

# Yasir I A Al-Yasir

## List of Publications by Year in descending order

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83  
papers

1,410  
citations

448610

19  
h-index

425179

34  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1000  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green and Highly Efficient MIMO Transceiver System for 5G Heterogenous Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 500-511.	3.5	22
2	Energy-Efficient RF for UDNs. , 2022, , 123-166.		0
3	Wireless Electromagnetic Radiation Assessment Based on the Specific Absorption Rate (SAR): A Review Case Study. Electronics (Switzerland), 2022, 11, 511.	1.8	14
4	Single-Element and MIMO Circularly Polarized Microstrip Antennas with Negligible Back Radiation for 5G Mid-Band Handsets. Sensors, 2022, 22, 3067.	2.1	13
5	Detection and Diagnosis of Stator and Rotor Electrical Faults for Three-Phase Induction Motor via Wavelet Energy Approach. Electronics (Switzerland), 2022, 11, 1253.	1.8	3
6	Efficient Colour Image Encryption Algorithm Using a New Fractional-Order Memcapacitive Hyperchaotic System. Electronics (Switzerland), 2022, 11, 1505.	1.8	9
7	A Low-Cost Microwave Filter with Improved Passband and Stopband Characteristics Using Stub Loaded Multiple Mode Resonator for 5G Mid-Band Applications. Electronics (Switzerland), 2021, 10, 450.	1.8	10
8	Phased Array 5G Antenna Design with Petal-Shaped Beams and Improved Radiation Coverage. , 2021, , .		1
9	A Compact 5G Antenna Array with Ultra-Wide Bandwidth for MM-Wave Smartphone Applications. , 2021, , .		8
10	A New No Equilibrium Fractional Order Chaotic System, Dynamical Investigation, Synchronization, and Its Digital Implementation. Inventions, 2021, 6, 49.	1.3	19
11	Flyback Photovoltaic Micro-Inverter with a Low Cost and Simple Digital-Analog Control Scheme. Energies, 2021, 14, 4239.	1.6	12
12	A New Optimization Algorithm Based on the Fungi Kingdom Expansion Behavior for Antenna Applications. Electronics (Switzerland), 2021, 10, 2057.	1.8	2
13	A New Fractional-Order Chaotic System with Its Analysis, Synchronization, and Circuit Realization for Secure Communication Applications. Mathematics, 2021, 9, 2593.	1.1	25
14	High-Security Image Encryption Based on a Novel Simple Fractional-Order Memristive Chaotic System with a Single Unstable Equilibrium Point. Electronics (Switzerland), 2021, 10, 3130.	1.8	10
15	Very Compact Reconfigurable Planar Filter With Wide-stopband Performance for Sub-6 GHz 5G Systems. , 2020, , .		1
16	A broadband multiple-input multiple-output loop antenna array for 5G cellular communications. AEU - International Journal of Electronics and Communications, 2020, 127, 153476.	1.7	23
17	A Differential-Fed Dual-Polarized High-Gain Filtering Antenna Based on SIW Technology for 5G Applications. , 2020, , .		4
18	AOA Localization for Vehicle-Tracking Systems Using a Dual-Band Sensor Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 6330-6345.	3.1	23

