, 54, 4-5.	1.1	3
61	In-Network Computing Powered Mobile Edge: Toward High Performance Industrial IoT. IEEE Network, 2021, 35, 289-295.	6.9	33
62	IEEE Access Special Section Editorial: Emerging Trends of Energy and Spectrum Harvesting Technologies. IEEE Access, 2021, 9, 117673-117678.	4.2	0
63	<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
64	Incentive-Driven Long-term Optimization for Edge Learning by Hierarchical Reinforcement Mechanism. , 2021, , .		0
65	MVCom: Scheduling Most Valuable Committees for the Large-Scale Sharded Blockchain. , 2021, , .		7
66	Towards Efficient Inference: Adaptively Cooperate in Heterogeneous IoT Edge Cluster. , 2021, , .		4
67	Impact of Microgravity on the Skin and the Process of Wound Healing. Microgravity Science and Technology, 2021, 33, 1.	1.4	0
68	Empowering Edge Intelligence by Air-Ground Integrated Federated Learning. IEEE Network, 2021, 35, 34-41.	6.9	26
69	Decentralized Federated Learning for UAV Networks: Architecture, Challenges, and Opportunities. IEEE Network, 2021, 35, 156-162.	6.9	23
70	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
71	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
72	Near-Optimal Deployment of Service Chains by Exploiting Correlations Between Network Functions. IEEE Transactions on Cloud Computing, 2020, 8, 585-596.	4.4	18

#	ARTICLE	IF	CITATIONS
73	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
74	Posted Pricing for Chance Constrained Robust Crowdsensing. IEEE Transactions on Mobile Computing, 2020, 19, 188-199.	5.8	28
75	Cooperative Caching for Multiple Bitrate Videos in Small Cell Edges. IEEE Transactions on Mobile Computing, 2020, 19, 288-299.	5.8	26
76	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
77	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
78	Deep Learning for Physical-Layer 5G Wireless Techniques: Opportunities, Challenges and Solutions. IEEE Wireless Communications, 2020, 27, 214-222.	9.0	261
79	Coflow-Like Online Data Acquisition from Low-Earth-Orbit Datacenters. IEEE Transactions on Mobile Computing, 2020, 19, 2743-2760.	5.8	16
80	Blockchain Meets Edge Computing: A Distributed and Trusted Authentication System. IEEE Transactions on Industrial Informatics, 2020, 16, 1972-1983.	11.3	207
81	Optimal Connected Cruise Control With Arbitrary Communication Delays. IEEE Systems Journal, 2020, 14, 2913-2924.	4.6	25
82	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
83	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
84	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
85	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
86	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
87	PIRATE: A Blockchain-Based Secure Framework of Distributed Machine Learning in 5G Networks. IEEE Network, 2020, 34, 84-91.	6.9	52
88	Experience-Driven Computational Resource Allocation of Federated Learning by Deep Reinforcement Learning. , 2020, , .		71
89	Privacy-preserving Payment Channel Networks using Trusted Execution Environment. , 2020, , .		3
90	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

#	ARTICLE	IF	CITATIONS
91	Proactive Link Adaptation for Marine Internet of Things in TV White Space. , 2020, , .		3
92	Edge QoE: Intelligent Big Data Caching via Deep Reinforcement Learning. IEEE Network, 2020, 34, 8-13.	6.9	11
93	ESP-VDCE: Energy, SLA, and Price-driven Virtual Data Center Embedding. , 2020, , .		2
94	Surveillance Plane Aided Air-Ground Integrated Vehicular Networks: Architectures, Applications, and Potential. IEEE Wireless Communications, 2020, 27, 122-128.	9.0	19
95	A Learning-Based Approach to Intra-Domain QoS Routing. IEEE Transactions on Vehicular Technology, 2020, 69, 6718-6730.	6.3	22
96	QoE-Based Cooperative Task Offloading with Deep Reinforcement Learning in Mobile Edge Networks. IEEE Wireless Communications, 2020, 27, 111-117.	9.0	27
97	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
98	Big Data and Emergency Management: Concepts, Methodologies, and Applications. IEEE Transactions on Big Data, 2020, , 1-1.	6.1	18
99	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
100	Spacechain: A Three-Dimensional Blockchain Architecture for IoT Security. IEEE Wireless Communications, 2020, 27, 38-45.	9.0	33
101	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
102	Simulated microgravity significantly altered metabolism in epidermal stem cells. In Vitro Cellular and Developmental Biology - Animal, 2020, 56, 200-212.	1.5	14
103	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
104	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
105	Mobility-Aware and Delay-Sensitive Service Provisioning in Mobile Edge-Cloud Networks. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	42
106	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
107	A Learning-Based Incentive Mechanism for Federated Learning. IEEE Internet of Things Journal, 2020, 7, 6360-6368.	8.7	307
108	A Cyclic Game for Service-Oriented Resource Allocation in Edge Computing. IEEE Transactions on Services Computing, 2020, 13, 723-734.	4.6	13

#	ARTICLE	IF	CITATIONS
109	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
110	Machine Fault Detection for Intelligent Self-Driving Networks. IEEE Communications Magazine, 2020, 58, 40-46.	6.1	22
111	A Deep Reinforcement Learning Based Offloading Game in Edge Computing. IEEE Transactions on Computers, 2020, 69, 883-893.	3.4	126
112	Augmenting Drive-Thru Internet via Reinforcement Learning-Based Rate Adaptation. IEEE Internet of Things Journal, 2020, 7, 3114-3123.	8.7	8
113	Big Data Analytics by CrowdLearning: Architecture and Mechanism Design. IEEE Network, 2020, 34, 143-147.	6.9	19
114	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
115	Cross-Cloud MapReduce for Big Data. IEEE Transactions on Cloud Computing, 2020, 8, 375-386.	4.4	25
116	A Game-based Network Slicing and Resource Scheduling for Compute First Networking. , 2020, , .		2
117	Bridge the Trustworthiness Gap amongst Multiple Domains: A Practical Blockchain-based Approach. , 2020, , .		5
118	Effect of simulated microgravity on metabolism of HGCâ€™27 gastric cancer cells. Oncology Letters, 2020, 19, 3439-3450.	1.8	12
119	Software Defined Communication. SpringerBriefs in Computer Science, 2020, , 37-56.	0.2	0
120	Software Defined Sensing. SpringerBriefs in Computer Science, 2020, , 17-35.	0.2	0
121	Software Defined Networking I: SDN. SpringerBriefs in Computer Science, 2020, , 57-76.	0.2	0
122	Towards Real-time Cooperative Deep Inference over the Cloud and Edge End Devices. , 2020, 4, 1-24.		28
123	Pedagogical Data Federation toward Education 4.0. , 2020, , .		5
124	Challenges and Solutions for the Satellite Tracking, Telemetry, and Command System. IEEE Wireless Communications, 2020, 27, 12-18.	9.0	19
125	Learning-Based Network Boolean Tomography for Identifying Congested Links with Correlations. , 2020, , .		0
126	Integrity Measurement Based on TEE Virtualization Architecture. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
127	Offloading Federated Learning Task to Edge Computing with Trust Execution Environment. , 2020, , .		5
128	Dynamic Resource Allocation for Hierarchical Federated Learning. , 2020, , .		5
129	Multi-Agent Actor-Critic Reinforcement Learning based In-network Load Balance. , 2020, , .		9
130	Blockchain-Based Participant Selection for Federated Learning. Communications in Computer and Information Science, 2020, , 112-125.	0.5	9
131	Smartphone Based Emergency Communication. , 2020, , 131-147.		0
132	Data-Driven Service Provisioning. , 2020, , 308-312.		0
133	A Solution for High Availability Memory Access. Lecture Notes in Computer Science, 2020, , 122-137.	1.3	0
134	Why queue up?. , 2020, , .		6
135	Petrel: Community-aware Synchronous Parallel for Heterogeneous Parameter Server. , 2020, , .		3
136	Autonomous Rate Control for Mobile Internet of Things: A Deep Reinforcement Learning Approach. , 2020, , .		5
137	Range-Based Localization for Sparse 3-D Sensor Networks. IEEE Internet of Things Journal, 2019, 6, 753-764.	8.7	60
138	Resource Allocation of Multibeam Communication Satellite Systems in Sparse Networks. , 2019, , .		3
139	Data-Driven Intelligent Future Network: Architecture, Use Cases, and Challenges. IEEE Communications Magazine, 2019, 57, 34-40.	6.1	26
140	Joint Multigroup Precoding and Resource Allocation in Integrated Terrestrial-Satellite Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 8075-8090.	6.3	39
141	Adaptive Adjustment with Semantic Feature Space for Zero-shot Recognition. , 2019, , .		7
142	AMS-SFE: Towards an Alignment of Manifold Structures via Semantic Feature Expansion for Zero-shot Learning. , 2019, , .		3
143	A Q -Learning Based Framework for Congested Link Identification. IEEE Internet of Things Journal, 2019, 6, 9668-9678.	8.7	9
144	Fast Coflow Scheduling via Traffic Compression and Stage Pipelining in Datacenter Networks. IEEE Transactions on Computers, 2019, 68, 1755-1771.	3.4	23

