Omar Aqeel Saraereh

List of Publications by Year
in descending order

66 papers	998 citations	566801 15 h-index	454577 30 g-index
66 all docs	66 docs citations	66 times ranked	973 citing authors

#	Article	IF	Citations
1	Mutual Coupling Reduction Using F-Shaped Stubs in UWB-MIMO Antenna. IEEE Access, 2018, 6, 2755-2759.	2.6	236
2	Metamaterial-Based Highly Isolated MIMO Antenna for Portable Wireless Applications. Electronics (Switzerland), 2018, 7, 267.	1.8	75
3	A Hybrid Energy Harvesting Design for On-Body Internet-of-Things (IoT) Networks. Sensors, 2020, 20, 407.	2.1	61
4	An Efficient Resource Allocation Algorithm for D2D Communications Based on NOMA. IEEE Access, 2019, 7, 120238-120247.	2.6	56
5	A Compact Substrate Integrated Waveguide Cavity-Backed Self-Triplexing Antenna. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2362-2366.	2.2	52
6	Performance Evaluation of UAV-Enabled LoRa Networks for Disaster Management Applications. Sensors, 2020, 20, 2396.	2.1	48
7	Low-Profile Frequency Reconfigurable Antenna for Heterogeneous Wireless Systems. Electronics (Switzerland), 2019, 8, 976.	1.8	36
8	Cylindrical Dielectric Resonator Antenna-Based Sensors for Liquid Chemical Detection. Sensors, 2019, 19, 1200.	2.1	35
9	Solar PV Grid Power Flow Analysis. Sustainability, 2019, 11, 1744.	1.6	30
10	An Efficient Precoding Scheme for Millimeter-Wave Massive MIMO Systems. Electronics (Switzerland), 2019, 8, 927.	1.8	24
11	An Efficient Resource Allocation Algorithm for OFDM-Based NOMA in 5G Systems. Electronics (Switzerland), 2019, 8, 1399.	1.8	22
12	A COMPACT FREQUENCY RECONFIGURABLE MONOPOLE ANTENNA FOR WI-FI/WLAN APPLICATIONS. Progress in Electromagnetics Research Letters, 2017, 68, 79-84.	0.4	19
13	Low-Complexity Channel Estimation in 5G Massive MIMO-OFDM Systems. Symmetry, 2019, 11, 713.	1.1	18
14	MAPLE LEAF SHAPED UWB MONOPOLE ANTENNA WITH DUAL BAND NOTCH FUNCTIONALITY. Progress in Electromagnetics Research C, 2017, 71, 169-175.	0.6	17
15	Interference Analysis for Vehicle-to-Vehicle Communications at 28 GHz. Electronics (Switzerland), 2020, 9, 262.	1.8	16
16	MIMO antenna system of a compact 4-element PILA for 4G handset applications. , 2016, , .		15
17	An Efficient Neighbor Discovery Scheme for Mobile WSN. IEEE Access, 2019, 7, 4843-4855.	2.6	15
18	Efficient Power Control Framework for Small-Cell Heterogeneous Networks. Sensors, 2020, 20, 1467.	2.1	15

#	Article	IF	Citations
19	DESIGN OF MULTIPLE BAND, MEANDERED STRIPS CONNECTED PATCH ANTENNA. Progress in Electromagnetics Research Letters, 2018, 79, 51-57.	0.4	14
20	AN ARRAY OF M-SHAPED VIVALDI ANTENNAS FOR UWB APPLICATIONS. Progress in Electromagnetics Research Letters, 2017, 68, 67-72.	0.4	12
21	Modeling and Analysis of Wearable Antennas. Electronics (Switzerland), 2019, 8, 7.	1.8	11
22	Human Activity and Motion Pattern Recognition within Indoor Environment Using Convolutional Neural Networks Clustering and Naive Bayes Classification Algorithms. Sensors, 2022, 22, 1016.	2.1	11
23	Low correlation multiple antenna system for mobile phone applications using novel decoupling slots in ground plane. , 2013, , .		10
24	LS-Solar-PV System Impact on Line Protection. Electronics (Switzerland), 2019, 8, 226.	1.8	10
25	Design and analysis of flexible cylindrical dielectric resonator antenna for body centric WiMAX and WLAN applications. , 2016, , .		9
26	Design and Analysis of a Novel Antenna for THz Wireless Communication. Intelligent Automation and Soft Computing, 2022, 31, 607-619.	1.6	9
27	A Novel Broadband Antenna Design for 5G Applications. Computers, Materials and Continua, 2021, 67, 1121-1136.	1.5	9
28	Concentrated Solar Power Site Suitability using GIS-MCDM Technique taken UAE as a Case Study. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.5	9
29	An Efficient Resource Allocation Algorithm for Device-To-Device Communications. Applied Sciences (Switzerland), 2019, 9, 3816.	1.3	8
30	Bio-Inspired Algorithms Applied on Microstrip Patch Antennas: a Review. International Journal on Communications Antenna and Propagation, 2016, 6, 336.	0.2	8
31	Beamforming Performance Analysis of Millimeter-Wave 5G Wireless Networks. Computers, Materials and Continua, 2022, 70, 5383-5397.	1.5	8
32	A Robust Decentralized Power Flow Optimization for Dynamic PV System. IEEE Access, 2019, 7, 63789-63800.	2.6	7
33	Microstrip Wearable Dual-Band Antenna Design for ON Body Wireless Communications. , 2019, , .		7
34	Power Conversion Using Analytical Model of Cockcroftâ€"Walton Voltage Multiplier Rectenna. Electronics (Switzerland), 2021, 10, 881.	1.8	7
35	Efficient Pilot Decontamination Schemes in 5G Massive MIMO Systems. Electronics (Switzerland), 2019, 8, 55.	1.8	5
36	Evolution of optical networks: from legacy networks to next-generation networks. Journal of Optical Communications, 2024, 44, s955-s970.	4.0	5

