

# Changqiao Xu

## List of Publications by Citations

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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.

95  
papers

1,517  
citations

21  
h-index

36  
g-index

112  
ext. papers

1,934  
ext. citations

4.8  
avg. IF

5.04  
L-index

#	Paper	IF	Citations
95	CMT-QA: Quality-Aware Adaptive Concurrent Multipath Data Transfer in Heterogeneous Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2013</b> , 12, 2193-2205	4.6	123
94	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 2273-2289	6.8	118
93	Incentive mechanism for computation offloading using edge computing: A Stackelberg game approach. <i>Computer Networks</i> , <b>2017</b> , 129, 399-409	5.4	97
92	. <i>IEEE Communications Letters</i> , <b>2014</b> , 18, 102-105	3.8	80
91	Performance-Aware Mobile Community-Based VoD Streaming Over Vehicular Ad Hoc Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 1201-1217	6.8	62
90	Congestion Control Design for Multipath Transport Protocols: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , <b>2016</b> , 18, 2948-2969	37.1	62
89	Cross-Layer Fairness-Driven Concurrent Multipath Video Delivery Over Heterogeneous Wireless Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2015</b> , 25, 1175-1189	6.4	61
88	Socially aware mobile peer-to-peer communications for community multimedia streaming services <b>2015</b> , 53, 150-156		54
87	<b>2014</b> ,		50
86	Ant-Inspired Mini-Community-Based Solution for Video-On-Demand Services in Wireless Mobile Networks. <i>IEEE Transactions on Broadcasting</i> , <b>2014</b> , 60, 322-335	4.7	48
85	GrIMS: Green Information-Centric Multimedia Streaming Framework in Vehicular Ad Hoc Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 483-498	6.4	42
84	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 1735-1751	6.8	41
83	Optimal Information Centric Caching in 5G Device-to-Device Communications. <i>IEEE Transactions on Mobile Computing</i> , <b>2018</b> , 17, 2114-2126	4.6	39
82	Video Streaming in Content-Centric Mobile Networks: Challenges and Solutions. <i>IEEE Wireless Communications</i> , <b>2017</b> , 24, 157-165	13.4	38
81	Performance Evaluation of Multimedia Content Distribution Over Multi-Homed Wireless Networks. <i>IEEE Transactions on Broadcasting</i> , <b>2011</b> , 57, 204-215	4.7	37
80	Pipeline Network Coding-Based Multipath Data Transfer in Heterogeneous Wireless Networks. <i>IEEE Transactions on Broadcasting</i> , <b>2017</b> , 63, 376-390	4.7	32
79	Information-centric cost-efficient optimization for multimedia content delivery in mobile vehicular networks. <i>Computer Communications</i> , <b>2017</b> , 99, 93-106	5.1	31

78	Distributed Storage-Assisted Data-Driven Overlay Network for P2P VoD Services. <i>IEEE Transactions on Broadcasting</i> , <b>2009</b> , 55, 1-10	4.7	31
77	Differentially Private Distributed Online Algorithms Over Time-Varying Directed Networks. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , <b>2018</b> , 4, 4-17	2.8	29
76	A Novel Cooperative Content Fetching-Based Strategy to Increase the Quality of Video Delivery to Mobile Users in Wireless Networks. <i>IEEE Transactions on Broadcasting</i> , <b>2014</b> , 60, 370-384	4.7	27
75	SEM-PPA: A semantical pattern and preference-aware service mining method for personalized point of interest recommendation. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 82, 35-46	7.9	26
74	Novel End-to-End Quality of Service Provisioning Algorithms for Multimedia Services in Virtualization-Based Future Internet. <i>IEEE Transactions on Broadcasting</i> , <b>2012</b> , 58, 569-579	4.7	16
73	DP-LTOD: Differential Privacy Latent Trajectory Community Discovering Services over Location-Based Social Networks. <i>IEEE Transactions on Services Computing</i> , <b>2019</b> , 1-1	4.8	14
72	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 636-651	6.6	14
71	<b>2015</b> ,		13
70	Design of Multipath Transmission Control for Information-Centric Internet of Things: A Distributed Stochastic Optimization Framework. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 9475-9488	10.7	13
69	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 1577-1592	6.6	13
68	A Novel Physarum-Inspired Routing Protocol for Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2013</b> , 9, 483581	1.7	11
67	Reliable and Efficient Multimedia Service Optimization for Edge Computing-Based 5G Networks: Game Theoretic Approaches. <i>IEEE Transactions on Network and Service Management</i> , <b>2020</b> , 17, 1610-1625	4.8	10
66	Environment-Aware CMT for Efficient Video Delivery in Wireless Multimedia Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2012</b> , 8, 381726	1.7	10
65	BC-Mobile Device Cloud: A Blockchain-Based Decentralized Truthful Framework for Mobile Device Cloud. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 1208-1219	11.9	10
64	GBC-based caching function group selection algorithm for SINET. <i>Journal of Network and Computer Applications</i> , <b>2017</b> , 85, 56-63	7.9	9
63	Reliability-oriented ant colony optimization-based mobile peer-to-peer VoD solution in MANETs. <i>Wireless Networks</i> , <b>2014</b> , 20, 1185-1202	2.5	9
62	Stochastic Optimization for Green Multimedia Services in Dense 5G Networks. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2019</b> , 15, 1-22	3.4	9
61	Diffusion Kalman Filter With Quantized Information Exchange in Distributed Mobile Crowdsensing. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 4423-4435	10.7	9

