

# Andrzej Jajszczyk

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

907  
citations

759233

12  
h-index

642732

23  
g-index

78  
all docs

78  
docs citations

78  
times ranked

513  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of resilience differentiation frameworks in communication networks. IEEE Communications Surveys and Tutorials, 2007, 9, 32-55.	39.4	116
2	QoX: What is it really?. , 2011, 49, 148-158.		94
3	Quality of resilience as a network reliability characterization tool. IEEE Network, 2009, 23, 11-19.	6.9	66
4	On Nonblocking Multiconnection Networks. IEEE Transactions on Communications, 1986, 34, 1038-1041.	7.8	64
5	Automatically switched optical networks: benefits and requirements. IEEE Communications Magazine, 2005, 43, S10-S15.	6.1	43
6	Energy-aware fog and cloud interplay supported by wide area software defined networking. , 2016, , .		32
7	A class of directional-coupler-based photonic switching networks. IEEE Transactions on Communications, 1993, 41, 599-603.	7.8	28
8	A new concept-repackable networks. IEEE Transactions on Communications, 1993, 41, 1232-1237.	7.8	28
9	Flow Oriented Approaches to QoS Assurance. ACM Computing Surveys, 2012, 44, 1-37.	23.0	25
10	Grade-of-service-based routing in optical networks [Quality-of-Service-Based Routing Algorithms for Heterogeneous Networks]. , 2007, 45, 82-87.		23
11	A Simple Algorithm for the Control of Rearrangeable Switching Networks. IEEE Transactions on Communications, 1985, 33, 169-171.	7.8	22
12	Optical networksâ€™the electro-optic reality. Optical Switching and Networking, 2005, 1, 3-18.	2.0	22
13	QoS-Aware Net Neutrality. , 2009, , .		21
14	Reliable Transmission in Flow-Aware Networks. , 2009, , .		20
15	Emergency Calls in Flow-Aware Networks. IEEE Communications Letters, 2007, 11, 753-755.	4.1	19
16	Generic Dijkstra for optical networks. Journal of Optical Communications and Networking, 2019, 11, 568.	4.8	18
17	Reliability Assessment of Optical p-Cycles. IEEE/ACM Transactions on Networking, 2007, 15, 1579-1592.	3.8	16
18	Novel architecture for a digital switching network. Electronics Letters, 1984, 20, 683.	1.0	14

#	ARTICLE	IF	CITATIONS
19	The Flushing Mechanism for MBAC in Flow-Aware Networks. , 2008, , .		14
20	Congestion Control in Wireless Flow-Aware Networks. , 2011, , .		14
21	Joint Quantification of Resilience and Quality of Service. , 2006, , .		11
22	Failure Detection and Notification in GMPLS Control Plane. , 2007, , .		11
23	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
24	Analytical Models for Multi-RED Queues Serving as Droppers in DiffServ Networks. , 2007, , .		10
25	Per user fairness in Flow-Aware Networks. , 2012, , .		10
26	Route Management Strategies for Grade of Service Differentiation in Optical Networks. , 2006, , .		9
27	Admission control policies in flow-aware networks. , 2009, , .		9
28	Continuity-based resilient communication. , 2009, , .		8
29	EFMP " a new congestion control mechanism for flow-aware networks. Transactions on Emerging Telecommunications Technologies, 2014, 25, 1137-1148.	3.9	8
30	Fault diagnosis of digital switching networks. IEEE Transactions on Communications, 1989, 37, 732-739.	7.8	7
31	A multi-layer recovery strategy in FAN over WDM architectures. , 2009, , .		7
32	Emerging technologies in communications. IEEE Journal on Selected Areas in Communications, 2013, 31, 1-5.	14.0	7
33	Anycast routing for carbon footprint reduction in WDM hybrid power networks with data centers. , 2014, , .		7
34	Fitting green anycast strategies to cloud services in WDM hybrid power networks. , 2014, , .		7
35	Itinerant Routing in Elastic Optical Networks. Journal of Lightwave Technology, 2017, 35, 1868-1875.	4.6	7
36	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

