

# Mustapha C E Yagoub

## List of Publications by Year in descending order

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59  
papers

597  
citations

759190

12  
h-index

713444

21  
g-index

60  
all docs

60  
docs citations

60  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New High-Frequency HEMT GaN Extrinsic Capacitance Extraction Technique. IEEE Microwave and Wireless Components Letters, 2022, 32, 305-307.	3.2	7
2	A Survey on Mobile Edge Computing Infrastructure: Design, Resource Management, and Optimization Approaches. IEEE Access, 2022, 10, 27591-27610.	4.2	46
3	From temporal to spatial topography: hierarchy of neural dynamics in higher- and lower-order networks shapes their complexity. Cerebral Cortex, 2022, 32, 5637-5653.	2.9	11
4	Compact Omnidirectional Millimeter-Wave Antenna Array Fed in Series by a Novel Feed Network. IEEE Transactions on Antennas and Propagation, 2021, 69, 7604-7612.	5.1	11
5	Enhancing <sc>5G</sc> antenna performance by using <sc>3D FSS</sc> structures. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22739.	1.2	3
6	Analysis of Electromagnetic Properties of EBG Structures for Directional Planar Antennas. , 2021, , .		0
7	Compact, Broadband, and Omnidirectional Antenna Array for Millimeter-Wave Communication Systems. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2021, 20, 297-306.	0.7	4
8	The brain and its time: intrinsic neural timescales are key for input processing. Communications Biology, 2021, 4, 970.	4.4	60
9	A Compact Beam-Steerable Integrated Reflectarray Antenna for LEO Applications. , 2021, , .		1
10	A sub-harmonic injection locking clock multiplier with FLL PVT calibrator. Microelectronics Journal, 2020, 98, 104729.	2.0	1
11	New <sc>smallâ€signal</sc> extraction method applied to <sc>GaN</sc> <sc>HEMTs</sc> on different substrates. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22291.	1.2	8
12	New Semi Blind Tag Separation Method for Efficient Tags to Reader Collision Recovery in RFID Systems. IEEE Communications Letters, 2020, 24, 877-881.	4.1	1
13	Omni-directional Antenna Array with Improved Gain for 5G Communication Systems. , 2020, , .		8
14	Compact Wideband Linear Antenna Array Using Substrate Integrated Waveguide Cavity for 5G Communication Systems. , 2020, , .		2
15	Efficient Analysis of Dual-Band Anisotropic Monopole Antennas for Wireless Applications. Lecture Notes in Electrical Engineering, 2019, , 16-21.	0.4	2
16	RCS of Complex Targets via Compressive Sensing. , 2019, , .		1
17	A kuâ€band distributed SPDT switch in 0.5Âµm AlGaN/GaN HEMT technology. Microwave and Optical Technology Letters, 2018, 60, 462-465.	1.4	5
18	Integrated Microstrip-to-Waveguide Transition With Microstrip Directional Coupler. IEEE Microwave and Wireless Components Letters, 2018, 28, 389-391.	3.2	4

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19	TDMA&SDMA&based RFID algorithm for fast detection and efficient collision avoidance. International Journal of Communication Systems, 2018, 31, e3392.	2.5	6
20	Feedback linearization approach to fault tolerance for a micro quadrotor. , 2018, , .		4
21	12-Element wideband microstrip array antenna for high data rate terahertz communications. Optik, 2018, 171, 886-890.	2.9	8
22	A Novel Broadband Antenna Design for UHF RFID Tags on Metallic Surface Environments. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 91-94.	4.0	53
23	High-Gain Wideband Partially Reflecting Surface Antenna for 60 GHz Systems. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2704-2707.	4.0	25
24	High selective CMOS bandpass filter design for millimeterwave applications. , 2016, , .		1
25	Low&loss compact power combiner for solid state power amplifiers with high reliability. IET Microwaves, Antennas and Propagation, 2016, 10, 310-317.	1.4	9
26	High performance reversed nested Miller frequency compensation. Analog Integrated Circuits and Signal Processing, 2015, 85, 223-233.	1.4	46
27	High performance folded cascode OTA using positive feedback and recycling structure. Analog Integrated Circuits and Signal Processing, 2015, 82, 217-227.	1.4	55
28	DESIGN AND OPTIMIZATION OF A FULLY DIFFERENTIAL CMOS VARIABLE-GAIN LNA WITH DIFFERENTIAL EVOLUTION ALGORITHM FOR WLAN APPLICATIONS. Journal of Circuits, Systems and Computers, 2014, 23, 1450124.	1.5	4
29	A 1/4-RATE LINEAR PHASE DETECTOR FOR HIGH SPEED PLL-BASED CLOCK AND DATA RECOVERY CIRCUIT. Journal of Circuits, Systems and Computers, 2014, 23, 1450072.	1.5	3
30	Particle swarm optimization protocol for clustering in wireless sensor networks: A realistic approach. , 2014, , .		13
31	Energy efficient clustering protocol for WSN using PSO. , 2014, , .		9
32	Design and simulation of anti-collision RFID system based on SDMA-OFDM. , 2014, , .		1
33	Efficient narrowband interference cancellation in ultra&wide&band rake receivers. IET Communications, 2013, 7, 57-64.	2.2	13
34	Computationally Efficient Adaptive Type-2 Fuzzy Control of Flexible-Joint Manipulators. Robotics, 2013, 2, 66-91.	3.5	25
35	Weighted tree based routing and clustering protocol for WSN. , 2013, , .		6
36	Parametric Study of 1-D PBG Structures Composed of Subwavelength Dipole Elements. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 661-664.	4.0	1

