

Andrzej Jajszczyk

List of Publications by Year in descending order

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71
papers

907
citations

759233

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642732

23
g-index

78
all docs

78
docs citations

78
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	FAN in Case of Failure. Computer Communications and Networks, 2020, , 157-170.	0.8	0
2	Flow-Oriented Approaches. Computer Communications and Networks, 2020, , 1-52.	0.8	0
3	Implementation of Cross-Protect Router. Computer Communications and Networks, 2020, , 219-228.	0.8	0
4	Flow-Aware Networking. Computer Communications and Networks, 2020, , 53-82.	0.8	0
5	Service Differentiation in FAN. Computer Communications and Networks, 2020, , 171-194.	0.8	0
6	Implementation of Advanced Mechanisms for Cross-Protect Router. Computer Communications and Networks, 2020, , 229-242.	0.8	0
7	Fairness in FAN. Computer Communications and Networks, 2020, , 145-155.	0.8	0
8	Generic Dijkstra for optical networks. Journal of Optical Communications and Networking, 2019, 11, 568.	4.8	18
9	Itinerant Routing in Elastic Optical Networks. Journal of Lightwave Technology, 2017, 35, 1868-1875.	4.6	7
10	Communication via FRET in Nanonetworks of Mobile Proteins. , 2016, , .		0
11	Green Cloud Provisioning Throughout Cooperation of a WDM Wide Area Network and a Hybrid Power IT Infrastructure. Journal of Grid Computing, 2016, 14, 127-151.	3.9	11
12	Energy-aware fog and cloud interplay supported by wide area software defined networking. , 2016, , .		32
13	Assessment of a power capping strategy in a multilayer network with a variable number of green nodes. , 2016, , .		0
14	Two Rerouting-Based Congestion Control Algorithms for Centrally Managed Flow-Oriented Networks. IEEE Communications Letters, 2016, 20, 1963-1966.	4.1	4
15	Efficient congestion control mechanism for flow-aware networks. International Journal of Communication Systems, 2016, 29, 787-800.	2.5	4
16	Cycle configuration possibilities over DRDA networks. Transactions on Emerging Telecommunications Technologies, 2015, 26, 1086-1095.	3.9	0
17	Assessing the Structural Complexity of Computer and Communication Networks. ACM Computing Surveys, 2015, 47, 1-36.	23.0	3
18	Flow-Aware Networking. Computer Communications and Networks, 2015, , 53-81.	0.8	0

#	ARTICLE	IF	CITATIONS
19	Flow-Oriented Approaches. Computer Communications and Networks, 2015, , 1-51.	0.8	0
20	Congestion Control in Flow-Aware Networks. Computer Communications and Networks, 2015, , 101-141.	0.8	1
21	Service Differentiation in FAN. Computer Communications and Networks, 2015, , 171-193.	0.8	0
22	Anycast routing for carbon footprint reduction in WDM hybrid power networks with data centers. , 2014, , .		7
23	Dynamic power capping for multilayer hybrid power networks. , 2014, , .		4
24	Fitting green anycast strategies to cloud services in WDM hybrid power networks. , 2014, , .		7
25	Mobile routing in elastic optical networks. , 2014, , .		0
26	EFMP – a new congestion control mechanism for flow-aware networks. Transactions on Emerging Telecommunications Technologies, 2014, 25, 1137-1148.	3.9	8
27	Least Cost Routing (LCR) solution for inter-domain traffic distribution. Telecommunication Systems, 2013, 52, 979.	2.5	0
28	Emerging technologies in communications. IEEE Journal on Selected Areas in Communications, 2013, 31, 1-5.	14.0	7
29	A dynamic limitation mechanism for flow-aware networks. , 2013, , .		3
30	Energy aware routing and aggregation in multilayer optical networks. , 2013, , .		0
31	Peer-to-Peer Multicasting Inspired by Huffman Coding. Journal of Computer Networks and Communications, 2013, 2013, 1-11.	1.6	2
32	Per user fairness in Flow-Aware Networks. , 2012, , .		10
33	Flow Oriented Approaches to QoS Assurance. ACM Computing Surveys, 2012, 44, 1-37.	23.0	25
34	On stability of virtual topologies in dynamic multilayer networks. , 2012, , .		1
35	Huffman coding inspired Peer-to-Peer multicasting. , 2012, , .		1
36	Resource provisioning for multigranular traffic flows in multilayer networks. Photonic Network Communications, 2012, 23, 60-66.	2.7	4

