Moussa S Ayyash

List of Publications by Year
in descending order

42	6,816	687363	713466
papers	citations	13	21
		h-index	g-index

42	42	42	7859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Internet of Things: A Survey on Enabling Technologies, Protocols, and Applications. IEEE Communications Surveys and Tutorials, 2015, 17, 2347-2376.	39.4	5,614
2	Coexistence of WiFi and LiFi toward 5G: concepts, opportunities, and challenges. IEEE Communications Magazine, 2016, 54, 64-71.	6.1	375
3	Design and Analysis of a Visible-Light-Communication Enhanced WiFi System. Journal of Optical Communications and Networking, 2015, 7, 960.	4.8	111
4	A Provably Efficient Online Collaborative Caching Algorithm for Multicell-Coordinated Systems. IEEE Transactions on Mobile Computing, 2016, 15, 1863-1876.	5.8	103
5	Spectrum Assignment in Cognitive Radio Networks for Internet-of-Things Delay-Sensitive Applications Under Jamming Attacks. IEEE Internet of Things Journal, 2018, 5, 1904-1913.	8.7	92
6	Edge-Computing Architectures for Internet of Things Applications: A Survey. Sensors, 2020, 20, 6441.	3.8	83
7	An Indoor Hybrid WiFi-VLC Internet Access System. , 2014, , .		76
8	A Hybrid RF-VLC System for Energy Efficient Wireless Access. IEEE Transactions on Green Communications and Networking, 2018, 2, 932-944.	5.5	53
9	Visible Light Communication Module: An Open Source Extension to the ns3 Network Simulator With Real System Validation. IEEE Access, 2017, 5, 22144-22158.	4.2	35
10	A framework for efficient and secured mobility of IoT devices in mobile edge computing. , 2018, , .		32
11	A survey on DoS/DDoS mitigation techniques in SDNs: Classification, comparison, solutions, testing tools and datasets. Computers and Electrical Engineering, 2022, 99, 107706.	4.8	28
12	SDN Security Review: Threat Taxonomy, Implications, and Open Challenges. IEEE Access, 2022, 10, 45820-45854.	4.2	27
13	Optimizing Handover Parameters by Q-Learning for Heterogeneous Radio-Optical Networks. IEEE Photonics Journal, 2020, 12, 1-15.	2.0	19
14	Security-aware channel assignment in IoT-based cognitive radio networks for time-critical applications. , 2017, , .		17
15	Design and Implementation of a Hybrid RF-VLC System with Bandwidth Aggregation. , 2018, , .		16
16	Extending ns3 to simulate visible light communication at network-level. , 2016, , .		15
17	A distributed multi-layer MEC-cloud architecture for processing large scale IoT-based multimedia applications. Multimedia Tools and Applications, 2019, 78, 24617-24638.	3.9	15
18	A Novel Trust-Aware and Energy-Aware Clustering Method That Uses Stochastic Fractal Search in IoT-Enabled Wireless Sensor Networks. IEEE Systems Journal, 2022, 16, 2693-2704.	4.6	15

#	Article	IF	Citations
19	Unknown Security Attack Detection Using Shallow and Deep ANN Classifiers. Electronics (Switzerland), 2020, 9, 2006.	3.1	13
20	Anomaly detection in blockchain using network representation and machine learning. Security and Privacy, 2022, 5, e192.	2.7	13
21	Welcome to the CROWD: Design Decisions for Coexisting Radio and Optical Wireless Deployments. IEEE Network, 2019, 33, 174-182.	6.9	12
22	RQoSR: a Robust Quality of Service Routing Algorithm for Wireless Mobile Ad Hoc Networks. , 2006, , .		6
23	A Novel Quality of Service Assessment of Multimedia Traffic over Wireless Ad Hoc Networks. , 2008, , .		6
24	Preemptive quality of service infrastructure for wireless mobile ad hoc networks. , 2006, , .		5
25	Software Adaptation: A Conscious Design for Oblivious Programmers. , 2007, , .		4
26	Introduction to Mobile Ad-Hoc and Vehicular Networks. , 2015, , 33-46.		3
27	Batchâ€based securityâ€aware spectrum sharing with simultaneous assignment decisions in timeâ€critical IoT networks with cognitive radio capabilities. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3317.	3.9	3
28	Securing delay-sensitive cognitive radio IoT communications under reactive jamming attacks: Spectrum assignment perspective. , 2018, , .		3
29	Machine learning-based security-aware spatial modulation for heterogeneous radio-optical networks. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	2.1	3
30	Securing IoT Delay-Sensitive Communications with Opportunistic Parallel Transmission Capability. , 2019, , .		3
31	Jamming-Aware Simultaneous Multi-Channel Decisions for Opportunistic Access in Delay-Critical IoT-Based Sensor Networks. IEEE Sensors Journal, 2022, 22, 2889-2898.	4.7	3
32	Maintaining a quality of service routing tree for mobile ad hoc networks. , 2006, , .		2
33	Security Aware Spatial Modulation (SA-SM). , 2018, , .		2
34	Extending NS3 to Simulate Cognitive Radio Wireless Networks in a Jammed Environment. , 2019, , .		2
35	Poster Abstract: Optimizing Handover Parameters by Q-learning for Heterogeneous RF-VLC Networks. , 2019, , .		2
36	Evaluating the feasibility of random waypoint model for indoor wireless networks. Internet Technology Letters, 2021, 4, e214.	1.9	2

#	Article	IF	Citations
37	A Framework for a Minkowski Distance Based Multi Metric Quality of Service Monitoring Infrastructure for Mobile Ad Hoc Networks. International Journal on Electrical Engineering and Informatics, 2012, 4, 289-305.	0.5	2
38	An Entity Stability Measure for Mobile Ad Hoc Networks. , 2006, , .		1
39	QoSRT: a Quality of Service Routing Tree for Wireless Ad Hoc Networks. , 2006, , .		0
40	Technology Independent Security Aware OFDM (SA-OFDM). , 2019, , .		0
41	Testbed Validation of Security-Aware Channel Assignment in Cognitive Radio IoT Networks. , 2020, , .		0
42	Self-Optimizing Data Offloading in Mobile Heterogeneous Radio-Optical Networks: A Deep Reinforcement Learning Approach. IEEE Network, 2022, 36, 100-106.	6.9	0