Song Guo

List of Publications by Year in Descending Order

540 papers	**15,671** citations	**62** h-index	**106** g-index
628 ext. papers	**19,313** ext. citations	**5.7** avg, IF	**7.33** L-index

#	Paper	IF	Citations
540	Elastic Resource Allocation against Imbalanced Transaction Assignments in Sharding-based Permissioned Blockchains. *IEEE Transactions on Parallel and Distributed Systems*, **2022**, 1-1	3.7	7
539	Online Learning for Distributed Computation Offloading in Wireless Powered Mobile Edge Computing Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2022**, 33, 1841-1855	3.7	5
538	Proteomic analysis of the effects of simulated microgravity in human gastric mucosal cells.. *Life Sciences in Space Research*, **2022**, 32, 26-37	2.4	
537	Edge Learning. *ACM Computing Surveys*, **2022**, 54, 1-36	13.4	1
536	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**, 1-1	37.1	8
535	SDN-Based Resource Allocation in Edge and Cloud Computing Systems: An Evolutionary Stackelberg Differential Game Approach. *IEEE/ACM Transactions on Networking*, **2022**, 1-16	3.8	10
534	Collaborative Machine Learning: Schemes, Robustness, and Privacy. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, 1-18	10.3	
533	Empowering Edge Intelligence by Air-Ground Integrated Federated Learning. *IEEE Network*, **2021**, 35, 34-41	11.4	8
532	MSCPT: Toward Cross-Place Transportation Mode Recognition Based on Multi-Sensor Neural Network Model. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-13	6.1	
531	Impact of Microgravity on the Skin and the Process of Wound Healing. *Microgravity Science and Technology*, **2021**, 33, 1	1.6	
530	A Survey of State-of-the-Art on Blockchains. *ACM Computing Surveys*, **2021**, 54, 1-42	13.4	18
529	A Lightweight Integrity Authentication Approach for RFID-enabled Supply Chains **2021**,		1
528	Petrel: Heterogeneity-Aware Distributed Deep Learning Via Hybrid Synchronization. *IEEE Transactions on Parallel and Distributed Systems*, **2021**, 32, 1030-1043	3.7	8
527	Autophagy in Gastric Mucosa: The Dual Role and Potential Therapeutic Target. *BioMed Research International*, **2021**, 2021, 2648065	3	1
526	Distributed and Dynamic Service Placement in Pervasive Edge Computing Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2021**, 32, 1277-1292	3.7	41
525	Incentive Mechanism Design for Federated Learning: Challenges and Opportunities. *IEEE Network*, **2021**, 35, 310-317	11.4	5
524	Falcon: Addressing Stragglers in Heterogeneous Parameter Server Via Multiple Parallelism. *IEEE Transactions on Computers*, **2021**, 70, 139-155	2.5	14

523	Networking Integrated Cloud-Edge-End in IoT: A Blockchain-Assisted Collective Q-Learning Approach. *IEEE Internet of Things Journal*, **2021**, 8, 12694-12704	10.7	29
522	RDAM: A Reinforcement Learning Based Dynamic Attribute Matrix Representation for Virtual Network Embedding. *IEEE Transactions on Emerging Topics in Computing*, **2021**, 9, 901-914	4.1	21
521	Accurate Respiration Monitoring for Mobile Users With Commercial RFID Devices. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 513-525	14.2	14
520	Fast and Reliable Dynamic Tag Estimation in Large-Scale RFID Systems. *IEEE Internet of Things Journal*, **2021**, 8, 1651-1661	10.7	4
519	Multi-Agent Imitation Learning for Pervasive Edge Computing: A Decentralized Computation Offloading Algorithm. *IEEE Transactions on Parallel and Distributed Systems*, **2021**, 32, 411-425	3.7	52
518	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	3.7	2
517	Spatial-Temporal Learning-Based Artificial Intelligence for IT Operations in the Edge Network. *IEEE Network*, **2021**, 35, 197-203	11.4	0
516	. *IEEE Transactions on Multimedia*, **2021**, 23, 524-537	6.6	5
515	Intermittent Pulling with Local Compensation for Communication-Efficient Distributed Learning. *IEEE Transactions on Emerging Topics in Computing*, **2021**, 1-1	4.1	1
514	Adaptive Federated Learning on Non-IID Data with Resource Constraint. *IEEE Transactions on Computers*, **2021**, 1-1	2.5	4
513	Partial Synchronization to Accelerate Federated Learning over Relay-Assisted Edge Networks. *IEEE Transactions on Mobile Computing*, **2021**, 1-1	4.6	4
512	Error-Compensated Sparsification for Communication-Efficient Decentralized Training in Edge Environment. *IEEE Transactions on Parallel and Distributed Systems*, **2021**, 1-1	3.7	3
511	. *IEEE Transactions on Computational Social Systems*, **2021**, 1-11	4.5	1
510	L4L: Experience-Driven Computational Resource Control in Federated Learning. *IEEE Transactions on Computers*, **2021**, 1-1	2.5	2
509	. *IEEE Network*, **2021**, 35, 356-364	11.4	2
508	EIC Editorial. *IEEE Open Journal of the Computer Society*, **2021**, 2, 1-2	3.6	
507	Service Provisioning for UAV-Enabled Mobile Edge Computing. *IEEE Journal on Selected Areas in Communications*, **2021**, 1-1	14.2	8
506	LTSM: Lightweight and Trusted Sharing Mechanism of IoT Data in Smart City. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	1

487	Simulated microgravity significantly altered metabolism in epidermal stem cells. *In Vitro Cellular and Developmental Biology - Animal*, **2020**, 56, 200-212	2.6	9
486	Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 5549-5561	6.8	49
485	. *IEEE Transactions on Cognitive Communications and Networking*, **2020**, 6, 509-522	6.6	19
484	. *IEEE Systems Journal*, **2020**, 1-12	4.3	2
483	Mobility-Aware and Delay-Sensitive Service Provisioning in Mobile Edge-Cloud Networks. *IEEE Transactions on Mobile Computing*, **2020**, 1-1	4.6	15
482	A Continuous-Decision Virtual Network Embedding Scheme Relying on Reinforcement Learning. *IEEE Transactions on Network and Service Management*, **2020**, 17, 864-875	4.8	21
481	A Learning-Based Incentive Mechanism for Federated Learning. *IEEE Internet of Things Journal*, **2020**, 7, 6360-6368	10.7	114
480	A Cyclic Game for Service-Oriented Resource Allocation in Edge Computing. *IEEE Transactions on Services Computing*, **2020**, 13, 723-734	4.8	4
479	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	11.9	3
478	Machine Fault Detection for Intelligent Self-Driving Networks. *IEEE Communications Magazine*, **2020**, 58, 40-46	9.1	15
477	A Deep Reinforcement Learning Based Offloading Game in Edge Computing. *IEEE Transactions on Computers*, **2020**, 69, 883-893	2.5	48
476	Augmenting Drive-Thru Internet via Reinforcement Learning-Based Rate Adaptation. *IEEE Internet of Things Journal*, **2020**, 7, 3114-3123	10.7	5
475	Big Data Analytics by CrowdLearning: Architecture and Mechanism Design. *IEEE Network*, **2020**, 34, 143-147	10.4	7
474	Joint DNN Partition Deployment and Resource Allocation for Delay-Sensitive Deep Learning Inference in IoT. *IEEE Internet of Things Journal*, **2020**, 7, 9241-9254	10.7	28
473	Autonomous Rate Control for Mobile Internet of Things: A Deep Reinforcement Learning Approach **2020**,		4
472	Bridge the Trustworthiness Gap amongst Multiple Domains: A Practical Blockchain-based Approach **2020**,		2
471	Smartphone Based Emergency Communication **2020**, 131-147		
470	Data-Driven Service Provisioning **2020**, 308-312		

