Lixia Zhang

List of Publications by Year
in descending order

83 papers	8,398 citations	236912 25 h-index	315719 38 g-index
84 all docs	84 docs citations	84 times ranked	3298 citing authors

#	ARTICLE	IF	CITATIONS
1	YaNFD. , 2021, , .		3
2	The Role of Data Repositories in Named Data Networking. , 2019, , .		2
3	Towards Peer-to-Peer Content Retrieval Markets. , 2019, , .		10
4	Publish-Subscribe Communication in Building Management Systems over Named Data Networking. , 2019, , .		12
5	A Secure Link State Routing Protocol for NDN. IEEE Access, 2018, 6, 10470-10482.	4.2	76
6	NDN Impact on Tactical Application Development. , 2018, , .		11
7	NAC: Automating Access Control via Named Data. , 2018, , .		37
8	A Brief Introduction to Named Data Networking. , 2018, , .		84
9	NDN host model. Computer Communication Review, 2018, 48, 35-41.	1.8	16
10	On the Evolution of ndnSIM. Computer Communication Review, 2017, 47, 19-33.	1.8	250
11	nTorrent: Peer-to-Peer File Sharing in Named Data Networking. , 2017, , .		24
12	Near loop-free routing. , 2017, , .		1
13	Fuzzy Interest Forwarding. , 2017, , .		11
14	The Design and Implementation of the NDN Protocol Stack for RIOT-OS. , 2016, , .		22
15	A Practical Congestion Control Scheme for Named Data Networking. , 2016, , .		99
16	Real-Time Streaming Data Delivery over Named Data Networking. IEICE Transactions on Communications, 2016, E99.B, 974-991.	0.7	16
17	A survey of mobility support in Named Data Networking. , 2016, , .		75
18	Named Data Networking of Things (Invited Paper). , 2016, , .		66

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19	The Second Named Data Networking Community Meeting (NDNcomm 2015). Computer Communication Review, 2016, 46, 58-63.	1.8	4
20	The First Named Data Networking Community Meeting. Computer Communication Review, 2015, 45, 32-37.	1.8	10
21	Consumer / Producer Communication with Application Level Framing in Named Data Networking. , 2015, , .		20
22	VANET via Named Data Networking. , 2014, , .		218
23	Named data networking. Computer Communication Review, 2014, 44, 66-73.	1.8	1,671
24	Verifying Keys through Publicity and Communities of Trust: Quantifying Off-Axis Corroboration. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 283-291.	5.6	2
25	Securing building management systems using named data networking. IEEE Network, 2014, 28, 50-56.	6.9	88
26	A case for stateful forwarding plane. Computer Communications, 2013, 36, 779-791.	5.1	388
27	Security evaluation of a control system using Named Data Networking. , 2013, , .		14
28	DoS and DDoS in Named Data Networking. , 2013, , .		196
29	NDN.JS: A javascript client library for named data networking. , 2013, , .		31
30	A comparative study of architectural impact on BGP next-hop diversity. , 2012, , .		2
31	Supporting military communications with Named Data Networking: An emulation analysis. , 2012, , .		13
32	Data naming in Vehicle-to-Vehicle communications. , 2012, , .		140
33	Named Data Networking for military communication systems. , 2012, , .		12
34	SAIL: A scalable approach for wide-area IP mobility. , 2011, , .		3
35	Deploying Cryptography in Internet-Scale Systems: A Case Study on DNSSEC. IEEE Transactions on Dependable and Secure Computing, 2011, 8, 656-669.	5.4	32
36	A Framework to Quantify the Pitfalls of Using Traceroute in AS-Level Topology Measurement. IEEE Journal on Selected Areas in Communications, 2011, 29, 1822-1836.	14.0	24

