

Shuai Zhang

List of Publications by Year in descending order

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207
papers

6,479
citations

87888

38
h-index

76900

74
g-index

207
all docs

207
docs citations

207
times ranked

4986
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Based Recommender System. ACM Computing Surveys, 2020, 52, 1-38.	23.0	811
2	Mutual Coupling Reduction for UWB MIMO Antennas With a Wideband Neutralization Line. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 166-169.	4.0	403
3	Ultrawideband MIMO/Diversity Antennas With a Tree-Like Structure to Enhance Wideband Isolation. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1279-1282.	4.0	354
4	A Review of Mutual Coupling in MIMO Systems. IEEE Access, 2018, 6, 24706-24719.	4.2	281
5	A Switchable 3-D-Coverage-Phased Array Antenna Package for 5G Mobile Terminals. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1747-1750.	4.0	205
6	Mutual Coupling Reduction of Two PIFAs With a T-Shape Slot Impedance Transformer for MIMO Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2012, 60, 1521-1531.	5.1	178
7	Closely-Packed UWB MIMO/Diversity Antenna With Different Patterns and Polarizations for USB Dongle Applications. IEEE Transactions on Antennas and Propagation, 2012, 60, 4372-4380.	5.1	170
8	Building two-dimensional materials one row at a time: Avoiding the nucleation barrier. Science, 2018, 362, 1135-1139.	12.6	155
9	Tuning crystallization pathways through sequence engineering of biomimetic polymers. Nature Materials, 2017, 16, 767-774.	27.5	116
10	A Planar Switchable 3-D-Coverage Phased Array Antenna and Its User Effects for 28-GHz Mobile Terminal Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6413-6421.	5.1	112
11	Coexistence of ribbon and helical fibrils originating from hIAPP ₂₀ revealed by quantitative nanomechanical atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2798-2803.	7.1	104
12	Reducing Mutual Coupling for an Extremely Closely-Packed Tunable Dual-Element PIFA Array Through a Resonant Slot Antenna Formed In-Between. IEEE Transactions on Antennas and Propagation, 2010, 58, 2771-2776.	5.1	96
13	Integrated Millimeter-Wave Wideband End-Fire 5G Beam Steerable Array and Low-Frequency 4G LTE Antenna in Mobile Terminals. IEEE Transactions on Vehicular Technology, 2019, 68, 4042-4046.	6.3	96
14	Compact Quad-Mode Planar Phased Array With Wideband for 5G Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2018, 66, 4648-4657.	5.1	85
15	Reduction of the Envelope Correlation Coefficient With Improved Total Efficiency for Mobile LTE MIMO Antenna Arrays: Mutual Scattering Mode. IEEE Transactions on Antennas and Propagation, 2013, 61, 3280-3291.	5.1	82
16	Soil heavy metal pollution of industrial legacies in China and health risk assessment. Science of the Total Environment, 2022, 816, 151632.	8.0	82
17	A Transmission-Line-Based Decoupling Method for MIMO Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 3117-3131.	5.1	81
18	Adaptive Quad-Element Multi-Wideband Antenna Array for User-Effective LTE MIMO Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2013, 61, 4275-4283.	5.1	80

