

Mohammad Ali

List of Publications by Year in descending order

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64
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64
times ranked

873
citing authors

#	ARTICLE	IF	CITATIONS
1	Microscopic level modeling of induction welding heating mechanisms in thermoplastic composites. Journal of Thermoplastic Composite Materials, 2023, 36, 1017-1033.	4.2	4
2	Non-Conductor-Contact Surface Wave Reflectometry for Cable Insulation Damage Detection. IEEE Sensors Journal, 2022, 22, 11065-11074.	4.7	2
3	Flexible Fabric-Based IDC Sensors for Conformal Curved Surface Applications. IEEE Sensors Journal, 2021, 21, 812-820.	4.7	5
4	Frequency/Pattern Reconfigurable Printed Monopole MIMO Antenna for Handheld Devices. , 2021, , .		2
5	Beam Steering MIMO Antenna for Mobile Handsets. , 2021, , .		2
6	Cable Insulation Aging Simulation. , 2021, , .		3
7	Full-Wave and Circuit-Based Simulations of Cable Insulation Aging/Damage Using Time-Frequency Domain Reflectometry. , 2021, , .		4
8	Isolation improvement of a two-port PIFA for MIMO using a planar EBG ground. Microwave and Optical Technology Letters, 2020, 62, 737-742.	1.4	12
9	EBG design and analysis for wideband isolation improvement between aircraft blade monopoles. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22046.	1.2	2
10	Printed Dipole MIMO Antenna for Wireless Handheld Terminals. , 2020, , .		3
11	A broadband directional circularly polarized spiral antenna on EBG structure. Journal of Electromagnetic Waves and Applications, 2020, 34, 1563-1585.	1.6	3
12	A Simple Technique for EBG Design for Monopole Antenna Isolation Improvement. , 2019, , .		3
13	Simulation and Experimental Results of Interdigital Capacitor (IDC) Sensors to Monitor Insulation Degradation of Cables. , 2019, , .		6
14	Modified EBG Design Circuit Model for Isolation Improvement Between Monopole Antennas. , 2019, , .		2
15	Simple empirical formulas to estimate the dielectric constant and conductivity of concrete. Microwave and Optical Technology Letters, 2019, 61, 386-390.	1.4	11
16	Effect of heterogeneity in additively manufactured dielectric structures on RF response of microstrip patch antennas. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21234.	1.2	2
17	MEMS Reconfigurable Broadband Patch Antenna for Conformal Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 2770-2778.	5.1	48
18	Capacity Enhancement of Indoor 5G mmWave Communication by Beam Steering and Narrowing. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	A Study of 13.5-MHz Coupled-Loop Wireless Power Transfer Under Concrete and Near Metal. IEEE Sensors Journal, 2018, 18, 9848-9856.	4.7	8
20	A broadband high-gain aperture coupled patch array for communication and radar applications. , 2017, , .		1
21	Partially overlapping filtered multitone with reconfigurable antennas in uncoordinated networks. Physical Communication, 2017, 25, 249-258.	2.1	0
22	Three-Dimensional Printed Dielectric Substrates for Radio Frequency Applications. Journal of Electronic Packaging, Transactions of the ASME, 2017, 139, .	1.8	3
23	Analysis of structural effects on conformal antenna performance. , 2017, , .		1
24	VHF antenna for airfoil structural integration. , 2016, , .		1
25	Wireless power delivery under concrete for sensors. , 2016, , .		0
26	High-Gain Pattern Reconfigurable MIMO Antenna Array for Wireless Handheld Terminals. IEEE Transactions on Antennas and Propagation, 2016, 64, 4306-4315.	5.1	33
27	A thin switched beam parasitic antenna array on planar EBG for 2.4 GHz wireless application. , 2016, , .		1
28	Superstrate configurations for a MEMS reconfigurable pixelated patch antenna for CLAS. , 2015, , .		3
29	Conformal direct written antenna on structural composites. , 2015, , .		3
30	Ultra-Thin UHF Broadband Antenna on a Non-Uniform Aperiodic (NUA) MetaSurface. IEEE Antennas and Propagation Magazine, 2015, 57, 167-180.	1.4	18
31	Non-contact surface wave sensing of wire fault precursors. , 2015, , .		0
32	Engineered smart substrate with embedded patterned permalloy thin film for radio frequency applications. Journal of Applied Physics, 2015, 117, 17B709.	2.5	10
33	A Broadband High-Gain Bi-Layer LPDA for UHF Conformal Load-Bearing Antenna Structures (CLASs) Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 2359-2364.	5.1	32
34	A high-gain beam steering fabric-based array for body-worn wireless applications. , 2015, , .		1
35	A 5 GHz beam steering array for portable wireless MIMO application. , 2014, , .		5
36	Aperture coupled MEMS reconfigurable pixel patch antenna for conformal load bearing antenna structures (CLAS). , 2014, , .		5