#	ARTICLE	IF	CITATIONS
145	Vital Signs Monitoring with RFID: Opportunities and Challenges. IEEE Network, 2019, 33, 126-132.	6.9	34
146	An Intelligent Approach to Energy Efficient Transportation and QoS Routing. , 2019, , .		3
147	Collaboration of Heterogeneous Unmanned Vehicles for Smart Cities. IEEE Network, 2019, 33, 133-137.	6.9	21
148	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
149	Dual: Deploy stateful virtual network function chains by jointly allocating data-control traffic. Computer Networks, 2019, 162, 106868.	5.1	2
150	Editorial: Big Data and Cyber-Physical-Social Computing. Mobile Networks and Applications, 2019, 24, 1346-1347.	3.3	3
151	Multi-Hop Cooperative Computation Offloading for Industrial IoT-Edge-Cloud Computing Environments. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2759-2774.	5.6	159
152	AI Routers & Network Mind: A Hybrid Machine Learning Paradigm for Packet Routing. IEEE Computational Intelligence Magazine, 2019, 14, 21-30.	3.2	38
153	EE-AE: An Exclusivity Enhanced Unsupervised Feature Learning Approach. , 2019, , .		1
154	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
155	Mobility-Aware Delay-Sensitive Service Provisioning for Mobile Edge Computing. , 2019, , .		11
156	Guest Editorial: Special Issue on Human-Centric Cyber Social Computing. IEEE Transactions on Computational Social Systems, 2019, 6, 1038-1041.	4.4	1
157	OSP. , 2019, , .		19
158	Disclosing and Locating Concurrency Bugs of Interrupt-Driven IoT Programs. IEEE Internet of Things Journal, 2019, 6, 8945-8957.	8.7	3
159	ReActor: Real-time and Accurate Contactless Gesture Recognition with RFID. , 2019, , .		18
160	Emergency Networks and Future Public Safety Systems. Wireless Communications and Mobile Computing, 2019, 2019, 1-2.	1.2	4
161	Energy Minimization of Resource Allocation in Cloud-Based Satellite Communication Networks. IEEE Communications Letters, 2019, 23, 2353-2356.	4.1	9
162	Spectrum Sensing and Recognition in Satellite Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 2502-2516.	6.3	43

#	ARTICLE	IF	CITATIONS
163	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
164	Resource Management at the Network Edge: A Deep Reinforcement Learning Approach. IEEE Network, 2019, 33, 26-33.	6.9	108
165	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
166	A Comprehensive Survey of Blockchain: From Theory to IoT Applications and Beyond. IEEE Internet of Things Journal, 2019, 6, 8114-8154.	8.7	197
167	Trust-Enhanced Content Delivery in Blockchain-Based Information-Centric Networking. IEEE Network, 2019, 33, 183-189.	6.9	36
168	Proactive Failure Recovery for NFV in Distributed Edge Computing. IEEE Communications Magazine, 2019, 57, 131-137.	6.1	35
169	QoS-Aware Cooperative Computation Offloading for Robot Swarms in Cloud Robotics. IEEE Transactions on Vehicular Technology, 2019, 68, 4027-4041.	6.3	54
170	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
171	Influence maximization by leveraging the crowdsensing data in information diffusion network. Journal of Network and Computer Applications, 2019, 136, 11-21.	9.1	7
172	When UAV Swarm Meets Edge-Cloud Computing: The QoS Perspective. IEEE Network, 2019, 33, 36-43.	6.9	123
173	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
174	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
175	Analyzing and Disentangling Interleaved Interrupt-Driven IoT Programs. IEEE Internet of Things Journal, 2019, 6, 5376-5386.	8.7	1
176	Enhanced Irregular Repetition Slotted ALOHA with Degree Distribution Adjustment in Satellite Network. , 2019, , .		1
177	Topology-Aware Job Scheduling for Machine Learning Cluster. , 2019, , .		0
178	Stackelberg Differential Game Based Resource Sharing in Hierarchical Fog-Cloud Computing. , 2019, , .		11
179	Heterogeneity-aware Gradient Coding for Straggler Tolerance. , 2019, , .		17
180	Multi-Path Routing Oriented Flow Statistics Collection in Software Defined Networks. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
181	Falcon: Towards Computation-Parallel Deep Learning in Heterogeneous Parameter Server. , 2019, , .		14
182	Efficient Rate Adaptation for 802.11af TVWS Vehicular Access via Deep Learning. , 2019, , .		2
183	A Queueing Analysis of the Opportunistic Vehicle-to-Vehicle Communication. , 2019, , .		1
184	Poster Abstract: C-Continuum: Edge-to-Cloud computing for distributed AI. , 2019, , .		5
185	When Blockchain-Enabled Internet of Things Meets Cloud Computing. Computer, 2019, 52, 16-17.	1.1	16
186	Deep Reinforcement Learning Based VNF Management in Geo-distributed Edge Computing. , 2019, , .		21
187	Service Demand Prediction with Incomplete Historical Data. , 2019, , .		5
188	A Cyclic Game for Joint Cooperation and Competition of Edge Resource Allocation. , 2019, , .		11
189	A Service-Oriented Permissioned Blockchain for the Internet of Things. IEEE Transactions on Services Computing, 2019, , 1-1.	4.6	30
190	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
191	Secure Wireless Communications Based on Compressive Sensing: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1093-1111.	39.4	51
192	Efficient NFV-Enabled Multicasting in SDNs. IEEE Transactions on Communications, 2019, 67, 2052-2070.	7.8	51
193	Cooperative Transmission in Integrated Terrestrial-Satellite Networks. IEEE Network, 2019, 33, 204-210.	6.9	70
194	Multi-Controller Resource Management for Software-Defined Wireless Networks. IEEE Communications Letters, 2019, 23, 506-509.	4.1	14
195	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
196	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
197	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
198	Enabling Heterogeneous Network Function Chaining. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 842-854.	5.6	15