#	ARTICLE	IF	CITATIONS
19	Ultra-Wideband MIMO Diversity Antenna System for Future Handsets. , 2020, , .		2
20	A DESIGN OF ANTENNA ARRAY WITH IMPROVED PERFORMANCE FOR FUTURE SMARTPHONES. Progress in Electromagnetics Research C, 2020, 101, 1-12.	0.6	1
21	New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications. , 2020, , .		10
22	A New Broadband MIMO Antenna System for Sub 6 GHz 5G Cellular Communications. , 2020, , .		6
23	Use of multiple mobile sinks in wireless sensor networks for large-scale areas. IET Wireless Sensor Systems, 2020, 10, 175-180.	1.3	5
24	A Survey on Reconfigurable Microstrip Filter-Antenna Integration: Recent Developments and Challenges. Electronics (Switzerland), 2020, 9, 1249.	1.8	16
25	Load-modulation technique without using quarter-wavelength transmission line. IET Microwaves, Antennas and Propagation, 2020, 14, 1209-1215.	0.7	4
26	A Varactor-Based Very Compact Tunable Filter with Wide Tuning Range for 4G and Sub-6 GHz 5G Communications. Sensors, 2020, 20, 4538.	2.1	13
27	A Planar Diversity Loop Antenna Array with Improved Properties for 5G Mobile Phones. , 2020, , .		0
28	Orthogonally dual-polarised MIMO antenna array with pattern diversity for use in 5G smartphones. IET Microwaves, Antennas and Propagation, 2020, 14, 457-467.	0.7	34
29	EIGHT-PORT MIMO ANTENNA SYSTEM FOR 2.6 GHZ LTE CELLULAR COMMUNICATIONS. Progress in Electromagnetics Research C, 2020, 99, 49-59.	0.6	17
30	A CLOSELY SPACED DUAL-BAND MIMO PATCH ANTENNA WITH REDUCED MUTUAL COUPLING FOR 4G/5G APPLICATIONS. Progress in Electromagnetics Research C, 2020, 101, 71-80.	0.6	23
31	A New and Compact Wide-Band Microstrip Filter-Antenna Design for 2.4 GHz ISM Band and 4G Applications. Electronics (Switzerland), 2020, 9, 1084.	1.8	27
32	Design of a Wide-Band Microstrip Filtering Antenna with Modified Shaped Slots and SIR Structure. Inventions, 2020, 5, 11.	1.3	13
33	A New CPW-Fed Diversity Antenna for MIMO 5G Smartphones. Electronics (Switzerland), 2020, 9, 261.	1.8	39
34	Ultra-Wideband Diversity MIMO Antenna System for Future Mobile Handsets. Sensors, 2020, 20, 2371.	2.1	26
35	A Survey of Differential-Fed Microstrip Bandpass Filters: Recent Techniques and Challenges. Sensors, 2020, 20, 2356.	2.1	18
36	Study on the effect of the substrate material type and thickness on the performance of the filtering antenna design. Telkomnika (Telecommunication Computing Electronics and Control), 2020, 18, 72.	0.6	9

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37	Design and optimization of microstrip filtering antenna with modified shaped slots and SIR filter to improve the impedance bandwidth. Telkomnika (Telecommunication Computing Electronics and) Tj ETQq1 1 0.7843.14 rgBT 7Overloc	1.8	89
38	Reconfigurable Antennas: Switching Techniquesâ€”A Survey. Electronics (Switzerland), 2020, 9, 336.	1.8	89
39	Trisection Open-Loop Varacter-Based Tunable Filter for 5G Wireless Communications. , 2020, , .		0
40	FR4-PCB Smartphone Phased Array with Improved Performance for 5G Beam-Steering Applications. , 2020, , .		0
41	Design of Differential-Fed Filtering Patch Antenna with High-Gain and Dual-Polarized Characteristics for 5G Systems. , 2020, , .		0
42	Novel Differential-Fed Frequency-Reconfigurable Filtering Patch Antenna for 4G/5G Systems. , 2020, , .		0
43	Dual-Wide Band Stub Loaded Step Impedance Resonator Filter with Folded Meander Couple Lines. , 2020, , .		0
44	Reconfigurable Dielectric Resonator Antenna for GSM, LTE, and 5G applications. , 2020, , .		0
45	Novel and Very Compact Reconfigurable Bandpass to Lowpass/Bandpass Microstrip Filter with Wide-stopband Restriction for 5G Communications. , 2020, , .		0
46	Small-Clearance Phased Array Antenna Design with. , 2020, , .		1
47	CPW-Fed Antenna Design with Increased Bandwidth and WLAN Band-Filtering for UWB Systems. , 2020, , .		0
48	Three-Way Doherty Power Amplifier Using Class-F Amplifier for More Efficient Mobile Communications. , 2020, , .		0
49	Design of multiâ€standard single/tri/quintâ€wideband asymmetric steppedâ€impedance resonator filters with adjustable TZs. IET Microwaves, Antennas and Propagation, 2019, 13, 1637-1645.	0.7	16
50	Design, Simulation and Implementation of Very Compact Dual-band Microstrip Bandpass Filter for 4G and 5G Applications. , 2019, , .		20
51	Prediction of Solar Irradiance Based on Artificial Neural Networks. Inventions, 2019, 4, 45.	1.3	13
52	Adaptive Control Synchronization of a Novel Memristive Chaotic System for Secure Communication Applications. Inventions, 2019, 4, 30.	1.3	13
53	Antiâ€windup scheme based on 2DOFâ€PI Î» D Î¼/4 controller for velocity tracking of linear induction motor. International Transactions on Electrical Energy Systems, 2019, 29, e12134.	1.2	4
54	Doherty Power Amplifier for LTE-Advanced Systems. Technologies, 2019, 7, 60.	3.0	3