#	ARTICLE	IF	CITATIONS
37	A MEMS reconfigurable pixel microstrip patch antenna for conformal load bearing antenna structures (CLAS) concept. , 2014, , .		14
38	A pixelated pattern reconfigurable Yagi-Uda array for conformal loadbearing antenna structure (CLAS). , 2014, , .		2
39	A new method to estimate the average dielectric constants of aged power cables. Journal of Electromagnetic Waves and Applications, 2014, 28, 777-789.	1.6	10
40	Electrically Small Broadband VHF/UHF Planar Antenna Matched Using a Non-Foster Circuit. Microwave and Optical Technology Letters, 2013, 55, 2494-2497.	1.4	4
41	A 900 MHz Beam Steering Parasitic Antenna Array for Wearable Wireless Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 4520-4527.	5.1	29
42	Temperature Rise Induced by Wire and Planar Antennas in a High-Resolution Human Head Model. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 288-298.	2.2	2
43	Surface wave propagation measurements in unshielded XLPE power cables. , 2013, , .		2
44	A broadband UHF antenna on a non-uniform aperiodic (NUA) EBG surface. , 2013, , .		1
45	A broadband VHF-UHF Yagi-Uda end-fire array. , 2013, , .		2
46	Design and Application of Surface Wave Sensors for Nonintrusive Power Line Fault Detection. IEEE Sensors Journal, 2013, 13, 339-347.	4.7	29
47	Body-wearable beam steering antenna array for 5.2 GHz WLAN applications. , 2012, , .		4
48	Joint time-frequency optimized reference for surface wave reflectometry-based insulation health assessment. , 2012, , .		2
49	A double meander PIFA with a parasitic metal box for wideband 4G mobile phones. , 2011, , .		2
50	Temperature rise in an anatomical human head model due to 2.45 and 3.7 GHz inverted-F antennas. , 2011, , .		0
51	A novel wearable antenna array for 2.45 GHz WLAN application. , 2011, , .		11
52	Elevation Plane Beam Scanning of a Novel Parasitic Array Radiator Antenna for 1900 MHz Mobile Handheld Terminals. IEEE Transactions on Antennas and Propagation, 2010, 58, 3344-3352.	5.1	28
53	A Miniature Energy Harvesting Device for Wireless Sensors in Electric Power System. IEEE Sensors Journal, 2010, 10, 1249-1258.	4.7	97
54	Concrete Moisture Content Measurement Using Interdigitated Near-Field Sensors. IEEE Sensors Journal, 2010, 10, 1243-1248.	4.7	44

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55	A multi-element enhanced bandwidth PIFA for beam steering in a mobile phone at 1900 MHz. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1
56	Reflection and transmission properties of embedded dipoles and PIFAs inside Concrete at 915 MHz. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	9
57	A Miniature Implanted Inverted-F Antenna for GPS Application. IEEE Transactions on Antennas and Propagation, 2009, 57, 1854-1858.	5.1	30
58	A Miniature Spiral Diversity Antenna System With High Overall Gain Coverage and Low SAR. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 49-52.	4.0	14
59	Novel Wideband Directional Dipole Antenna on a Mushroom Like EBG Structure. IEEE Transactions on Antennas and Propagation, 2008, 56, 1242-1250.	5.1	91
60	Proximity Coupled Interdigitated Sensors to Detect Insulation Damage in Power System Cables. IEEE Sensors Journal, 2007, 7, 1589-1596.	4.7	27
61	Wireless Power Transmission to a Buried Sensor in Concrete. IEEE Sensors Journal, 2007, 7, 1573-1577.	4.7	110
62	Broadband coplanar waveguide-fed slot antenna for wireless local area networks and microwave imaging applications. Microwave and Optical Technology Letters, 2007, 49, 846-852.	1.4	1
63	A Reconfigurable Stacked Microstrip Patch Antenna for Satellite and Terrestrial Links. IEEE Transactions on Vehicular Technology, 2007, 56, 426-435.	6.3	60
64	Small printed integrated inverted-F antenna for Bluetooth application. Microwave and Optical Technology Letters, 2002, 33, 347-349.	1.4	32