#	ARTICLE	IF	CITATIONS
199	Privacy-preserving Data Aggregation Computing in Cyber-Physical Social Systems. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-23.	2.5	47
200	Service Chaining for Hybrid Network Function. IEEE Transactions on Cloud Computing, 2019, 7, 1082-1094.	4.4	44
201	Robust Big Data Analytics for Electricity Price Forecasting in the Smart Grid. IEEE Transactions on Big Data, 2019, 5, 34-45.	6.1	129
202	Improving Power Efficiency for Online Video Streaming Service: A Self-Adaptive Approach. IEEE Transactions on Sustainable Computing, 2019, 4, 308-313.	3.1	6
203	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
204	A Differential Privacy-Based Query Model for Sustainable Fog Data Centers. IEEE Transactions on Sustainable Computing, 2019, 4, 145-155.	3.1	36
205	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
206	Data-Driven Service Provisioning. , 2019, , 1-5.		0
207	Converged Network-Cloud Service Composition with End-to-End Performance Guarantee. IEEE Transactions on Cloud Computing, 2018, 6, 545-557.	4.4	18
208	Guest editorial: Special issue on big data networking. Peer-to-Peer Networking and Applications, 2018, 11, 989-991.	3.9	0
209	Envisioned Wireless Big Data Storage for Low-Earth-Orbit Satellite-Based Cloud. IEEE Wireless Communications, 2018, 25, 26-31.	9.0	24
210	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
211	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
212	Temporal Centrality-Balanced Traffic Management for Space Satellite Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4427-4439.	6.3	38
213	Fast Identification of Blocked RFID Tags. IEEE Transactions on Mobile Computing, 2018, 17, 2041-2054.	5.8	25
214	Two-Phase Task Scheduling in Data Relay Satellite Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 1782-1793.	6.3	44
215	Online unicasting and multicasting in software-defined networks. Computer Networks, 2018, 132, 26-39.	5.1	6
216	Guest Editorial Advances in Satellite Communicationsâ€™Part 1. IEEE Journal on Selected Areas in Communications, 2018, 36, 217-220.	14.0	1

#	ARTICLE	IF	CITATIONS
217	<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
218	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
219	CoMan: Managing Bandwidth Across Computing Frameworks in Multiplexed Datacenters. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1013-1029.	5.6	8
220	A survey on sensor placement for contamination detection in water distribution systems. Wireless Networks, 2018, 24, 647-661.	3.0	45
221	Potential of secondary aerosol formation from Chinese gasoline engine exhaust. Journal of Environmental Sciences, 2018, 66, 348-357.	6.1	7
222	Power consumption analysis of video streaming in 4G LTE networks. Wireless Networks, 2018, 24, 3083-3098.	3.0	10
223	A Survey on Energy Internet: Architecture, Approach, and Emerging Technologies. IEEE Systems Journal, 2018, 12, 2403-2416.	4.6	275
224	IEEE Access Special Section Editorial: The Internet of Energy: Architectures, Cyber Security, and Applications. IEEE Access, 2018, 6, 79272-79275.	4.2	5
225	IEEE Access Special Section Editorial: The Internet of Energy: Architectures, Cyber Security, and Applications”Part II. IEEE Access, 2018, 6, 79276-79279.	4.2	3
226	An Efficient Method for Optimizing PETS on the Sunway TaihuLight System. , 2018, , .		1
227	Efficient N ₂ O uptake and NO ₃ oxidation in the outflow of urban Beijing. Atmospheric Chemistry and Physics, 2018, 18, 9705-9721.	4.9	64
228	Profit Maximization of NFV-Enabled Request Admissions in SDNs. , 2018, , .		10
229	Spatial Angular Spectrum Sensing for Non-Geostationary Satellite Systems. , 2018, , .		4
230	Energy Management of Data Centers Powered by Fuel Cells and Heterogeneous Energy Storage. , 2018, , .		2
231	Joint Computation Offloading and Routing Optimization for UAV-Edge-Cloud Computing Environments. , 2018, , .		16
232	Multicast in multi-channel cognitive radio ad hoc networks: Challenges and research aspects. Computer Communications, 2018, 132, 10-16.	5.1	10
233	Software-Defined Green 5G System for Big Data. IEEE Communications Magazine, 2018, 56, 116-123.	6.1	15
234	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

#	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	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
237	Online Green Data Gathering from Geo-Distributed IoT Networks via LEO Satellites. , 2018, , .		14
238	Energy Management for EV Charging in Software-Defined Green Vehicle-to-Grid Network. , 2018, 56, 156-163.		34
239	Stochastic Scheduling Towards Cost Efficient Network Function Virtualization in Edge Cloud. , 2018, , .		7
240	Advances in Satellite Communications Part 2: Guest Editorial. IEEE Journal on Selected Areas in Communications, 2018, 36, 967-970.	14.0	0
241	Making Big Data Open in Collaborative Edges: A Blockchain-Based Framework with Reduced Resource Requirements. , 2018, , .		12
242	Machine-Learning-Based Online Distributed Denial-of-Service Attack Detection Using Spark Streaming. , 2018, , .		17
243	Throughput Maximization of Delay-Sensitive Request Admissions via Virtualized Network Function Placements and Migrations. , 2018, , .		13
244	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
245	ran-GJS. , 2018, , .		7
246	Swallow: Joint Online Scheduling and Coflow Compression in Datacenter Networks. , 2018, , .		11
247	Green Communications and Computing Networks. , 2018, 56, 138-139.		1
248	Enhanced Passcode Recognition Based on Press Force and Time Interval. Lecture Notes in Computer Science, 2018, , 315-323.	1.3	0
249	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
250	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
251	Energy-Efficient Event Detection by Participatory Sensing Under Budget Constraints. IEEE Systems Journal, 2017, 11, 2490-2501.	4.6	23
252	Optimization of Deployable Base Stations With Guaranteed QoE in Disaster Scenarios. IEEE Transactions on Vehicular Technology, 2017, 66, 6536-6552.	6.3	11