451	. *IEEE Network*, **2020**, 34, 84-91	11.4	22
450	Experience-Driven Computational Resource Allocation of Federated Learning by Deep Reinforcement Learning **2020**,		25
449	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	2.4	2
448	Proactive Link Adaptation for Marine Internet of Things in TV White Space **2020**,		1
447	. *IEEE Network*, **2020**, 34, 8-13	11.4	5
446	A Graph Learning based Approach for Identity Inference in DApp Platform Blockchain. *IEEE Transactions on Emerging Topics in Computing*, **2020**, 1-1	4.1	6
445	**2020**,		2
444	Imitation Learning Enabled Task Scheduling for Online Vehicular Edge Computing. *IEEE Transactions on Mobile Computing*, **2020**, 1-1	4.6	45
443	. *IEEE Wireless Communications*, **2020**, 27, 122-128	13.4	7
442	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	4.9	46
441	Green Resource Allocation Based on Deep Reinforcement Learning in Content-Centric IoT. *IEEE Transactions on Emerging Topics in Computing*, **2020**, 8, 781-796	4.1	116
440	Near-Optimal Deployment of Service Chains by Exploiting Correlations Between Network Functions. *IEEE Transactions on Cloud Computing*, **2020**, 8, 585-596	3.3	11
439	Incentive Scheme for Cyber Physical Social Systems Based on User Behaviors. *IEEE Transactions on Emerging Topics in Computing*, **2020**, 8, 92-103	4.1	41
438	Posted Pricing for Chance Constrained Robust Crowdsensing. *IEEE Transactions on Mobile Computing*, **2020**, 19, 188-199	4.6	19
437	. *IEEE Transactions on Mobile Computing*, **2020**, 19, 288-299	4.6	18
436	Redundancy Avoidance for Big Data in Data Centers: A Conventional Neural Network Approach. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 104-114	4.9	12
435	Adaptive and Fault-Tolerant Data Processing in Healthcare IoT Based on Fog Computing. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 263-273	4.9	36
434	Deep Learning for Physical-Layer 5G Wireless Techniques: Opportunities, Challenges and Solutions. *IEEE Wireless Communications*, **2020**, 27, 214-222	13.4	130

433	Coflow-Like Online Data Acquisition from Low-Earth-Orbit Datacenters. *IEEE Transactions on Mobile Computing*, **2020**, 19, 2743-2760	4.6	10
432	Blockchain Meets Edge Computing: A Distributed and Trusted Authentication System. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 1972-1983	11.9	110
431	Cross-Cloud MapReduce for Big Data. *IEEE Transactions on Cloud Computing*, **2020**, 8, 375-386	3.3	15
430	OSP **2019**,		13
429	Disclosing and Locating Concurrency Bugs of Interrupt-Driven IoT Programs. *IEEE Internet of Things Journal*, **2019**, 6, 8945-8957	10.7	0
428	ReActor: Real-time and Accurate Contactless Gesture Recognition with RFID **2019**,		6
427	Emergency Networks and Future Public Safety Systems. *Wireless Communications and Mobile Computing*, **2019**, 2019, 1-2	1.9	3
426	Energy Minimization of Resource Allocation in Cloud-Based Satellite Communication Networks. *IEEE Communications Letters*, **2019**, 23, 2353-2356	3.8	4
425	Spectrum Sensing and Recognition in Satellite Systems. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 2502-2516	6.8	21
424	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	4	8
423	Resource Management at the Network Edge: A Deep Reinforcement Learning Approach. *IEEE Network*, **2019**, 33, 26-33	11.4	66
422	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	3.7	9
421	A Comprehensive Survey of Blockchain: From Theory to IoT Applications and Beyond. *IEEE Internet of Things Journal*, **2019**, 6, 8114-8154	10.7	103
420	Trust-Enhanced Content Delivery in Blockchain-Based Information-Centric Networking. *IEEE Network*, **2019**, 33, 183-189	11.4	24
419	. *IEEE Transactions on Cloud Computing*, **2019**, 1-1	3.3	13
418	Proactive Failure Recovery for NFV in Distributed Edge Computing. *IEEE Communications Magazine*, **2019**, 57, 131-137	9.1	18
417	QoS-Aware Cooperative Computation Offloading for Robot Swarms in Cloud Robotics. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 4027-4041	6.8	32
416	Nothing Blocks Me: Precise and Real-Time LOS/NLOS Path Recognition in RFID Systems. *IEEE Internet of Things Journal*, **2019**, 6, 5814-5824	10.7	9

415	Influence maximization by leveraging the crowdsensing data in information diffusion network. *Journal of Network and Computer Applications*, **2019**, 136, 11-21	7.9	4
414	When UAV Swarm Meets Edge-Cloud Computing: The QoS Perspective. *IEEE Network*, **2019**, 33, 36-43	11.4	78
413	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	14.2	28
412	Green Data-Collection From Geo-Distributed IoT Networks Through Low-Earth-Orbit Satellites. *IEEE Transactions on Green Communications and Networking*, **2019**, 3, 806-816	4	32
411	Analyzing and Disentangling Interleaved Interrupt-Driven IoT Programs. *IEEE Internet of Things Journal*, **2019**, 6, 5376-5386	10.7	1
410	Range-Based Localization for Sparse 3-D Sensor Networks. *IEEE Internet of Things Journal*, **2019**, 6, 753-764	10.7	42
409	Data-Driven Intelligent Future Network: Architecture, Use Cases, and Challenges. *IEEE Communications Magazine*, **2019**, 57, 34-40	9.1	11
408	Joint Multigroup Precoding and Resource Allocation in Integrated Terrestrial-Satellite Networks. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 8075-8090	6.8	22
407	Adaptive Adjustment with Semantic Feature Space for Zero-shot Recognition **2019**,		3
406	AMS-SFE: Towards an Alignment of Manifold Structures via Semantic Feature Expansion for Zero-shot Learning **2019**,		2
405	A ${Q}$ -Learning Based Framework for Congested Link Identification. *IEEE Internet of Things Journal*, **2019**, 6, 9668-9678	10.7	7
404	Fast Coflow Scheduling via Traffic Compression and Stage Pipelining in Datacenter Networks. *IEEE Transactions on Computers*, **2019**, 68, 1755-1771	2.5	14
403	Vital Signs Monitoring with RFID: Opportunities and Challenges. *IEEE Network*, **2019**, 33, 126-132	11.4	21
402	Cloud Computing Assisted Blockchain-Enabled Internet of Things. *IEEE Transactions on Cloud Computing*, **2019**, 1-1	3.3	29
401	An Intelligent Approach to Energy Efficient Transportation and QoS Routing **2019**,		2
400	. *IEEE Network*, **2019**, 33, 133-137	11.4	14
399	Dual: Deploy stateful virtual network function chains by jointly allocating data-control traffic. *Computer Networks*, **2019**, 162, 106868	5.4	1
398	Multi-Hop Cooperative Computation Offloading for Industrial IoT–Edge–Cloud Computing Environments. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 2759-2774	3.7	76

