

# Zhijun Zhang

## List of Publications by Citations

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246  
papers

4,831  
citations

35  
h-index

53  
g-index

300  
ext. papers

6,475  
ext. citations

3.9  
avg, IF

6.24  
L-index

#	Paper	IF	Citations
246	Near-Optimal Beam Selection for Beamspace MmWave Massive MIMO Systems. <i>IEEE Communications Letters</i> , <b>2016</b> , 20, 1054-1057	3.8	154
245	Axial Ratio Bandwidth Enhancement of 60-GHz Substrate Integrated Waveguide-Fed Circularly Polarized LTCC Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 4619-4626	4.9	136
244	A Compact Hepta-Band Loop-Inverted F Reconfigurable Antenna for Mobile Phone. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 389-392	4.9	128
243	A Dual-Polarization Slot Antenna Using a Compact CPW Feeding Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 191-194	3.8	118
242	Compact 5G MIMO Mobile Phone Antennas With Tightly Arranged Orthogonal-Mode Pairs. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 6364-6369	4.9	112
241	A Wideband Sequential-Phase Fed Circularly Polarized Patch Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 3890-3893	4.9	92
240	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2702-2710	4.9	91
239	Compact Azimuthal Omnidirectional Dual-Polarized Antenna Using Highly Isolated Colocated Slots. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 4037-4045	4.9	83
238	Polarization Reconfigurable Slot Antenna With a Novel Compact CPW-to-Slotline Transition for WLAN Application. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 252-255	3.8	79
237	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 1443-1447	4.9	75
236	Design of a Wideband Horizontally Polarized Omnidirectional Printed Loop Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 49-52	3.8	70
235	Wideband 5G MIMO Antenna With Integrated Orthogonal-Mode Dual-Antenna Pairs for Metal-Rimmed Smartphones. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2494-2503	4.9	70
234	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 562-565	3.8	65
233	<b>2011</b> ,		63
232	Compact Heptaband Reconfigurable Loop Antenna for Mobile Handset. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 1162-1165	3.8	58
231	Self-Decoupled MIMO Antenna Pair With Shared Radiator for 5G Smartphones. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 3423-3432	4.9	58
230	Indocyanine Green Loaded Magnetic Carbon Nanoparticles for Near Infrared Fluorescence/Magnetic Resonance Dual-Modal Imaging and Photothermal Therapy of Tumor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9484-9495	9.5	53

229	A Compact Wideband Microstrip Crossover. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2012</b> , 22, 254-256	2.6	53
228	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2005</b> , 53, 1813-1818	4.9	52
227	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2002</b> , 50, 750-758	4.9	52
226	Dual-Band Circularly Polarized Stacked Annular-Ring Patch Antenna for GPS Application. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 49-52	3.8	50
225	Low-Profile Planar Tripolarization Antenna for WLAN Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 83-86	3.8	47
224	Multifunctional nanotheranostic gold nanocages for photoacoustic imaging guided radio/photodynamic/photothermal synergistic therapy. <i>Acta Biomaterialia</i> , <b>2019</b> , 84, 328-338	10.8	44
223	A Wideband High-Isolated Dual-Polarized Patch Antenna Using Two Different Balun Feedings. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 1617-1619	3.8	43
222	A Novel Null Scanning Antenna Using Even and Odd Modes of a Shorted Patch. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 1903-1909	4.9	43
221	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2290-2295	4.9	42
220	A Wideband Isotropic Radiated Planar Antenna Using Sequential Rotated L-Shaped Monopoles. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 1461-1464	4.9	42
219	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 4222-4228	4.9	41
218	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2004</b> , 52, 914-922	4.9	40
217	<b>2017</b> ,		39
216	Generation of OAM Radio Waves Using Circular Vivaldi Antenna Array. <i>International Journal of Antennas and Propagation</i> , <b>2013</b> , 2013, 1-7	1.2	38
215	Dual-Band Circularly Polarized Rotated Patch Antenna With a Parasitic Circular Patch Loading. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 492-495	3.8	37
214	Isotropic Radiation From a Compact Planar Antenna Using Two Crossed Dipoles. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1338-1341	3.8	36
213	Ultra-Compact Three-Port MIMO Antenna With High Isolation and Directional Radiation Patterns. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 1545-1548	3.8	35
212	Design of Omnidirectional Dual-Polarized Antenna in Slender and Low-Profile Column. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2323-2326	4.9	35