#	ARTICLE	IF	CITATIONS
253	An SDN-Based Architecture for Next-Generation Wireless Networks. IEEE Wireless Communications, 2017, 24, 25-31.	9.0	70
254	Vehicle-assist resilient information and network system for disaster management. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 438-448.	4.6	44
255	Resilient information management system for disaster situations. , 2017, , .		9
256	Strategic Antieavesdropping Game for Physical Layer Security in Wireless Cooperative Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9448-9457.	6.3	40
257	Green Communications and Computing Networks. , 2017, 55, 160-161.		0
258	A Pre-Authentication Approach to Proxy Re-encryption in Big Data Context. IEEE Transactions on Big Data, 2017, , 1-1.	6.1	30
259	Engineering a Game Theoretic Access for Urban Vehicular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 4602-4615.	6.3	26
260	Robust Large-Scale Spectrum Auctions against False-Name Bids. IEEE Transactions on Mobile Computing, 2017, 16, 1730-1743.	5.8	28
261	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
262	A Survey on Energy Internet Communications for Sustainability. IEEE Transactions on Sustainable Computing, 2017, 2, 231-254.	3.1	107
263	Effects of continental anthropogenic sources on organic aerosols in the coastal atmosphere of East China. Environmental Pollution, 2017, 229, 350-361.	7.5	19
264	Distributed Energy Management for Vehicle-to-Grid Networks. IEEE Network, 2017, 31, 22-28.	6.9	49
265	Antieavesdropping With Selfish Jamming in Wireless Networks: A Bertrand Game Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 6268-6279.	6.3	25
266	Crowdsourcing-Based Content-Centric Network: A Social Perspective. IEEE Network, 2017, 31, 28-34.	6.9	18
267	Pinpointing Anomaly RFID Tags: Situation and Opportunities. IEEE Network, 2017, 31, 40-47.	6.9	11
268	Top- k Queries for Categorized RFID Systems. IEEE/ACM Transactions on Networking, 2017, 25, 2587-2600.	3.8	26
269	High NO_2 Concentrations Observed in Urban Beijing: Implications of a Large Nitrate Formation Pathway. Environmental Science and Technology Letters, 2017, 4, 416-420.	8.7	167
270	Selective Traffic Offloading on the Fly: A Machine Learning Approach. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
271	Approximation and Online Algorithms for NFV-Enabled Multicasting in SDNs. , 2017, , .		47
272	MELODY: A Long-Term Dynamic Quality-Aware Incentive Mechanism for Crowdsourcing. , 2017, , .		15
273	Take Renewable Energy into CRAN toward Green Wireless Access Networks. IEEE Network, 2017, 31, 62-68.	6.9	23
274	Traffic-aware task placement with guaranteed job completion time for geo-distributed big data. , 2017, , .		1
275	Service provisioning update scheme for mobile application users in a cloudlet network. , 2017, , .		11
276	A reliable task assignment strategy for spatial crowdsourcing in big data environment. , 2017, , .		2
277	Optimal transmission strategy for sensors to defend against eavesdropping and jamming attacks. , 2017, , .		11
278	Preemptive dynamic scheduling algorithm for data relay satellite systems. , 2017, , .		5
279	Secure Multimedia Big Data in Trust-Assisted Sensor-Cloud for Smart City. , 2017, 55, 24-30.		81
280	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
281	Optimal Satellite Scheduling with Critical Node Analysis. , 2017, , .		1
282	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
283	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
284	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
285	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
286	Spectrum-Aware Network Coded Multicast in Mobile Cognitive Radio Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 5340-5350.	6.3	17
287	Multi-Category RFID Estimation. IEEE/ACM Transactions on Networking, 2017, 25, 264-277.	3.8	50
288	New particle formation in China: Current knowledge and further directions. Science of the Total Environment, 2017, 577, 258-266.	8.0	106

#	ARTICLE	IF	CITATIONS
289	Editorial for Special Issue on Social Computing. Mobile Networks and Applications, 2017, 22, 151-152.	3.3	0
290	A Selective Privacy-Preserving Approach for Multimedia Data. IEEE MultiMedia, 2017, 24, 14-25.	1.7	20
291	Green C-RAN: A Joint Approach to the Design and Energy Optimization. , 2017, , .		0
292	Robust Secure Beamforming for Cognitive Satellite Terrestrial Networks at Millimeter-Wave Frequency. , 2017, , .		3
293	Achieving Sustainable Ultra-Dense Heterogeneous Networks for 5G. , 2017, 55, 84-90.		203
294	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
295	Gasoline aromatics: a critical determinant of urban secondary organic aerosol formation. Atmospheric Chemistry and Physics, 2017, 17, 10743-10752.	4.9	58
296	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
297	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
298	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
299	A fast offset phase calibration method. , 2017, , .		0
300	TDRSS Scheduling Algorithm for Non-Uniform Time-Space Distributed Missions. , 2017, , .		7
301	Green Communications and Computing Networks. , 2017, 55, 12-13.		3
302	Online Internet Traffic Measurement and Monitoring Using Spark Streaming. , 2017, , .		7
303	Parallel Agent-as-a-Service (P-AaaS) Based Geospatial Service in the Cloud. Remote Sensing, 2017, 9, 382.	4.0	8
304	Cooperative QoS Beamforming for Multicast Transmission in Terrestrial-Satellite Networks. , 2017, , .		10
305	Traffic scheduling for deep packet inspection in software-defined networks. Concurrency Computation Practice and Experience, 2017, 29, e3967.	2.2	16
306	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

#	ARTICLE	IF	CITATIONS
307	Towards Shift Tolerant Visual Secret Sharing Schemes without Pixel Expansion. MATEC Web of Conferences, 2016, 71, 01002.	0.2	0
308	Fault-Tolerant Visual Secret Sharing Schemes without Pixel Expansion. Applied Sciences (Switzerland), 2016, 6, 18.	2.5	4
309	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
310	Green communications and computing networks [Series Editorial]. , 2016, 54, 106-107.		10
311	Cloud-Based Actor Identification With Batch-Orthogonal Local-Sensitive Hashing and Sparse Representation. IEEE Transactions on Multimedia, 2016, 18, 1749-1761.	7.2	8
312	OH-Initiated Oxidation of <i>m</i> -Xylene on Black Carbon Aging. Environmental Science & Technology, 2016, 50, 8605-8612.	10.0	47
313	Big Data Analytics for Price Forecasting in Smart Grids. , 2016, , .		14
314	Online Scheduling of Mobile Stations for Disaster Management. , 2016, , .		5
315	Energy-Efficient Power Control for Device-to-Device Communications with Max-Min Fairness. , 2016, , .		10
316	Throughput Maximization in Software-Defined Networks with Consolidated Middleboxes. , 2016, , .		17
317	Green Communications and Computing Networks. IEEE Communications Magazine, 2016, 54, 134-135.	6.1	4
318	Green Industrial Internet of Things Architecture: An Energy-Efficient Perspective. IEEE Communications Magazine, 2016, 54, 48-54.	6.1	354
319	Photochemical smog in China: scientific challenges and implications for air-quality policies. National Science Review, 2016, 3, 401-403.	9.5	58
320	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
321	Rank-Based Image Watermarking Method With High Embedding Capacity and Robustness. IEEE Access, 2016, 4, 1689-1699.	4.2	38
322	Big Data Meet Green Challenges: Big Data Toward Green Applications. IEEE Systems Journal, 2016, 10, 888-900.	4.6	309
323	Big Data Meet Green Challenges: Greening Big Data. IEEE Systems Journal, 2016, 10, 873-887.	4.6	189
324	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