397	AI Routers & Network Mind: A Hybrid Machine Learning Paradigm for Packet Routing. *IEEE Computational Intelligence Magazine*, **2019**, 14, 21-30	5.6	27
396	EE-AE: An Exclusivity Enhanced Unsupervised Feature Learning Approach **2019**,		1
395	CMU-VP: Cooperative Multicast and Unicast With Viewport Prediction for VR Video Streaming in 5G H-CRAN. *IEEE Access*, **2019**, 7, 134187-134197	3.5	2
394	**2019**,		5
393	Stackelberg Differential Game Based Resource Sharing in Hierarchical Fog-Cloud Computing **2019**,		8
392	Heterogeneity-aware Gradient Coding for Straggler Tolerance **2019**,		10
391	Falcon: Towards Computation-Parallel Deep Learning in Heterogeneous Parameter Server **2019**,		9
390	Efficient Rate Adaptation for 802.11af TVWS Vehicular Access via Deep Learning **2019**,		2
389	A Queueing Analysis of the Opportunistic Vehicle-to-Vehicle Communication **2019**,		1
388	Poster Abstract: C-Continuum: Edge-to-Cloud computing for distributed AI **2019**,		2
387	When Blockchain-Enabled Internet of Things Meets Cloud Computing. *Computer*, **2019**, 52, 16-17	1.6	11
386	Deep Reinforcement Learning Based VNF Management in Geo-distributed Edge Computing **2019**,		13
385	Service Demand Prediction with Incomplete Historical Data **2019**,		1
384	A Cyclic Game for Joint Cooperation and Competition of Edge Resource Allocation **2019**,		7
383	A Service-Oriented Permissioned Blockchain for the Internet of Things. *IEEE Transactions on Services Computing*, **2019**, 1-1	4.8	13
382	Big Data Processing With Minimal Delay and Guaranteed Data Resolution in Disaster Areas. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 3833-3842	6.8	3
381	Secure Wireless Communications Based on Compressive Sensing: A Survey. *IEEE Communications Surveys and Tutorials*, **2019**, 21, 1093-1111	37.1	34
380	Efficient NFV-Enabled Multicasting in SDNs. *IEEE Transactions on Communications*, **2019**, 67, 2052-2070	6.9	37

379	Cooperative Transmission in Integrated Terrestrial-Satellite Networks. *IEEE Network*, **2019**, 33, 204-210	11.4	45
378	Multi-Controller Resource Management for Software-Defined Wireless Networks. *IEEE Communications Letters*, **2019**, 23, 506-509	3.8	9
377	Profit Maximization for Admitting Requests with Network Function Services in Distributed Clouds. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 1143-1157	3.7	26
376	Traffic and Computation Co-Offloading With Reinforcement Learning in Fog Computing for Industrial Applications. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 976-986	11.9	115
375	Making Big Data Open in Edges: A Resource-Efficient Blockchain-Based Approach. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 870-882	3.7	127
374	Enabling Heterogeneous Network Function Chaining. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 842-854	3.7	9
373	Privacy-preserving Data Aggregation Computing in Cyber-Physical Social Systems. *ACM Transactions on Cyber-Physical Systems*, **2019**, 3, 1-23	2.3	32
372	Service Chaining for Hybrid Network Function. *IEEE Transactions on Cloud Computing*, **2019**, 7, 1082-1094	3.3	35
371	Robust Big Data Analytics for Electricity Price Forecasting in the Smart Grid. *IEEE Transactions on Big Data*, **2019**, 5, 34-45	3.2	87
370	Improving Power Efficiency for Online Video Streaming Service: A Self-Adaptive Approach. *IEEE Transactions on Sustainable Computing*, **2019**, 4, 308-313	3.5	2
369	When Green Energy Meets Cloud Radio Access Network: Joint Optimization Towards Brown Energy Minimization. *Mobile Networks and Applications*, **2019**, 24, 962-970	2.9	9
368	A Differential Privacy-Based Query Model for Sustainable Fog Data Centers. *IEEE Transactions on Sustainable Computing*, **2019**, 4, 145-155	3.5	27
367	Utility Based Data Computing Scheme to Provide Sensing Service in Internet of Things. *IEEE Transactions on Emerging Topics in Computing*, **2019**, 7, 337-348	4.1	58
366	Converged Network-Cloud Service Composition with End-to-End Performance Guarantee. *IEEE Transactions on Cloud Computing*, **2018**, 6, 545-557	3.3	14
365	Envisioned Wireless Big Data Storage for Low-Earth-Orbit Satellite-Based Cloud. *IEEE Wireless Communications*, **2018**, 25, 26-31	13.4	15
364	Green Energy Scheduling for Demand Side Management in the Smart Grid. *IEEE Transactions on Green Communications and Networking*, **2018**, 2, 596-611	4	69
363	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	11	110
362	Temporal Centrality-Balanced Traffic Management for Space Satellite Networks. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 4427-4439	6.8	25

361	. *IEEE Transactions on Mobile Computing*, **2018**, 17, 2041-2054	4.6	18
360	. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 1782-1793	6.8	24
359	Online unicasting and multicasting in software-defined networks. *Computer Networks*, **2018**, 132, 26-39	5.4	6
358	Guest Editorial Advances in Satellite CommunicationsPart 1. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 217-220	14.2	1
357	MeLoDy: A Long-Term Dynamic Quality-Aware Incentive Mechanism for Crowdsourcing. *IEEE Transactions on Parallel and Distributed Systems*, **2018**, 29, 901-914	3.7	43
356	Information and Communications Technologies for Sustainable Development Goals: State-of-the-Art, Needs and Perspectives. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 2389-2406	37.1	237
355	CoMan: Managing Bandwidth Across Computing Frameworks in Multiplexed Datacenters. *IEEE Transactions on Parallel and Distributed Systems*, **2018**, 29, 1013-1029	3.7	6
354	A survey on sensor placement for contamination detection in water distribution systems. *Wireless Networks*, **2018**, 24, 647-661	2.5	30
353	Potential of secondary aerosol formation from Chinese gasoline engine exhaust. *Journal of Environmental Sciences*, **2018**, 66, 348-357	6.4	4
352	Power consumption analysis of video streaming in 4G LTE networks. *Wireless Networks*, **2018**, 24, 3083-3098	2.5	6
351	A Survey on Energy Internet: Architecture, Approach, and Emerging Technologies. *IEEE Systems Journal*, **2018**, 12, 2403-2416	4.3	166
350	Stochastic Scheduling Towards Cost Efficient Network Function Virtualization in Edge Cloud **2018**,		5
349	Advances in Satellite Communications Part 2: Guest Editorial. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 967-970	14.2	
348	Making Big Data Open in Collaborative Edges: A Blockchain-Based Framework with Reduced Resource Requirements **2018**,		12
347	Machine-Learning-Based Online Distributed Denial-of-Service Attack Detection Using Spark Streaming **2018**,		8
346	**2018**,		11
345	Cluster Frameworks for Efficient Scheduling and Resource Allocation in Data Center Networks: A Survey. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 3560-3580	37.1	27
344	ran-GJS **2018**,		5