60	Spatio-Temporal Power Optimization for MIMO Joint Communication and Radio Sensing Systems With Training Overhead. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 514-528	6.8	9
59	Edge-Boost: Enhancing Multimedia Delivery with Mobile Edge Caching in 5G-D2D Networks <b>2019</b> ,		8
58	CMT-CC: Cross-Layer Cognitive CMT for Efficient Multimedia Distribution over Multi-homed Wireless Networks. <i>Wireless Personal Communications</i> , <b>2015</b> , 82, 1643-1663	1.9	8
57	Qos-driven Sctp-based multimedia delivery over heterogeneous wireless networks. <i>Science China Information Sciences</i> , <b>2014</b> , 57, 1-10	3.4	8
56	GTTC: A Low-Expenditure IoT Multi-Task Coordinated Distributed Computing Framework with Fog Computing <b>2019</b> ,		8
55	An Intelligent Route Mutation Mechanism against Mixed Attack Based on Security Awareness <b>2019</b> ,		8
54	GDSoc: Green dynamic self-optimizing content caching in ICN-based 5G network. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2018</b> , 29, e3221	1.9	8
53	TCP-friendly CMT-based multimedia distribution over multi-homed wireless networks <b>2014</b> ,		7
52	An Efficient and Agile Spatio-Temporal Route Mutation Moving Target Defense Mechanism <b>2019</b> ,		6
51	Measurement, Analysis, and Enhancement of Multipath TCP Energy Efficiency for Datacenters. <i>IEEE/ACM Transactions on Networking</i> , <b>2020</b> , 28, 57-70	3.8	6
50	Differential privacy-guaranteed trajectory community identification over vehicle ad-hoc networks. <i>Internet Technology Letters</i> , <b>2018</b> , 1, e9	1.3	6
49	Connectivity of UAV Swarms in 3D Spherical Spaces Under (Un)Intentional Ground Interference. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 8792-8804	6.8	5
48	<b>2019</b> ,		5
47	Loss-aware adaptive scalable transmission in wireless high-speed railway networks <b>2017</b> ,		5
46	<b>2013</b> ,		5
45	P-iRP: Physarum-Inspired Routing Protocol for Wireless Sensor Networks <b>2013</b> ,		5
44	The Performance Analysis of the Multicast Extension Support for Proxy MIPv6. <i>Wireless Personal Communications</i> , <b>2011</b> , 61, 657-677	1.9	5
43	The location selection for CCN router based on the network centrality <b>2012</b> ,		5