#	ARTICLE	IF	CITATIONS
325	Software-Defined Data Shuffling for Big Data Jobs with Task Duplication. , 2016, , .		0
326	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
327	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
328	Joint middlebox selection and routing for software-defined networking. , 2016, , .		23
329	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
330	Joint optimization on switch activation and flow routing towards energy efficient software defined data center networks. , 2016, , .		12
331	D2D-based content delivery with parked vehicles in vehicular social networks. IEEE Wireless Communications, 2016, 23, 90-95.	9.0	83
332	Dynamic routing for network throughput maximization in software-defined networks. , 2016, , .		44
333	Maximizing Lifetime of Data-Gathering Trees With Different Aggregation Modes in WSNs. IEEE Sensors Journal, 2016, 16, 8167-8177.	4.7	31
334	Green DataPath for TCAM-Based Software-Defined Networks. , 2016, 54, 194-201.		43
335	Privacy-Preserving Access to Big Data in the Cloud. IEEE Cloud Computing, 2016, 3, 34-42.	3.9	26
336	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
337	Guest Editorial Special Issue on Large-Scale Internet of Things. IEEE Internet of Things Journal, 2016, 3, 439-440.	8.7	2
338	Demand-Addressable Sensor Network: Toward Large-Scale Active Information Acquisition. IEEE Sensors Journal, 2016, 16, 7421-7432.	4.7	3
339	Protection of Big Data Privacy. IEEE Access, 2016, 4, 1821-1834.	4.2	173
340	On Cost-Efficient Sensor Placement for Contaminant Detection in Water Distribution Systems. IEEE Transactions on Industrial Informatics, 2016, 12, 2177-2185.	11.3	49
341	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
342	Near-Optimal One-Sided Scheduling for Coded Segmented Network Coding. IEEE Transactions on Computers, 2016, 65, 929-939.	3.4	31

#	ARTICLE	IF	CITATIONS
343	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
344	Big Data Analytics for Emergency Communication Networks: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 1758-1778.	39.4	76
345	Big data for networking [Guest Editorial]. IEEE Network, 2016, 30, 4-5.	6.9	3
346	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
347	Efficient Algorithms for Capacitated Cloudlet Placements. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2866-2880.	5.6	211
348	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
349	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
350	Cost Minimization for Rule Caching in Software Defined Networking. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1007-1016.	5.6	47
351	A Feasible IP Traceback Framework through Dynamic Deterministic Packet Marking. IEEE Transactions on Computers, 2016, 65, 1418-1427.	3.4	41
352	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
353	Congestion control in social-based sensor networks: A social network perspective. Peer-to-Peer Networking and Applications, 2016, 9, 681-691.	3.9	5
354	An Efficient Privacy-Preserving Ranked Keyword Search Method. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 951-963.	5.6	130
355	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
356	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
357	Trajectory and Data Planning for Mobile Relay to Enable Efficient Internet Access after Disasters. , 2015, , .		30
358	Maximizing Lifetime of Data-Gathering Trees with Different Aggregation Modes in WSNs. , 2015, , .		2
359	Energy Minimization for Cellular Network Interfaces with Dynamic Link Quality. , 2015, , .		1
360	Joint optimization of VM placement and request distribution for electricity cost cut in geo-distributed data centers. , 2015, , .		12

#	ARTICLE	IF	CITATIONS
361	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
362	Guest Editorial: Special Issue of <i>IEEE Transactions on Emerging Topics in Computing</i> on Emerging Mobile and Ubiquitous Systems Part II. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 305-306.	4.6	1
363	Multi-flow oriented packets scheduling in OpenFlow enabled networks. , 2015, , .		1
364	A General Communication Cost Optimization Framework for Big Data Stream Processing in Geo-Distributed Data Centers. Wireless Networks, 2015, , 79-100.	0.5	3
365	eBay in the Clouds: False-Name-Proof Auctions for Cloud Resource Allocation. , 2015, , .		9
366	Energy-Aware Cost-Effective Cooperative Mobile Streaming on Smartphones over Hybrid Wireless Networks. , 2015, , .		1
367	Cost Minimization for Big Data Processing in Geo-Distributed Data Centers. Wireless Networks, 2015, , 59-78.	0.5	8
368	Capacitated cloudlet placements in Wireless Metropolitan Area Networks. , 2015, , .		57
369	Fool Me If You Can: Mimicking Attacks and Anti-Attacks in Cyberspace. IEEE Transactions on Computers, 2015, 64, 139-151.	3.4	61
370	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
371	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
372	Exploiting Small World Properties for Message Forwarding in Delay Tolerant Networks. IEEE Transactions on Computers, 2015, 64, 2809-2818.	3.4	19
373	Energy Minimization in Multi-Task Software-Defined Sensor Networks. IEEE Transactions on Computers, 2015, 64, 3128-3139.	3.4	116
374	Just-in-Time Code Offloading for Wearable Computing. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 74-83.	4.6	87
375	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
376	Approximately Truthful Mechanisms for Radio Spectrum Allocation. IEEE Transactions on Vehicular Technology, 2015, 64, 2615-2626.	6.3	4
377	On-demand Customizable Wireless Sensor Network. Procedia Computer Science, 2015, 52, 302-309.	2.0	8
378	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

#	ARTICLE	IF	CITATIONS
379	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
380	An Improved Stochastic Modeling of Opportunistic Routing in Vehicular CPS. IEEE Transactions on Computers, 2015, 64, 1819-1829.	3.4	19
381	Opportunistic Offloading of Deadline-Constrained Bulk Cellular Traffic in Vehicular DTNs. IEEE Transactions on Computers, 2015, 64, 3515-3527.	3.4	19
382	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
383	Robust Histogram Shape-Based Method for Image Watermarking. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 717-729.	8.3	109
384	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
385	Formation of Urban Fine Particulate Matter. Chemical Reviews, 2015, 115, 3803-3855.	47.7	988
386	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
387	Incentive mechanisms for device-to-device communications. IEEE Network, 2015, 29, 75-79.	6.9	50
388	Software-defined wireless mesh networks: architecture and traffic orchestration. IEEE Network, 2015, 29, 24-30.	6.9	72
389	FDRC: Flow-driven rule caching optimization in software defined networking. , 2015, , .		20
390	Relay placement for latency minimization in delay tolerant networks. , 2015, , .		6
391	Aggregation on the fly: reducing traffic for big data in the cloud. IEEE Network, 2015, 29, 17-23.	6.9	15
392	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
393	Malware Propagation in Large-Scale Networks. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 170-179.	5.7	97
394	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
395	Optimal Task Placement with QoS Constraints in Geo-Distributed Data Centers Using DVFS. IEEE Transactions on Computers, 2015, 64, 2049-2059.	3.4	63
396	Neighbor Similarity Trust against Sybil Attack in P2P E-Commerce. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 824-833.	5.6	32

