Luca Davoli

List of Publications by Year
in descending order

38	938	687363 13	610901 24
papers	citations	h-index	g-index

39	39	39	1070
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	THORIN: an Efficient Module for Federated Access and Threat Mitigation in Big Stream Cloud Architectures. IEEE Cloud Computing, 2024, , 1-1.	3.9	2
2	Enhancing Security in a Big Stream Cloud Architecture for the Internet of Things Through Blockchain. , 2021, , 1231-1252.		0
3	Ultrasonic-Based Environmental Perception for Mobile 5G-Oriented XR Applications. Sensors, 2021, 21, 1329.	3.8	8
4	Hybrid LoRa-IEEE 802.11s Opportunistic Mesh Networking for Flexible UAV Swarming. Drones, 2021, 5, 26.	4.9	21
5	Forecasting Air Temperature on Edge Devices with Embedded AI. Sensors, 2021, 21, 3973.	3.8	15
6	Non-invasive psycho-physiological driver monitoring through IoT-oriented systems. , 2021, , 19-33.		0
7	IoT-Enabled Smart Sustainable Cities: Challenges and Approaches. Smart Cities, 2020, 3, 1039-1071.	9.4	99
8	On Driver Behavior Recognition for Increased Safety: A Roadmap. Safety, 2020, 6, 55.	1.7	20
9	AI at the Edge: a Smart Gateway for Greenhouse Air Temperature Forecasting. , 2020, , .		13
10	LoRaFarM: A LoRaWAN-Based Smart Farming Modular IoT Architecture. Sensors, 2020, 20, 2028.	3.8	102
11	A Modular Multi-interface Gateway for Heterogeneous IoT Networking. , 2020, , .		3
12	A Wave-Based Request-Response Protocol for Latency Minimization in WSNs. IEEE Internet of Things Journal, 2019, 6, 7971-7979.	8.7	7
13	NEMO: A flexible and highly scalable network EMulatOr. SoftwareX, 2019, 10, 100248.	2.6	6
14	Toward Industry 4.0 With IoT: Optimizing Business Processes in an Evolving Manufacturing Factory. Frontiers in ICT, 2019, 6, .	3.6	42
15	Wireless Mesh Networking: An IoT-Oriented Perspective Survey on Relevant Technologies. Future Internet, 2019, 11, 99.	3.8	79
16	DiRPL: A RPL-Based Resource and Service Discovery Algorithm for 6LoWPANs. Applied Sciences (Switzerland), 2019, 9, 33.	2.5	7
17	Virtualizing LoRaWAN Nodes: a CoAP-based Approach. , 2019, , .		4
18	VegIoT Garden: a modular IoT Management Platform for Urban Vegetable Gardens. , 2019, , .		21

#	Article	IF	Citations
19	RSSI-based Methods for LOS/NLOS Channel Identification in Indoor Scenarios. , 2019, , .		15
20	Internet of Things on Power Line Communications: An Experimental Performance Analysis. Engergy Systems in Electrical Engineering, 2019, , 465-498.	0.7	7
21	Design and experimental performance analysis of a B.A.T.M.A.N.-based double Wi-Fi interface mesh network. Future Generation Computer Systems, 2019, 92, 593-603.	7.5	8
22	Enhancing Security in a Big Stream Cloud Architecture for the Internet of Things Through Blockchain. Advances in Computer and Electrical Engineering Book Series, 2019, , 104-133.	0.3	2
23	Internet of Things e Industria 4.0. Un case study di successo di digital manufacturing. Management Control, 2019, , 11-34.	0.7	3
24	Applying Security to a Big Stream Cloud Architecture for the Internet of Things. , 2019, , 1260-1284.		1
25	From Micro to Macro IoT: Challenges and Solutions in the Integration of IEEE 802.15.4/802.11 and Sub-GHz Technologies. IEEE Internet of Things Journal, 2018, 5, 784-793.	8.7	71
26	THORIN: an Efficient Module for Federated Access and Threat Mitigation in Big Stream Cloud Architectures. IEEE Cloud Computing, 2018, 5, 38-48.	3.9	2
27	NEMO: A Flexible Java-based Network Emulator. , 2018, , .		3
28	An anonymization protocol for the Internet of Things. , 2017, , .		13
29	Integration of Wi-Fi mobile nodes in a Web of Things Testbed. ICT Express, 2016, 2, 96-99.	4.8	14
30	PMSR â€" Poor Man's Segment Routing, a minimalistic approach to Segment Routing and a Traffic Engineering use case. , 2016, , .		10
31	Applying Security to a Big Stream Cloud Architecture for the Internet of Things. International Journal of Distributed Systems and Technologies, 2016, 7, 37-58.	0.7	17
32	An Open-Source Cloud Architecture for Big Stream IoT Applications. Lecture Notes in Computer Science, 2015, , 73-88.	1.3	18
33	Design and Deployment of an IoT Application-Oriented Testbed. Computer, 2015, 48, 32-40.	1.1	47
34	Traffic Engineering with Segment Routing: SDN-Based Architectural Design and Open Source Implementation. , 2015, , .		46
35	A Scalable Big Stream Cloud Architecture for the Internet of Things. International Journal of Systems and Service-Oriented Engineering, 2015, 5, 26-53.	0.6	16
36	Performance evaluation of a SIP-based constrained peer-to-peer overlay. , 2014, , .		11

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37	A Scalable and Self-Configuring Architecture for Service Discovery in the Internet of Things. IEEE Internet of Things Journal, 2014, 1, 508-521.	8.7	179
38	A Scalable Big Stream Cloud Architecture for the Internet of Things. , 0, , 25-53.		3