

# Gianfranco Nencioni

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

609  
citations

933447

10  
h-index

794594

19  
g-index

35  
all docs

35  
docs citations

35  
times ranked

577  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of 5G Technologies in a Smart City: The Case for Intelligent Transportation System. Sustainability, 2021, 13, 5188.	3.2	116
2	5G Network Slicing: A Security Overview. IEEE Access, 2020, 8, 99999-100009.	4.2	67
3	Dependability of the NFV Orchestrator: State of the Art and Research Challenges. IEEE Communications Surveys and Tutorials, 2018, 20, 3307-3329.	39.4	66
4	A branch-and-Benders-cut method for nonlinear power design in green wireless local area networks. European Journal of Operational Research, 2016, 255, 151-162.	5.7	34
5	A Fault-Tolerant and Consistent SDN Controller. , 2016, , .		33
6	Including Failure Correlation in Availability Modeling of a Software-Defined Backbone Network. IEEE Transactions on Network and Service Management, 2017, 14, 1032-1045.	4.9	29
7	Orchestration and Control in Software-Defined 5G Networks: Research Challenges. Wireless Communications and Mobile Computing, 2018, 2018, 1-18.	1.2	29
8	The Isolation Concept in the 5G Network Slicing. , 2020, , .		26
9	Network-Aware Availability Modeling of an End-to-End NFV-Enabled Service. IEEE Transactions on Network and Service Management, 2019, 16, 1389-1403.	4.9	25
10	Availability Modelling of Software-Defined Backbone Networks. , 2016, , .		21
11	Service Availability in the NFV Virtualized Evolved Packet Core. , 2015, , .		18
12	Does Traffic Consolidation Always Lead to Network Energy Savings?. IEEE Communications Letters, 2013, 17, 1852-1855.	4.1	17
13	Energy Aware Routing Based on Energy Characterization of Devices: Solutions and Analysis. , 2011, , .		16
14	SCORE: Exploiting Global Broadcasts to Create Offline Personal Channels for On-Demand Access. IEEE/ACM Transactions on Networking, 2016, 24, 2429-2442.	3.8	15
15	Mixed Integer Non-Linear Programming models for Green Network Design. Computers and Operations Research, 2013, 40, 273-281.	4.0	14
16	Modeling and Evaluating NFV-Enabled Network Services under Different Availability Modes. , 2019, , .		13
17	Robust optimisation of green wireless LANs under rate uncertainty and user mobility. Electronic Notes in Discrete Mathematics, 2016, 52, 221-228.	0.4	10
18	The impact of the access point power model on the energy-efficient management of infrastructured wireless LANs. Computer Networks, 2016, 94, 99-111.	5.1	10

#	ARTICLE	IF	CITATIONS
19	Benders Decomposition for a Location-Design Problem in Green Wireless Local Area Networks. <i>Electronic Notes in Discrete Mathematics</i> , 2013, 41, 367-374.	0.4	7
20	Network Power Management: Models and Heuristic Approaches. , 2011, , .		5
21	The greening potential of content delivery in residential community networks. <i>Computer Networks</i> , 2014, 73, 256-267.	5.1	5
22	Optimal Access Point Power Management for Green IEEE 802.11 Networks. <i>Sensors</i> , 2021, 21, 2076.	3.8	5
23	Using Distributed Reinforcement Learning for Resource Orchestration in a Network Slicing Scenario. <i>IEEE/ACM Transactions on Networking</i> , 2023, 31, 88-102.	3.8	5
24	Power-Aware Routing and Network Design with Bundled Links: Solutions and Analysis. <i>Journal of Computer Networks and Communications</i> , 2013, 2013, 1-16.	1.6	4
25	Energy efficiency and traffic offloading in wireless mesh networks with delay bounds. <i>International Journal of Communication Systems</i> , 2017, 30, e2902.	2.5	4
26	Design and Performance Evaluation of Service Overlay Networks Topologies. <i>Journal of Networks</i> , 2011, 6, .	0.4	4
27	A New Markov Model for Evaluating the ALR Dual-Threshold Policy. , 2009, , .		3
28	Minimizing the Cost of 5G Network Slice Broker. , 2021, , .		3
29	The energy footprint of Content-Centric Residential Community Networks. , 2013, , .		2
30	Energy efficiency and traffic offloading in WLANs with caching and mesh capabilities. , 2014, , .		1
31	Assessing the risk of violating SLA dependability requirements in software-defined networks. , 2017, , .		1
32	Energy-efficient resource allocation in wireless LANs under non-linear capacity constraints. , 2020, , .		1
33	Power measurement campaign for evaluating the energy efficiency of current NICs. , 2011, , .		0
34	Service Availability in the NFV Virtualized Evolved Packet Core. , 2014, , .		0
35	CCNA-Based Communication Technology Courses. <i>IEEE Communications Magazine</i> , 2020, 58, 102-108.	6.1	0