343	Swallow: Joint Online Scheduling and Coflow Compression in Datacenter Networks **2018**,		6
342	Green Communications and Computing Networks **2018**, 56, 138-139		1
341	Enhanced Passcode Recognition Based on Press Force and Time Interval. *Lecture Notes in Computer Science*, **2018**, 315-323	0.9	
340	IEEE Access Special Section Editorial: The Internet of Energy: Architectures, Cyber Security, and Applications. *IEEE Access*, **2018**, 6, 79272-79275	3.5	3
339	IEEE Access Special Section Editorial: The Internet of Energy: Architectures, Cyber Security, and Applications—Part II. *IEEE Access*, **2018**, 6, 79276-79279	3.5	3
338	Efficient N_2O_5 uptake and NO_3 oxidation in the outflow of urban Beijing. *Atmospheric Chemistry and Physics*, **2018**, 18, 9705-9721	6.8	41
337	**2018**,		5
336	Spatial Angular Spectrum Sensing for Non-Geostationary Satellite Systems **2018**,		1
335	Energy Management of Data Centers Powered by Fuel Cells and Heterogeneous Energy Storage **2018**,		2
334	Joint Computation Offloading and Routing Optimization for UAV-Edge-Cloud Computing Environments **2018**,		12
333	Multicast in multi-channel cognitive radio ad hoc networks: Challenges and research aspects. *Computer Communications*, **2018**, 132, 10-16	5.1	5
332	Software-Defined Green 5G System for Big Data. *IEEE Communications Magazine*, **2018**, 56, 116-123	9.1	9
331	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	6.8	46
330	Energy-Efficient Coordinated Multipoint Scheduling in Green Cloud Radio Access Network. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 9922-9930	6.8	13
329	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	6.8	53
328	Online Green Data Gathering from Geo-Distributed IoT Networks via LEO Satellites **2018**,		9
327	Energy Management for EV Charging in Software-Defined Green Vehicle-to-Grid Network **2018**, 56, 156-163		22
326	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	4.1	14

325	Cost Efficient Resource Management in Fog Computing Supported Medical Cyber-Physical System. *IEEE Transactions on Emerging Topics in Computing*, **2017**, 5, 108-119	4.1	226
324	Energy-Efficient Event Detection by Participatory Sensing Under Budget Constraints. *IEEE Systems Journal*, **2017**, 11, 2490-2501	4.3	21
323	Optimization of Deployable Base Stations With Guaranteed QoE in Disaster Scenarios. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 6536-6552	6.8	7
322	An SDN-Based Architecture for Next-Generation Wireless Networks. *IEEE Wireless Communications*, **2017**, 24, 25-31	13.4	62
321	. *IEEE Transactions on Emerging Topics in Computing*, **2017**, 5, 438-448	4.1	33
320	Resilient information management system for disaster situations **2017**,		6
319	Strategic Antieavesdropping Game for Physical Layer Security in Wireless Cooperative Networks. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 9448-9457	6.8	31
318	Green Communications and Computing Networks **2017**, 55, 160-161		
317	A Pre-Authentication Approach to Proxy Re-Encryption in Big Data Context. *IEEE Transactions on Big Data*, **2017**, 1-1	3.2	22
316	. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 4602-4615	6.8	22
315	Robust Large-Scale Spectrum Auctions against False-Name Bids. *IEEE Transactions on Mobile Computing*, **2017**, 16, 1730-1743	4.6	22
314	Temporal Factor-Aware Video Affective Analysis and Recommendation for Cyber-Based Social Media. *IEEE Transactions on Emerging Topics in Computing*, **2017**, 5, 412-424	4.1	8
313	A Survey on Energy Internet Communications for Sustainability. *IEEE Transactions on Sustainable Computing*, **2017**, 2, 231-254	3.5	80
312	Effects of continental anthropogenic sources on organic aerosols in the coastal atmosphere of East China. *Environmental Pollution*, **2017**, 229, 350-361	9.3	11
311	Distributed Energy Management for Vehicle-to-Grid Networks. *IEEE Network*, **2017**, 31, 22-28	11.4	44
310	Antieavesdropping With Selfish Jamming in Wireless Networks: A Bertrand Game Approach. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 6268-6279	6.8	18
309	Crowdsourcing-Based Content-Centric Network: A Social Perspective. *IEEE Network*, **2017**, 31, 28-34	11.4	15
308	Cooperative QoS Beamforming for Multicast Transmission in Terrestrial-Satellite Networks **2017**,		5

307	. *IEEE Network*, **2017**, 31, 40-47	11.4	10
306	Top- k Queries for Categorized RFID Systems. *IEEE/ACM Transactions on Networking*, **2017**, 25, 2587-2600	3.0	22
305	High N2O5 Concentrations Observed in Urban Beijing: Implications of a Large Nitrate Formation Pathway. *Environmental Science and Technology Letters*, **2017**, 4, 416-420	11	113
304	Approximation and Online Algorithms for NFV-Enabled Multicasting in SDNs **2017**,		41
303	MELODY: A Long-Term Dynamic Quality-Aware Incentive Mechanism for Crowdsourcing **2017**,		12
302	Take Renewable Energy into CRAN toward Green Wireless Access Networks. *IEEE Network*, **2017**, 31, 62-68	11.4	19
301	Traffic-aware task placement with guaranteed job completion time for geo-distributed big data **2017**,		1
300	Service provisioning update scheme for mobile application users in a cloudlet network **2017**,		9
299	A reliable task assignment strategy for spatial crowdsourcing in big data environment **2017**,		2
298	Optimal transmission strategy for sensors to defend against eavesdropping and jamming attacks **2017**,		7
297	Preemptive dynamic scheduling algorithm for data relay satellite systems **2017**,		3
296	**2017**, 55, 24-30		68
295	. *IEEE Transactions on Network and Service Management*, **2017**, 14, 631-645	4.8	13
294	Optimal Satellite Scheduling with Critical Node Analysis **2017**,		1
293	Temporal and spatial distribution of PM chemical composition in a coastal city of Southeast China. *Science of the Total Environment*, **2017**, 605-606, 337-346	10.2	26
292	Traffic-Aware Geo-Distributed Big Data Analytics with Predictable Job Completion Time. *IEEE Transactions on Parallel and Distributed Systems*, **2017**, 28, 1785-1796	3.7	42
291	Distributed Segment-Based Anomaly Detection With Kullback Leibler Divergence in Wireless Sensor Networks. *IEEE Transactions on Information Forensics and Security*, **2017**, 12, 101-110	8	35
290	A Game Theoretic Approach to Parked Vehicle Assisted Content Delivery in Vehicular Ad Hoc Networks. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 6461-6474	6.8	79

289	Spectrum-Aware Network Coded Multicast in Mobile Cognitive Radio Ad Hoc Networks. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 5340-5350	6.8	15
288	Multi-Category RFID Estimation. *IEEE/ACM Transactions on Networking*, **2017**, 25, 264-277	3.8	40
287	New particle formation in China: Current knowledge and further directions. *Science of the Total Environment*, **2017**, 577, 258-266	10.2	78
286	Editorial for Special Issue on Social Computing. *Mobile Networks and Applications*, **2017**, 22, 151-152	2.9	
285	A Selective Privacy-Preserving Approach for Multimedia Data. *IEEE MultiMedia*, **2017**, 24, 14-25	2.1	18
284	Efficient Trustworthiness Management for Malicious User Detection in Big Data Collection. *IEEE Transactions on Big Data*, **2017**, 1-1	3.2	12
283	Robust Secure Beamforming for Cognitive Satellite Terrestrial Networks at Millimeter-Wave Frequency **2017**,		2
282	Achieving Sustainable Ultra-Dense Heterogeneous Networks for 5G **2017**, 55, 84-90		166
281	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	6.8	35
280	Gasoline aromatics: a critical determinant of urban secondary organic aerosol formation. *Atmospheric Chemistry and Physics*, **2017**, 17, 10743-10752	6.8	34
279	Influence of biomass burning from South Asia at a high-altitude mountain receptor site in China. *Atmospheric Chemistry and Physics*, **2017**, 17, 6853-6864	6.8	30
278	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	6.8	12
277	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	6.8	87
276	TDRSS Scheduling Algorithm for Non-Uniform Time-Space Distributed Missions **2017**,		5
275	Green Communications and Computing Networks **2017**, 55, 12-13		3
274	Online Internet Traffic Measurement and Monitoring Using Spark Streaming **2017**,		4
273	Parallel Agent-as-a-Service (P-AaaS) Based Geospatial Service in the Cloud. *Remote Sensing*, **2017**, 9, 382	5	6
272	Traffic scheduling for deep packet inspection in software-defined networks. *Concurrency Computation Practice and Experience*, **2017**, 29, e3967	1.4	12

