Xiaojun Hei

List of Publications by Year
in descending order

75 papers	1,833 citations	687363 13 h-index	552781 26 g-index
78 all docs	78 docs citations	78 times ranked	1063 citing authors

#	Article	IF	Citations
1	A Measurement Study of a Large-Scale P2P IPTV System. IEEE Transactions on Multimedia, 2007, 9, 1672-1687.	7.2	669
2	Inferring Network-Wide Quality in P2P Live Streaming Systems. IEEE Journal on Selected Areas in Communications, 2007, 25, 1640-1654.	14.0	138
3	IPTV over P2P streaming networks: the mesh-pull approach. , 2008, 46, 86-92.		128
4	The pollution attack in P2P live video streaming. , 2007, , .		83
5	Unreeling Xunlei Kankan: Understanding Hybrid CDN-P2P Video-on-Demand Streaming. IEEE Transactions on Multimedia, 2015, 17, 229-242.	7.2	81
6	EdgeMediChain: A Hybrid Edge Blockchain-Based Framework for Health Data Exchange. IEEE Access, 2020, 8, 113467-113486.	4.2	77
7	Toward Optimal Deployment of Cloud-Assisted Video Distribution Services. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1717-1728.	8.3	61
8	Wavelength converter placement in least-load-routing-based optical networks using genetic algorithms. Journal of Optical Networking, 2004, 3, 363.	2.5	33
9	Towards QoS-Aware Load Balancing for High Density Software Defined Wi-Fi Networks. IEEE Access, 2020, 8, 117623-117638.	4.2	32
10	Understanding Peer Exchange in BitTorrent Systems. , 2010, , .		31
11	Authenticating Aggregate Queries over Set-Valued Data with Confidentiality. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 630-644.	5.7	30
12	Towards Smart Educational Recommendations with Reinforcement Learning in Classroom. , 2018, , .		29
13	Playing High-End Video Games in the Cloud: A Measurement Study. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 2013-2025.	8.3	24
14	Throughput Optimization of Multi-BSS IEEE 802.11 Networks with Universal Frequency Reuse. IEEE Transactions on Communications, 2017, , 1-1.	7.8	22
15	Achieving Load Balancing in High-Density Software Defined WiFi Networks. , 2017, , .		18
16	Towards Low-Redundancy Push-Pull P2P Live Streaming. , 2008, , .		18
17	On the Tradeoff between Performance and Programmability for Software Defined WiFi Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	17
18	Balancing Performance and Fairness in P2P Live Video Systems. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1029-1039.	8.3	16

#	Article	IF	Citations
19	A Measurement Study of Attacks on BitTorrent Seeds. , 2011, , .		14
20	Model-based end-to-end available bandwidth inference using queueing analysis. Computer Networks, 2006, 50, 1916-1937.	5.1	13
21	A Systematic Study of IEEE 802.11 DCF Network Optimization From Theory to Testbed. IEEE Access, 2020, 8, 154114-154132.	4.2	13
22	Adaptive topology formation for peer-to-peer video streaming. Peer-to-Peer Networking and Applications, 2010, 3, 186-207.	3.9	12
23	Towards Dynamic Two-tier Load Balancing for Software Defined WiFi Networks. , 2017, , .		12
24	Accelerating a Secure Programmable Edge Network System for Smart Classroom. , 2018, , .		12
25	Traffic Aware Load Balancing in Software Defined WiFi Networks for Healthcare. , 2020, , .		12
26	Understanding Traffic Load in Software Defined WiFi Networks for Healthcare. , 2019, , .		11
27	A Multi-controller Load Balancing Strategy for Software Defined WiFi Networks. Lecture Notes in Computer Science, 2018, , 622-633.	1.3	11
28	A graph-theoretic study of the flattening Internet AS topology. , 2013, , .		10
29	Work in progress: Fostering a telecommunication engineering pineline: A curriculum design. , 2015, , .		10
30	Hierarchical content routing in large-scale multimedia content delivery network. , 0, , .		9
31	An efficient caching algorithm for peer-to-peer 3D streaming in distributed virtual environments. Journal of Network and Computer Applications, 2014, 42, 1-11.	9.1	9
32	Throughput Optimization of non-real-time flows with delay guarantee of real-time flows in WLANs. , 2015, , .		9
33	Developing a telecommunication engineering pipeline of communication networks. , 2016, , .		9
34	Towards a student-centered lab design for learning principles of communications. , 2017, , .		9
35	Constructing a locality-aware ISP-friendly peer-to-peer live streaming architecture. , 2012, , .		8
36	Attacks and Defenses in Location-Based Social Networks: A Heuristic Number Theory Approach. , 2015, , .		8

