

Gennaro Boggia

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,170
citations

516710

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h-index

361022

35
g-index

53
all docs

53
docs citations

53
times ranked

2343
citing authors

#	ARTICLE	IF	CITATIONS
1	An Optimized Energy-Harvesting Transmission Scheme for Diffusion-Based Molecular Communications. IEEE Transactions on Nanobioscience, 2023, 22, 345-355.	3.3	0
2	Looking at NB-IoT Over LEO Satellite Systems: Design and Evaluation of a Service-Oriented Solution. IEEE Internet of Things Journal, 2022, 9, 14952-14964.	8.7	6
3	Boosting Service Provisioning in SloT by Exploiting Trust and Capability Levels of Social Objects. , 2022, , .		0
4	Distributed and Privacy-Preserving Data Dissemination at the Network Edge via Attribute-Based Searchable Encryption. , 2022, , .		1
5	Energy-Efficient LoRaWAN for Industry 4.0 Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 891-902.	11.3	62
6	Anticipatory Allocation of Communication and Computational Resources at the Edge Using Spatio-Temporal Dynamics of Mobile Users. IEEE Transactions on Network and Service Management, 2021, 18, 4548-4562.	4.9	10
7	A quantitative cross-comparison of container networking technologies for virtualized service infrastructures in local computing environments. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4234.	3.9	7
8	An Autonomous Cybersecurity Framework for Next-generation Digital Service Chains. Journal of Network and Systems Management, 2021, 29, 1.	4.9	4
9	Architecting 5G RAN slicing for location aware vehicle to infrastructure communications: The Autonomous Tram use case. Computer Networks, 2021, 200, 108501.	5.1	3
10	Deep reinforcement learning-aided RAN slicing enforcement supporting latency sensitive services in B5G networks. Internet Technology Letters, 2021, 4, e328.	1.9	2
11	Multi-Task Learning at the Mobile Edge: An Effective Way to Combine Traffic Classification and Prediction. IEEE Transactions on Vehicular Technology, 2020, 69, 10362-10374.	6.3	38
12	A Softwarized Service Infrastructure for the Dynamic Orchestration of IT Resources in 5G Deployments. , 2020, , .		1
13	Towards an Optimal Management of the 5G Cloud-RAN through a Spatio-Temporal Prediction of Users' Dynamics. , 2020, , .		5
14	5G-air-simulator: An open-source tool modeling the 5G air interface. Computer Networks, 2020, 173, 107151.	5.1	26
15	A Lean Control Theoretic Approach to Energy-Harvesting in Diffusion-Based Molecular Communications. IEEE Communications Letters, 2020, 24, 981-985.	4.1	7
16	Understanding the 5G-air-simulator: A tutorial on design criteria, technical components, and reference use cases. Computer Networks, 2020, 177, 107314.	5.1	13
17	Towards Long-Lasting Nanoscale Wireless Communications in the Terahertz Band for Biomedical Applications. Lecture Notes in Computer Science, 2020, , 145-158.	1.3	0
18	A Feedback Control Strategy for Energy-Harvesting in Diffusion-Based Molecular Communication Systems. IEEE Transactions on Communications, 2020, , 1-1.	7.8	1