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19	Mutual Coupling Suppression With Decoupling Ground for Massive MIMO Antenna Arrays. IEEE Transactions on Vehicular Technology, 2019, 68, 7273-7282.	6.3	75
20	Dual-Polarized Phased Array With End-Fire Radiation for 5G Handset Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 3277-3282.	5.1	73
21	Statistical Investigation of the User Effects on Mobile Terminal Antennas for 5G Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6596-6605.	5.1	71
22	Compact Beam-Steerable Antenna Array With Two Passive Parasitic Elements for 5G Mobile Terminals at 28 GHz. IEEE Transactions on Antennas and Propagation, 2018, 66, 5193-5203.	5.1	71
23	The role of self-assembling polypeptides in building nanomaterials. Physical Chemistry Chemical Physics, 2011, 13, 17435.	2.8	68
24	SAR Study of Different MIMO Antenna Designs for LTE Application in Smart Mobile Handsets. IEEE Transactions on Antennas and Propagation, 2013, 61, 3270-3279.	5.1	62
25	Wideband Beam-Switchable 28 GHz Quasi-Yagi Array for Mobile Devices. IEEE Transactions on Antennas and Propagation, 2019, 67, 6870-6882.	5.1	62
26	A Low-Cost, High-Efficiency and Full-Metal Reflectarray Antenna With Mechanically 2-D Beam-Steerable Capabilities for 5G Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 6997-7006.	5.1	61
27	mm-Wave Beam-Steerable Endfire Array Embedded in a Slotted Metal-Frame LTE Antenna. IEEE Transactions on Antennas and Propagation, 2020, 68, 3685-3694.	5.1	54
28	Printed MIMO antenna system of four closely-spaced elements with large bandwidth and high isolation. Electronics Letters, 2010, 46, 1052.	1.0	52
29	Spherical Coverage Characterization of 5G Millimeter Wave User Equipment With 3GPP Specifications. IEEE Access, 2019, 7, 4442-4452.	4.2	51
30	A Metasurface Superstrate for Mutual Coupling Reduction of Large Antenna Arrays. IEEE Access, 2020, 8, 126859-126867.	4.2	51
31	A Dual-Polarized and High-Gain X/Ka -Band Shared-Aperture Antenna With High Aperture Reuse Efficiency. IEEE Transactions on Antennas and Propagation, 2021, 69, 1334-1344.	5.1	50
32	Reduction of Main Beam-Blockage in an Integrated 5G Array With a Metal-Frame Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 3161-3170.	5.1	47
33	Co-assembly of human islet amyloid polypeptide (hIAPP)/insulin. Chemical Communications, 2012, 48, 191-193.	4.1	46
34	Radiation-Pattern Reconfigurable Phased Array With p-i-n Diodes Controlled for 5G Mobile Terminals. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1103-1117.	4.6	44
35	A Planar Dual-Polarized Phased Array With Broad Bandwidth and Quasi-Endfire Radiation for 5G Mobile Handsets. IEEE Transactions on Antennas and Propagation, 2021, 69, 6410-6419.	5.1	44
36	A Wideband Filtering Antenna Array With Harmonic Suppression. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4327-4339.	4.6	43

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37	Dual-Band Structure Reused Antenna Based on Quasi-Elliptic Bandpass Frequency Selective Surface for 5G Application. IEEE Transactions on Antennas and Propagation, 2020, 68, 7612-7617.	5.1	42
38	A Wideband Single-Fed, Circularly-Polarized Patch Antenna With Enhanced Axial Ratio Bandwidth for UHF RFID Reader Applications. IEEE Access, 2018, 6, 55883-55892.	4.2	41
39	MIMO antenna system of two closely-positioned PIFAs with high isolation. Electronics Letters, 2009, 45, 771.	1.0	37
40	A Dual-Polarized Linear Antenna Array With Improved Isolation Using a Slotline-Based 180° Hybrid for Full-Duplex Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 348-352.	4.0	37
41	A Simple Decoupling Network With Filtering Response for Patch Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 7427-7439.	5.1	37
42	Dual-Band Shared Aperture Reflectarray and Patch Antenna Array for S- and Ka-Bands. IEEE Transactions on Antennas and Propagation, 2022, 70, 2340-2345.	5.1	36
43	Investigation of Diagonal Antenna-Chassis Mode in Mobile Terminal LTE MIMO Antennas for Bandwidth Enhancement. IEEE Antennas and Propagation Magazine, 2015, 57, 217-228.	1.4	35
44	Body-Insensitive Multimode MIMO Terminal Antenna of Double-Ring Structure. IEEE Transactions on Antennas and Propagation, 2015, 63, 1925-1936.	5.1	35
45	A Dual-Band Shared-Aperture Antenna With Wide-Angle Scanning Capability for Mobile System Applications. IEEE Transactions on Vehicular Technology, 2021, 70, 4088-4097.	6.3	35
46	The Importance of Being Capped: Terminal Capping of an Amyloidogenic Peptide Affects Fibrillation Propensity and Fibril Morphology. Biochemistry, 2014, 53, 6968-6980.	2.5	33
47	A Reflectarray Antenna Designed With Gain Filtering and Low-RCS Properties. IEEE Transactions on Antennas and Propagation, 2019, 67, 5362-5371.	5.1	33
48	Wideband or Dual-Band Low-Profile Circular Patch Antenna With High-Gain and Sidelobe Suppression. IEEE Transactions on Antennas and Propagation, 2018, 66, 3166-3171.	5.1	31
49	SIW Multibeam Antenna Array at 30 GHz for 5G Mobile Devices. IEEE Access, 2019, 7, 73157-73164.	4.2	31
50	Assembly of a patchy protein into variable 2D lattices via tunable multiscale interactions. Nature Communications, 2020, 11, 3770.	12.8	31
51	Wide-Band and Wide-Angle Scanning Phased Array Antenna for Mobile Communication System. IEEE Open Journal of Antennas and Propagation, 2021, 2, 203-212.	3.7	31
52	Nanoparticle-Mediated Assembly of Peptoid Nanosheets Functionalized with Solid-Binding Proteins: Designing Heterostructures for Hierarchy. Nano Letters, 2021, 21, 1636-1642.	9.1	31
53	Channel Characteristics and User Body Effects in an Outdoor Urban Scenario at 15 and 28 GHz. IEEE Transactions on Antennas and Propagation, 2017, 65, 6534-6548.	5.1	30
54	Compact Wideband and Low-Profile Antenna Mountable on Large Metallic Surfaces. IEEE Transactions on Antennas and Propagation, 2017, 65, 6-16.	5.1	29