#	ARTICLE	IF	CITATIONS
37	A 1.2 V CMOS COMMON-GATE LOW NOISE AMPLIFIER FOR UWB WIRELESS COMMUNICATIONS. Journal of Circuits, Systems and Computers, 2013, 22, 1350052.	1.5	8
38	Miniature single-sideband subharmonically-pumped 60GHz direct upconverter in a uniplanar GaAs pHEMT technology using inductive and capacitive loading techniques. International Journal of Microwave and Wireless Technologies, 2013, 5, 319-328.	1.9	0
39	Time domain analysis of waves in layered lossy dispersive media. , 2012, , .		0
40	Total-field scattered-field plane wave sources for FDTD analysis of stratified lossy dispersive media. , 2012, , .		0
41	Efficient characterization of EMC shielding in anisotropic high-Tc superconducting devices for industrial applications. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 116-123.	1.2	3
42	Simulation of the anti-collision process of RFID systems based on multiple access protocol modeling. , 2011, , .		3
43	Efficient characterization of multilayered microwave wireless circuits on gyrotropic dielectric media including magnetized ferrites. Microwave and Optical Technology Letters, 2011, 53, 978-982.	1.4	3
44	Genetic algorithm based efficient tag detection in RFID reader networks. , 2011, , .		2
45	Neural-based approach for localization of sensors in indoor environment. Telecommunication Systems, 2010, 44, 149-158.	2.5	25
46	Efficient Approach for Redundant Reader Elimination in Large-Scale RFID Networks. , 2010, , .		6
47	Microstrip patch antenna for RFID applications. , 2009, , .		14
48	Neural network based speed observer for interior permanent magnet synchronous motor drives. , 2009, , .		9
49	ANN-based adaptive motion and posture control of an inverted pendulum with unknown dynamics. , 2009, , .		3
50	Passivity Compensation Algorithm for Method-of-Characteristics-Based Multiconductor Transmission Line Interconnect Macromodels. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2009, 17, 1061-1072.	3.1	16
51	Spectral-domain modeling of anisotropy in ferrite microwave circuits with multilayer configuration. , 2009, , .		1
52	A Robust Algorithm for Passive Reduced-Order Macromodeling of MTLs With FD-PUL Parameters Using Integrated Congruence Transform. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2008, 27, 574-578.	2.7	4
53	Application of EM Coupling CAD Model to Nonlinear Integrated Circuit Simulation. , 2007, , .		0
54	FPGA implementation of a hybrid neural fuzzy controller for flexible-joint manipulators with uncertain dynamics. , 2007, , .		1

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55	Artificial Neural Network Control of a Flexible-Joint Manipulator Under Unstructured Dynamic Uncertainties. , 2007, , .		1
56	Generic Spectral Immittance Approach for Fast Design of Multilayered Bilateral Structures Including Anisotropic Media. IEEE Microwave and Wireless Components Letters, 2007, 17, 409-411.	3.2	15
57	Hybrid Neural Fuzzy Sliding Mode Control of Flexible-Joint Manipulators with Unknown Dynamics. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , .	0.0	24
58	New Technique for Efficient Computation of Electromagnetic Coupling. , 2006, , .		1
59	Efficient approach for modeling substrate integrated waveguides. Microwave and Optical Technology Letters, 0, , .	1.4	0