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55	Mixed-coupling multi-function quint-wideband asymmetric stepped impedance resonator filter. Microwave and Optical Technology Letters, 2019, 61, 1181-1184.	0.9	11
56	Multi-Band MIMO Antenna Design with User-Impact Investigation for 4G and 5G Mobile Terminals. Sensors, 2019, 19, 456.	2.1	53
57	Eight-Element Dual-Polarized MIMO Slot Antenna System for 5G Smartphone Applications. IEEE Access, 2019, 7, 15612-15622.	2.6	161
58	Maximum Power Point Tracking for Photovoltaic System by Using Fuzzy Neural Network. Inventions, 2019, 4, 33.	1.3	21
59	Recent Developments of Dual-Band Doherty Power Amplifiers for Upcoming Mobile Communications Systems. Electronics (Switzerland), 2019, 8, 638.	1.8	17
60	Mobile-Phone Antenna Array with Diamond-Ring Slot Elements for 5G Massive MIMO Systems. Electronics (Switzerland), 2019, 8, 521.	1.8	58
61	New multi-standard dual-wideband and quad-wideband asymmetric step impedance resonator filters with wide stop band restriction. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21802.	0.8	15
62	Recent Developments of Reconfigurable Antennas for Current and Future Wireless Communication Systems. Electronics (Switzerland), 2019, 8, 128.	1.8	85
63	Recent Progress in the Design of 4G/5G Reconfigurable Filters. Electronics (Switzerland), 2019, 8, 114.	1.8	54
64	Noise Cancellation for HIPERLAN/2 with Open Loop Transmit Diversity Technique. Inventions, 2019, 4, 46.	1.3	0
65	Modified PIFA Array Design with Improved Bandwidth and Isolation for 5G Mobile Handsets. , 2019, , .		5
66	Design of Bandpass Tunable Filter for Green Flexible RF for 5G. , 2019, , .		10
67	Design, Simulation and Implementation of Very Compact Open-loop Trisection BPF for 5G Communications. , 2019, , .		10
68	Load-Modulation Technique for Next Generation Mobile. , 2019, , .		3
69	Advancement of a Highly Efficient Class-F power Amplifier for 5G Doherty Architectures. , 2019, , .		2
70	Frequency Reconfigurable Antenna Array with Compact End-Fire Radiators for 4G/5G Mobile Handsets. , 2019, , .		13
71	Frequency Reconfigurable Antenna Array for MM-Wave 5G Mobile Handsets. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 438-445.	0.2	8
72	A 70-W Asymmetrical Doherty Power Amplifier for 5G Base Stations. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 446-454.	0.2	7

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73	The Performance of SLNR Beamformers in Multi-user MIMO Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 409-418.	0.2	0
74	A New Polarization-Reconfigurable Antenna for 5G Wireless Communications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 431-437.	0.2	11
75	A New Polarization-Reconfigurable Antenna for 5G Applications. Electronics (Switzerland), 2018, 7, 293.	1.8	63
76	On the Equivalence Between Eigen and Channel Inversion Based Precoders. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 161-172.	0.2	1
77	Design of frequency reconfigurable multiband compact antenna using two PIN diodes for WLAN/WiMAX applications. IET Microwaves, Antennas and Propagation, 2017, 11, 1098-1105.	0.7	102
78	Evaluation of genetic algorithms, particle swarm optimisation, and firefly algorithms in antenna design. , 2016, , .		12
79	Design of a uniplanar printed triple bandâ€rejected ultraâ€wideband antenna using particle swarm optimisation and the firefly algorithm. IET Microwaves, Antennas and Propagation, 2016, 10, 31-37.	0.7	50
80	Study on specific absorption rate. , 2014, , .		2
81	New Radiation Pattern-Reconfigurable 60-GHz Antenna for 5G Communications. , 0, , .		6
82	Wavelet Neural Networks for Speed Control of BLDC Motor. , 0, , .		1
83	Chaotic Dynamics in the 2D System of Nonsmooth Ordinary Differential Equations. Iraqi Journal for Computer Science and Mathematics, 0, , 8-17.	0.0	1