

# Hongbin Luo

## List of Publications by Year in descending order

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44  
papers

1,000  
citations

687363

13  
h-index

713466

21  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1065  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Caching Mechanisms in Information-Centric Networking. IEEE Communications Surveys and Tutorials, 2015, 17, 1473-1499.	39.4	289
2	SERVICE: A Software Defined Framework for Integrated Space-Terrestrial Satellite Communication. IEEE Transactions on Mobile Computing, 2018, 17, 703-716.	5.8	117
3	A DHT-Based Identifier-to-Locator Mapping Approach for a Scalable Internet. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 1790-1802.	5.6	69
4	A Gini Impurity-Based Interest Flooding Attack Defence Mechanism in NDN. IEEE Communications Letters, 2018, 22, 538-541.	4.1	51
5	Preventing Distributed Denial-of-Service Flooding Attacks With Dynamic Path Identifiers. IEEE Transactions on Information Forensics and Security, 2017, 12, 1801-1815.	6.9	46
6	Proactive Caching for Enhancing User-Side Mobility Support in Named Data Networking. , 2013, , .		43
7	Towards Fresh and Low-Latency Content Delivery in Vehicular Networks: An Edge Caching Aspect. , 2018, , .		43
8	Using SDN and NFV to Implement Satellite Communication Networks. , 2016, , .		41
9	Local Fast Reroute With Flow Aggregation in Software Defined Networks. IEEE Communications Letters, 2017, 21, 785-788.	4.1	31
10	Hierarchical Soft Slicing to Meet Multi-Dimensional QoS Demand in Cache-Enabled Vehicular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 2150-2162.	9.2	28
11	Low-Latency and Fresh Content Provision in Information-Centric Vehicular Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1723-1738.	5.8	25
12	Scalable area-based hierarchical control plane for software defined information centric networking. , 2014, , .		22
13	AoI-Delay Tradeoff in Mobile Edge Caching With Freshness-Aware Content Refreshing. IEEE Transactions on Wireless Communications, 2021, 20, 5329-5342.	9.2	21
14	Efficient Mobility Support by Indirect Mapping in Networks With Locator/Identifier Separation. IEEE Transactions on Vehicular Technology, 2011, 60, 2265-2279.	6.3	18
15	Efficient integration of software defined networking and information-centric networking with CoLoR. , 2014, , .		18
16	A new method for providing network services: Service function chain. Optical Switching and Networking, 2017, 26, 60-68.	2.0	18
17	An Adaptive Multipath Algorithm to Overcome the Unpredictability of Heterogeneous Wireless Networks for High-Speed Railway. IEEE Transactions on Vehicular Technology, 2018, 67, 11332-11344.	6.3	15
18	BNNC: Improving Performance of Multipath Transmission in Heterogeneous Vehicular Networks. IEEE Access, 2019, 7, 158113-158125.	4.2	14

#	ARTICLE	IF	CITATIONS
19	An approach for efficient, accurate, and timely estimation of traffic matrices. , 2014, , .		9
20	Timeout Strategy-based Mobility Management for Software Defined Satellite Networks. , 2017, , .		9
21	Optimizing content routers deployment in large-scale information centric core-edge separation Internet. International Journal of Communication Systems, 2014, 27, 794-810.	2.5	8
22	R <sup>2</sup> T: A Rapid and Reliable Hop-by-Hop Transport Mechanism for Information-Centric Networking. IEEE Access, 2018, 6, 15311-15325.	4.2	8
23	A Bignum Network Coding Scheme for Multipath Transmission in Vehicular Networks. , 2018, , .		8
24	Modeling software defined satellite networks using queueing theory. , 2017, , .		7
25	Age of Information and Delay Tradeoff with Freshness-Aware Mobile Edge Cache Update. , 2019, , .		7
26	Optimal Cache Timeout for Identifier-to-Locator Mappings with Handovers. IEEE Transactions on Network and Service Management, 2013, 10, 204-217.	4.9	5
27	Design and Evaluation of DNS as Location Manager for HIP. Wireless Personal Communications, 2009, 48, 605-619.	2.7	4
28	Improving Network Security by Dynamically Changing Path Identifiers in Future Internet. , 2015, , .		4
29	On the Benefits of Keeping Path Identifiers Secret in Future Internet: A DDoS Perspective. IEEE Transactions on Network and Service Management, 2018, 15, 650-664.	4.9	4
30	An Approach to Pre-Schedule Traffic in Time-Dependent Pricing Systems. IEEE Transactions on Network and Service Management, 2019, 16, 334-347.	4.9	3
31	Preventing DDoS Flooding Attacks With Cryptographic Path Identifiers in Future Internet. IEEE Transactions on Network and Service Management, 2022, 19, 1690-1704.	4.9	3
32	An Approach for Scalable Proxy Mobile IPv6. , 2010, , .		2
33	Joint Location-Dependent Pricing and Request Mapping in ICN-Based Telco CDNs For 5G. Future Internet, 2019, 11, 125.	3.8	2
34	Dynamic Time-Threshold Based Receive Buffer for Vehicle-to-Cloud Multipath Transmission. , 2020, , .		2
35	A new consideration for provisioning survivable multicast sessions in WDM mesh networks. , 2007, , .		1
36	A Run-Time Solution to Inter-Domain Policy Disputes. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
37	On the change rate of identifier (id)-to-locator mappings in networks with id/locator separation. , 2010, , .		1
38	NLBA: A novel provider mobility support approach in mobile NDN environment. , 2014, , .		1
39	On the applicability of software defined networking to large scale networks. , 2014, , .		1
40	Interest forwarding in CoLoR: A baseline implementation and performance evaluation. , 2016, , .		1
41	An Approximation Algorithm for Provisioning of Survivable Multicast Sessions in WDM Networks. , 2007, , .		0
42	Improving Network Security by Dynamically Changing Path Identifiers in Future Internet. , 2014, , .		0
43	CoLoRSim: A Highly Scalable ICN Simulation Platform. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 473-485.	0.3	0
44	On the Age of Multipath-based Real-time Video Analytics. , 2022, , .		0