42	A Multi-update Deep Reinforcement Learning Algorithm for Edge Computing Service Offloading <b>2020</b> ,		5
41	Credible and economic multimedia service optimization based on game theoretic in hybrid cloud networks. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2019</b> , e3779	1.9	5
40	Decentralized Online Learning Methods Based on Weight-Balancing Over Time-Varying Digraphs. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2021</b> , 5, 394-406	4.1	5
39	Joint Optimal Multicast Scheduling and Caching for Improved Performance and Energy Saving in Wireless Heterogeneous Networks. <i>IEEE Transactions on Broadcasting</i> , <b>2021</b> , 67, 119-130	4.7	5
38	Context-Aware Adaptive Route Mutation Scheme: A Reinforcement Learning Approach. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 13528-13541	10.7	5
37	Stochastic Profit Maximization of Service Provider in Millimeter-Wave High-Speed Railway Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 5059-5075	6.8	4
36	QoS-driven Path Selection for MPTCP: A Scalable SDN-assisted Approach <b>2019</b> ,		4
35	Background Traffic-Based Retransmission Algorithm for Multimedia Streaming Transfer over Concurrent Multipaths. <i>International Journal of Digital Multimedia Broadcasting</i> , <b>2012</b> , 2012, 1-10	0.8	4
34	GCH-MV: Game-Enhanced Compensation Handover Scheme for Multipath TCP in 6G Software Defined Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 16142-16154	6.8	4
33	Augmented Queue-Based Transmission and Transcoding Optimization for Livecast Services Based on Cloud-Edge-Crowd Integration. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 4470-4484	6.4	4
32	A QoE-Driven Multicast Strategy With Segment Routing: A Novel Multimedia Traffic Engineering Paradigm. <i>IEEE Transactions on Broadcasting</i> , <b>2020</b> , 66, 34-46	4.7	4
31	DQ-RM: Deep Reinforcement Learning-based Route Mutation Scheme for Multimedia Services <b>2020</b> ,		4
30	Multicast-aware optimization for resource allocation with edge computing and caching. <i>Journal of Network and Computer Applications</i> , <b>2021</b> , 193, 103195	7.9	4
29	A Multi-user Cost-efficient Crowd-assisted VR Content Delivery Solution in 5G-and-beyond Heterogeneous Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2022</b> , 1-1	4.6	4
28	Stochastic Cooperative Multicast Scheduling for Cache-Enabled and Green 5G Networks <b>2019</b> ,		3
27	CMT-CQA: Cross-layer QoS-aware adaptive concurrent multipath data transfer in heterogeneous networks. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , <b>2015</b> , 10, 75-84	1	3
26	Video streaming distribution over mobile Internet: a survey. <i>Frontiers of Computer Science</i> , <b>2018</b> , 12, 1039-1059	2.2	3
25	B-iTRF: A novel bio-inspired trusted routing framework for wireless sensor networks <b>2014</b> ,		3

24	Content retrieval model for information-center MANETs: 2-dimensional case <b>2013</b> ,		3
23	Peering strategic game models for interdependent ISPs in content centric Internet. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 380265	2.2	3
22	A Transcoding-enabled 360°VR Video Caching and Delivery Framework for Edge-enhanced Next-generation Wireless Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2022</b> , 1-1	14.2	3
21	A Universal Transcoding and Transmission Method for Livecast with Networked Multi-Agent Reinforcement Learning <b>2021</b> ,		3
20	Family-Aware Pricing Strategy for Accelerating Video Dissemination over Information-Centric Vehicular Networks <b>2018</b> ,		3
19	Decentralized asynchronous optimization for dynamic adaptive multimedia streaming over information centric networking. <i>Journal of Network and Computer Applications</i> , <b>2020</b> , 157, 102574	7.9	2
18	PCA-based dimensionality reduction method for user information in Universal Network <b>2012</b> ,		2
17	Fairness-Guaranteed Transcoding Task Assignment for Viewer-Assisted Crowdsourced Livecast Services <b>2021</b> ,		2
16	Optimal Coded Caching in 5G Information-Centric Device-to-Device Communications <b>2018</b> ,		2
15	. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2020</b> , 4, 903-913	4	1
14	A smart hybrid routing protocol supporting multimedia delivery over mobile ad hoc networks <b>2014</b> ,		1
13	The comparison and performance analysis of CCN under mobile environments <b>2014</b> ,		1
12	Efficient concurrent multipath transfer using network coding in wireless networks <b>2014</b> ,		1
11	A MP2P-based VoD solution for supporting VCR-like operations in MANETs <b>2012</b> ,		1
10	A Novel Energy-Efficiency Social-Inspired Video Sharing Solution in Wireless Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 11, 518289	1.7	1
9	<b>2019</b> ,		1
8	Freshness-Aware Age Optimization for Multipath TCP Over Software Defined Networks. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2021</b> , 1-1	4.9	1
7	Reinforcement Learning-based Mobile AR/VR Multipath Transmission with Streaming Power Spectrum Density Analysis. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 1-1	4.6	1

6	An intelligent proactive defense against the client-side DNS cache poisoning attack via self-checking deep reinforcement learning. <i>International Journal of Intelligent Systems</i> ,	8.4	1
5	Challenges and Opportunities of Network Virtualization over Wireless Mobile Networks. <i>Mobile Information Systems</i> , <b>2017</b> , 2017, 1-2	1.4	0
4	XSS Attack Detection Model Based on Semi-supervised Learning Algorithm with Weighted Neighbor Purity. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 198-213	0.9	0
3	The Performance Analysis of Diffusion LMS Algorithm in Sensor Networks Based on Quantized Data and Random Topology. <i>International Journal of Distributed Sensor Networks</i> , <b>2016</b> , 12, 9685385	1.7	
2	Distributed Constrained Stochastic Subgradient Algorithms Based on Random Projection and Asynchronous Broadcast over Networks. <i>Mathematical Problems in Engineering</i> , <b>2017</b> , 2017, 1-13	1.1	
1	Green Communication for Mobile and Wireless Networks. <i>Mobile Information Systems</i> , <b>2016</b> , 2016, 1-2	1.4	