#	ARTICLE	IF	CITATIONS
397	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
398	Cloud Networking. Wireless Networks, 2015, , 33-56.	0.5	0
399	Cloud forming potential of oligomers relevant to secondary organic aerosols. Geophysical Research Letters, 2014, 41, 6538-6545.	4.0	17
400	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
401	Special issue on cyber-physical systems. International Journal of Parallel, Emergent and Distributed Systems, 2014, 29, 213-214.	1.0	2
402	Towards Latency-Aware Data Acquisition in Wireless Sensor Network. , 2014, , .		1
403	Modeling content acquisition in two-dimensional content-centric MANETs. , 2014, , .		1
404	MoRule: Optimized rule placement for mobile users in SDN-enabled access networks. , 2014, , .		20
405	Energy-Efficient Cooperative Communications for Multimedia Applications in Multi-Channel Wireless Networks. IEEE Transactions on Computers, 2014, , 1-1.	3.4	25
406	Byzantine-Resilient Secure Software-Defined Networks with Multiple Controllers in Cloud. IEEE Transactions on Cloud Computing, 2014, 2, 436-447.	4.4	87
407	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
408	Crowdsourcing on mobile cloud: Cost minimization of joint data acquisition and processing. , 2014, , .		3
409	DASN. , 2014, , .		3
410	Delay minimization by optimizing antenna allocation in SIMO system. , 2014, , .		0
411	An approximately strategy-proof mechanism for radio spectrum allocation. , 2014, , .		0
412	Latency-optimized broadcast in mobile ad hoc networks without node coordination. , 2014, , .		2
413	Energy-Efficient Transmission Scheduling in Mobile Phones using Machine Learning and Participatory Sensing. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	9
414	Deactivation-controlled epidemic routing in disruption tolerant networks with multiple sinks. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
415	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
416	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
417	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
418	A multi-attribute decision making approach to congestion control in delay tolerant networks. , 2014, , .		8
419	Lifetime optimization for reliable broadcast and multicast in wireless ad hoc networks. Wireless Communications and Mobile Computing, 2014, 14, 221-231.	1.2	11
420	On Efficient Resource Allocation for Cognitive and Cooperative Communications. IEEE Journal on Selected Areas in Communications, 2014, 32, 264-273.	14.0	45
421	On the Multicast Lifetime of WANETs with Multibeam Antennas: Formulation, Algorithms, and Analysis. IEEE Transactions on Computers, 2014, , 1-1.	3.4	4
422	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
423	On the Multicast Lifetime of WANETs with Multibeam Antennas: Formulation, Algorithms, and Analysis. IEEE Transactions on Computers, 2014, 63, 1988-2001.	3.4	7
424	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
425	RENDEZVOUS: towards fast event detecting in wireless sensor and actor networks. Computing (Vienna/New York), 2014, 96, 995-1010.	4.8	26
426	Joint Resource Allocation for Max-Min Throughput in Multicell Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 4546-4559.	6.3	18
427	Can We Beat DDoS Attacks in Clouds?. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2245-2254.	5.6	189
428	Delay and Capacity Analysis in MANETs with Correlated Mobility and $\frac{1}{\sqrt{f}}$ -Cast Relay. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2829-2839.	5.6	3
429	A software defined wireless sensor network. , 2014, , .		36
430	Fine-grained resource allocation for cooperative device-to-device communication in cellular networks. IEEE Wireless Communications, 2014, 21, 35-40.	9.0	13
431	Chameleon Hashing for Secure and Privacy-Preserving Vehicular Communications. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2794-2803.	5.6	48
432	Type-aware task placement in geo-distributed data centers with low OPEX using data center resizing. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
433	Efficient privacy-preserving multicast in cloud data centers. , 2014, , .		1
434	Acid-Catalyzed Reactions of Epoxides for Atmospheric Nanoparticle Growth. Journal of the American Chemical Society, 2014, 136, 15477-15480.	13.7	14
435	A high throughput K-best detector on FPGA. , 2014, , .		1
436	Byzantine-resilient secure software-defined networks with multiple controllers. , 2014, , .		25
437	Minimum-energy reprogramming with guaranteed quality-of-sensing in software-defined sensor networks. , 2014, , .		14
438	Load balancing for privacy-preserving access to big data in cloud. , 2014, , .		8
439	Joint optimization of task mapping and routing for service provisioning in distributed datacenters. , 2014, , .		7
440	Order-Optimal Information Dissemination in MANETs via Network Coding. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1841-1851.	5.6	9
441	Taxonomy of Attacks for Agent-Based Smart Grids. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1886-1895.	5.6	24
442	On Social Delay-Tolerant Networking: Aggregation, Tie Detection, and Routing. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1563-1573.	5.6	23
443	Reliable Bulk-Data Dissemination in Delay Tolerant Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2180-2189.	5.6	26
444	Modeap: Moving Desktop Application to Mobile Cloud Service. Mobile Networks and Applications, 2014, 19, 563-571.	3.3	5
445	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
446	Daytime HONO formation in the suburban area of the megacity Beijing, China. Science China Chemistry, 2014, 57, 1032-1042.	8.2	53
447	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
448	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
449	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 Hsueh K'an, 2014, 37, 506-516.	1.1	3
450	The joint optimization of rules allocation and traffic engineering in Software Defined Network. , 2014, , .		17

#	ARTICLE	IF	CITATIONS
451	An energy-aware deadline-constrained message delivery in delay-tolerant networks. <i>Wireless Networks</i> , 2014, 20, 1981-1993.	3.0	16
452	Adaptive Parameter Estimation of Power System Dynamic Model Using Modal Information. <i>IEEE Transactions on Power Systems</i> , 2014, 29, 2854-2861.	6.5	37
453	CACC: A context-aware congestion control approach in smartphone networks. , 2014, 52, 42-48.		10
454	Architecture-based design and optimization of genetic algorithms on multi- and many-core systems. <i>Future Generation Computer Systems</i> , 2014, 38, 75-91.	7.5	27
455	Submicron aerosols at thirteen diversified sites in China: size distribution, new particle formation and corresponding contribution to cloud condensation nuclei production. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10249-10265.	4.9	90
456	Trajectory and Data Planning for Mobile Relay to Enable Efficient Internet Access after Disasters. , 2014, , .		3
457	On-Time Warning Delivery for Vehicular Ad Hoc Networks. <i>Computer</i> , 2014, 47, 6-6.	1.1	0
458	Maximizing Lifetime of Data-Gathering Trees with Different Aggregation Modes in WSNs. , 2014, , .		0
459	Workload-Aware Caching Policy for Information-Centric Networking. <i>IEICE Transactions on Communications</i> , 2014, E97.B, 2157-2166.	0.7	3
460	Research on Secondary Organic Aerosols Basing on Field Measurement. <i>Acta Chimica Sinica</i> , 2014, 72, 145.	1.4	7
461	Comparison of Secondary Organic Aerosol Estimation Methods. <i>Acta Chimica Sinica</i> , 2014, 72, 658.	1.4	14
462	Energy Efficiency of Cooperative Device-to-Device Communication. <i>SpringerBriefs in Computer Science</i> , 2014, , 41-59.	0.2	0
463	A measurement-based study on user management in private BitTorrent communities. <i>Concurrency Computation Practice and Experience</i> , 2013, 25, 2052-2066.	2.2	3
464	Novel Z-Domain Precoding Method for Blind Separation of Spatially Correlated Signals. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013, 24, 94-105.	11.3	14
465	Special phenomena from a single liquid drop impact on wetted cylindrical surfaces. <i>Experimental Thermal and Fluid Science</i> , 2013, 51, 18-27.	2.7	78
466	HAT: history-based auto-tuning MapReduce in heterogeneous environments. <i>Journal of Supercomputing</i> , 2013, 64, 1038-1054.	3.6	24
467	Maximum-Lifetime Coding Tree for Multicast in Lossy Wireless Networks. <i>IEEE Wireless Communications Letters</i> , 2013, 2, 295-298.	5.0	5
468	Evolution of Software-Defined Sensor Networks. , 2013, , .		48