#	ARTICLE	IF	CITATIONS
37	Identifying BGP routing table transfers. Computer Networks, 2011, 55, 636-649.	5.1	11
38	The (In)Completeness of the Observed Internet AS-level Structure. IEEE/ACM Transactions on Networking, 2010, 18, 109-122.	3.8	150
39	Quantifying Path Exploration in the Internet. IEEE/ACM Transactions on Networking, 2009, 17, 445-458.	3.8	40
40	In search of the elusive ground truth. Performance Evaluation Review, 2008, 36, 217-228.	0.6	32
41	Observing the evolution of internet as topology. , 2007, , .		75
42	Understanding Resiliency of Internet Topology against Prefix Hijack Attacks. , 2007, , .		55
43	Enhancing DNS Resilience against Denial of Service Attacks. , 2007, , .		18
44	Inferring the Origin of Routing Changes using Link Weights. , 2007, , .		14
45	Observing the evolution of internet as topology. Computer Communication Review, 2007, 37, 313-324.	1.8	52
46	Securing a Wireless World. Proceedings of the IEEE, 2006, 94, 442-454.	21.3	59
47	An analysis of convergence delay in path vector routing protocols. Computer Networks, 2006, 50, 398-421.	5.1	34
48	A randomized energy-conservation protocol for resilient sensor networks*. Wireless Networks, 2006, 12, 637-652.	3.0	30
49	Minimum failure explanations for path vector routing changes. Journal of Combinatorial Optimization, 2006, 12, 5-16.	1.3	0
50	Quantifying path exploration in the internet. , 2006, , .		49
51	Collecting the internet AS-level topology. Computer Communication Review, 2005, 35, 53-61.	1.8	195
52	GRAdient Broadcast: A Robust Data Delivery Protocol for Large Scale Sensor Networks. Wireless Networks, 2005, 11, 285-298.	3.0	409
53	Measurement of highly active prefixes in BGP. , 2005, , .		26
54	The impact of multihop wireless channel on TCP performance. IEEE Transactions on Mobile Computing, 2005, 4, 209-221.	5.8	172

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55	Statistical en-route filtering of injected false data in sensor networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 839-850.	14.0	256
56	Distributed Council Election. IEEE/ACM Transactions on Networking, 2004, 12, 483-492.	3.8	6
57	URSA: Ubiquitous and Robust Access Control for Mobile Ad Hoc Networks. IEEE/ACM Transactions on Networking, 2004, 12, 1049-1063.	3.8	223
58	Security in mobile ad hoc networks: challenges and solutions. IEEE Wireless Communications, 2004, 11, 38-47.	9.0	544
59	A Robust Data Delivery Protocol for Large Scale Sensor Networks. Lecture Notes in Computer Science, 2003, , 658-673.	1.3	36
60	Protecting BGP routes to top-level DNS servers. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 851-860.	5.6	15
61	An architecture for a global Internet host distance estimation service. , 1999, , .		133
62	Tree multicast strategies in mobile, multihop wireless networks. Mobile Networks and Applications, 1999, 4, 193-207.	3.3	50
63	Forwarding Group Multicast Protocol (FGMP) for multihop, mobile wireless networks. Cluster Computing, 1998, 1, 187-196.	5.0	204
64	Adaptive web caching: towards a new global caching architecture. Computer Networks, 1998, 30, 2169-2177.	1.0	158
65	Local error recovery in SRM: comparison of two approaches. IEEE/ACM Transactions on Networking, 1998, 6, 686-699.	3.8	20
66	A study of priority pricing in multiple service class networks. Computer Communication Review, 1991, 21, 123-130.	1.8	16
67	Observations on the dynamics of a congestion control algorithm. Computer Communication Review, 1991, 21, 133-147.	1.8	73
68	Design considerations for usage accounting and feedback in internetworks. Computer Communication Review, 1990, 20, 56-66.	1.8	16
69	Some observations on the dynamics of a congestion control algorithm. Computer Communication Review, 1990, 20, 30-39.	1.8	135
70	Shared tree wireless network multicast. , 0, , .		28
71	TCP over wireless multi-hop protocols: simulation and experiments. , 0, , .		50
72	A new proposal for RSVP refreshes. , 0, , .		16

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73	On the placement of Internet instrumentation. , 0, , .		157
74	A scalable solution to minimum cost forwarding in large sensor networks. , 0, , .		144
75	SAVE: source address validity enforcement protocol. , 0, , .		72
76	Self-securing ad hoc wireless networks. , 0, , .		128
77	PEAS: a robust energy conserving protocol for long-lived sensor networks. , 0, , .		106
78	Host multicast: a framework for delivering multicast to end users. , 0, , .		227
79	PEAS: a robust energy conserving protocol for long-lived sensor networks. , 0, , .		336
80	Impact of IPv4 address allocation practice on BGP routing table growth. , 0, , .		0
81	DIP: distance information protocol for IDMaps. , 0, , .		1
82	Link-Rank: a graphical tool for capturing BGP routing dynamics. , 0, , .		17
83	Statistical en-route filtering of injected false data in sensor networks. , 0, , .		80