

Omar Aqeel Saraereh

List of Publications by Year in descending order

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66
papers

998
citations

567144

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454834

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g-index

66
all docs

66
docs citations

66
times ranked

973
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of optical networks: from legacy networks to next-generation networks. Journal of Optical Communications, 2024, 44, s955-s970.	4.0	5
2	Design and Analysis of a Novel Antenna for THz Wireless Communication. Intelligent Automation and Soft Computing, 2022, 31, 607-619.	1.6	9
3	Beamforming Performance Analysis of Millimeter-Wave 5G Wireless Networks. Computers, Materials and Continua, 2022, 70, 5383-5397.	1.5	8
4	Machine Learning-based Optimal Framework for Internet of Things Networks. Computers, Materials and Continua, 2022, 71, 5355-5380.	1.5	0
5	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
6	An Optimized Data Fusion Paradigm for WSN Based on Neural Networks. Computers, Materials and Continua, 2021, 69, 1097-1108.	1.5	4
7	A robust approach for barrier-reinforcing in wireless sensor networks. Journal of Parallel and Distributed Computing, 2021, 149, 186-192.	2.7	4
8	Power Conversion Using Analytical Model of Cockcroft-Walton Voltage Multiplier Rectenna. Electronics (Switzerland), 2021, 10, 881.	1.8	7
9	An Improved Dictionary Cracking Scheme Based on Multiple GPUs for Wi-Fi Network. Computers, Materials and Continua, 2021, 66, 2957-2972.	1.5	2
10	A Novel Broadband Antenna Design for 5G Applications. Computers, Materials and Continua, 2021, 67, 1121-1136.	1.5	9
11	Fractal-Shaped Koch-Ring Microstrip Patch. , 2021, , .		0
12	Efficient Power Control Framework for Small-Cell Heterogeneous Networks. Sensors, 2020, 20, 1467.	2.1	15
13	Interference Analysis for Vehicle-to-Vehicle Communications at 28 GHz. Electronics (Switzerland), 2020, 9, 262.	1.8	16
14	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
15	A Hybrid Energy Harvesting Design for On-Body Internet-of-Things (IoT) Networks. Sensors, 2020, 20, 407.	2.1	61
16	Performance Evaluation of UAV-Enabled LoRa Networks for Disaster Management Applications. Sensors, 2020, 20, 2396.	2.1	48
17	An Efficient Algorithm for Power Flow Optimization in PV Inverters Systems. Electric Power Components and Systems, 2020, 48, 1362-1377.	1.0	4
18	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

#	ARTICLE	IF	CITATIONS
19	Uncovering Age Progression in Wireless Signal Propagation Modeling Using Decisions of Machine Learning Classifiers : (Poster). , 2019, , .		1
20	Low-Profile Frequency Reconfigurable Antenna for Heterogeneous Wireless Systems. Electronics (Switzerland), 2019, 8, 976.	1.8	36
21	An Efficient Precoding Scheme for Millimeter-Wave Massive MIMO Systems. Electronics (Switzerland), 2019, 8, 927.	1.8	24
22	An Efficient Channel Estimation Scheme for mmWave Massive MIMO Systems. , 2019, , .		2
23	An Efficient Method for Offset Mitigation in Free-Space Optical Systems. IEEE Photonics Journal, 2019, 11, 1-12.	1.0	1
24	A Robust Decentralized Power Flow Optimization for Dynamic PV System. IEEE Access, 2019, 7, 63789-63800.	2.6	7
25	An Efficient Resource Allocation Algorithm for D2D Communications Based on NOMA. IEEE Access, 2019, 7, 120238-120247.	2.6	56
26	Microstrip Wearable Dual-Band Antenna Design for ON Body Wireless Communications. , 2019, , .		7
27	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
28	An Efficient Resource Allocation Algorithm for Device-To-Device Communications. Applied Sciences (Switzerland), 2019, 9, 3816.	1.3	8
29	Efficient Pilot Decontamination Schemes in 5G Massive MIMO Systems. Electronics (Switzerland), 2019, 8, 55.	1.8	5
30	Low-Complexity Channel Estimation in 5G Massive MIMO-OFDM Systems. Symmetry, 2019, 11, 713.	1.1	18
31	Design and analysis of m -segment fractal boundary antennas. Microwave and Optical Technology Letters, 2019, 61, 2119-2125.	0.9	1
32	Solar PV Grid Power Flow Analysis. Sustainability, 2019, 11, 1744.	1.6	30
33	Cylindrical Dielectric Resonator Antenna-Based Sensors for Liquid Chemical Detection. Sensors, 2019, 19, 1200.	2.1	35
34	LS-Solar-PV System Impact on Line Protection. Electronics (Switzerland), 2019, 8, 226.	1.8	10
35	Simulated topology of doubly powered asynchronous motor with diode clamped inverter. International Journal of Power Electronics, 2019, 10, 173.	0.1	0
36	An Efficient Resource Allocation Algorithm for OFDM-Based NOMA in 5G Systems. Electronics (Switzerland), 2019, 8, 1399.	1.8	22