#	ARTICLE	IF	CITATIONS
469	A general cloud firewall framework with dynamic resource allocation. , 2013, , .		22
470	Social-Aware Relay Node Selection in Delay Tolerant Networks. , 2013, , .		10
471	ANTS: Pushing the rapid event notification in wireless sensor and actor networks. , 2013, , .		3
472	Delay minimization for reliable data collection on overhead transmission lines in smart grid. , 2013, , .		3
473	Programmable wireless sensor node featuring low-power FPGA and microcontroller. , 2013, , .		4
474	Stochastic analysis on epidemic dissemination of lifetime-controlled messages in DTNs. , 2013, , .		3
475	A dynamical Deterministic Packet Marking scheme for DDoS traceback. , 2013, , .		5
476	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
477	Coding-Aware Proportional-Fair Scheduling in OFDMA Relay Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1727-1740.	5.6	7
478	Role of OH-Initiated Oxidation of Isoprene in Aging of Combustion Soot. Environmental Science & Technology, 2013, 47, 2254-2263.	10.0	75
479	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
480	Vehicular cloud computing: A survey. , 2013, , .		16
481	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
482	Leverage parking cars in a two-tier data center. , 2013, , .		6
483	Joint relay assignment and channel allocation for energy-efficient cooperative communications. , 2013, , .		15
484	Interference cancellation and rate maximization in full-duplex cooperative communications. , 2013, , .		0
485	QoS-Aware Task Placement in Geo-distributed Data Centers with Low OPEX Using Dynamic Frequency Scaling. , 2013, , .		3
486	Three new uncertainty bound methods of Karnik-Mendel algorithms. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
487	Joint optimization of transmission scheduling and relay assignment for cooperative communications. , 2013, , .		0
488	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
489	Stochastic modeling and analysis of opportunistic computing in intermittent mobile cloud. , 2013, , .		2
490	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
491	Special Issue on Cyber-Physical Systems (CPS)â€™Part II. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 203-206.	4.6	1
492	Special Issue on Cyber-Physical Systems (CPS)â€™Part I. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 6-9.	4.6	2
493	All-to-all throughput maximization in wireless relay networks with multiple packet reception. , 2012, , .		2
494	Can we beat legitimate cyber behavior mimicking attacks from botnets?. , 2012, , .		30
495	Improving content availability by request-adaptive incentive in private peer-to-peer communities. , 2012, , .		0
496	Dynamic segmented network coding for reliable data dissemination in delay tolerant networks. , 2012, , .		11
497	Improving throughput by fine-grained channel allocation in cooperative wireless networks. , 2012, , .		6
498	A particle swarm optimization algorithm for resource allocation in femtocell networks. , 2012, , .		13
499	Deadline-constrained content distribution in vehicular delay tolerant networks. , 2012, , .		7
500	DOTA: A Double Truthful Auction for spectrum allocation in dynamic spectrum access. , 2012, , .		21
501	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
502	Neighbor Similarity Trust against Sybil Attack in P2P E-commerce. , 2012, , .		2
503	Discriminating DDoS Attacks from Flash Crowds Using Flow Correlation Coefficient. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1073-1080.	5.6	159
504	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

#	ARTICLE	IF	CITATIONS
505	CodePipe: An opportunistic feeding and routing protocol for reliable multicast with pipelined network coding. , 2012, , .		33
506	Capacity maximization in cooperative CRNs: Joint relay assignment and channel allocation. , 2012, , .		21
507	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
508	Synchronous machine inertia constants updating using Wide Area Measurements. , 2012, , .		14
509	A lightweight privacy-preserving protocol using chameleon hashing for secure vehicular communications. , 2012, , .		17
510	A chain-cluster based routing algorithm for wireless sensor networks. Journal of Intelligent Manufacturing, 2012, 23, 1305-1313.	7.3	74
511	An efficient and scalable ubiquitous storage scheme for delay-sensitive IT applications. Journal of Intelligent Manufacturing, 2012, 23, 955-963.	7.3	0
512	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
513	14C-Based source assessment of carbonaceous aerosols at a rural site. Atmospheric Environment, 2012, 50, 36-40.	4.1	27
514	Unicast and Broadcast Throughput Maximization in Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 2768-2776.	6.3	57
515	On the Throughput of Feedbackless Segmented Network Coding in Delay Tolerant Networks. IEEE Wireless Communications Letters, 2012, 1, 93-96.	5.0	14
516	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
517	FELL: A Flexible Virtual Network Embedding Algorithm with Guaranteed Load Balancing. , 2011, , .		30
518	On the maximum throughput of two-hop wireless network coding. , 2011, , .		9
519	Simulation software as a service and Service-Oriented simulation experiment. , 2011, , .		17
520	Multicast Lifetime Maximization Using Network Coding in Lossy Wireless Ad Hoc Networks. , 2011, , .		0
521	Architecture-based Performance Evaluation of Genetic Algorithms on Multi/Many-core Systems. , 2011, , .		12
522	Browsing behavior mimicking attacks on popular web sites for large botnets. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
523	Towards Context-Aware Ubiquitous Transaction Processing: A Model and Algorithm. , 2011, , .		1
524	More convenient more overhead. , 2011, , .		25
525	IF-THEN in the Internet of Things. , 2011, , .		3
526	The Exploration of Network Coding in IEEE 802.15.4 Networks. International Journal of Digital Multimedia Broadcasting, 2011, 2011, 1-9.	0.6	5
527	Measurements of gaseous H ₂ SO ₄ by AP-ID-CIMS during CAREBeijing 2008 Campaign. Atmospheric Chemistry and Physics, 2011, 11, 7755-7765.	4.9	60
528	Energy Efficiency of a Multi-Core Processor by Tag Reduction. Journal of Computer Science and Technology, 2011, 26, 491-503.	1.5	2
529	HARVEST: A Task-objective Efficient Data Collection Scheme in Wireless Sensor and Actor Networks. , 2011, , .		7
530	QoS-Aware Service Redeployment in Cloud. , 2011, , .		2
531	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
532	Performance bounds for Turbo-coded SC-PSK/FSO communications over strong turbulence channels. , 2011, , .		7
533	Segmented Network Coding for Stream-Like Applications in Delay Tolerant Networks. , 2011, , .		7
534	The Web of Things: A Survey (Invited Paper). Journal of Communications, 2011, 6, .	1.6	210
535	A Scalable Multiprocessor Architecture for Pervasive Computing. Lecture Notes in Computer Science, 2011, , 42-51.	1.3	0
536	A probabilistic-approach based resource allocation algorithm in pervasive computing systems. , 2010, , .		2
537	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
538	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
539	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
540	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