211	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 3511-3518	4.9	35
210	The effect of surface charge on the cytotoxicity and uptake of carbon quantum dots in human umbilical cord derived mesenchymal stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 171, 241-249 <sup>6</sup>		34
209	HP-ECD Functionalized FeO/CNPs-Based Theranostic Nanoplatfrom for pH/NIR Responsive Drug Release and MR/NIRFL Imaging-Guided Synergetic Chemo/Photothermal Therapy of Tumor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 33867-33878	9.5	34
208	Narrow-Width Periodic Leaky-Wave Antenna Array for Endfire Radiation Based on Hansen-Woodyard Condition. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 6393-6396	4.9	33
207	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 672-682	4.9	32
206	Decoupling Between Extremely Closely Spaced Patch Antennas by Mode Cancellation Method. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 3074-3083	4.9	32
205	A Dual-Resonant Shorted Patch Antenna for Wearable Application in 430 MHz Band. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 6195-6200	4.9	31
204	Dual-Mode Loop Antenna With Compact Feed for Polarization Diversity. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 95-98	3.8	31
203	A Tripolarization Antenna Fed by Proximity Coupling and Probe. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2009</b> , 8, 465-467	3.8	31
202	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2002</b> , 50, 742-749	4.9	31
201	Planar Printed Multi-Resonant Antenna for Octa-Band WWAN/LTE Mobile Handset. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 1734-1737	3.8	30
200	Utilization of a lateral flow colloidal gold immunoassay strip based on surface-enhanced Raman spectroscopy for ultrasensitive detection of antibiotics in milk. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 197, 107-113	4.4	30
199	A Novel Low-Profile Hepta-Band Handset Antenna Using Modes Controlling Method. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 799-804	4.9	29
198	A unified thermostat scheme for efficient configurational sampling for classical/quantum canonical ensembles via molecular dynamics. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 034109	3.9	29
197	Quasiclassical trajectory study of H+SiH4 reactions in full-dimensionality reveals atomic-level mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 13180-5	11.5	29
196	A Dual Circularly Polarized Waveguide Antenna With Bidirectional Radiations of the Same Sense. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 480-484	4.9	28
195	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 3864-3868	4.9	28
194	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2914-2921	4.9	28

193	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 776-783	4.9	28
192	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 3450-3457	4.9	28
191	3D bioprinted neural tissue constructs for spinal cord injury repair. <i>Biomaterials</i> , <b>2021</b> , 272, 120771	15.6	28
190	Fast ray tracing procedure using space division with uniform rectangular grid. <i>Electronics Letters</i> , <b>2000</b> , 36, 895	1.1	27
189	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 683-691	4.9	26
188	Tightly arranged orthogonal mode antenna for 5G MIMO mobile terminal. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 1751-1756	1.2	26
187	A Circularly Polarized Pattern Diversity Antenna for Hemispherical Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5365-5369	4.9	26
186	A Hemispherical 3-D Null Steering Antenna for Circular Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 803-806	3.8	25
185	Low-Profile EndFire Leaky-Wave Antenna With Air Media. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1086-1092	4.9	25
184	Compact Co-Horizontally Polarized Full-Duplex Antenna With Omnidirectional Patterns. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 1154-1158	3.8	25
183	A Compact Dual-Mode Metamaterial-Based Loop Antenna for Pattern Diversity. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 394-397	3.8	25
182	A Compact Eighteen-Port Antenna Cube for MIMO Systems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 445-455	4.9	25
181	Monostatic Copolarized Simultaneous Transmit and Receive (STAR) Antenna by Integrated Single-Layer Design. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 472-476	3.8	24
180	Chondroinductive factor-free chondrogenic differentiation of human mesenchymal stem cells in graphene oxide-incorporated hydrogels. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 908-917	7.3	24
179	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5394-5399	4.9	24
178	Path integral Liouville dynamics: Applications to infrared spectra of OH, water, ammonia, and methane. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 034307	3.9	24
177	Low-Profile and Wideband Microstrip Antenna Using Quasi-Periodic Aperture and Slot-to-CPW Transition. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 632-637	4.9	24
176	Promoting tendon to bone integration using graphene oxide-doped electrospun poly(lactic-co-glycolic acid) nanofibrous membrane. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 1835-1847 <sup>23</sup>	7.3	23

