Carlo Giannelli

List of Publications by Year
in descending order

59 papers	**880** citations

686830

13
h-index

752256

20
g-index

62
all docs

62
docs citations

62
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	A Software Defined Networking architecture for the Internet-of-Things. , 2014, , .		240
2	Application-Driven Network-Aware Digital Twin Management in Industrial Edge Environments. IEEE Transactions on Industrial Informatics, 2021, 17, 7791-7801.	7.2	60
3	Smart Appliances and RAMI 4.0: Management and Servitization of Ice Cream Machines. IEEE Transactions on Industrial Informatics, 2019, 15, 1007-1016.	7.2	34
4	Peer-to-Peer Content Sharing Based on Social Identities and Relationships. IEEE Internet Computing, 2014, 18, 55-63.	3.2	29
5	Interoperable Blockchains for Highly-Integrated Supply Chains in Collaborative Manufacturing. Sensors, 2021, 21, 4955.	2.1	29
6	Evaluating Filtering Strategies for Decentralized Handover Prediction in the Wireless Internet. , 2006, , .		28
7	Quality Management of Surveillance Multimedia Streams Via Federated SDN Controllers in Fiwi-Iot Integrated Deployment Environments. IEEE Access, 2018, 6, 21324-21341.	2.6	23
8	MANET-oriented SDN: Motivations, Challenges, and a Solution Prototype. , 2018, , .		22
9	The real Ad-hoc Multi-hop Peer-to-peer (RAMP) middleware: An easy-to-use support for spontaneous networking. , 2010, , .		21
10	MINA: A reflective middleware for managing dynamic multinetwork environments. , 2014, , .		20
11	Efficiently Managing Location Information with Privacy Requirements in Wi-Fi Networks: a Middleware Approach. , 0, , .		19
12	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
13	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
14	Middleware for Differentiated Quality in Spontaneous Networks. IEEE Pervasive Computing, 2012, 11, 64-75.	1.1	18
15	The PeRvasive Environment Sensing and Sharing Solution. Sustainability, 2017, 9, 585.	1.6	18
16	Mobile Proxies for Proactive Buffering in Wireless Internet Multimedia Streaming. , 0, , .		16
17	A Middleware Solution for Wireless IoT Applications in Sparse Smart Cities. Sensors, 2017, 17, 2525.	2.1	16
18	Mobility-aware middleware for self-organizing heterogeneous networks with multihop multipath connectivity. IEEE Wireless Communications, 2008, 15, 22-30.	6.6	15

#	Article	IF	Citations
19	Mobility-aware Management of Internet Connectivity in Always Best Served Wireless Scenarios. Mobile Networks and Applications, 2009, 14, 18-34.	2.2	15
20	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
21	Software-Defined Networking in wireless ad hoc scenarios: Objectives and control architectures. Journal of Network and Computer Applications, 2022, 203, 103387.	5.8	13
22	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
23	FUSIONâ€"Fog Computing and Blockchain for Trusted Industrial Internet of Things. IEEE Transactions on Engineering Management, 2020, , 1-15.	2.4	12
24	Software Defined Networking for Quality-aware Management of Multi-hop Spontaneous Networks. , 2018, , .		11
25	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
26	Multi-domain SDN controller federation in hybrid FiWi-MANET networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	1.5	10
27	Editorial â€œIndustrial IoT as IT and OT Convergence: Challenges and Opportunitiesâ€. IoT, 2022, 3, 259-261.	2.3	10
28	The PoSIM middleware for translucent and context-aware integrated management of heterogeneous positioning systems. Computer Communications, 2008, 31, 1078-1090.	3.1	9
29	HOlistic pRocessing and NETworking (HORNET): An Integrated Solution for IoT-Based Fog Computing Services. IEEE Access, 2020, 8, 66707-66721.	2.6	9
30	Internet of Things and Blockchain Technologies for Food Safety Systems. , 2020, , .		8
31	Adaptive Buffering-Based on Handoff Prediction for Wireless Internet Continuous Services. Lecture Notes in Computer Science, 2005, , 1021-1032.	1.0	7
32	Coupling Transparency and Visibility: a Translucent Middleware Approach for Positioning System Integration and Management (PoSIM). , 2006, , .		6
33	Middleware-Layer Quality-Aware Collaborative Re-casting of Live Multimedia in Multi-hop Spontaneous Networks. Journal of Network and Systems Management, 2015, 23, 620-649.	3.3	6
34	Servitization in the Era of Blockchain: the Ice Cream Supply Chain Business Case. , 2020, , .		6
35	SDN-Based Regulated Flow Routing in MANETs. , 2020, , .		6
36	SDN-Based Traffic Management Middleware for Spontaneous WMNs. Journal of Network and Systems Management, 2020, 28, 1575-1609.	3.3	6

#	Article	IF	Citations
37	A layered infrastructure for mobility-aware best connectivity in the heterogeneous wireless internet. , 2008, , .		6
38	Digital twin oriented architecture for secure and QoS aware intelligent communications in industrial environments. Pervasive and Mobile Computing, 2022, 85, 101646.	2.1	6
39	QoS-Enabled Semantic Routing for Industry 4.0 based on SDN and MOM Integration. , 2021, , .		5
40	Smart communications via a tree-based overlay over multiple and heterogeneous (TOMH) spontaneous networks. , 2013, , .		4
41	Multiâ€stage resource allocation in hybrid 25Gâ€EPON and LTEâ€Advanced Pro FiWi networks for 5G systems. IET Networks, 2018, 7, 173-180.	1.1	4
42	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
43	Mobility-Aware Connectivity for Seamless Multimedia Delivery in the Heterogeneous Wireless Internet. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	3
44	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
45	Multi-hop Multi-path Cooperative Connectivity Guided by Mobility, Throughput, and Energy Awareness: a Middleware Approach. Journal of Software, 2009, 4, .	0.6	3
46	A practical approach to easily monitoring and managing IaaS environments. , 2013, , .		2
47	Supporting the Development of Next-generation Fog Services. , 2018, , .		2
48	The Advent of the Internet of Things in Airfield Lightning Systems: Paving the Way from a Legacy Environment to an Open World. Sensors, 2019, 19, 4724.	2.1	2
49	Blockchain for Increased Cyber-Resiliency of Industrial Edge Environments. , 2020, , .		2
50	Context-Aware Middleware for Reliable Multi-hop Multi-path Connectivity. Lecture Notes in Computer Science, 2008, , 66-78.	1.0	2
51	The Smart-M3 Semantic Information Broker (SIB) Plug-In Extension: Implementation and Evaluation Experiences. , 2012, , .		1
52	Social-Aware Differentiated Visibility of Home-to-Home Shared Resources in Spontaneous Networks. , 2013, , .		1
53	Social sharing of connectivity resources: control and encouragement of unselfishness in mobile environments. , 2009, , .		1
54	Cyber Physical Sensors and Actuators for Privacy- and Cost-Aware Optimization of User-Generated Content Provisioning. International Journal of Distributed Sensor Networks, 2015, 2015, 1-10.	1.3	1

#	Article	IF	Citations
55	SDN-based Differentiated Traffic Flow Management for Industrial Internet of Things Environments. , 2021, , .		1
56	LIFE.net over Web: An advanced monitoring protocol for UPS systems. , 2007, , .		0
57	Multi Layer Routing in SDN-enabled Fog Environments. , 2020, , .		0
58	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
59	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