

# Jian Song

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

669

citations

14

h-index

23

g-index

85

ext. papers

877

ext. citations

4.4

avg, IF

3.88

L-index

#	Paper	IF	Citations
67	DeepCC: Bridging the Gap Between Congestion Control and Applications via Multiobjective Optimization. <i>IEEE/ACM Transactions on Networking</i> , <b>2022</b> , 1-15	3.8	
66	Traffic-Aware Buffer Management in Shared Memory Switches. <i>IEEE/ACM Transactions on Networking</i> , <b>2022</b> , 1-15	3.8	
65	. <i>IEEE/ACM Transactions on Networking</i> , <b>2021</b> , 1-16	3.8	0
64	Reinforcement Learning Based Congestion Control in a Real Environment <b>2020</b> ,		3
63	HyCloud: Tweaking Hybrid Cloud Storage Services for Cost-Efficient Filesystem Hosting. <i>IEEE/ACM Transactions on Networking</i> , <b>2020</b> , 28, 2629-2642	3.8	3
62	Cost-Efficient Scheduling of Bulk Transfers in Inter-Datacenter WANs. <i>IEEE/ACM Transactions on Networking</i> , <b>2019</b> , 27, 1973-1986	3.8	6
61	Software-Defined Wide Area Network (SD-WAN): Architecture, Advances and Opportunities <b>2019</b> ,		16
60	TailCutter: Wisely Cutting Tail Latency in Cloud CDNs Under Cost Constraints. <i>IEEE/ACM Transactions on Networking</i> , <b>2019</b> , 27, 1612-1628	3.8	3
59	S2Net: Preserving Privacy in Smart Home Routers. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2019</b> , 1-1	3.9	1
58	. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2018</b> , 29, 2059-2074	3.7	3
57	CoCloud: Enabling Efficient Cross-Cloud File Collaboration Based on Inefficient Web APIs. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2018</b> , 29, 56-69	3.7	9
56	Diamond: Nesting the Data Center Network With Wireless Rings in 3-D Space. <i>IEEE/ACM Transactions on Networking</i> , <b>2018</b> , 26, 145-160	3.8	13
55	Is cloud storage ready? Performance comparison of representative IP-based storage systems. <i>Journal of Systems and Software</i> , <b>2018</b> , 138, 206-221	3.3	6
54	Dependency- and similarity-aware caching for HTTP adaptive streaming. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 1453-1474	2.5	2
53	Improving Quality of Experience for Mobile Broadcasters in Personalized Live Video Streaming <b>2018</b> ,		1
52	I Can Hear More: Pushing the Limit of Ultrasound Sensing on Off-the-Shelf Mobile Devices <b>2018</b> ,		4
51	CoNFV: An Endhost-Cloud Collaborated Network Function Virtualization Framework <b>2018</b> ,		1

50	Truthful Online Auction Toward Maximized Instance Utilization in the Cloud. <i>IEEE/ACM Transactions on Networking</i> , <b>2018</b> , 26, 2132-2145	3.8	5
49	Task Scheduling with Optimized Transmission Time in Collaborative Cloud-Edge Learning <b>2018</b> ,		13
48	QuickSync: Improving Synchronization Efficiency for Mobile Cloud Storage Services. <i>IEEE Transactions on Mobile Computing</i> , <b>2017</b> , 16, 3513-3526	4.6	13
47	Generic application layer protocol translation for IPv4/IPv6 transition <b>2017</b> ,		2
46	Traffic-Aware Virtual Machine Migration in Topology-Adaptive DCN. <i>IEEE/ACM Transactions on Networking</i> , <b>2017</b> , 25, 3427-3440	3.8	6
45	Truthful Online Auction for Cloud Instance Subletting <b>2017</b> ,		4
44	Performance-Aware Energy Optimization on Mobile Devices in Cellular Network. <i>IEEE Transactions on Mobile Computing</i> , <b>2017</b> , 16, 1073-1089	4.6	15
43	SPABox: Safeguarding Privacy During Deep Packet Inspection at a MiddleBox. <i>IEEE/ACM Transactions on Networking</i> , <b>2017</b> , 25, 3753-3766	3.8	21
42	TECH: A Thermal-Aware and Cost Efficient Mechanism for Colocation Demand Response <b>2016</b> ,		6
41	Indoor Tracking Using Crowdsourced Maps <b>2016</b> ,		6
40	Traffic-aware virtual machine migration in topology-adaptive DCN <b>2016</b> ,		6
39	Inter-player Delay Optimization in Multiplayer Cloud Gaming <b>2016</b> ,		9
38	TailCutter: Wisely cutting tail latency in cloud CDN under cost constraints <b>2016</b> ,		7
37	Integrated, Distributed Traffic Control in Multidomain Networks. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 1373-1386	4.8	7
36	Cooperative Coverage Extension for Relay-Union Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2015</b> , 26, 371-381	3.7	3
35	Demand-Aware Load Balancing in Wireless LANs Using Association Control <b>2015</b> ,		6
34	Dynamic configuration for IPv4/IPv6 address mapping in 4over6 technology <b>2015</b> ,		1
33	TSWiFi: An optimal payment-based traffic sharing in mobile networks <b>2015</b> ,		1