175	Horizontally Polarized Omnidirectional Antenna Array Using Cascaded Cavities. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 5454-5459	4.9	23
174	Broadband and Low-Profile Microstrip Antenna Using Strip-Slot Hybrid Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 3118-3121	3.8	23
173	Air-Filled Long Slot Leaky-Wave Antenna Based on Folded Half-Mode Waveguide Using Silicon Bulk Micromachining Technology for Millimeter-Wave Band. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 3409-3418	4.9	22
172	A Low-Cost Dual-Polarized Array Antenna Etched on a Single Substrate. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 265-268	3.8	22
171	A Wideband Dual-Polarized Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 1010-1013	3.8	22
170	A Bidirectional Endfire Array With Compact Antenna Elements for Coal Mine/Tunnel Communication. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 342-345	3.8	22
169	A Broadband Patch Antenna With Tripolarization Using Quasi-Cross-Slot and Capacitive Coupling Feed. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 832-835	3.8	22
168	An Endfire Beam-Switchable Antenna Array Used in Vehicular Environment. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 195-198	3.8	22
167	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2003</b> , 51, 2926-2935	4.9	22
166	Ray tracing method for propagation models in wireless communication systems. <i>Electronics Letters</i> , <b>2000</b> , 36, 464	1.1	22
165	60-GHz Air Substrate Leaky-Wave Antenna Based on MEMS Micromachining Technology. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2016</b> , 6, 1656-1662	1.7	21
164	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 3165-3173	4.9	21
163	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 850-853	3.8	21
162	Hyaluronic Acid-Modified Au-Ag Alloy Nanoparticles for Radiation/Nanozyme/Ag Multimodal Synergistically Enhanced Cancer Therapy. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 1756-1765	6.3	20
161	A Fixed-Beam Leaky-Wave Cavity-Backed Slot Antenna Manufactured by Bulk Silicon MEMS Technology. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4399-4405	4.9	20
160	Design of Dual-Polarized Monopole-Slot Antenna With Small Volume and High Isolation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2511-2514	4.9	20
159	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 2418-2424	4.9	20
158	A BIDIRECTIONAL CIRCULARLY POLARIZED ARRAY OF THE SAME SENSE BASED ON CRLH TRANSMISSION LINE. <i>Progress in Electromagnetics Research</i> , <b>2013</b> , 141, 537-552	3.8	20

157	Design and development of multiband coaxial continuous transverse stub (CTS) antenna arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2004</b> , 52, 2180-2184	4.9	20
156	Circularly Polarized 2 Bit Reconfigurable Beam-Steering Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2416-2421	4.9	20
155	Omnidirectional Dual-Polarized Antenna With Sabre-Like Structure. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 3221-3225	4.9	19
154	HBC-nanofiber hydrogel scaffolds with 3D printed internal microchannels for enhanced cartilage differentiation. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 6115-6127	7.3	19
153	All-Metal Antenna Array Based on Microstrip Line Structure. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 351-355	4.9	19
152	A Waveguide Antenna With Bidirectional Circular Polarizations of the Same Sense. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 559-562	3.8	19
151	Low-Sidelobe Air-Filled Slot Array Fabricated Using Silicon Micromachining Technology for Millimeter-Wave Application. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4067-4074	4.9	19
150	Dual Linearly Polarized Microstrip Antenna Using a Slot-Loaded TM <sub>50</sub> Mode. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 2344-2348	3.8	19
149	2-D Planar Scalable Dual-Polarized Series-Fed Slot Antenna Array Using Single Substrate. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2280-2283	4.9	18
148	Stationary state distribution and efficiency analysis of the Langevin equation via real or virtual dynamics. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 184104	3.9	18
147	A Beam-Switching Antenna Array With Shaped Radiation Patterns. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 818-821	3.8	18
146	A Bidirectional High-Gain Cascaded Ring Antenna for Communication in Coal Mine. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 761-764	3.8	18
145	Long-term in vivo CT tracking of mesenchymal stem cells labeled with Au@BSA@PLL nanotracers. <i>Nanoscale</i> , <b>2019</b> , 11, 20932-20941	7.7	18
144	A Low-Cost Wideband Circularly Polarized Slot Array With Integrated Feeding Network and Reduced Height. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 222-225	3.8	17
143	An Open Cavity Leaky-Wave Antenna With Vertical-Polarization Endfire Radiation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 3455-3460	4.9	17
142	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 594-601	4.9	17
141	Design of a low-cost 2-D beam-steering antenna using ferroelectric material and CTS technology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2001</b> , 49, 1000-1003	4.1	17
140	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 1688-1696	4.9	17

