Long Gong

List of Publications by Year
in descending order

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30 papers	1,626 citations	759233 12 h-index	996975 15 g-index
30 all docs	30 docs citations	30 times ranked	772 citing authors

#	Article	IF	Citations
1	Virtual Optical Network Embedding (VONE) Over Elastic Optical Networks. Journal of Lightwave Technology, 2014, 32, 450-460.	4.6	322
2	Efficient Resource Allocation for All-Optical Multicasting Over Spectrum-Sliced Elastic Optical Networks. Journal of Optical Communications and Networking, 2013, 5, 836.	4.8	280
3	Toward profit-seeking virtual network embedding algorithm via global resource capacity. , 2014, , .		141
4	Novel Location-Constrained Virtual Network Embedding LC-VNE Algorithms Towards Integrated Node and Link Mapping. IEEE/ACM Transactions on Networking, 2016, 24, 3648-3661.	3.8	132
5	A Two-Population Based Evolutionary Approach for Optimizing Routing, Modulation and Spectrum Assignments (RMSA) in O-OFDM Networks. IEEE Communications Letters, 2012, 16, 1520-1523.	4.1	104
6	Demonstration of OpenFlow-Controlled Network Orchestration for Adaptive SVC Video Manycast. IEEE Transactions on Multimedia, 2015, 17, 1617-1629.	7.2	79
7	Joint Defragmentation of Optical Spectrum and IT Resources in Elastic Optical Datacenter Interconnections. Journal of Optical Communications and Networking, 2015, 7, 314.	4.8	70
8	Leveraging Light Forest With Rateless Network Coding to Design Efficient All-Optical Multicast Schemes for Elastic Optical Networks. Journal of Lightwave Technology, 2015, 33, 3945-3955.	4.6	63
9	Dynamic Multi-Path Service Provisioning under Differential Delay Constraint in Elastic Optical Networks. IEEE Communications Letters, 2013, 17, 158-161.	4.1	61
10	Availability-Aware Survivable Virtual Network Embedding in Optical Datacenter Networks. Journal of Optical Communications and Networking, 2015, 7, 1160.	4.8	60
11	Bandwidth defragmentation in dynamic elastic optical networks with minimum traffic disruptions. , 2013, , .		53
12	Impairment- and Splitting-Aware Cloud-Ready Multicast Provisioning in Elastic Optical Networks. IEEE/ACM Transactions on Networking, 2017, 25, 1220-1234.	3.8	48
13	On Fast and Coordinated Data Backup in Geo-Distributed Optical Inter-Datacenter Networks. Journal of Lightwave Technology, 2015, , 1-1.	4.6	47
14	Dynamic transparent virtual network embedding over elastic optical infrastructures. , 2013, , .		35
15	On the Spectrum-Efficient Overlay Multicast in Elastic Optical Networks Built with Multicast-Incapable Switches. IEEE Communications Letters, 2013, 17, 1860-1863.	4.1	33
16	Design integrated RSA for multicast in elastic optical networks with a layered approach. , 2013, , .		18
17	Dynamic RMSA in elastic optical networks with an adaptive genetic algorithm. , 2012, , .		17
18	Revenue-driven virtual network embedding based on global resource information. , 2013, , .		15

#	Article	IF	Citations
19	Efficient joint approaches for location-constrained survivable virtual network embedding. , 2014, , .		13
20	iDEC. Proceedings of the VLDB Endowment, 2020, 13, 1483-1497.	3.8	11
21	Incorporating network coding to formulate multicast sessions in elastic optical networks. , 2016, , .		8
22	Dynamic Advance Reservation Multicast in Data Center Networks over Elastic Optical Infrastructure. , 2013, , .		6
23	Queue-Proportional Sampling. Proceedings of the ACM on Measurement and Analysis of Computing Systems, 2017, 1, 1-33.	1.8	3
24	Best First Fit (BFF): An Approach to Partially Reconfigurable Hybrid Circuit and Packet Switching. , 2018, , .		2
25	Scalable network planning for elastic optical orthogonal frequency division multiplexing (OFDM) networks. , 2012, , .		1
26	ForestStream: Accurate Measurement of Cascades in Online Social Networks. , 2017, , .		1
27	SERENADE: A Parallel Iterative Algorithm for Crossbar Scheduling in Input-Queued Switches. , 2020, , .		1
28	QPS-r. , 2020, , .		1
29	2-Hop Eclipse: A Fast Algorithm forÂBandwidth-Efficient Data Center Switching. Lecture Notes in Computer Science, 2018, , 69-83.	1.3	1
30	QPS-r: A cost-effective iterative switching algorithm for input-queued switches. Performance Evaluation, 2021, 147, 102197.	1.2	0