Marwa Qaraqe

List of Publications by Year
in descending order

76 papers	784 citations	758635 12 h-index	642321 23 g-index
80 all docs	80 docs citations	80 times ranked	905 citing authors

#	Article	IF	Citations
1	Quality of Service Optimization in an IoT-Driven Intelligent Transportation System. IEEE Wireless Communications, 2019, 26, 10-17.	6.6	117
2	Power Control Algorithms for Media Transmission in Remote Healthcare Systems. IEEE Access, 2018, 6, 42384-42393.	2.6	52
3	Predicting long-term type 2 diabetes with support vector machine using oral glucose tolerance test. PLoS ONE, 2019, 14, e0219636.	1.1	43
4	Epileptic seizure onset detection based on EEG and ECG data fusion. Epilepsy and Behavior, 2016, 58, 48-60.	0.9	37
5	Security in Wireless Body Area Networks: From In-Body to Off-Body Communications. IEEE Access, 2018, 6, 58064-58074.	2.6	34
6	Federated Learning Over Energy Harvesting Wireless Networks. IEEE Internet of Things Journal, 2022, 9, 92-103.	5.5	34
7	Band-sensitive seizure onset detection via CSP-enhanced EEG features. Epilepsy and Behavior, 2015, 50, 77-87.	0.9	32
8	Applications of Artificial Intelligence and Machine Learning in the Area of SDN and NFV: A Survey. , 2019, , .		27
9	Machine Learning Approaches to Automatic Stress Detection: A Review. , 2018, , .		26
10	LoRa-RL: Deep Reinforcement Learning for Resource Management in Hybrid Energy LoRa Wireless Networks. IEEE Internet of Things Journal, 2022, 9, 6458-6476.	5.5	23
11	Osmotic computing-based service migration and resource scheduling in Mobile Augmented Reality Networks (MARN). Future Generation Computer Systems, 2020, 102, 723-737.	4.9	20
12	Downlink capacity of OFDMA-CR based 5G femtocell networks. Physical Communication, 2018, 29, 329-335.	1.2	19
13	Advanced Techniques for Predicting the Future Progression of Type 2 Diabetes. IEEE Access, 2020, 8, 120537-120547.	2.6	18
14	CoMP-Assisted NOMA and Cooperative NOMA in Indoor VLC Cellular Systems. IEEE Transactions on Communications, 2022, 70, 6020-6034.	4.9	18
15	Physical layer security for wireless implantable medical devices. , 2015, , .		17
16	Dynamic Spreading Factor Assignment in LoRa Wireless Networks. , 2020, , .		15
17	Face-Based Attention Recognition Model for Children with Autism Spectrum Disorder. Journal of Healthcare Informatics Research, 2021, 5, 420-445.	5.3	14
18	Experimental Evaluation of MIMO Capacity for Ultrawideband Body-Centric Wireless Propagation Channels. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 495-498.	2.4	12

#	Article	IF	Citations
19	Blueprint to Workplace Stress Detection Approaches. , 2018, , .		12
20	A Business and Legislative Perspective of V2X and Mobility Applications in 5G Networks. IEEE Access, 2020, 8, 67426-67435.	2.6	12
21	A Review of Artificial Intelligence Applications in Hematology Management: Current Practices and Future Prospects. Journal of Medical Internet Research, 2022, 24, e36490.	2.1	11
22	Impact of mainstream classroom setting on attention of children with autism spectrum disorder: an eye-tracking study. Universal Access in the Information Society, 2021, 20, 785-795.	2.1	10
23	Long Term HbA1c Prediction Using Multi-Stage CGM Data Analysis. IEEE Sensors Journal, 2021, 21, 15237-15247.	2.4	9
24	Experimental Characterization of In Vivo Wireless Communication Channels. , 2015, , .		8
25	A Secure Downlink NOMA Scheme Against Unknown Internal Eavesdroppers. IEEE Wireless Communications Letters, 2021, 10, 1281-1285.	3.2	8
26	The Effects of Visual Stimuli on Attention in Children With Autism Spectrum Disorder: An Eye-Tracking Study. IEEE Access, 2020, 8, 225663-225674.	2.6	8
27	An Overview of NCA-Based Algorithms for Transcriptional Regulatory Network Inference. Microarrays (Basel, Switzerland), 2015, 4, 596-617.	1.4	7
28	An Energy Consumption Model for WiFi Direct Based D2D Communications. , 2018, , .		7
29	Trust-Based DoS Mitigation Technique for Medical Implants in Wireless Body Area Networks. , 2019, , .		7
30	Stress Classification Using Photoplethysmogram-Based Spatial and Frequency Domain Images. Sensors, 2020, 20, 5312.	2.1	7
31	KaFHCa: Key-establishment via Frequency Hopping Collisions. , 2021, , .		7
32	Resource Management in Energy Harvesting Powered LoRa Wireless Networks. , 2021, , .		7
33	Attention Assessment: Evaluation of Facial Expressions of Children with Autism Spectrum Disorder. Lecture Notes in Computer Science, 2019, , 32-48.	1.0	6
34	Automatic food recognition system for middle€eastern cuisines. IET Image Processing, 2020, 14, 2469-2479.	1.4	6
35	An Evolutionary Bootstrapping Development Approach for a Mental Health Conversational Agent. Studies in Health Technology and Informatics, 2019, 262, 228-231.	0.2	6
36	Phase-Assisted Dynamic Tag-Embedding Message Authentication for IoT Networks. IEEE Internet of Things Journal, 2022, 9, 20620-20629.	5.5	6