- 139 Low-Cost Compact Circularly Polarized Dual-Layer PIFA for Active RFID Reader. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 681-686 4.9 17
- 138 Wideband Decoupling of Integrated Slot Antenna Pairs for 5G Smartphones. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 2386-2391 4.9 17
- 137 CT/NIRF dual-modal imaging tracking and therapeutic efficacy of transplanted mesenchymal stem cells labeled with Au nanoparticles in silica-induced pulmonary fibrosis. *Journal of Materials Chemistry B*, **2020**, 8, 1713-1727 7.3 16
- 136 A Quadband Antenna With Reconfigurable Feedings. *IEEE Antennas and Wireless Propagation Letters*, **2009**, 8, 1069-1071 3.8 16
- 135 Coaxial continuous transverse stub (CTS) array. *IEEE Microwave and Wireless Components Letters*, **2001**, 11, 489-491 2.6 16
- 134 . *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 730-737 4.9 16
- 133 A Planar Wideband Dual-Polarized Array for Active Antenna System. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 544-547 3.8 15
- 132 . *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 1461-1464 3.8 15
- 131 Accurate quantum mechanical study of the Renner-Teller effect in the singlet CH<sub>2</sub>. *Journal of Chemical Physics*, **2011**, 135, 154303 3.9 15
- 130 New phase shifters and phased antenna array designs based on ferroelectric materials and CTS technologies. *IEEE Transactions on Microwave Theory and Techniques*, **2001**, 49, 2547-2553 4.1 15
- 129 Unified Efficient Thermostat Scheme for the Canonical Ensemble with Holonomic or Isokinetic Constraints via Molecular Dynamics. *Journal of Physical Chemistry A*, **2019**, 123, 6056-6079 2.8 14
- 128 CT/Bioluminescence Dual-Modal Imaging Tracking of Mesenchymal Stem Cells in Pulmonary Fibrosis. *Small*, **2019**, 15, e1904314 11 14
- 127 Efficient quantum calculation of the vibrational states of acetylene. *Chemical Physics*, **2012**, 400, 1-7 2.3 14
- 126 Planar Air-Filled Terahertz Antenna Array Based on Channelized Coplanar Waveguide Using Hierarchical Silicon Bulk Micromachining. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 5318-5325 4.9 14
- 125 . *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 4189-4194 4.9 13
- 124 A Broadband and High-Gain Endfire Antenna Array Fed by Air-Substrate Parallel Strip Line. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 5717-5722 4.9 13
- 123 A Millimeter-Wave Micromachined Air-Filled Slot Antenna Fed by Patch. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2017**, 7, 1683-1690 1.7 13
- 122 A Bidirectional Array of the Same Left-Handed Circular Polarization Using a Special Substrate. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 1543-1546 3.8 13



121	Microstrip-Fed Surface-Wave Antenna for Endfire Radiation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 580-584	4.9	13
120	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 4466-4474	4.9	13
119	Compact all-metallic cavity-cascaded antenna. <i>Electronics Letters</i> , <b>2016</b> , 52, 413-414	1.1	12
118	Wideband tri-port MIMO antenna with compact size and directional radiation pattern. <i>Electronics Letters</i> , <b>2014</b> , 50, 1261-1262	1.1	12
117	Design of a Ring Probe-Fed Metallic Cavity Antenna for Satellite Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 4836-4839	4.9	12
116	Dual-port planar MIMO antenna with ultra-high isolation and orthogonal radiation patterns. <i>Electronics Letters</i> , <b>2015</b> , 51, 7-8	1.1	12
115	A compact DVB-H antenna with varactor-tuned matching circuit. <i>Microwave and Optical Technology Letters</i> , <b>2010</b> , 52, 1786-1789	1.2	12
114	Dual-Polarized, High-Gain, and Low-Profile Magnetic Current Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 1312-1317	4.9	12
113	Bidirectional same-sense circularly polarized antenna using slot-coupled back-to-back patches. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 645-648	1.2	11
112	Circularly Polarized Patch-Helix Hybrid Antenna With Small Ground. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 361-364	3.8	11
111	A Bidirectional Left-Hand Circularly Polarized Antenna Using Dual Rotated Patches. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 2044-2047	1.2	11
110	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 717-720	3.8	11
109	High-Gain Leaky-Wave Endfire Antenna Based on Hansen-Woodyard Condition. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 2155-2159	3.8	10
108	A Simplified Hemispherical 2-D Angular Space Null Steering Approach for Linearly Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 1628-1631	3.8	10
107	DESIGN OF A DUALBAND OMNIDIRECTIONAL PLANAR MICROSTRIP ANTENNA ARRAY. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 126, 101-120	3.8	10
106	Dual-Mode Compression of Dipole Antenna by Loading Electrically Small Loop Resonator. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 3243-3247	4.9	10
105	Experimental Verification of Guided-Wave Lumped Circuits Using Waveguide Metamaterials. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	9
104	Design of a Coplanar Integrated Microstrip Antenna for GPS/ITS Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 458-461	3.8	9

