

# Carlo Giannelli

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

880  
citations

687220

13  
h-index

752573

20  
g-index

62  
all docs

62  
docs citations

62  
times ranked

847  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design Guidelines and a Prototype Implementation for Cyber-Resiliency in IT/OT Scenarios Based on Blockchain and Edge Computing. IEEE Internet of Things Journal, 2022, 9, 4816-4832.	5.5	3
2	Editorial "Industrial IoT as IT and OT Convergence: Challenges and Opportunities". IoT, 2022, 3, 259-261.	2.3	10
3	Software-Defined Networking in wireless ad hoc scenarios: Objectives and control architectures. Journal of Network and Computer Applications, 2022, 203, 103387.	5.8	13
4	Digital twin oriented architecture for secure and QoS aware intelligent communications in industrial environments. Pervasive and Mobile Computing, 2022, 85, 101646.	2.1	6
5	QoS-Enabled Semantic Routing for Industry 4.0 based on SDN and MOM Integration. , 2021, , .		5
6	Interoperable Blockchains for Highly-Integrated Supply Chains in Collaborative Manufacturing. Sensors, 2021, 21, 4955.	2.1	29
7	BlockHealth: Blockchain-based secure and peer-to-peer health information sharing with data protection and right to be forgotten. ICT Express, 2021, 7, 308-315.	3.3	11
8	Application-Driven Network-Aware Digital Twin Management in Industrial Edge Environments. IEEE Transactions on Industrial Informatics, 2021, 17, 7791-7801.	7.2	60
9	SDN-based Differentiated Traffic Flow Management for Industrial Internet of Things Environments. , 2021, , .		1
10	Servitization in the Era of Blockchain: the Ice Cream Supply Chain Business Case. , 2020, , .		6
11	FUSION "Fog Computing and Blockchain for Trusted Industrial Internet of Things. IEEE Transactions on Engineering Management, 2020, , 1-15.	2.4	12
12	Multi Layer Routing in SDN-enabled Fog Environments. , 2020, , .		0
13	Internet of Things and Blockchain Technologies for Food Safety Systems. , 2020, , .		8
14	Blockchain for Increased Cyber-Resiliency of Industrial Edge Environments. , 2020, , .		2
15	SDN-Based Regulated Flow Routing in MANETs. , 2020, , .		6
16	A Reference Model and Prototype Implementation for SDN-Based Multi Layer Routing in Fog Environments. IEEE Transactions on Network and Service Management, 2020, 17, 1460-1473.	3.2	13
17	HOListic pRocessing and NETworking (HORNET): An Integrated Solution for IoT-Based Fog Computing Services. IEEE Access, 2020, 8, 66707-66721.	2.6	9
18	SDN-Based Traffic Management Middleware for Spontaneous WMNs. Journal of Network and Systems Management, 2020, 28, 1575-1609.	3.3	6