271	Particle Routing in Distributed Particle Filters for Large-Scale Spatial Temporal Systems. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 481-493	3.7	12
270	A Truthful Double Auction for Device-to-Device Communications in Cellular Networks. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 71-81	14.2	31
269	Cost Minimization for Rule Caching in Software Defined Networking. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 1007-1016	3.7	42
268	A Feasible IP Traceback Framework through Dynamic Deterministic Packet Marking. *IEEE Transactions on Computers*, **2016**, 65, 1418-1427	2.5	36
267	A General Communication Cost Optimization Framework for Big Data Stream Processing in Geo-Distributed Data Centers. *IEEE Transactions on Computers*, **2016**, 65, 19-29	2.5	88
266	Congestion control in social-based sensor networks: A social network perspective. *Peer-to-Peer Networking and Applications*, **2016**, 9, 681-691	3.1	5
265	An Efficient Privacy-Preserving Ranked Keyword Search Method. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 951-963	3.7	99
264	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	3.7	29
263	Variations of fine particle physiochemical properties during a heavy haze episode in the winter of Beijing. *Science of the Total Environment*, **2016**, 571, 103-9	10.2	28
262	Joint middlebox selection and routing for software-defined networking **2016**,		16
261	Evolution of secondary inorganic and organic aerosols during transport: A case study at a regional receptor site. *Environmental Pollution*, **2016**, 218, 794-803	9.3	15
260	Joint optimization on switch activation and flow routing towards energy efficient software defined data center networks **2016**,		8
259	D2D-based content delivery with parked vehicles in vehicular social networks. *IEEE Wireless Communications*, **2016**, 23, 90-95	13.4	72
258	**2016**,		33
257	Maximizing Lifetime of Data-Gathering Trees With Different Aggregation Modes in WSNs. *IEEE Sensors Journal*, **2016**, 16, 8167-8177	4	23
256	Green DataPath for TCAM-Based Software-Defined Networks **2016**, 54, 194-201		36
255	Privacy-Preserving Access to Big Data in the Cloud. *IEEE Cloud Computing*, **2016**, 3, 34-42		17
254	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	11.5	803

253	Guest Editorial Special Issue on Large-Scale Internet of Things. *IEEE Internet of Things Journal*, **2016**, 3, 439-440	10.7	2
252	Demand-Addressable Sensor Network: Toward Large-Scale Active Information Acquisition. *IEEE Sensors Journal*, **2016**, 16, 7421-7432	4	1
251	Protection of Big Data Privacy. *IEEE Access*, **2016**, 4, 1821-1834	3.5	112
250	. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 2177-2185	11.9	35
249	On Traffic-Aware Partition and Aggregation in MapReduce for Big Data Applications. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 818-828	3.7	24
248	Near-Optimal One-Sided Scheduling for Coded Segmented Network Coding. *IEEE Transactions on Computers*, **2016**, 65, 929-939	2.5	23
247	A Game Theoretical Incentive Scheme for Relay Selection Services in Mobile Social Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 6692-6702	6.8	97
246	Big Data Analytics for Emergency Communication Networks: A Survey. *IEEE Communications Surveys and Tutorials*, **2016**, 18, 1758-1778	37.1	56
245	Joint Optimization of Task Scheduling and Image Placement in Fog Computing Supported Software-Defined Embedded System. *IEEE Transactions on Computers*, **2016**, 65, 3702-3712	2.5	271
244	Efficient Algorithms for Capacitated Cloudlet Placements. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 2866-2880	3.7	148
243	Mechanism of New Particle Formation and Growth as well as Environmental Effects under Complex Air Pollution in China. *Acta Chimica Sinica*, **2016**, 74, 385	3.3	6
242	Towards Shift Tolerant Visual Secret Sharing Schemes without Pixel Expansion. *MATEC Web of Conferences*, **2016**, 71, 01002	0.3	
241	Fault-Tolerant Visual Secret Sharing Schemes without Pixel Expansion. *Applied Sciences (Switzerland)*, **2016**, 6, 18	2.6	2
240	A K self-adaptive SDN controller placement for wide area networks. *Frontiers of Information Technology and Electronic Engineering*, **2016**, 17, 620-633	2.2	24
239	Green communications and computing networks [Series Editorial] **2016**, 54, 106-107		10
238	. *IEEE Transactions on Multimedia*, **2016**, 18, 1749-1761	6.6	7
237	OH-Initiated Oxidation of m-Xylene on Black Carbon Aging. *Environmental Science & Technology*, **2016**, 50, 8605-12	10.3	36
236	Big Data Analytics for Price Forecasting in Smart Grids **2016**,		13

235	Online Scheduling of Mobile Stations for Disaster Management **2016**,		5
234	Energy-Efficient Power Control for Device-to-Device Communications with Max-Min Fairness **2016**,		7
233	Throughput Maximization in Software-Defined Networks with Consolidated Middleboxes **2016**,		14
232	Green Industrial Internet of Things Architecture: An Energy-Efficient Perspective **2016**, 54, 48-54		285
231	Photochemical smog in China: scientific challenges and implications for air-quality policies. *National Science Review*, **2016**, 3, 401-403	10.8	41
230	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, 4266-71	11.5	339
229	Rank-Based Image Watermarking Method With High Embedding Capacity and Robustness. *IEEE Access*, **2016**, 4, 1689-1699	3.5	29
228	Big Data Meet Green Challenges: Big Data Toward Green Applications. *IEEE Systems Journal*, **2016**, 10, 888-900	4.3	228
227	Big Data Meet Green Challenges: Greening Big Data. *IEEE Systems Journal*, **2016**, 10, 873-887	4.3	144
226	Spatial distributions and chemical properties of PM2.5 based on 21 field campaigns at 17 sites in China. *Chemosphere*, **2016**, 159, 480-487	8.4	42
225	Near-Optimal Routing Protection for In-Band Software-Defined Heterogeneous Networks. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 2918-2934	14.2	24
224	Just-in-Time Code Offloading for Wearable Computing. *IEEE Transactions on Emerging Topics in Computing*, **2015**, 3, 74-83	4.1	66
223	Heterogeneous chemistry of glyoxal on acidic solutions. An oligomerization pathway for secondary organic aerosol formation. *Journal of Physical Chemistry A*, **2015**, 119, 4457-63	2.8	27
222	. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 2615-2626	6.8	4
221	On-demand Customizable Wireless Sensor Network. *Procedia Computer Science*, **2015**, 52, 302-309	1.6	3
220	A MapReduce based Parallel Niche Genetic Algorithm for contaminant source identification in water distribution network. *Ad Hoc Networks*, **2015**, 35, 116-126	4.8	36
219	The identification of source regions of black carbon at a receptor site off the eastern coast of China. *Atmospheric Environment*, **2015**, 100, 78-84	5.3	16
218	. *IEEE Transactions on Computers*, **2015**, 64, 1819-1829	2.5	18

