

Eusebi Calle

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

719
citations

687363

13
h-index

642732

23
g-index

47
all docs

47
docs citations

47
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Characterization of the Structural Robustness of Data Center Networks. IEEE Transactions on Cloud Computing, 2013, 1, 1-1.	4.4	80
2	Dissecting the protocol and network traffic of the OnLive cloud gaming platform. Multimedia Systems, 2014, 20, 451-470.	4.7	78
3	Qos online routing and mpls multilevel protection: a survey. , 2003, 41, 126-132.		76
4	Robustness Comparison of 15 Real Telecommunication Networks: Structural and Centrality Measurements. Journal of Network and Systems Management, 2017, 25, 269-289.	4.9	67
5	RECODIS: Resilient Communication Services Protecting End-user Applications from Disaster-based Failures. , 2016, , .		49
6	Performance study of wireless sensor and actuator networks in forest fire scenarios. International Journal of Communication Systems, 2013, 26, 515-529.	2.5	43
7	On the Connectivity of Data Center Networks. IEEE Communications Letters, 2013, 17, 2172-2175.	4.1	32
8	Protection performance components in MPLS networks. Computer Communications, 2004, 27, 1220-1228.	5.1	27
9	Endurance: A new robustness measure for complex networks under multiple failure scenarios. Computer Networks, 2013, 57, 3641-3653.	5.1	26
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	Enhanced connectivity index " 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
12	Optimal selection of monitoring sites in cities for SARS-CoV-2 surveillance in sewage networks. Environment International, 2021, 157, 106768.	10.0	18
13	Robustness surfaces of complex networks. Scientific Reports, 2014, 4, 6133.	3.3	16
14	Topology-focused availability analysis of basic protection schemes in optical transport networks. Journal of Optical Networking, 2008, 7, 351.	2.5	15
15	A multiple failure propagation model in GMPLS-based networks. IEEE Network, 2010, 24, 17-22.	6.9	13
16	Resilient backup controller placement in distributed SDN under critical targeted attacks. International Journal of Critical Infrastructure Protection, 2021, 33, 100422.	4.6	12
17	Detection and prevention of firewall-rule conflicts on software-defined networking. , 2015, , .		10
18	Solving The Backup Controller Placement Problem In SDN Under Simultaneous Targeted Attacks. , 2019, , .		9

#	ARTICLE	IF	CITATIONS
19	Enhancing MPLS QoS routing algorithms by using the network protection degree paradigm. , 0, , .		8
20	Enhancing fault management performance of two-step QoS routing algorithms in GMPLS networks. , 2004, , .		8
21	Reliable services with fast protection in IP/MPLS over optical networks. Journal of Optical Networking, 2006, 5, 870.	2.5	8
22	Sensors-actuators cooperation in WSANs for fire-fighting applications. , 2010, , .		7
23	Spread of epidemic-like failures in telecommunication networks. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 457-469.	2.6	7
24	Improving the Resilience of Transport Networks to Large-scale Failures. Journal of Networks, 2012, 7, .	0.4	7
25	Vulnerability of core networks under different epidemic attacks. , 2012, , .		6
26	On Selecting the Relevant Metrics of Network Robustness. , 2018, , .		6
27	Performance evaluation of minimum interference routing in network scenarios with protection requirements. Computer Communications, 2007, 30, 3161-3168.	5.1	5
28	Failure propagation in GMPLS optical rings: CTMC model and performance analysis. Optical Switching and Networking, 2012, 9, 39-51.	2.0	5
29	Robustness quantification of hierarchical complex networks under targeted failures. Computers and Electrical Engineering, 2018, 72, 112-124.	4.8	5
30	Checking Multi-domain Policies in SDN. International Journal of Computers, Communications and Control, 2016, 11, 428.	1.8	5
31	Service Level Agreement Framework for Differentiated Survivability in GMPLS-based IP-over-Optical Networks. , 2007, , .		4
32	Resilient Controller Location under Target Attacks. , 2018, , .		3
33	Modeling and Simulation of Data Center Networks. , 2015, , 945-958.		3
34	Lightweight monitoring of label switched paths for bandwidth management. , 0, , .		2
35	Minimum interference routing with fast protection. , 2006, 44, 104-111.		2
36	An enhanced dynamic multilayer routing for networks with protection requirements. Journal of Communications and Networks, 2007, 9, 377-382.	2.6	2

#	ARTICLE	IF	CITATIONS
37	Community-based traffic preservation in telecommunication networks. International Journal of Communication Systems, 2015, 28, 762-778.	2.5	2
38	Reducing the impact of targeted attacks in interdependent telecommunication networks. , 2016, , .		2
39	Restoration in multi-domain GMPLS-based networks. Computer Communications, 2011, 34, 1450-1459.	5.1	1
40	Enhanced Interconnection Model in Geographically Interdependent Networks. International Journal of Computers, Communications and Control, 2018, 13, 537-549.	1.8	1
41	Network Survivability: End-to-End Recovery Using Local Failure Information. Texts in Theoretical Computer Science, 2009, , 137-161.	0.8	1
42	Evaluating the probability and the impact of a failure in GMPLS based networks. , 0, , .		0
43	Adding new components to the knowledge plane GMPLS over WDM networks. , 0, , .		0
44	Robustness analysis to multiple failures in GMPLS networks. , 2010, , .		0
45	Network Research Simulator. An abstract model formulation. , 2022, , .		0