#	ARTICLE	IF	CITATIONS
541	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
542	Designing energy efficient target tracking protocol with quality monitoring in wireless sensor networks. Journal of Supercomputing, 2010, 51, 131-148.	3.6	21
543	Exact and performance-guaranteed multicast algorithms for lifetime optimization in WANETs. Networks, 2010, 55, 287-297.	2.7	0
544	Balanced Bipartite Graph Based Register Allocation for Network Processors in Mobile and Wireless Networks. Mobile Information Systems, 2010, 6, 65-83.	0.6	2
545	A Permutation-Based Multi-Polynomial Scheme for Pairwise Key Establishment in Sensor Networks. , 2010, , .		0
546	Energy Minimization on Thread-Level Speculation in Multicore Systems. , 2010, , .		4
547	Exploring the Limits of Tag Reduction for Energy Saving on a Multi-core Processor. , 2010, , .		0
548	Performance evaluation of network coding in disruption tolerant networks. , 2010, , .		4
549	An energy aware MAC protocol for Wireless Personal Area Networks. , 2010, , .		2
550	A general energy optimization model for wireless networks using configurable antennas. , 2010, , .		1
551	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
552	Distributed Approximation Algorithms for Longest-Lived Multicast in WANETs with Directional Antennas. IEEE Transactions on Wireless Communications, 2010, 9, 2227-2237.	9.2	3
553	SAMR: A Self-adaptive MapReduce Scheduling Algorithm in Heterogeneous Environment. , 2010, , .		140
554	Dynamic Itinerary Planning for Mobile Agents with a Content-Specific Approach in Wireless Sensor Networks. , 2010, , .		17
555	GridTDK: A Grid Transaction Development Kit. , 2010, , .		0
556	Maximum Lifetime Broadcast and Multicast Routing in Unreliable Wireless Ad-Hoc Networks. , 2010, , .		10
557	MTTF of Composite Web Services. , 2010, , .		17
558	A Compromise-Resilient Group Rekeying Scheme for Hierarchical Wireless Sensor Networks. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
559	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
560	A dynamic data driven application system for wildfire spread simulation. , 2009, , .		5
561	I-Cache Tag Reduction for Low Power Chip Multiprocessor. , 2009, , .		4
562	An Accurate and Energy Efficient Fetch Direction Orientation Mechanism for Trace Cache. , 2009, , .		0
563	Key re-establishment protocols in hierarchical wireless sensor networks. , 2009, , .		0
564	Exploring the Multicast Lifetime Capacity of WANETs with Directional Multibeam Antennas. , 2009, , .		12
565	A Trade-Off Approach to Optimal Resource Allocation Algorithm with Cache Technology in Ubiquitous Computing Environment. , 2009, , .		2
566	A scalable key pre-distribution mechanism for large-scale wireless sensor networks. Concurrency Computation Practice and Experience, 2009, 21, 1373-1387.	2.2	5
567	A framework for the multicast lifetime maximization problem in energy-constrained wireless ad-hoc networks. Wireless Networks, 2009, 15, 313-329.	3.0	2
568	A Realistic Interference Model in Ad Hoc Networks. , 2009, , .		0
569	An efficient and scalable key distribution mechanism for hierarchical wireless sensor networks. , 2009, , .		3
570	Context-Aware Multimedia Processing System in a Pervasive Environment. , 2009, , .		0
571	Research on the hygroscopic properties of aerosols by measurement and modeling during CAREBeijingâ€2006. Journal of Geophysical Research, 2009, 114, .	3.3	88
572	Characteristics of aerosol size distributions and new particle formation in the summer in Beijing. Journal of Geophysical Research, 2009, 114, .	3.3	128
573	Analysis of the Availability of Composite Web Services. , 2009, , .		5
574	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
575	A Flexible and Efficient Key Distribution Scheme for Renewable Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2009, 2009, .	2.4	5
576	The Design and Evaluation of a Selective Way Based Trace Cache. Lecture Notes in Computer Science, 2009, , 95-109.	1.3	1

#	ARTICLE	IF	CITATIONS
577	A robust pair-wise rekeying protocol in hierarchical wireless sensor networks. , 2009, , .		1
578	Maximizing Multicast Communication Lifetime in Wireless Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 2414-2425.	6.3	21
579	A linear message distributed multicast algorithm with guaranteed directional communication lifetime in WANETs. , 2008, , .		0
580	Performance Analysis of Heuristic Algorithms for Lifetime-Aware Directional Multicasting in Wireless Ad Hoc Networks. , 2008, , .		1
581	An Improved Design of the Ubiquitous Learning System Based on Sensor Networks. , 2008, , .		0
582	A Message Complexity Oriented Design of Distributed Algorithm for Long-Lived Multicasting in Wireless Sensor Networks. , 2008, , .		0
583	Communication Complexity Evaluation for Longest-Lived Directional Multicasting in WANETs. , 2008, , .		1
584	A tradeoff analysis on message complexity and lifetime optimality for a distributed multicast algorithm in WSNs. , 2008, , .		0
585	Performance Analysis of Resource Allocation Algorithms Using Cache Technology for Pervasive Computing System. , 2008, , .		8
586	Lifetime Approximation Schemes Allow Multicast Algorithm with Linear Message Complexity in Wireless Sensor Networks. , 2008, , .		0
587	A Performance Guaranteed Distributed Multicast Algorithm for Long-Lived Directional Communications in WANETs. Lecture Notes in Computer Science, 2008, , 439-450.	1.3	0
588	Approximation algorithms for longest-lived directional multicast communications in WANETs. , 2007, , .		11
589	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
590	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
591	Improving Scalability for Longest-lived Multicast Using Localized Operations in WANETs. , 2007, , .		2
592	Energy-aware multicasting in wireless ad hoc networks: A survey and discussion. Computer Communications, 2007, 30, 2129-2148.	5.1	104
593	Adaptive Semantic Interoperability Strategies for Knowledge Based Networking. , 2007, , 1187-1199.		7
594	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

#	ARTICLE	IF	CITATIONS
595	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
596	A Constraint Formulation for Minimum-Energy Multicast Routing in Wireless Multihop Ad-hoc Networks. Wireless Networks, 2006, 12, 23-32.	3.0	4
597	A Distributed Min-Max Tree Algorithm for Maximum-Lifetime Multicast in Resource-limited Wireless Ad Hoc Networks. , 2006, , .		0
598	A scalable distributed multicast algorithm for lifetime maximization in large-scale resource-limited multihop wireless networks. , 2006, , .		11
599	Low-cost communication for rural internet kiosks using mechanical backhaul. , 2006, , .		134
600	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
601	Towards a Managed Extensible Control Plane for Knowledge-Based Networking. Lecture Notes in Computer Science, 2006, , 98-111.	1.3	17
602	On upper bound and heuristics for multicast lifetime maximization using dynamic routing in energy-limited wireless ad hoc networks. , 2005, , .		1
603	Improving source routing reliability in mobile ad hoc networks. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 362-373.	5.6	33
604	Antenna orientation optimization for minimum-energy multicast tree construction in wireless ad hoc networks with directional antennas. , 2004, , .		21
605	QoS-aware minimum energy multicast tree construction in wireless ad hoc networks. Ad Hoc Networks, 2004, 2, 217-229.	5.5	17
606	Performance of backup source routing in mobile ad hoc networks. , 0, , .		5
607	Minimum-energy broadcast routing in wireless multi-hop networks. , 0, , .		0
608	A topic-specific data filtering framework based on rough set theory. , 0, , .		0
609	Bandwidth allocation in wireless ad-hoc networks with minimum-energy consumption. , 0, , .		1
610	A dynamic multicast tree reconstruction algorithm for minimum-energy multicasting in wireless ad hoc networks. , 0, , .		23
611	An optimal TDMA-based MAC scheduling for the minimum energy multicast in wireless ad hoc networks. , 0, , .		0
612	Minimum energy multicast routing for wireless ad-hoc networks with adaptive antennas. , 0, , .		7

#	ARTICLE	IF	CITATIONS
613	Multicast lifetime maximization for energy-constrained wireless ad-hoc networks with directional antennas. , 0, , .		31
614	Minimum-energy multicast routing in static wireless ad hoc networks. , 0, , .		4
615	Improving energy efficiency for multicasting in wireless ad-hoc networks with adaptive antennas. , 0, , .		0
616	Formulation of optimal tree construction for maximum lifetime multicasting in wireless ad-hoc networks with adaptive antennas. , 0, , .		9
617	A Distributed Minimum Energy Multicast Algorithm in MANETs. , 0, , .		3
618	Study on the Music Rhythm Iambic Relationship Modeling Method. Applied Mechanics and Materials, 0, 513-517, 2012-2015.	0.2	0
619	Knowledge-Based Networking. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 0, , 232-259.	0.5	0