

Muath Al-Hasan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

367
citations

10
h-index

16
g-index

59
ext. papers

613
ext. citations

2.9
avg, IF

4.4
L-index

#	Paper	IF	Citations
47	Wideband Substrate Integrated Waveguide Antenna for Full-Duplex Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022 , 21, 212-216	3.8	7
46	Ultra-Wideband Hybrid Magneto-Electric Dielectric-Resonator Dipole Antenna Fed by a Printed RGW for Millimeter-Wave Applications. <i>IEEE Access</i> , 2022 , 10, 2028-2036	3.5	1
45	Machine learning enabled identification and real-time prediction of living plants stress using terahertz waves. <i>Defence Technology</i> , 2022 ,	3	3
44	Scalp-Implantable MIMO Antenna For High-Data-Rate Head Implants. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	11
43	Low-cost multi-criteria design optimization of compact microwave passives using constrained surrogates and dimensionality reduction. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2021 , 34, e2855	1	0
42	A Series Inclined Slot-Fed Circularly Polarized Antenna for 5G 28 GHz Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 351-355	3.8	14
41	Wideband Circular Polarized Dielectric Resonator Antenna Array for Millimeter-Wave Applications. <i>Sensors</i> , 2021 , 21,	3.8	5
40	Ultracompact Quarter-Mode Substrate Integrated Waveguide Self-Diplexing Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1269-1273	3.8	4
39	Biotelemetry and Wireless Powering of Biomedical Implants Using a Rectifier Integrated Self-Diplexing Implantable Antenna. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 3438-3451	4.1	14
38	Frequency-Based Regularization for Improved Reliability Optimization of Antenna Structures. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4246-4251	4.9	5
37	A Systematic Design of a Compact Wideband Hybrid Directional Coupler Based on Printed RGW Technology. <i>IEEE Access</i> , 2021 , 9, 56765-56772	3.5	2
36	Compact SIW-Based Self-Quadruplexing Antenna for Wearable Transceivers. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 118-122	3.8	13
35	A Compact Implantable MIMO Antenna For High Data Rate Biotelemetry Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	10
34	Accelerated parameter tuning of antenna structures using inverse and feature-based forward kriging surrogates. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2021 , 34, e2880	1	1
33	Low-profile dual-band implantable antenna for compact implantable biomedical devices. <i>AEU - International Journal of Electronics and Communications</i> , 2021 , 138, 153896	2.8	3
32	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 5607-5616	4.9	3
31	Learning time-frequency mask for noisy speech enhancement using gaussian-bernoulli pre-trained deep neural networks. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 849-864	1.6	1