32	Path diversified multi-QoS optimization in multi-channel wireless mesh networks. <i>Wireless Networks</i> , <b>2014</b> , 20, 1583-1596	2.5	4
31	AP Association for Proportional Fairness in Multirate WLANs. <i>IEEE/ACM Transactions on Networking</i> , <b>2014</b> , 22, 191-202	3.8	63
30	Performance-aware energy optimization on mobile devices in cellular network <b>2014</b> ,		15
29	Modeling Energy Consumption of Data Transmission Over Wi-Fi. <i>IEEE Transactions on Mobile Computing</i> , <b>2014</b> , 13, 1760-1773	4.6	35
28	Demand-Aware Load Balancing in Wireless LANs Using Association Control <b>2014</b> ,		1
27	Safe and Practical Energy-Efficient Detour Routing in IP Networks. <i>IEEE/ACM Transactions on Networking</i> , <b>2014</b> , 22, 1925-1937	3.8	18
26	Energy efficiency on location based applications in mobile cloud computing: a survey. <i>Computing (Vienna/New York)</i> , <b>2014</b> , 96, 569-585	2.2	14
25	A Model Approach to the Estimation of Peer-to-Peer Traffic Matrices. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2014</b> , 25, 1101-1111	3.7	15
24	Load-balanced AP association in multi-hop wireless mesh networks. <i>Journal of Supercomputing</i> , <b>2013</b> , 65, 383-409	2.5	10
23	Transition from IPv4 to IPv6: A State-of-the-Art Survey. <i>IEEE Communications Surveys and Tutorials</i> , <b>2013</b> , 15, 1407-1424	37.1	55
22	Dynamic Scheduling for Wireless Data Center Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2013</b> , 24, 2365-2374	3.7	25
21	A Survey of Energy Efficient Wireless Transmission and Modeling in Mobile Cloud Computing. <i>Mobile Networks and Applications</i> , <b>2013</b> , 18, 148-155	2.9	57
20	Moving Target Oriented Opportunistic Routing Algorithm in Vehicular Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2013</b> , 9, 692-714	1.7	1
19	Network coding based multipath TCP <b>2012</b> ,		3
18	Energy optimizations for mobile terminals via computation offloading <b>2012</b> ,		17
17	Cooperative Redundancy Elimination in Data Center Networks with Wireless Cards at Routers <b>2012</b> ,		3
16	Flexible integration of tunneling and translation for IPv6 transition. <i>Networking Science</i> , <b>2012</b> , 1, 23-33		1
15	The research of 4over6 transition system deployment for IPv6 backbone <b>2012</b> ,		1

14	Wireless data center networking. <i>IEEE Wireless Communications</i> , <b>2011</b> , 18, 46-53	13.4	67
13	Defending Against Distance Cheating in Link-Weighted Application-Layer Multicast. <i>IEEE/ACM Transactions on Networking</i> , <b>2011</b> , 19, 1448-1457	3.8	1
12	Multi-hop access pricing in public area WLANs <b>2011</b> ,		9
11	Achieving Proportional Fairness via AP Power Control in Multi-Rate WLANs. <i>IEEE Transactions on Wireless Communications</i> , <b>2011</b> , 10, 3784-3792	9.6	17
10	Mobility support in Multi-Path TCP <b>2011</b> ,		3
9	Supporting multiple metrics in QoS-aware BGP. <i>Science China Information Sciences</i> , <b>2010</b> , 53, 1947-1962	3.4	
8	Probabilistic routing for multiple flows in wireless multi-hop networks <b>2009</b> ,		2
7	IETF softwire unicast and multicast framework for IPv6 transition. <i>Science in China Series F: Information Sciences</i> , <b>2008</b> , 51, 1692-1702		
6	Scalable BGP QoS Extension with Multiple Metrics <b>2006</b> ,		5
5	The Transition to IPv6, Part II: The Softwire Mesh Framework Solution. <i>IEEE Internet Computing</i> , <b>2006</b> , 10, 76-80	2.4	11
4	Impact of receiver cheating on the stability of ALM tree <b>2005</b> ,		6
3	Precomputation for multiconstrained QoS routing in high-speed networks <b>2003</b> ,		2
2	Adjustable multi-constrained routing with a novel evaluation method <b>2003</b> ,		1
1	Multi-constrained routing based on simulated annealing		2