#	ARTICLE	IF	CITATIONS
37	QoX: What is it really?. , 2011, 49, 148-158.		94
38	Congestion Control in Wireless Flow-Aware Networks. , 2011, , .		14
39	Predictive Flow-Aware Networks. , 2011, , .		5
40	LCR solution for performance and cost-efficient inter-domain traffic distribution. , 2010, , .		1
41	The weighted graphs approach for the GMPLS network reliability enhancement. , 2010, , .		1
42	QoS-Aware Net Neutrality. , 2009, , .		21
43	Reliable Transmission in Flow-Aware Networks. , 2009, , .		20
44	Optimized Protection Schemes for Resilient Interdomain Traffic Distribution. , 2009, , .		0
45	Quality of resilience as a network reliability characterization tool. IEEE Network, 2009, 23, 11-19.	6.9	66
46	Continuity-based resilient communication. , 2009, , .		8
47	Admission control policies in flow-aware networks. , 2009, , .		9
48	A multi-layer recovery strategy in FAN over WDM architectures. , 2009, , .		7
49	The Impact of Congestion Control Mechanisms on Network Performance after Failure in Flow-Aware Networks. Lecture Notes in Computer Science, 2009, , 53-67.	1.3	7
50	The Flushing Mechanism for MBAC in Flow-Aware Networks. , 2008, , .		14
51	Analytical Models for Multi-RED Queues Serving as Droppers in DiffServ Networks. , 2007, , .		10
52	Reliability Assessment of Optical p-Cycles. IEEE/ACM Transactions on Networking, 2007, 15, 1579-1592.	3.8	16
53	Emergency Calls in Flow-Aware Networks. IEEE Communications Letters, 2007, 11, 753-755.	4.1	19
54	Grade-of-service-based routing in optical networks [Quality-of-Service-Based Routing Algorithms for Heterogeneous Networks]. , 2007, 45, 82-87.		23

#	ARTICLE	IF	CITATIONS
55	Advances in control and management of connection-oriented networks: part 2 [guest editorial]. , 2007, 45, 76-76.		3
56	A survey of resilience differentiation frameworks in communication networks. IEEE Communications Surveys and Tutorials, 2007, 9, 32-55.	39.4	116
57	Failure Detection and Notification in GMPLS Control Plane. , 2007, , .		11
58	Advances in control and management of connection-oriented networks [Guest Eeditorial]. , 2006, 44, 58-59.		6
59	Joint Quantification of Resilience and Quality of Service. , 2006, , .		11
60	Route Management Strategies for Grade of Service Differentiation in Optical Networks. , 2006, , .		9
61	NGL01-1: Least Cost Routing in Inter-Carrier Context. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
62	Optical networksâ€™the electro-optic reality. Optical Switching and Networking, 2005, 1, 3-18.	2.0	22
63	Automatically switched optical networks: benefits and requirements. IEEE Communications Magazine, 2005, 43, S10-S15.	6.1	43
64	Tree-type photonic switching networks. IEEE Network, 1995, 9, 10-16.	6.9	4
65	A class of directional-coupler-based photonic switching networks. IEEE Transactions on Communications, 1993, 41, 599-603.	7.8	28
66	A new concept-repackable networks. IEEE Transactions on Communications, 1993, 41, 1232-1237.	7.8	28
67	Fault diagnosis of digital switching networks. IEEE Transactions on Communications, 1989, 37, 732-739.	7.8	7
68	On Nonblocking Multiconnection Networks. IEEE Transactions on Communications, 1986, 34, 1038-1041.	7.8	64
69	Cost-effective digital switching network. Electronics Letters, 1985, 21, 909.	1.0	4
70	A Simple Algorithm for the Control of Rearrangeable Switching Networks. IEEE Transactions on Communications, 1985, 33, 169-171.	7.8	22
71	Novel architecture for a digital switching network. Electronics Letters, 1984, 20, 683.	1.0	14