217	Opportunistic Offloading of Deadline-Constrained Bulk Cellular Traffic in Vehicular DTNs. *IEEE Transactions on Computers*, **2015**, 64, 3515-3527	2.5	14
216	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	4.1	
215	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2015**, 25, 717-729	6.4	69
214	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	11.5	13
213	Formation of urban fine particulate matter. *Chemical Reviews*, **2015**, 115, 3803-55	68.1	717
212	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	11.5	3
211	Incentive mechanisms for device-to-device communications. *IEEE Network*, **2015**, 29, 75-79	11.4	35
210	Software-defined wireless mesh networks: architecture and traffic orchestration. *IEEE Network*, **2015**, 29, 24-30	11.4	62
209	FDRC: Flow-driven rule caching optimization in software defined networking **2015**,		14
208	Relay placement for latency minimization in delay tolerant networks **2015**,		6
207	Aggregation on the fly: reducing traffic for big data in the cloud. *IEEE Network*, **2015**, 29, 17-23	11.4	10
206	Spread Spectrum-Based High Embedding Capacity Watermarking Method for Audio Signals. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2015**, 23, 2228-2237	3.6	43
205	Malware Propagation in Large-Scale Networks. *IEEE Transactions on Knowledge and Data Engineering*, **2015**, 27, 170-179	4.2	73
204	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	3.8	47
203	Optimal Task Placement with QoS Constraints in Geo-Distributed Data Centers Using DVFS. *IEEE Transactions on Computers*, **2015**, 64, 2049-2059	2.5	46
202	. *IEEE Transactions on Parallel and Distributed Systems*, **2015**, 26, 824-833	3.7	26
201	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	3.7	10
200	Optimal VM placement in data centres with architectural and resource constraints. *International Journal of Autonomous and Adaptive Communications Systems*, **2015**, 8, 392	0.6	4

199	Trajectory and Data Planning for Mobile Relay to Enable Efficient Internet Access after Disasters **2015**,		23
198	Maximizing Lifetime of Data-Gathering Trees with Different Aggregation Modes in WSNs **2015**,		2
197	Joint optimization of VM placement and request distribution for electricity cost cut in geo-distributed data centers **2015**,		11
196	Insight into characteristics and sources of PM2.5 in the Beijing‖Tianjin‖Hebei region, China. *National Science Review*, **2015**, 2, 257-258	10.8	38
195	A General Communication Cost Optimization Framework for Big Data Stream Processing in Geo-Distributed Data Centers. *Wireless Networks*, **2015**, 79-100	0.6	2
194	eBay in the Clouds: False-Name-Proof Auctions for Cloud Resource Allocation **2015**,		6
193	Cost Minimization for Big Data Processing in Geo-Distributed Data Centers. *Wireless Networks*, **2015**, 59-78	0.6	8
192	Capacitated cloudlet placements in Wireless Metropolitan Area Networks **2015**,		44
191	. *IEEE Transactions on Computers*, **2015**, 64, 139-151	2.5	51
190	Joint Optimization of Rule Placement and Traffic Engineering for QoS Provisioning in Software Defined Network. *IEEE Transactions on Computers*, **2015**, 64, 3488-3499	2.5	53
189	Segment-Based Anomaly Detection with Approximated Sample Covariance Matrix in Wireless Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2015**, 26, 574-583	3.7	30
188	Exploiting Small World Properties for Message Forwarding in Delay Tolerant Networks. *IEEE Transactions on Computers*, **2015**, 64, 2809-2818	2.5	17
187	. *IEEE Transactions on Computers*, **2015**, 64, 3128-3139	2.5	91
186	Cloud Networking. *Wireless Networks*, **2015**, 33-56	0.6	
185	Background Introduction. *Wireless Networks*, **2015**, 3-16	0.6	
184	Cost Minimization for Big Data Processing in Geo-Distributed Data Centers. *IEEE Transactions on Emerging Topics in Computing*, **2014**, 2, 314-323	4.1	65
183	RENDEZVOUS: towards fast event detecting in wireless sensor and actor networks. *Computing (Vienna/New York)*, **2014**, 96, 995-1010	2.2	24
182	Joint Resource Allocation for Max-Min Throughput in Multicell Networks. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 4546-4559	6.8	14

181	. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 2245-2254	3.7	145
180	Delay and Capacity Analysis in MANETs with Correlated Mobility and ${f}$ -Cast Relay. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 2829-2839	3.7	2
179	A software defined wireless sensor network **2014**,		31
178	Fine-grained resource allocation for cooperative device-to-device communication in cellular networks. *IEEE Wireless Communications*, **2014**, 21, 35-40	13.4	11
177	Chameleon Hashing for Secure and Privacy-Preserving Vehicular Communications. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 2794-2803	3.7	43
176	Acid-catalyzed reactions of epoxides for atmospheric nanoparticle growth. *Journal of the American Chemical Society*, **2014**, 136, 15477-80	16.4	12
175	Byzantine-resilient secure software-defined networks with multiple controllers **2014**,		16
174	Minimum-energy reprogramming with guaranteed quality-of-sensing in software-defined sensor networks **2014**,		9
173	Load balancing for privacy-preserving access to big data in cloud **2014**,		7
172	Joint optimization of task mapping and routing for service provisioning in distributed datacenters **2014**,		5
171	Order-Optimal Information Dissemination in MANETs via Network Coding. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 1841-1851	3.7	8
170	. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 1886-1895	3.7	20
169	On Social Delay-Tolerant Networking: Aggregation, Tie Detection, and Routing. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 1563-1573	3.7	17
168	Reliable Bulk-Data Dissemination in Delay Tolerant Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 2180-2189	3.7	19
167	Modeap: Moving Desktop Application to Mobile Cloud Service. *Mobile Networks and Applications*, **2014**, 19, 563-571	2.9	4
166	Patchwork-Based Audio Watermarking Method Robust to De-synchronization Attacks. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2014**, 22, 1413-1423	3.6	46
165	Daytime HONO formation in the suburban area of the megacity Beijing, China. *Science China Chemistry*, **2014**, 57, 1032-1042	7.9	45
164	Reliable Multicast with Pipelined Network Coding Using Opportunistic Feeding and Routing. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 3264-3273	3.7	139

163	On the Throughput of Two-Way Relay Networks Using Network Coding. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 191-199	3.7	14
162	Quantitative analysis of MTTF of composite web services **2014**, 37, 506-516		2
161	The joint optimization of rules allocation and traffic engineering in Software Defined Network **2014**,		12
160	An energy-aware deadline-constrained message delivery in delay-tolerant networks. *Wireless Networks*, **2014**, 20, 1981-1993	2.5	12
159	Adaptive Parameter Estimation of Power System Dynamic Model Using Modal Information. *IEEE Transactions on Power Systems*, **2014**, 29, 2854-2861	7	16
158	CACC: A context-aware congestion control approach in smartphone networks **2014**, 52, 42-48		6
157	Architecture-based design and optimization of genetic algorithms on multi- and many-core systems. *Future Generation Computer Systems*, **2014**, 38, 75-91	7.5	19
156	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	6.8	72
155	Trajectory and Data Planning for Mobile Relay to Enable Efficient Internet Access after Disasters **2014**,		3
154	On-Time Warning Delivery for Vehicular Ad Hoc Networks. *Computer*, **2014**, 47, 6-6	1.6	
153	Cloud forming potential of oligomers relevant to secondary organic aerosols. *Geophysical Research Letters*, **2014**, 41, 6538-6545	4.9	17
152	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	3.7	76
151	Towards Latency-Aware Data Acquisition in Wireless Sensor Network **2014**,		1
150	Modeling content acquisition in two-dimensional content-centric MANETs **2014**,		1
149	MoRule: Optimized rule placement for mobile users in SDN-enabled access networks **2014**,		13
148	. *IEEE Transactions on Computers*, **2014**, 1-1	2.5	17
147	Byzantine-Resilient Secure Software-Defined Networks with Multiple Controllers in Cloud. *IEEE Transactions on Cloud Computing*, **2014**, 2, 436-447	3.3	66
146	Delay minimization by exploring full-duplex capacity and relay-based cooperative scheduling in WLANs. *Journal of Network and Computer Applications*, **2014**, 46, 407-417	7.9	2