#	Article	IF	Citations
37	A systematic review: Attention assessment of virtual reality based intervention for learning in children with autism spectrum disorder. , 2017, , .		5
38	Cognitive-femtocell based resource allocation in macrocell network. , 2017, , .		5
39	Developing a Digital Mental Health Platform for the Arab World: From Research to Action. Studies in Health Technology and Informatics, 2019, 262, 392-395.	0.2	5
40	Anomaly Detection in Smart Grids: A Survey From Cybersecurity Perspective*. , 2022, , .		5
41	Automatic and Intelligent Stressor Identification Based on Photoplethysmography Analysis. IEEE Access, 2021, 9, 68498-68510.	2.6	4
42	Reality-Based Technologies for Children with Autism Spectrum Disorder: A Recommendation for Food Intake Intervention. Advances in Neurobiology, 2020, 24, 679-693.	1.3	4
43	Ultra wideband in vivo radio channel characterisation and system modeling. , 2014, , .		3
44	Numerical characterisation and modeling of in-vivo radio communication. , 2014, , .		3
45	A machine learning algorithm for the automatic detection of ictal activity using energy and synchronization features. , 2017, , .		3
46	A Food Recognition and Tracking System for Diabetics in the Middle East. , 2019, , .		3
47	Energy Cooperation in Renewable- Powered Cell-Free Massive MIMO Systems. , 2019, , .		3
48	Power Allocation and Cooperation in Cell-Free Massive MIMO Systems with Energy Exchange Capabilities. , 2020, , .		3
49	Mitigating distributed denial of service attacks in satellite networks. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3936.	2.6	3
50	Validation of Emotions as a Measure of Selective Attention in Children with Autism Spectrum Disorder. , 2020, , .		3
51	A Channel State Information-Based Key Generation Scheme for Internet of Things. Security and Communication Networks, 2022, 2022, 1-15.	1.0	3
52	On the Inherent Physical-Layer Security of Receive Spatial Modulation Systems. , 2020, , .		2
53	Performance analysis of chirp spread spectrum system under mobility scenario. Physical Communication, 2020, 43, 101233.	1.2	2
54	Energy Efficient Wireless Body Area Networks: Proximity-based Clustering in Medical Implants. , 2020, , .		2

#	Article	IF	Citations
55	Secure Key Distribution for IoT Networks Based on Physical Layer Security. , 2021, , .		2
56	User Scheduling in Federated Learning over Energy Harvesting Wireless Networks. , 2021, , .		2
57	Performance Analysis of Tag Embedded Based Message Authentication Scheme. , 2021, , .		2
58	On Multiuser Switched Diversity Transmission for Spectrum Sharing Systems. , 2012, , .		1
59	Joint multiuser switched diversity and adaptive modulation schemes for spectrum sharing systems. , 2012, , .		1
60	Multi-hop cooperative relaying for energy efficient in vivo communications. , 2016, , .		1
61	Combined matching pursuit and Wigner-Ville Distribution analysis for the discrimination of ictal heart rate variability. , 2016, , .		1
62	Remote Cloud vs Local Mobile Cloud: A Quantitative Analysis. , 2018, , .		1
63	An Angular Soft Forwarding Scheme for Wireless Cooperative Relay Networks. , 2018, , .		1
64	Process Mining and User Privacy in D2D and IoT Networks. Informatik-Spektrum, 2019, 42, 340-342.	1.0	1
65	Optimizing Energy in WiFi Direct Based Multi-hop D2D Networks. , 2020, , .		1
66	Data Confidentiality for IoT Networks: Cryptographic Gaps and Physical-Layer Opportunities. , 2021, , .		1
67	Reinforcement Learning for Hybrid Energy LoRa Wireless Networks. , 2021, , .		1
68	A variational perspective over an extremal entropy inequality. , 2013, , .		0
69	Experimental investigation of channel capacity and signal correlation in multi-element antennas for body-centric wireless networks. , 2014, , .		0
70	Second order statistics of ultra wideband on-body diversity channels. , 2014, , .		0
71	Optimal on-body relay placement for energy efficient in vivo communications. , 2015, , .		0
72	Performance analysis of switchâ€based multiuser scheduling schemes with adaptive modulation in spectrum sharing systems. Wireless Communications and Mobile Computing, 2015, 15, 2095-2110.	0.8	0

#	ARTICLE	IF	CITATIONS
73	Patient-specific seizure onset detection based on CSP-enhanced energy and neural synchronization decision fusion. , 2017, , .		0
74	A Novel Index Modulation Based Chirp Spreading Modulation Scheme for Wireless Communications Systems. , 2021, , .		0
75	Ontology-Based Approach for Stress Management Using Blood Volume Pulse Spatial Images. , 2021, , .		0
76	Dynamic LoRa Wireless Networks Powered by Hybrid Energy. , 2022, , .		0