Eusebi Calle

List of Publications by Year
in descending order

45 papers	719 citations

687363

13 h-index	23 g-index

642732

47 all docs	47 docs citations	47 times ranked	663 citing authors

#	Article	IF	Citations
1	Network Research Simulator. An abstract model formulation. , 2022, , .		0
2	Resilient backup controller placement in distributed SDN under critical targeted attacks. International Journal of Critical Infrastructure Protection, 2021, 33, 100422.	4.6	12
3	Optimal selection of monitoring sites in cities for SARS-CoV-2 surveillance in sewage networks. Environment International, 2021, 157, 106768.	10.0	18
4	Solving The Backup Controller Placement Problem In SDN Under Simultaneous Targeted Attacks. , 2019, , .		9
5	Enhanced connectivity index â€" A new measure for identifying critical points in urban public transportation networks. International Journal of Critical Infrastructure Protection, 2018, 21, 22-32.	4.6	20
6	Resilient Controller Location under Target Attacks. , 2018, , .		3
7	On Selecting the Relevant Metrics of Network Robustness. , 2018, , .		6
8	Robustness quantification of hierarchical complex networks under targeted failures. Computers and Electrical Engineering, 2018, 72, 112-124.	4.8	5
9	Enhanced Interconnection Model in Geographically Interdependent Networks. International Journal of Computers, Communications and Control, 2018, 13, 537-549.	1.8	1
10	Using interdependency matrices to mitigate targeted attacks on interdependent networks: A case study involving a power grid and backbone telecommunications networks. International Journal of Critical Infrastructure Protection, 2017, 16, 3-12.	4.6	25
11	Robustness Comparison of 15 Real Telecommunication Networks: Structural and Centrality Measurements. Journal of Network and Systems Management, 2017, 25, 269-289.	4.9	67
12	Reducing the impact of targeted attacks in interdependent telecommunication networks. , 2016, , .		2
13	RECODIS: Resilient Communication Services Protecting End-user Applications from Disaster-based Failures. , 2016, , .		49
14	Checking Multi-domain Policies in SDN. International Journal of Computers, Communications and Control, 2016, 11, 428.	1.8	5
15	Detection and prevention of firewall-rule conflicts on software-defined networking. , 2015, , .		10
16	Communityâ€bbased traffic preservation in telecommunication networks. International Journal of Communication Systems, 2015, 28, 762-778.	2.5	2
17	Modeling and Simulation of Data Center Networks. , 2015, , 945-958.		3
18	Dissecting the protocol and network traffic of the OnLive cloud gaming platform. Multimedia Systems, 2014, 20, 451-470.	4.7	78

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19	Spread of epidemic-like failures in telecommunication networks. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 457-469.	2.6	7
20	Robustness surfaces of complex networks. Scientific Reports, 2014, 4, 6133.	3.3	16
21	Performance study of wireless sensor and actuator networks in forest fire scenarios. International Journal of Communication Systems, 2013, 26, 515-529.	2.5	43
22	Endurance: A new robustness measure for complex networks under multiple failure scenarios. Computer Networks, 2013, 57, 3641-3653.	5.1	26
23	On the Characterization of the Structural Robustness of Data Center Networks. IEEE Transactions on Cloud Computing, 2013, 1, 1-1.	4.4	80
24	On the Connectivity of Data Center Networks. IEEE Communications Letters, 2013, 17, 2172-2175.	4.1	32
25	Vulnerability of core networks under different epidemic attacks. , 2012, , .		6
26	Failure propagation in GMPLS optical rings: CTMC model and performance analysis. Optical Switching and Networking, 2012, 9, 39-51.	2.0	5
27	Improving the Resilience of Transport Networks to Large-scale Failures. Journal of Networks, 2012, 7, .	0.4	7
28	Restoration in multi-domain GMPLS-based networks. Computer Communications, 2011, 34, 1450-1459.	5.1	1
29	Robustness analysis to multiple failures in GMPLS networks. , 2010, , .		0
30	A multiple failure propagation model in GMPLS-based networks. IEEE Network, 2010, 24, 17-22.	6.9	13
31	Sensors-actuators cooperation in WSANs for fire-fighting applications. , 2010, , .		7
32	Network Survivability: End-to-End Recovery Using Local Failure Information. Texts in Theoretical Computer Science, 2009, , 137-161.	0.8	1
33	Topology-focused availability analysis of basic protection schemes in optical transport networks. Journal of Optical Networking, 2008, 7, 351.	2.5	15
34	Service Level Agreement Framework for Differentiated Survivability in GMPLS-based IP-over-Optical Networks. , 2007, , .		4
35	An enhanced dynamic multilayer routing for networks with protection requirements. Journal of Communications and Networks, 2007, 9, 377-382.	2.6	2
36	Performance evaluation of minimum interference routing in network scenarios with protection requirements. Computer Communications, 2007, 30, 3161-3168.	5.1	5

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37	Minimum interference routing with fast protection. , 2006, 44, 104-111.		2
38	Reliable services with fast protection in IP/MPLS over optical networks. Journal of Optical Networking, 2006, 5, 870.	2.5	8
39	Enhancing fault management performance of two-step QoS routing algorithms in GMPLS networks. , 2004, , .		8
40	Protection performance components in MPLS networks. Computer Communications, 2004, 27, 1220-1228.	5.1	27
41	Qos online routing and mpls multilevel protection: a survey. , 2003, 41, 126-132.		76
42	Enhancing MPLS QoS routing algorithms by using the network protection degree paradigm. , 0, , .		8
43	Evaluating the probability and the impact of a failure in GMPLS based networks. , 0, , .		0
44	Lightweight monitoring of label switched paths for bandwidth management. , 0, , .		2
45	Adding new components to the knowledge plane GMPLS over WDM networks. , 0, , .		0