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37	EasyHPC: An online programming platform for learning high performance computing. , 2017, , .		8
38	Performance Evaluation for WiFi DCF Networks from Theory to Testbed. , 2017, , .		8
39	An SDNâ€based technique for reducing handoff times in WiFi networks. International Journal of Communication Systems, 2021, 34, e4955.	2.5	8
40	Discovery of In-Band Streaming Services in Peer-to-Peer Overlays. , 2007, , .		7
41	Improving students' hands-on experiences in learning signals and systems. , 2017, , .		7
42	Optimal RTS Threshold for IEEE 802.11 WLANs: Basic or RTS/CTS?. , 2019, , .		7
43	A measurement study of AS paths: Methods and tools. , 2012, , .		5
44	An Empirical Study of the Design Space of Smart Home Routers. Lecture Notes in Computer Science, 2016, , 109-120.	1.3	5
45	Characterizing Interference in a Campus WiFi Network via Mobile Crowd Sensing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 173-182.	0.3	5
46	On the Impact of Location Errors on Localization Attacks in Location-Based Social Network Services. Lecture Notes in Computer Science, 2016, , 343-357.	1.3	5
47	Stochastic Relay Routing in Peer-to-Peer Networks. , 2006, , .		4
48	Towards High-Speed Real-Time HTTP Traffic Analysis on the Tilera Many-Core Platform. , 2013, , .		4
49	Improving a Software/Hardware Integrated Computer Networking Laboratory Course. , 2018, , .		4
50	Evaluating the performance of cloud services in a browser-based network measurement platform. , 2013, , .		3
51	Developing Wireless Networking Labs for MOOC Learners on an Online Programming Platform. , 2018, , .		3
52	Relay discovery and selection for large-scale P2P streaming. PLoS ONE, 2017, 12, e0175360.	2.5	3
53	Available bandwidth measurement using Poisson probing on the Internet. , 0, , .		2
54	A light-weight available bandwidth inference methodology in a queueing analysis approach. , 0, , .		2

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55	On the Strategy of Resource Catalog and Coding. , 2009, , .		2
56	Extracting singing melody in music with accompaniment based on harmonic peak and subharmonic summation. , 2011, , .		2
57	On improving dynamic stochastic routing algorithms in overlay networks. , 2012, , .		2
58	Characterizing the delay performance of web-based cloud services in a browser-scripting approach. , 2015, , .		2
59	On Prioritization Mechanisms for Large-Scale 3D Streaming in Distributed Virtual Environments. , 2016, , .		2
60	An Experimental Study of Harvesting Channel State Information of WiFi Signals. , 2018, , .		2
61	Towards Accurate and Robust Fall Detection for the Elderly in a Hybrid Cloud-Edge Architecture. , 2019, , .		2
62	A Measurement Study of Campus WiFi Networks Using WiFiTracer. EAI/Springer Innovations in Communication and Computing, 2019, , 19-42.	1.1	2
63	A measurement study of a massive multi-player online first person shooter game in play-station networks. , 2012, , .		1
64	A delay estimation approach in stochastic overlay networks. , 2013, , .		1
65	Towards research-oriented teaching/learning for international students in telecommunications engineering. , 2013, , .		1
66	A measurement study of a single-BSS software defined WiFi testbed. , 2016, , .		1
67	Understanding performance bottlenecks of a multi-BSS software defined WiFi network testbed. , 2016, , .		1
68	Learning Multi-paths for Edge Networks in a Stochastic Approximation Approach. , 2018, , .		1
69	Title is missing!. Telecommunication Systems, 2002, 19, 349-359.	2.5	0
70	Towards unified self-congestion probing for bandwidth measurement. , 2008, , .		0
71	On the impact of network address translation on locality-aware P2P live streaming systems. , 2012, , .		0
72	Authenticating Aggregate Queries over Set-Valued Data with Confidentiality (Extended Abstract). , 2018, , .		0

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73	Accelerating Spectrum Sharing Algorithms for Cognitive Radio Transmitters in a Momentum Q-Learning Approach. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 533-547.	0.3	0
74	The Earliest Deadline First Scheduling with Active Buffer Management for Real-Time Traffic in the Internet. Lecture Notes in Computer Science, 2001, , 45-54.	1.3	0
75	Performance Evaluation of Web-based Cloud Services in a Browser-Scripting Approach. KSII Transactions on Internet and Information Systems, 2016, 10, .	0.3	0