#	ARTICLE	IF	CITATIONS
55	3D Radiation Pattern Reconfigurable Phased Array for Transmission Angle Sensing in 5G Mobile Communication. <i>Sensors</i> , 2018, 18, 4204.	3.8	29
56	User Effects on the Circular Polarization of 5G Mobile Terminal Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 4906-4911.	5.1	29
57	Wideband Vertically Polarized Antenna With Endfire Radiation for 5G Mobile Phone Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1948-1952.	4.0	28
58	Dual-Polarized Wide-Angle Scanning Phased Array Antenna for 5G Communication Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 7427-7438.	5.1	28
59	Scanning ion conductance microscopy studies of amyloid fibrils at nanoscale. <i>Nanoscale</i> , 2012, 4, 3105.	5.6	27
60	User-Shadowing Suppression for 5G mm-Wave Mobile Terminal Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 4162-4172.	5.1	27
61	A Triple-Band Absorber With Wide Absorption Bandwidths Using an Impedance Matching Theory. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 521-525.	4.0	27
62	A Wideband 3-D Printed Reflectarray Antenna With Mechanically Reconfigurable Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1798-1802.	4.0	26
63	High-Isolation Dual-Polarized Leaky-Wave Antenna With Fixed Beam for Full-Duplex Millimeter-Wave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 7202-7212.	5.1	26
64	Mixed poly (ethylene glycol) and oligo (ethylene glycol) layers on gold as nonfouling surfaces created by backfilling. <i>Biointerphases</i> , 2011, 6, 180-188.	1.6	25
65	UWB Wind Turbine Blade Deflection Sensing for Wind Energy Cost Reduction. <i>Sensors</i> , 2015, 15, 19768-19782.	3.8	25
66	Engineering Biomolecular Self-Assembly at Solid-Liquid Interfaces. <i>Advanced Materials</i> , 2021, 33, e1905784.	21.0	25
67	User Impact on Phased and Switch Diversity Arrays in 5G Mobile Terminals. <i>IEEE Access</i> , 2018, 6, 1616-1623.	4.2	24
68	Performance Investigation of a Mobile Terminal Phased Array With User Effects at 3.5 GHz for LTE Advanced. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 1847-1850.	4.0	23
69	Direct Observation of the Orientational Anisotropy of Buried Hydroxyl Groups inside Muscovite Mica. <i>Journal of the American Chemical Society</i> , 2019, 141, 2135-2142.	13.7	23
70	A Broadband and FSS-Based Transmitarray Antenna for 5G Millimeter-Wave Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 103-107.	4.0	23
71	A Wavetrap-Based Decoupling Technique for 45° Polarized MIMO Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 2148-2157.	5.1	22
72	Multiplexing efficiency for MIMO antenna channel impairment characterisation in realistic multipath environments. <i>IET Microwaves, Antennas and Propagation</i> , 2017, 11, 524-528.	1.4	21