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37	L and S shape PIFA antenna for triple-band (DCS/PCS/UMTS) mobile handset. , 2004, , .		4
38	Design of compact and miniaturize asymmetric SIR-DRA filter-antenna subsystem. Journal of Electromagnetic Waves and Applications, 2016, 30, 2174-2184.	1.0	4
39	Local optimization of a Sierpinski carpet fractal antenna. , 2017, , .		4
40	An Optimized Data Fusion Paradigm for WSN Based on Neural Networks. Computers, Materials and Continua, 2021, 69, 1097-1108.	1.5	4
41	A robust approach for barrier-reinforcing in wireless sensor networks. Journal of Parallel and Distributed Computing, 2021, 149, 186-192.	2.7	4
42	An Efficient Algorithm for Power Flow Optimization in PV Inverters Systems. Electric Power Components and Systems, 2020, 48, 1362-1377.	1.0	4
43	Improving a New Logistic Map as a New Chaotic Algorithm for Image Encryption. Modern Applied Science, 2013, 7, .	0.4	3
44	A MIMO antenna system with high isolation for smart phone applications. , 2015, , .		3
45	A MULTIBAND AND OMNIDIRECTIONAL, CPW-FED SINGLE-LAYER BASED DUAL TAPERED-SLOT ANTENNA. Progress in Electromagnetics Research C, 2016, 70, 183-191.	0.6	3
46	Joint carrier frequency offset and channel estimation for OFDM systems with two receive antennas. International Journal of Communication Systems, 2017, 30, e2937.	1.6	3
47	Bandwidth optimization of an ultra-wide band microstrip antenna. , 2017, , .		2
48	An Efficient Channel Estimation Scheme for mmWave Massive MIMO Systems. , 2019, , .		2
49	A Semi-Automated User-Centric Decision System for Green Communications Incorporating the Particle Swarm Optimization Algorithm. , 2019, , .		2
50	An Improved Dictionary Cracking Scheme Based on Multiple GPUs for Wi-Fi Network. Computers, Materials and Continua, 2021, 66, 2957-2972.	1.5	2
51	Study on the appropriate dimensions and position of slots and notches in the ground plane of planar monopole handset antenna for bandwidth enhancement. , 2013, , .		1
52	Uncovering Age Progression in Wireless Signal Propagation Modeling Using Decisions of Machine Learning Classifiers : (Poster). , 2019, , .		1
53	An Efficient Method for Offset Mitigation in Free-Space Optical Systems. IEEE Photonics Journal, 2019, 11, 1-12.	1.0	1
54	Design and analysis of m–segment fractal boundary antennas. Microwave and Optical Technology Letters, 2019, 61, 2119-2125.	0.9	1

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55	High Directivity Broadband Hexagonal Fractal Ring Antenna with Modified Ground. ECTI Transactions on Electrical Engineering, Electronics, and Communications, 2020, 18, 1-8.	0.6	1
56	Confidence Intervals Verification for Simulated Error Rate Performance of Wireless Communication System. Wireless Personal Communications, 2013, 71, 2463-2474.	1.8	0
57	Spatial Load Forecast and estimation of the peak electricity demand location for Tafila region. , 2016, , .		0
58	Antennas with Nature-inspired Geometries for Bluetooth Applications. , 2018, , .		0
59	Computer simulated assessment of radio frequency electromagnetic waves for the detection of obstructive sleep apnea. Informatics in Medicine Unlocked, 2019, 16, 100220.	1.9	0
60	Simulated topology of doubly powered asynchronous motor with diode clamped inverter. International Journal of Power Electronics, 2019, 10, 173.	0.1	0
61	Piezoelectric Driven Antenna System for Health Monitoring Gadgets. International Journal of Engineering and Technology, 2016, 8, 2206-2220.	0.1	0
62	Analytical and Comparative Study of Different Types of Two-Leg Chopping Up Regulator. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	0
63	Design of MIMO Antenna Array for 5G Smart Phone Applications Operating in LTE bands. , 2019, , .		0
64	Ultra Wideband Wearable Antenna. , 2019, , .		0
65	Fractal-Shaped Koch-Ring Microstrip Patch. , 2021, , .		0
66	Machine Learning-based Optimal Framework for Internet of Things Networks. Computers, Materials and Continua, 2022, 71, 5355-5380.	1.5	0