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37	A Semi-Automated User-Centric Decision System for Green Communications Incorporating the Particle Swarm Optimization Algorithm. , 2019, , .		2
38	An Efficient Neighbor Discovery Scheme for Mobile WSN. IEEE Access, 2019, 7, 4843-4855.	2.6	15
39	Modeling and Analysis of Wearable Antennas. Electronics (Switzerland), 2019, 8, 7.	1.8	11
40	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
41	Design of MIMO Antenna Array for 5G Smart Phone Applications Operating in LTE bands. , 2019, , .		0
42	Ultra Wideband Wearable Antenna. , 2019, , .		0
43	Mutual Coupling Reduction Using F-Shaped Stubs in UWB-MIMO Antenna. IEEE Access, 2018, 6, 2755-2759.	2.6	236
44	Antennas with Nature-inspired Geometries for Bluetooth Applications. , 2018, , .		0
45	DESIGN OF MULTIPLE BAND, MEANDERED STRIPS CONNECTED PATCH ANTENNA. Progress in Electromagnetics Research Letters, 2018, 79, 51-57.	0.4	14
46	Metamaterial-Based Highly Isolated MIMO Antenna for Portable Wireless Applications. Electronics (Switzerland), 2018, 7, 267.	1.8	75
47	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
48	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
49	Bandwidth optimization of an ultra-wide band microstrip antenna. , 2017, , .		2
50	Local optimization of a Sierpinski carpet fractal antenna. , 2017, , .		4
51	MAPLE LEAF SHAPED UWB MONOPOLE ANTENNA WITH DUAL BAND NOTCH FUNCTIONALITY. Progress in Electromagnetics Research C, 2017, 71, 169-175.	0.6	17
52	A COMPACT FREQUENCY RECONFIGURABLE MONOPOLE ANTENNA FOR WI-FI/WLAN APPLICATIONS. Progress in Electromagnetics Research Letters, 2017, 68, 79-84.	0.4	19
53	AN ARRAY OF M-SHAPED VIVALDI ANTENNAS FOR UWB APPLICATIONS. Progress in Electromagnetics Research Letters, 2017, 68, 67-72.	0.4	12
54	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

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55	Design of compact and miniaturize asymmetric SIR-DRA filter-antenna subsystem. Journal of Electromagnetic Waves and Applications, 2016, 30, 2174-2184.	1.0	4
56	MIMO antenna system of a compact 4-element PIFA for 4G handset applications. , 2016, , .		15
57	Design and analysis of flexible cylindrical dielectric resonator antenna for body centric WiMAX and WLAN applications. , 2016, , .		9
58	Spatial Load Forecast and estimation of the peak electricity demand location for Tafila region. , 2016, , .		0
59	Piezoelectric Driven Antenna System for Health Monitoring Gadgets. International Journal of Engineering and Technology, 2016, 8, 2206-2220.	0.1	0
60	Bio-Inspired Algorithms Applied on Microstrip Patch Antennas: a Review. International Journal on Communications Antenna and Propagation, 2016, 6, 336.	0.2	8
61	A MIMO antenna system with high isolation for smart phone applications. , 2015, , .		3
62	Confidence Intervals Verification for Simulated Error Rate Performance of Wireless Communication System. Wireless Personal Communications, 2013, 71, 2463-2474.	1.8	0
63	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
64	Low correlation multiple antenna system for mobile phone applications using novel decoupling slots in ground plane. , 2013, , .		10
65	Improving a New Logistic Map as a New Chaotic Algorithm for Image Encryption. Modern Applied Science, 2013, 7, .	0.4	3
66	L and S shape PIFA antenna for triple-band (DCS/PCS/UMTS) mobile handset. , 2004, , .		4