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73	Sequence-Structure-Binding Relationships Reveal Adhesion Behavior of the Car9 Solid-Binding Peptide: An Integrated Experimental and Simulation Study. <i>Journal of the American Chemical Society</i> , 2020, 142, 2355-2363.	13.7	21
74	Decoupling of a Wideband Dual-Polarized Large-Scale Antenna Array With Dielectric Stubs. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 7363-7374.	6.3	21
75	<i>In Situ</i> TEM and AFM Investigation of Morphological Controls during the Growth of Single Crystal BaWO ₄ . <i>Crystal Growth and Design</i> , 2018, 18, 1367-1375.	3.0	20
76	Programmable two-dimensional nanocrystals assembled from POSS-containing peptoids as efficient artificial light-harvesting systems. <i>Science Advances</i> , 2021, 7, .	10.3	20
77	2D amyloid aggregation of human islet amyloid polypeptide at the solid-liquid interface. <i>Soft Matter</i> , 2012, 8, 1616-1622.	2.7	19
78	Disentangling Rotational Dynamics and Ordering Transitions in a System of Self-Organizing Protein Nanorods via Rotationally Invariant Latent Representations. <i>ACS Nano</i> , 2021, 15, 6471-6480.	14.6	19
79	Hierarchical Self-Assembly Pathways of Peptoid Helices and Sheets. <i>Biomacromolecules</i> , 2022, 23, 992-1008.	5.4	19
80	Peptoid-directed assembly of CdSe nanoparticles. <i>Nanoscale</i> , 2021, 13, 1273-1282.	5.6	18
81	Collagen coated tantalum substrate for cell proliferation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 10-15.	5.0	17
82	Cosynthesis of a Filtering Antenna With Harmonic Suppression. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1729-1733.	4.0	17
83	Noncontact Group-Delay-Based Sensor for Metal Deformation and Crack Detection. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 7613-7619.	7.9	17
84	Quantifying the Dynamics of Protein Self-Organization Using Deep Learning Analysis of Atomic Force Microscopy Data. <i>Nano Letters</i> , 2021, 21, 158-165.	9.1	17
85	Compact RFID Tag Antenna With Circular Polarization and Embedded Feed Network for Metallic Objects. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014, 13, 1271-1274.	4.0	16
86	Compact broadband circularly polarised slot antenna for universal UHF RFID readers. <i>Electronics Letters</i> , 2015, 51, 808-809.	1.0	16
87	A Millimeter-Wave Gain-Filtering Transmitarray Antenna Design Using a Hybrid Lens. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 1362-1366.	4.0	16
88	REDUCE THE HAND-EFFECT BODY LOSS FOR LTE MOBILE ANTENNA IN CTIA TALKING AND DATA MODES. <i>Progress in Electromagnetics Research</i> , 2013, 137, 73-85.	4.4	15
89	A GENERAL METHOD FOR DESIGNING A RADOME TO ENHANCE THE SCANNING ANGLE OF A PHASED ARRAY ANTENNA. <i>Progress in Electromagnetics Research</i> , 2014, 145, 203-212.	4.4	15
90	A Multi-Band Magneto-Electric Dipole Antenna With Wide Beam-Width. <i>IEEE Access</i> , 2020, 8, 68820-68827.	4.2	15

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91	Wideband Low-Profile Dual-Polarized Phased Array With Endfire Radiation Patterns for 5G Mobile Applications. IEEE Transactions on Vehicular Technology, 2021, 70, 8431-8440.	6.3	15
92	Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. IEEE Transactions on Vehicular Technology, 2020, 69, 8132-8139.	6.3	15
93	Building the First Hydration Shell of Deprotonated Glycine by the MCM and ab Initio Methods. Journal of Physical Chemistry B, 2011, 115, 6213-6221.	2.6	14
94	Modulation of fibrillation of hIAPP core fragments by chemical modification of the peptide backbone. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 274-285.	2.3	14
95	Broadband Dual-Polarized Antenna Array With Endfire Radiation for 5G Mobile Phone Applications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2427-2431.	4.0	14
96	Closely-Located MIMO Antennas of Tri-Band for WLAN Mobile Terminal Applications. Journal of Electromagnetic Waves and Applications, 2010, 24, 363-371.	1.6	13
97	Investigation of a UWB Wind Turbine Blade Deflection Sensing System With a Tip Antenna Inside a Blade. IEEE Sensors Journal, 2016, 16, 7892-7902.	4.7	13
98	Fast Power Density Assessment of 5G Mobile Handset Using Equivalent Currents Method. IEEE Transactions on Antennas and Propagation, 2021, 69, 6857-6869.	5.1	12
99	Scaffolded multimers of hIAPP20â€“29 peptide fragments fibrillate faster and lead to different fibrils compared to the free hIAPP20â€“29 peptide fragment. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1890-1897.	2.3	11
100	A Facile Route to Synthesize Nanographene Reinforced PBO Composites Fiber via in Situ Polymerization. Polymers, 2016, 8, 251.	4.5	11
101	Circularly polarized planar helix phased antenna array for 5G mobile terminals. , 2017, , .		11
102	On MIMOâ€“FMC in the Presence of Phase Noise and Antenna Mutual Coupling. Radio Science, 2017, 52, 1386-1394.	1.6	11
103	A Novel Aperture-Loaded Decoupling Concept for Patch Antenna Arrays. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4272-4283.	4.6	11
104	Wideband Slot Array Antenna Fed by Open-Ended Rectangular Waveguide at W-Band. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 666-670.	4.0	11
105	On the Study of Reconfigurable Intelligent Surfaces in the Near-Field Region. IEEE Transactions on Antennas and Propagation, 2022, 70, 8718-8728.	5.1	11
106	MIMO REFERENCE ANTENNAS WITH CONTROLLABLE CORRELATIONS AND TOTAL EFFICIENCIES. Progress in Electromagnetics Research, 2014, 145, 115-121.	4.4	10
107	SAR study for smart watch applications. , 2014, , .		10
108	X-Band Dual Circularly Polarized Patch Antenna With High Gain for Small Satellites. IEEE Access, 2019, 7, 74925-74930.	4.2	10