30	Horn Antenna Misalignments at 100, 300, 400, and 500 GHz in Close Proximity Communications 2021 ,		2
29	Circular Polarization Diversity Implementation for Correlation Reduction in Wideband Low-Cost Multiple-Input-Multiple-Output Antenna. <i>IEEE Access</i> , 2020 , 8, 95585-95593	3.5	9
28	An Efficient Routing Scheme for Intrabody Nanonetworks Using Artificial Bee Colony Algorithm. <i>IEEE Access</i> , 2020 , 8, 98946-98957	3.5	8
27	A coplanar-waveguide-fed planar integrated cavity backed slotted antenna array using TE33 mode. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22344	1.5	13
26	Implementation of Spatial/Polarization Diversity for Improved-Performance Circularly Polarized Multiple-Input-Multiple-Output Ultra-Wideband Antenna. <i>IEEE Access</i> , 2020 , 8, 64112-64119	3.5	7
25	Feedforward Neural Network-Based Data Aggregation Scheme for Intrabody Area Nanonetworks. <i>IEEE Systems Journal</i> , 2020 , 1-12	4.3	3
24	Enhanced tunable plasmonic resonance in crumpled graphene resonators loaded with gate tunable metamaterials. <i>Optics Express</i> , 2020 , 28, 37860-37878	3.3	0
23	A Novel Design of Radiation Pattern-Reconfigurable Antenna System for Millimeter-Wave 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2585-2592	4.9	13
22	Multi-objective long-short term memory recurrent neural networks for speech enhancement. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 12, 9037	3.7	0
21	Expedited Yield Optimization of Narrow- and Multi-Band Antennas Using Performance-Driven Surrogates. <i>IEEE Access</i> , 2020 , 8, 143104-143113	3.5	17
20	Design-Oriented Two-Stage Surrogate Modeling of Miniaturized Microstrip Circuits With Dimensionality Reduction. <i>IEEE Access</i> , 2020 , 8, 121744-121754	3.5	4
19	Terahertz Antenna Array Based on a Hybrid Perovskite Structure. <i>IEEE Open Journal of Antennas and Propagation</i> , 2020 , 1, 464-471	1.9	6
18	Cost-Efficient Bi-Layer Modeling of Antenna Input Characteristics Using Gradient Kriging Surrogates. <i>IEEE Access</i> , 2020 , 8, 140831-140839	3.5	7
17	A Frequency and Radiation Pattern Combo-Reconfigurable Novel Antenna for 5G Applications and Beyond. <i>Electronics (Switzerland)</i> , 2020 , 9, 1372	2.6	10
16	On Learning Spectral Masking for Single Channel Speech Enhancement Using Feedforward and Recurrent Neural Networks. <i>IEEE Access</i> , 2020 , 8, 160581-160595	3.5	11
15	DESIGN AND ANALYSIS OF A MICROSTRIP PLANAR UWB BANDPASS FILTER WITH TRIPLE NOTCH BANDS FOR WIMAX, WLAN, AND X-BAND SATELLITE COMMUNICATION SYSTEMS. <i>Progress in Electromagnetics Research M</i> , 2020 , 93, 155-164	0.6	2
14	A 10-Ports MIMO Antenna System for 5G Smart-Phone Applications. <i>IEEE Access</i> , 2020 , 8, 218477-218488	3.5	7
13	Improved-Efficacy Optimization of Compact Microwave Passives by Means of Frequency-Related Regularization. <i>IEEE Access</i> , 2020 , 8, 195317-195326	3.5	1

12	Hybrid Isolator for Mutual-Coupling Reduction in Millimeter-Wave MIMO Antenna Systems. <i>IEEE Access</i> , 2019 , 7, 58466-58474	3.5	6
11	ON THE PATH LOSS MODEL FOR 5-GHZ MICROWAVE-BASED PINLESS SUBSEA CONNECTORS. <i>Progress in Electromagnetics Research Letters</i> , 2019 , 82, 147-153	0.5	1
10	60 GHz agile EBG-based antenna with reconfigurable pattern 2015 ,		2
9	Millimeter-Wave Compact EBG Structure for Mutual Coupling Reduction Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 823-828	4.9	70
8	Millimeter-wave FSS-based dielectric resonator antenna with reconfigurable radiation pattern 2014 ,		6
7	Millimeter-wave hybrid isolator for mutual-coupling reduction applications 2014 ,		1
6	Millimeter-Wave EBG-Based Aperture-Coupled Dielectric Resonator Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4354-4357	4.9	46
5	EBG dielectric-resonator antenna with reduced back radiation for millimeter-wave applications 2012 ,		2
4	A DUAL-BAND COPLANAR-WAVEGUIDE-FED SLOTS-COUPLED DUAL RECTANGULAR DIELECTRIC RESONATOR ANTENNA. <i>International Journal of Modelling and Simulation</i> , 2011 , 31,	1.5	1
3	A new UC-EBG based-dielectric resonator antenna for millimeter-wave applications 2011 ,		5
2	Dual-Band Coplanar-Waveguide-Fed Slot-Coupled Rectangular Dielectric Resonator Antenna 2009 ,		6
1	Miniaturized CPW-fed UWB-MIMO antennas with decoupling stub and enhanced isolation. <i>International Journal of Microwave and Wireless Technologies</i> , 1-9	0.8	1