145	Crowdsourcing on mobile cloud: Cost minimization of joint data acquisition and processing **2014**,		3
144	Cooperative Device-to-Device Communication in Cognitive Radio Cellular Networks. *SpringerBriefs in Computer Science*, **2014**,	0.4	3
143	Study on the Music Rhythm Iambs Relationship Modeling Method. *Applied Mechanics and Materials*, **2014**, 513-517, 2012-2015	0.3	
142	DASN **2014**,		2
141	Latency-optimized broadcast in mobile ad hoc networks without node coordination **2014**,		1
140	Energy-Efficient Transmission Scheduling in Mobile Phones using Machine Learning and Participatory Sensing. *IEEE Transactions on Vehicular Technology*, **2014**, 1-1	6.8	2
139	Deactivation-controlled epidemic routing in disruption tolerant networks with multiple sinks **2014**,		2
138	A Truthful QoS-Aware Spectrum Auction with Spatial Reuse for Large-Scale Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 2499-2508	3.7	23
137	Optimal Transmission Scheduling of Cooperative Communications with a Full-Duplex Relay. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 2353-2363	3.7	10
136	Elucidating severe urban haze formation in China. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17373-8	11.5	1076
135	A multi-attribute decision making approach to congestion control in delay tolerant networks **2014**,		5
134	Lifetime optimization for reliable broadcast and multicast in wirelessad hocnetworks. *Wireless Communications and Mobile Computing*, **2014**, 14, 221-231	1.9	8
133	On Efficient Resource Allocation for Cognitive and Cooperative Communications. *IEEE Journal on Selected Areas in Communications*, **2014**, 32, 264-273	14.2	31
132	On the Multicast Lifetime of WANETs with Multibeam Antennas: Formulation, Algorithms, and Analysis. *IEEE Transactions on Computers*, **2014**, 1-1	2.5	4
131	Max-Min Lifetime Optimization for Cooperative Communications in Multi-Channel Wireless Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 1533-1542	3.7	13
130	On the Multicast Lifetime of WANETs with Multibeam Antennas: Formulation, Algorithms, and Analysis. *IEEE Transactions on Computers*, **2014**, 63, 1988-2001	2.5	6
129	Workload-Aware Caching Policy for Information-Centric Networking. *IEICE Transactions on Communications*, **2014**, E97.B, 2157-2166	0.5	1
128	Research on Secondary Organic Aerosols Basing on Field Measurement. *Acta Chimica Sinica*, **2014**, 72, 145	3.3	7

127	Comparison of Secondary Organic Aerosol Estimation Methods. *Acta Chimica Sinica*, **2014**, 72, 658	3.3	9
126	Capacity Maximization of Cooperative Device-to-Device Communication. *SpringerBriefs in Computer Science*, **2014**, 19-39	0.4	2
125	Cooperative Device-to-Device Communication for Broadcast. *SpringerBriefs in Computer Science*, **2014**, 61-75	0.4	
124	Energy Efficiency of Cooperative Device-to-Device Communication. *SpringerBriefs in Computer Science*, **2014**, 41-59	0.4	
123	A measurement-based study on user management in private BitTorrent communities. *Concurrency Computation Practice and Experience*, **2013**, 25, 2052-2066	1.4	1
122	Novel z-domain precoding method for blind separation of spatially correlated signals. *IEEE Transactions on Neural Networks and Learning Systems*, **2013**, 24, 94-105	10.3	9
121	Special phenomena from a single liquid drop impact on wetted cylindrical surfaces. *Experimental Thermal and Fluid Science*, **2013**, 51, 18-27	3	63
120	HAT: history-based auto-tuning MapReduce in heterogeneous environments. *Journal of Supercomputing*, **2013**, 64, 1038-1054	2.5	17
119	Maximum-Lifetime Coding Tree for Multicast in Lossy Wireless Networks. *IEEE Wireless Communications Letters*, **2013**, 2, 295-298	5.9	5
118	Evolution of Software-Defined Sensor Networks **2013**,		36
117	A general cloud firewall framework with dynamic resource allocation **2013**,		19
116	Social-Aware Relay Node Selection in Delay Tolerant Networks **2013**,		8
115	ANTS: Pushing the rapid event notification in wireless sensor and actor networks **2013**,		3
114	Delay minimization for reliable data collection on overhead transmission lines in smart grid **2013**,		2
113	Stochastic analysis on epidemic dissemination of lifetime-controlled messages in DTNs **2013**,		2
112	A dynamical Deterministic Packet Marking scheme for DDoS traceback **2013**,		1
111	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	3.7	7
110	Coding-Aware Proportional-Fair Scheduling in OFDMA Relay Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2013**, 24, 1727-1740	3.7	4

109	Role of OH-initiated oxidation of isoprene in aging of combustion soot. *Environmental Science & Technology*, **2013**, 47, 2254-63	10.3	69
108	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	4.1	15
107	Vehicular cloud computing: A survey **2013**,		5
106	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	5.3	46
105	Leverage parking cars in a two-tier data center **2013**,		2
104	Joint relay assignment and channel allocation for energy-efficient cooperative communications **2013**,		11
103	QoS-Aware Task Placement in Geo-distributed Data Centers with Low OPEX Using Dynamic Frequency Scaling **2013**,		1
102	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2013**, 43, 379-389	7.3	5
101	Quantitative evaluation of emission controls on primary and secondary organic aerosol sources during Beijing 2008 Olympics. *Atmospheric Chemistry and Physics*, **2013**, 13, 8303-8314	6.8	77
100	Special Issue on Cyber-Physical Systems (CPS)—Part II. *IEEE Transactions on Emerging Topics in Computing*, **2013**, 1, 203-206	4.1	1
99	Special Issue on Cyber-Physical Systems (CPS)—Part I. *IEEE Transactions on Emerging Topics in Computing*, **2013**, 1, 6-9	4.1	2
98	14C-Based source assessment of carbonaceous aerosols at a rural site. *Atmospheric Environment*, **2012**, 50, 36-40	5.3	22
97	Unicast and Broadcast Throughput Maximization in Amplify-and-Forward Relay Networks. *IEEE Transactions on Vehicular Technology*, **2012**, 61, 2768-2776	6.8	24
96	On the Throughput of Feedbackless Segmented Network Coding in Delay Tolerant Networks. *IEEE Wireless Communications Letters*, **2012**, 1, 93-96	5.9	11
95	Neighbor Similarity Trust against Sybil Attack in P2P E-commerce **2012**,		1
94	Discriminating DDoS Attacks from Flash Crowds Using Flow Correlation Coefficient. *IEEE Transactions on Parallel and Distributed Systems*, **2012**, 23, 1073-1080	3.7	125
93	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, 9941-7	10.3	98
92	CodePipe: An opportunistic feeding and routing protocol for reliable multicast with pipelined network coding **2012**,		18