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109	Ion-dependent proteinâ€‘surface interactions from intrinsic solvent response. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
110	SAR study of different MIMO antenna designs for LTE application in smart mobile phones. , 2012, , .		9
111	Multipath Suppression With an Absorber for UWB Wind Turbine Blade Deflection Sensing Systems. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2583-2595.	4.6	9
112	Beam-steerable Multi-band Mm-wave Bow-tie Antenna Array for Mobile Terminals. , 2018, , .		9
113	Compact broadband circularlyâ€‘polarised antenna with a backed cavity for UHF RFID applications. IET Microwaves, Antennas and Propagation, 2019, 13, 789-795.	1.4	9
114	Transparent mm-Wave Array on a Glass Substrate with Surface Wave Reduction. , 2020, , .		9
115	Shared Aperture Dual S- and X-band Antenna for Nano-Satellite Applications. , 2020, , .		9
116	Design of Zero Clearance SIW Endfire Antenna Array Using Machine Learning-Assisted Optimization. IEEE Transactions on Antennas and Propagation, 2022, 70, 3858-3863.	5.1	9
117	Impact of Nanoparticle Size and Surface Chemistry on Peptoid Self-Assembly. ACS Nano, 2022, 16, 8095-8106.	14.6	9
118	Improved landslide susceptibility mapping using unsupervised and supervised collaborative machine learning models. Georisk, 2023, 17, 387-405.	3.5	9
119	Characterization and Modeling of the User Blockage for 5G Handset Antennas. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	8
120	Design of a Triple-Band Shared-Aperture Antenna With High Figures of Merit. IEEE Transactions on Antennas and Propagation, 2021, 69, 8884-8889.	5.1	8
121	A Broadband Compact Folded Monopole Antenna for WLAN/WiMAX Communication Applications. Journal of Electromagnetic Waves and Applications, 2010, 24, 921-930.	1.6	7
122	Mutual Coupling Reduction for Linearly Arranged MIMO Antenna. , 2019, , .		7
123	A Novel Finger-Controlled Passive RFID Tag Design for Humanâ€‘Machine Interaction. Sensors, 2019, 19, 5125.	3.8	7
124	Test Reduction for Power Density Emitted by Handset mmWave Antenna Arrays. IEEE Access, 2021, 9, 23127-23138.	4.2	7
125	A Side-Loaded-Metal Decoupling Method for 2 \times N Patch Antenna Arrays. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 668-672.	4.0	7
126	Wideband Low-Sidelobe Slot Array Antenna With Compact Tapering Feeding Network for E-Band Wireless Communications. IEEE Transactions on Antennas and Propagation, 2022, 70, 2676-2685.	5.1	7