#	ARTICLE	IF	CITATIONS
19	The Advent of the Internet of Things in Airfield Lightning Systems: Paving the Way from a Legacy Environment to an Open World. <i>Sensors</i> , 2019, 19, 4724.	2.1	2
20	Smart Appliances and RAMI 4.0: Management and Servitization of Ice Cream Machines. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 1007-1016.	7.2	34
21	Multi-domain SDN controller federation in hybrid FiWi-MANET networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2018, 2018, .	1.5	10
22	Quality Management of Surveillance Multimedia Streams Via Federated SDN Controllers in Fiwi-IoT Integrated Deployment Environments. <i>IEEE Access</i> , 2018, 6, 21324-21341.	2.6	23
23	Supporting the Development of Next-generation Fog Services. , 2018, , .		2
24	MANET-oriented SDN: Motivations, Challenges, and a Solution Prototype. , 2018, , .		22
25	Software Defined Networking for Quality-aware Management of Multi-hop Spontaneous Networks. , 2018, , .		11
26	Multi-stage resource allocation in hybrid 25G-EPON and LTE-Advanced Pro FiWi networks for 5G systems. <i>IET Networks</i> , 2018, 7, 173-180.	1.1	4
27	A Middleware Solution for Wireless IoT Applications in Sparse Smart Cities. <i>Sensors</i> , 2017, 17, 2525.	2.1	16
28	The Pervasive Environment Sensing and Sharing Solution. <i>Sustainability</i> , 2017, 9, 585.	1.6	18
29	Middleware-Layer Quality-Aware Collaborative Re-casting of Live Multimedia in Multi-hop Spontaneous Networks. <i>Journal of Network and Systems Management</i> , 2015, 23, 620-649.	3.3	6
30	Cyber Physical Sensors and Actuators for Privacy- and Cost-Aware Optimization of User-Generated Content Provisioning. <i>International Journal of Distributed Sensor Networks</i> , 2015, 2015, 1-10.	1.3	1
31	Peer-to-Peer Content Sharing Based on Social Identities and Relationships. <i>IEEE Internet Computing</i> , 2014, 18, 55-63.	3.2	29
32	MINA: A reflective middleware for managing dynamic multinet network environments. , 2014, , .		20
33	A Software Defined Networking architecture for the Internet-of-Things. , 2014, , .		240
34	A practical approach to easily monitoring and managing IaaS environments. , 2013, , .		2
35	Social-Aware Differentiated Visibility of Home-to-Home Shared Resources in Spontaneous Networks. , 2013, , .		1
36	Smart communications via a tree-based overlay over multiple and heterogeneous (TOMH) spontaneous networks. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
37	Middleware for Semantic Multicast in Spontaneous Multi-hop Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 45-61.	0.2	0
38	The Smart-M3 Semantic Information Broker (SIB) Plug-In Extension: Implementation and Evaluation Experiences. , 2012, , .		1
39	Middleware for Differentiated Quality in Spontaneous Networks. IEEE Pervasive Computing, 2012, 11, 64-75.	1.1	18
40	Discovering and accessing peer-to-peer services in UPnP-based federated Domotic Islands. IEEE Transactions on Consumer Electronics, 2012, 58, 810-818.	3.0	12
41	A Unifying Perspective on Context-Aware Evaluation and Management of Heterogeneous Wireless Connectivity. IEEE Communications Surveys and Tutorials, 2011, 13, 337-357.	24.8	18
42	Differentiated Management Strategies for Multi-Hop Multi-Path Heterogeneous Connectivity in Mobile Environments. IEEE Transactions on Network and Service Management, 2011, 8, 190-204.	3.2	19
43	The real Ad-hoc Multi-hop Peer-to-peer (RAMP) middleware: An easy-to-use support for spontaneous networking. , 2010, , .		21
44	Internet Connectivity Sharing in Multi-path Spontaneous Networks: Comparing and Integrating Network- and Application-Layer Approaches. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 84-99.	0.2	4
45	Mobility-aware Management of Internet Connectivity in Always Best Served Wireless Scenarios. Mobile Networks and Applications, 2009, 14, 18-34.	2.2	15
46	Middleware Solutions for Self-organizing Multi-hop Multi-path Internet Connectivity Based on Bluetooth. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 58-71.	0.2	0
47	Social sharing of connectivity resources: control and encouragement of unselfishness in mobile environments. , 2009, , .		1
48	Multi-hop Multi-path Cooperative Connectivity Guided by Mobility, Throughput, and Energy Awareness: a Middleware Approach. Journal of Software, 2009, 4, .	0.6	3
49	The PoSIM middleware for translucent and context-aware integrated management of heterogeneous positioning systems. Computer Communications, 2008, 31, 1078-1090.	3.1	9
50	Mobility-aware middleware for self-organizing heterogeneous networks with multihop multipath connectivity. IEEE Wireless Communications, 2008, 15, 22-30.	6.6	15
51	A layered infrastructure for mobility-aware best connectivity in the heterogeneous wireless internet. , 2008, , .		6
52	Context-Aware Middleware for Reliable Multi-hop Multi-path Connectivity. Lecture Notes in Computer Science, 2008, , 66-78.	1.0	2
53	Mobility-Aware Connectivity for Seamless Multimedia Delivery in the Heterogeneous Wireless Internet. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	3
54	LIFE.net over Web: An advanced monitoring protocol for UPS systems. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
55	Evaluating Filtering Strategies for Decentralized Handover Prediction in the Wireless Internet. , 2006, , .		28
56	Coupling Transparency and Visibility: a Translucent Middleware Approach for Positioning System Integration and Management (PoSIM). , 2006, , .		6
57	Adaptive Buffering-Based on Handoff Prediction for Wireless Internet Continuous Services. Lecture Notes in Computer Science, 2005, , 1021-1032.	1.0	7
58	Mobile Proxies for Proactive Buffering in Wireless Internet Multimedia Streaming. , 0, , .		16
59	Efficiently Managing Location Information with Privacy Requirements in Wi-Fi Networks: a Middleware Approach. , 0, , .		19