91	Capacity maximization in cooperative CRNs: Joint relay assignment and channel allocation **2012**,		17
90	Robust Patchwork-Based Embedding and Decoding Scheme for Digital Audio Watermarking. *IEEE Transactions on Audio Speech and Language Processing*, **2012**, 20, 2232-2239		41
89	Synchronous machine inertia constants updating using Wide Area Measurements **2012**,		5
88	A lightweight privacy-preserving protocol using chameleon hashing for secure vehicular communications **2012**,		13
87	A chain-cluster based routing algorithm for wireless sensor networks. *Journal of Intelligent Manufacturing*, **2012**, 23, 1305-1313	6.7	56
86	An efficient and scalable ubiquitous storage scheme for delay-sensitive IT applications. *Journal of Intelligent Manufacturing*, **2012**, 23, 955-963	6.7	
85	Delay and Capacity Trade-offs in Mobile Wireless Networks with Infrastructure Support. *Journal of Computer Science and Technology*, **2012**, 27, 328-340	1.7	1
84	All-to-all throughput maximization in wireless relay networks with multiple packet reception **2012**,		1
83	Can we beat legitimate cyber behavior mimicking attacks from botnets? **2012**,		25
82	Dynamic segmented network coding for reliable data dissemination in delay tolerant networks **2012**,		10
81	Improving throughput by fine-grained channel allocation in cooperative wireless networks **2012**,		5
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77	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	6.8	53
76	A Remote Mutual Situation-Aware Model by Detecting Entrance and Exit Behaviors in Smart Home. *Lecture Notes in Electrical Engineering*, **2012**, 179-187	0.2	1
75	IF-THEN in the Internet of Things **2011**,		1
74	The Exploration of Network Coding in IEEE 802.15.4 Networks. *International Journal of Digital Multimedia Broadcasting*, **2011**, 2011, 1-9	0.8	4

73	Measurements of gaseous H_2SO_4 by AP-ID-CIMS during CAREBeijing 2008 Campaign. *Atmospheric Chemistry and Physics*, **2011**, 11, 7755-7765	6.8	50
72	Energy Efficiency of a Multi-Core Processor by Tag Reduction. *Journal of Computer Science and Technology*, **2011**, 26, 491-503	1.7	2
71	FELL: A Flexible Virtual Network Embedding Algorithm with Guaranteed Load Balancing **2011**,		26
70	On the maximum throughput of two-hop wireless network coding **2011**,		8
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62	Performance bounds for Turbo-coded SC-PSK/FSO communications over strong turbulence channels **2011**,		3
61	Segmented Network Coding for Stream-Like Applications in Delay Tolerant Networks **2011**,		3
60	The Web of Things: A Survey (Invited Paper). *Journal of Communications*, **2011**, 6,	0.5	142
59	A Scalable Multiprocessor Architecture for Pervasive Computing. *Lecture Notes in Computer Science*, **2011**, 42-51	0.9	
58	Balanced Bipartite Graph Based Register Allocation for Network Processors in Mobile and Wireless Networks. *Mobile Information Systems*, **2010**, 6, 65-83	1.4	
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56	Performance evaluation of network coding in disruption tolerant networks **2010**,		3

55	An energy aware MAC protocol for Wireless Personal Area Networks **2010**,		1
54	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
53	Distributed Approximation Algorithms for Longest-Lived Multicast in WANETs with Directional Antennas. *IEEE Transactions on Wireless Communications*, **2010**, 9, 2227-2237	9.6	3
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45	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	6.8	154
44	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	6.8	46
43	A Secure and Scalable Rekeying Mechanism for Hierarchical Wireless Sensor Networks. *IEICE Transactions on Information and Systems*, **2010**, E93-D, 421-429	0.6	0
42	Tier-Based Scalable and Secure Routing for Wireless Sensor Networks with Mobile Sinks. *IEICE Transactions on Information and Systems*, **2010**, E93-D, 458-465	0.6	
41	Designing energy efficient target tracking protocol with quality monitoring in wireless sensor networks. *Journal of Supercomputing*, **2010**, 51, 131-148	2.5	15
40	Exact and performance-guaranteed multicast algorithms for lifetime optimization in WANETs. *Networks*, **2010**, 55, 287-297	1.6	
39	The Core Degree Based Tag Reduction on Chip Multiprocessor to Balance Energy Saving and Performance Overhead. *Lecture Notes in Computer Science*, **2010**, 358-372	0.9	1
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34	A scalable key pre-distribution mechanism for large-scale wireless sensor networks. *Concurrency Computation Practice and Experience*, **2009**, 21, 1373-1387	1.4	3
33	A framework for the multicast lifetime maximization problem in energy-constrained wireless ad-hoc networks. *Wireless Networks*, **2009**, 15, 313-329	2.5	2
32	An efficient and scalable key distribution mechanism for hierarchical wireless sensor networks **2009**,		1
31	Research on the hygroscopic properties of aerosols by measurement and modeling during CAREBeijing-2006. *Journal of Geophysical Research*, **2009**, 114,		71
30	Characteristics of aerosol size distributions and new particle formation in the summer in Beijing. *Journal of Geophysical Research*, **2009**, 114,		101
29	Analysis of the Availability of Composite Web Services **2009**,		3
28	A message complexity oriented design of distributed algorithm for long-lived multicasting in wireless sensor networks. *International Journal of Sensor Networks*, **2009**, 6, 180	0.8	3
27	A Flexible and Efficient Key Distribution Scheme for Renewable Wireless Sensor Networks. *Eurasip Journal on Wireless Communications and Networking*, **2009**, 2009,	3.2	2
26	The Design and Evaluation of a Selective Way Based Trace Cache. *Lecture Notes in Computer Science*, **2009**, 95-109	0.9	0
25	Maximizing Multicast Communication Lifetime in Wireless Mobile Ad Hoc Networks. *IEEE Transactions on Vehicular Technology*, **2008**, 57, 2414-2425	6.8	14
24	Performance Analysis of Resource Allocation Algorithms Using Cache Technology for Pervasive Computing System **2008**,		4
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22	Improving Scalability for Longest-lived Multicast Using Localized Operations in WANETs **2007**,		1
21	Energy-aware multicasting in wireless ad hoc networks: A survey and discussion. *Computer Communications*, **2007**, 30, 2129-2148	5.1	72
20	Approximation algorithms for longest-lived directional multicast communications in WANETs **2007**,		8

19	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	3.2	9
18	Localized Operations for Distributed Minimum Energy Multicast Algorithm in Mobile Ad Hoc Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2007**, 18, 186-198	3.7	15
17	Adaptive Semantic Interoperability Strategies for Knowledge Based Networking **2007**, 1187-1199		4
16	A scalable distributed multicast algorithm for lifetime maximization in large-scale resource-limited multihop wireless networks **2006**,		5
15	Low-cost communication for rural internet kiosks using mechanical backhaul **2006**,		87
14	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**,		6
13	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	4.6	25
12	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	9.6	1
11	A Constraint Formulation for Minimum-Energy Multicast Routing in Wireless Multihop Ad-hoc Networks. *Wireless Networks*, **2006**, 12, 23-32	2.5	4
10	Towards a Managed Extensible Control Plane for Knowledge-Based Networking. *Lecture Notes in Computer Science*, **2006**, 98-111	0.9	13
9	Improving source routing reliability in mobile ad hoc networks. *IEEE Transactions on Parallel and Distributed Systems*, **2005**, 16, 362-373	3.7	21
8	On upper bound and heuristics for multicast lifetime maximization using dynamic routing in energy-limited wireless ad hoc networks **2005**,		1
7	Antenna orientation optimization for minimum-energy multicast tree construction in wireless ad hoc networks with directional antennas **2004**,		19
6	QoS-aware minimum energy multicast tree construction in wireless ad hoc networks. *Ad Hoc Networks*, **2004**, 2, 217-229	4.8	14
5	Formulation of optimal tree construction for maximum lifetime multicasting in wireless ad-hoc networks with adaptive antennas		5
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