

Moussa S Ayyash

List of Publications by Year in descending order

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42
papers

6,816
citations

687363

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h-index

713466

21
g-index

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docs citations

42
times ranked

7859
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Anomaly detection in blockchain using network representation and machine learning. Security and Privacy, 2022, 5, e192.	2.7	13
3	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
4	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
5	SDN Security Review: Threat Taxonomy, Implications, and Open Challenges. IEEE Access, 2022, 10, 45820-45854.	4.2	27
6	Self-Optimizing Data Offloading in Mobile Heterogeneous Radio-Optical Networks: A Deep Reinforcement Learning Approach. IEEE Network, 2022, 36, 100-106.	6.9	0
7	Evaluating the feasibility of random waypoint model for indoor wireless networks. Internet Technology Letters, 2021, 4, e214.	1.9	2
8	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
9	Optimizing Handover Parameters by Q-Learning for Heterogeneous Radio-Optical Networks. IEEE Photonics Journal, 2020, 12, 1-15.	2.0	19
10	Unknown Security Attack Detection Using Shallow and Deep ANN Classifiers. Electronics (Switzerland), 2020, 9, 2006.	3.1	13
11	Edge-Computing Architectures for Internet of Things Applications: A Survey. Sensors, 2020, 20, 6441.	3.8	83
12	Testbed Validation of Security-Aware Channel Assignment in Cognitive Radio IoT Networks. , 2020, , .		0
13	Welcome to the CROWD: Design Decisions for Coexisting Radio and Optical Wireless Deployments. IEEE Network, 2019, 33, 174-182.	6.9	12
14	Extending NS3 to Simulate Cognitive Radio Wireless Networks in a Jammed Environment. , 2019, , .		2
15	Poster Abstract: Optimizing Handover Parameters by Q-learning for Heterogeneous RF-VLC Networks. , 2019, , .		2
16	Technology Independent Security Aware OFDM (SA-OFDM). , 2019, , .		0
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	Securing IoT Delay-Sensitive Communications with Opportunistic Parallel Transmission Capability. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	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
20	Security Aware Spatial Modulation (SA-SM). , 2018, , .		2
21	Design and Implementation of a Hybrid RF-VLC System with Bandwidth Aggregation. , 2018, , .		16
22	Batch-based security-aware spectrum sharing with simultaneous assignment decisions in time-critical IoT networks with cognitive radio capabilities. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3317.	3.9	3
23	A Hybrid RF-VLC System for Energy Efficient Wireless Access. IEEE Transactions on Green Communications and Networking, 2018, 2, 932-944.	5.5	53
24	A framework for efficient and secured mobility of IoT devices in mobile edge computing. , 2018, , .		32
25	Securing delay-sensitive cognitive radio IoT communications under reactive jamming attacks: Spectrum assignment perspective. , 2018, , .		3
26	Security-aware channel assignment in IoT-based cognitive radio networks for time-critical applications. , 2017, , .		17
27	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
28	Extending ns3 to simulate visible light communication at network-level. , 2016, , .		15
29	A Provably Efficient Online Collaborative Caching Algorithm for Multicell-Coordinated Systems. IEEE Transactions on Mobile Computing, 2016, 15, 1863-1876.	5.8	103
30	Coexistence of WiFi and LiFi toward 5G: concepts, opportunities, and challenges. IEEE Communications Magazine, 2016, 54, 64-71.	6.1	375
31	Internet of Things: A Survey on Enabling Technologies, Protocols, and Applications. IEEE Communications Surveys and Tutorials, 2015, 17, 2347-2376.	39.4	5,614
32	Introduction to Mobile Ad-Hoc and Vehicular Networks. , 2015, , 33-46.		3
33	Design and Analysis of a Visible-Light-Communication Enhanced WiFi System. Journal of Optical Communications and Networking, 2015, 7, 960.	4.8	111
34	An Indoor Hybrid WiFi-VLC Internet Access System. , 2014, , .		76
35	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
36	A Novel Quality of Service Assessment of Multimedia Traffic over Wireless Ad Hoc Networks. , 2008, , .		6

#	ARTICLE	IF	CITATIONS
37	Software Adaptation: A Conscious Design for Oblivious Programmers. , 2007, , .		4
38	RQoS: a Robust Quality of Service Routing Algorithm for Wireless Mobile Ad Hoc Networks. , 2006, , .		6
39	Preemptive quality of service infrastructure for wireless mobile ad hoc networks. , 2006, , .		5
40	Maintaining a quality of service routing tree for mobile ad hoc networks. , 2006, , .		2
41	QoSRT: a Quality of Service Routing Tree for Wireless Ad Hoc Networks. , 2006, , .		0
42	An Entity Stability Measure for Mobile Ad Hoc Networks. , 2006, , .		1