#	ARTICLE	IF	CITATIONS
19	Blockchain as a service: Securing bartering functionalities in the H2020 symbloTe framework. Internet Technology Letters, 2019, 2, e72.	1.9	7
20	A Qualitative Cross-Comparison of Emerging Technologies for Software-Defined Systems. , 2019, , .		11
21	Unveiling Radio Resource Utilization Dynamics of Mobile Traffic through Unsupervised Learning. , 2019, , .		2
22	On the Evaluation of the NB-IoT Random Access Procedure in Monitoring Infrastructures. Sensors, 2019, 19, 3237.	3.8	28
23	Architecting RAN Slicing for URLLC: Design Decisions and Open Issues. , 2019, , .		4
24	EXCHANGE: Securing IoT via channel anonymity. Computer Communications, 2019, 134, 14-29.	5.1	13
25	A look at random access for machine-type communications in 5th generation cellular networks. Internet Technology Letters, 2018, 1, e3.	1.9	9
26	Position and Velocity Estimation of a Non-Cooperative Source From Asynchronous Packet Arrival Time Measurements. IEEE Transactions on Mobile Computing, 2018, 17, 2166-2179.	5.8	32
27	Secure selective dropping congestion control in hybrid wireless multimedia sensor networks. Wireless Networks, 2018, 24, 309-328.	3.0	2
28	Massive MIMO interference coordination for 5G broadband access: Integration and system level study. Computer Networks, 2018, 147, 191-203.	5.1	10
29	Energy Harvesting in LoRaWAN: A Cost Analysis for the Industry 4.0. IEEE Communications Letters, 2018, 22, 2358-2361.	4.1	33
30	When Renewable Energy Meets LoRa: A Feasibility Analysis on Cable-Less Deployments. IEEE Internet of Things Journal, 2018, 5, 5097-5108.	8.7	28
31	On the Design of a Decentralized and Multiauthority Access Control Scheme in Federated and Cloud-Assisted Cyber-Physical Systems. IEEE Internet of Things Journal, 2018, 5, 5190-5204.	8.7	20
32	Understanding the social impact of ICN: between myth and reality. AI and Society, 2017, 32, 401-419.	4.6	4
33	OAuth-IoT: An access control framework for the Internet of Things based on open standards. , 2017, , .		45
34	Uplink Resource Management in 5G: When a Distributed and Energy-Efficient Solution Meets Power and QoS Constraints. IEEE Transactions on Vehicular Technology, 2017, 66, 5176-5189.	6.3	12
35	Public Key Authentication and Key Agreement in IoT Devices With Minimal Airtime Consumption. IEEE Embedded Systems Letters, 2017, 9, 1-4.	1.9	79
36	Link-layer security in TSCH networks: effect on slot duration. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3089.	3.9	9

#	ARTICLE	IF	CITATIONS
37	A novel approach for characterizing multimedia 3D video streams by means of quasiperiodic processes. <i>Signal, Image and Video Processing</i> , 2016, 10, 1113-1118.	2.7	4
38	ICN software tools: Survey and cross-comparison. <i>Simulation Modelling Practice and Theory</i> , 2016, 63, 23-46.	3.8	15
39	A Markov Model for Characterizing IEEE 802.15.4 MAC Layer in Noisy Environments. <i>IEEE Transactions on Industrial Electronics</i> , 2015, 62, 5133-5142.	7.9	20
40	Terahertz Communications in Human Tissues at the Nanoscale for Healthcare Applications. <i>IEEE Nanotechnology Magazine</i> , 2015, 14, 404-406.	2.0	75
41	An IoT-based measurement system for aerial vehicles. , 2015, , .		4
42	CCN simulators. , 2014, , .		5
43	Information-centric networking and multimedia services: present and future challenges. <i>Transactions on Emerging Telecommunications Technologies</i> , 2014, 25, 392-406.	3.9	30
44	IoT-aided robotics applications: Technological implications, target domains and open issues. <i>Computer Communications</i> , 2014, 54, 32-47.	5.1	175
45	A standard compliant security framework for IEEE 802.15.4 networks. , 2014, , .		22
46	Standardized Protocol Stack for the Internet of (Important) Things. <i>IEEE Communications Surveys and Tutorials</i> , 2013, 15, 1389-1406.	39.4	581
47	SETA: A secure sharing of tasks in clustered wireless sensor networks. , 2013, , .		8
48	DyDAP: A dynamic data aggregation scheme for privacy aware wireless sensor networks. <i>Journal of Systems and Software</i> , 2012, 85, 152-166.	4.5	42
49	Selective Dropping Congestion Control for wireless multimedia sensor networks. , 2011, , .		1
50	Simulating LTE Cellular Systems: An Open-Source Framework. <i>IEEE Transactions on Vehicular Technology</i> , 2011, 60, 498-513.	6.3	581
51	Secure Wireless Multimedia Sensor Networks: A Survey. , 2009, , .		34