#	ARTICLE	IF	CITATIONS
37	Advances in control and management of connection-oriented networks [Guest Editorial]. , 2006, 44, 58-59.		6
38	Predictive Flow-Aware Networks. , 2011, , .		5
39	Cost-effective digital switching network. Electronics Letters, 1985, 21, 909.	1.0	4
40	Tree-type photonic switching networks. IEEE Network, 1995, 9, 10-16.	6.9	4
41	Resource provisioning for multigranular traffic flows in multilayer networks. Photonic Network Communications, 2012, 23, 60-66.	2.7	4
42	Dynamic power capping for multilayer hybrid power networks. , 2014, , .		4
43	Two Rerouting-Based Congestion Control Algorithms for Centrally Managed Flow-Oriented Networks. IEEE Communications Letters, 2016, 20, 1963-1966.	4.1	4
44	Efficient congestion control mechanism for flow-aware networks. International Journal of Communication Systems, 2016, 29, 787-800.	2.5	4
45	NGL01-1: Least Cost Routing in Inter-Carrier Context. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
46	Advances in control and management of connection-oriented networks: part 2 [guest editorial]. , 2007, 45, 76-76.		3
47	A dynamic limitation mechanism for flow-aware networks. , 2013, , .		3
48	Assessing the Structural Complexity of Computer and Communication Networks. ACM Computing Surveys, 2015, 47, 1-36.	23.0	3
49	Peer-to-Peer Multicasting Inspired by Huffman Coding. Journal of Computer Networks and Communications, 2013, 2013, 1-11.	1.6	2
50	LCR solution for performance and cost-efficient inter-domain traffic distribution. , 2010, , .		1
51	The weighted graphs approach for the GMPLS network reliability enhancement. , 2010, , .		1
52	On stability of virtual topologies in dynamic multilayer networks. , 2012, , .		1
53	Huffman coding inspired Peer-to-Peer multicasting. , 2012, , .		1
54	Congestion Control in Flow-Aware Networks. Computer Communications and Networks, 2015, , 101-141.	0.8	1

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55	Optimized Protection Schemes for Resilient Interdomain Traffic Distribution. , 2009, , .		0
56	Least Cost Routing (LCR) solution for inter-domain traffic distribution. Telecommunication Systems, 2013, 52, 979.	2.5	0
57	Energy aware routing and aggregation in multilayer optical networks. , 2013, , .		0
58	Mobile routing in elastic optical networks. , 2014, , .		0
59	Cycle configuration possibilities over DRDA networks. Transactions on Emerging Telecommunications Technologies, 2015, 26, 1086-1095.	3.9	0
60	Communication via FRET in Nanonetworks of Mobile Proteins. , 2016, , .		0
61	Assessment of a power capping strategy in a multilayer network with a variable number of green nodes. , 2016, , .		0
62	Flow-Aware Networking. Computer Communications and Networks, 2015, , 53-81.	0.8	0
63	Flow-Oriented Approaches. Computer Communications and Networks, 2015, , 1-51.	0.8	0
64	Service Differentiation in FAN. Computer Communications and Networks, 2015, , 171-193.	0.8	0
65	FAN in Case of Failure. Computer Communications and Networks, 2020, , 157-170.	0.8	0
66	Flow-Oriented Approaches. Computer Communications and Networks, 2020, , 1-52.	0.8	0
67	Implementation of Cross-Protect Router. Computer Communications and Networks, 2020, , 219-228.	0.8	0
68	Flow-Aware Networking. Computer Communications and Networks, 2020, , 53-82.	0.8	0
69	Service Differentiation in FAN. Computer Communications and Networks, 2020, , 171-194.	0.8	0
70	Implementation of Advanced Mechanisms for Cross-Protect Router. Computer Communications and Networks, 2020, , 229-242.	0.8	0
71	Fairness in FAN. Computer Communications and Networks, 2020, , 145-155.	0.8	0