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127	Modified Rhombic Monopole Antenna for Low Loss Frequency Notched UWB Applications. Journal of Electromagnetic Waves and Applications, 2009, 23, 361-368.	1.6	6
128	Direct force producing uniform ultra-thin chitosan films by atomic force microscopy. RSC Advances, 2012, 2, 2732.	3.6	6
129	An Investigation into the Formation of Annular Aggregates of Human Islet Amyloid Polypeptide on Tantalum Oxide Surfaces. Chemistry - A European Journal, 2012, 18, 2493-2497.	3.3	6
130	Investigation of User Effects on Mobile Phased Antenna Array from 5 to 6 GHz. , 2018, , .		6
131	User body effects on mobile antennas and wireless systems of 5G communication. , 2020, , .		6
132	Evaluating iron remediation with limestone using spectral induced polarization and microscopic techniques. Science of the Total Environment, 2021, 800, 149641.	8.0	6
133	The Migration and Deposition Behaviors of Montmorillonite and Kaolinite Particles in a Two-Dimensional Micromodel. Materials, 2022, 15, 855.	2.9	6
134	Rotational dynamics and transition mechanisms of surface-adsorbed proteins. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2020242119.	7.1	6
135	Low profile and compact size coplanar UWB antenna working from 2.8 GHz to over 40 GHz. Microwave and Optical Technology Letters, 2009, 51, 408-411.	1.4	5
136	TRANSIENT RESPONSES OF SOME ANTENNAS UNDER THE IMPACT OF AN INTENTIONALLY INCIDENT HIGH-POWER ELECTROMAGNETIC PULSE. Progress in Electromagnetics Research, 2010, 105, 365-381.	4.4	5
137	Diagonal antenna-chassis mode for wideband LTE MIMO antenna arrays in mobile handsets. , 2013, , .		5
138	Design of an Absorptive Fabryâ€‘Perot Polarizer and Its Application. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1352-1356.	4.0	5
139	GIS-based soil planar slide susceptibility mapping using logistic regression and neural networks: a typical red mudstone area in southwest China. Geomatics, Natural Hazards and Risk, 2021, 12, 852-879.	4.3	5
140	Multiâ€‘mode dualâ€‘polarised cavity backed patch antenna array for 5G mobile devices. IET Microwaves, Antennas and Propagation, 2021, 15, 280-288.	1.4	5
141	Monitoring and Quantitative Human Risk Assessment of Municipal Solid Waste Landfill Using Integrated Satelliteâ€‘UAVâ€‘Ground Survey Approach. Remote Sensing, 2021, 13, 4496.	4.0	5
142	Diagonal Chassis Mode for mobile handset LTE MIMO antennas and its application to correlation reduction. , 2012, , .		4
143	Impact of size and decoupling element on some fundamental compact MIMO antennas. , 2014, , .		4
144	Application of numerical dispersion compensation of the Yee-FDTD algorithm on elongated domains. , 2017, , .		4

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145	Conceptual design and optimization of scramjet engines using the exergy method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	4
146	Numerical Modeling of Ultrawideband Propagation Along a Wind Turbine Blade. IEEE Transactions on Antennas and Propagation, 2018, 66, 6570-6579.	5.1	4
147	A Novel Lens Antenna Design Based on a Bed of Nails Metasurface for New Generation Mobile Devices. , 2020, , .		4
148	Dual S- and X-Band Shared Aperture Antenna for Nano-Satellite Applications. , 2021, , .		4
149	Hybrid Switchable Phased Array with p-i-n Diodes for 5G Mobile Terminals. , 2021, , .		4
150	Antenna Design for Diversity and MIMO Application. , 2015, , 1-43.		4
151	Chemically Tunable Aspect Ratio Control and Laser Refrigeration of Hexagonal Sodium Yttrium Fluoride Upconverting Materials. Crystal Growth and Design, 2022, 22, 3605-3612.	3.0	4
152	Modified Vivaldi antenna with improved gain and phase center stability. , 2016, , .		3
153	Antenna mutual coupling effect on MIMO-OFDM system in the presence of phase noise. , 2017, , .		3
154	Finger Ring Phased Antenna Array for 5G IoT and Sensor Networks at 28 GHz. , 2018, , .		3
155	A Low-Profile Patch Antenna With Monopole-Like Radiation Patterns. , 2019, , .		3
156	Mutual Coupling Reduction of Slot Array Antenna for 5G Millimeter-wave Handset. , 2019, , .		3
157	Design of an Absorber for Large Incident Angles with Antenna Reciprocity. , 2019, , .		3
158	MEMS Tunable Frame Antennas Enabling Carrier Aggregation at 600 Mhz. IEEE Access, 2020, 8, 98705-98715.	4.2	3
159	A Body-Blockage Analysis and Comparison Between Humans and a Full-Body Phantom: Using Measurements at 28 GHz. IEEE Antennas and Propagation Magazine, 2021, , 2-13.	1.4	3
160	Parallel realistic visualization of particle-based fluid. Computer Animation and Virtual Worlds, 2021, 32, e2019.	1.2	3
161	Discrete element modeling of shear wave propagation in carbonate precipitate-cemented particles. Acta Geotechnica, 2022, 17, 2633-2649.	5.7	3
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