

Lu Ruan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Survivable Multipath Routing and Spectrum Allocation in OFDM-Based Flexible Optical Networks. Journal of Optical Communications and Networking, 2013, 5, 172.	4.8	78
2	Dynamic Survivable Multipath Routing and Spectrum Allocation in OFDM-Based Flexible Optical Networks. Journal of Optical Communications and Networking, 2014, 6, 77.	4.8	62
3	Minimizing number of wavelengths in multicast routing trees in WDM networks. Networks, 2000, 35, 260-265.	2.7	41
4	Converter placement supporting broadcast in WDM optical networks. IEEE Transactions on Computers, 2001, 50, 750-758.	3.4	37
5	A new survivable mapping problem in IP-over-WDM networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 25-34.	14.0	31
6	Finding good candidate cycles for efficient p-cycle network design. , 0, , .		28
7	p-Cycle Design in Survivable WDM Networks with Shared Risk Link Groups (SRLGs). Photonic Network Communications, 2006, 11, 301-311.	2.7	28
8	Intelligent p-Cycle Protection for Dynamic Multicast Sessions in WDM Networks. Journal of Optical Communications and Networking, 2010, 2, 389.	4.8	27
9	Multicast routing, load balancing, and wavelength assignment on tree of rings. IEEE Communications Letters, 2002, 6, 79-81.	4.1	25
10	Polynomial Time Approximation Scheme for the Rectilinear Steiner Arborescence Problem. Journal of Combinatorial Optimization, 2000, 4, 357-363.	1.3	24
11	A Dynamic Routing Algorithm With Load Balancing Heuristics for Restorable Connections in WDM Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 1823-1829.	14.0	23
12	An efficient reliable multicast protocol for 802.11-based wireless LANs. , 2009, , .		19
13	A Hybrid Protection/Restoration Scheme for Two-Link Failure in WDM Mesh Networks. , 2010, , .		10
14	Broadcast Routing with Minimum Wavelength Conversion in WDM Optical Networks. Journal of Combinatorial Optimization, 2005, 9, 223-235.	1.3	7
15	Dynamic Provisioning of Survivable Services Using Path-Segment Protecting p-Cycles in WDM Networks. Computer Communications and Networks (IC3N), Proceedings of the IEEE International Conference on, 2006, , .	0.0	7
16	Load balancing heuristics for dynamic establishment of restorable lightpaths. , 0, , .		6
17	A Joint Radio and Channel Assignment (JRCA) Scheme for 802.11-Based Wireless Mesh Networks. , 2009, , .		6
18	Logical topology augmentation for survivable mapping in IP-over-WDM networks. , 2005, , .		5

#	ARTICLE	IF	CITATIONS
19	A machine learning approach to edge type inference in Internet AS graphs. , 2016, , .		3
20	Optimal Rectangular Partitions. , 2004, , 313-327.		2
21	p-cycle design in survivable WDM networks with shared risk link groups (SRLGS). , 0, , .		2
22	An efficient scheme for two-link failure protection/restoration in WDM mesh networks. Journal of High Speed Networks, 2012, 18, 185-195.	0.8	2
23	A fast lightpath restoration method using two backup paths in WDM networks. , 0, , .		1
24	A multi-layer adaptive protection scheme for IP/MPLS-over-WDM networks. , 2009, , .		1
25	PXT-based path protection for multicast sessions in WDM networks. , 2010, , .		1
26	Survivable multipath provisioning in OFDM-based flexible optical networks. , 2012, , .		1
27	TRANSMISSION FAULT-TOLERANCE OF ITERATED LINE DIGRAPHS. Journal of Interconnection Networks, 2004, 05, 475-487.	1.0	0