103	High-Permittivity Substrate Multiresonant Antenna Inside Metallic Cover of Laptop Computer. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 1092-1095	3.8	9
102	Kinetic study on the H + SiH <sub>4</sub> abstraction reaction using an ab initio potential energy surface. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 024315	3.9	9
101	Design of Ultrawideband Mobile Phone Stubby Antenna (824 MHz-6 GHz). <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 2107-2111	4.9	9
100	Linear Multibeam Transmitarray Based on the Sliding Aperture Technique. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3948-3958	4.9	9
99	A Pattern-Reconfigurable Aircraft Antenna With Low Wind Drag. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4397-4405	4.9	8
98	Wideband Triangular-Cavity-Cascaded Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 2840-2847	4.9	8
97	A Dual-Beam Eight-Element Antenna Array With Compact CPWG Crossover Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1269-1272	3.8	8
96	Compact Co-polarized PIFAs for Full-duplex Application Based on CM/DM Cancellation Theory. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	8
95	All-Metal Centipede-Like End-Fire Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1905-1909	3.8	8
94	Near-infrared-persistent luminescence/bioluminescence imaging tracking of transplanted mesenchymal stem cells in pulmonary fibrosis. <i>Biomaterials Science</i> , <b>2020</b> , 8, 3095-3105	7.4	7
93	Dual-Beam Periodic Leaky-Wave Antenna With Reduced Beam Squinting. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 2533-2537	3.8	7
92	Air Substrate Slot Array Based on Channelized Coplanar Waveguide. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 892-895	3.8	7
91	Design of a three-dimensional folded slot antenna with quasi-isotropic radiation pattern <b>2015</b> ,		7
90	Wideband unidirectional circularly polarised slot array with integrated feeding network. <i>Electronics Letters</i> , <b>2014</b> , 50, 1039-1040	1.1	7
89	A compact CPW-FED circular patch antenna with pattern and polarization diversities. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 968-972	1.2	7
88	A Novel Reconfigurable Miniaturized Phase Shifter for 2-D Beam Steering 2-Bit Array Applications. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2021</b> , 31, 381-384	2.6	7
87	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 584-592	4.9	6
86	Compact Single-Feed Dual-Mode Antenna for Active RFID Tag Application. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 5190-5194	4.9	6

85	Rectangular Dielectric Rod Antenna Fed by Air-Substrate Parallel Strip Line. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6308-6316	4.9	6
84	A bidirectional waveguide antenna with polarization reconfigurable capability. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 422-427	1.2	6
83	Dual-polarised monopole-slot co-located MIMO antenna for small-volume terminals. <i>Electronics Letters</i> , <b>2011</b> , 47, 1259	1.1	6
82	Channel capacity study of polarization reconfigurable slot antenna for indoor MIMO system. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 1209-1213	1.2	6
81	3D tetrahedron ray tracing algorithm. <i>Electronics Letters</i> , <b>2001</b> , 37, 334	1.1	6
80	A Dual-Environment Active RFID Tag Antenna Mountable on Metallic Objects. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 1759-1762	3.8	5
79	Design of A CPW-FED C-Shaped Slot Array Antenna for Coal Mine/Tunnel Applications. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 1784-1789	1.2	5
78	ISM 433-MHz Miniaturized Antenna Using the Shielding Box of Mobile Terminals. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 330-333	3.8	5
77	Experimental Verification of the Hybrid Smart Antenna Algorithm With Modulated Waveforms. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2009</b> , 8, 236-239	3.8	5
76	An electrically large circularly polarized metallic cavity antenna with wide beamwidth for satellite applications <b>2012</b> ,		5
75	New ab Initio Potential Energy Surfaces for the Renner-Teller Coupled 11A? and 11A?? States of CH <sub>2</sub> . <i>Advances in Physical Chemistry</i> , <b>2012</b> , 2012, 1-12		5
74	Integrated Dual-Band Antenna System Design Incorporating Cell Phone Bezel. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2008</b> , 7, 585-587	3.8	5
73	A Reconfigurable Reflectarray Antenna with an 8- $\mu$ m-thick Layer of Liquid Crystal. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	5
72	One-pot preparation of zwitterionic graphene nanosheets with exceptional redispersibility and its application in pickering emulsions. <i>Carbon</i> , <b>2020</b> , 157, 448-456	10.4	5
71	A Grooved Half-Mode Waveguide Leaky-Wave Antenna for Vertically-Polarized Endfire Radiation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	5
70	Air Substrate 2-D Planar Cavity Antenna With Chessboard Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 321-324	3.8	4
69	Circularly Polarized Beam-Switching Antenna Array Design for Directional Networks. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 604-607	3.8	4
68	Improved Main-Beam Nulling Through Single Switchable Displaced Element for Small Scale Adaptive Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2522-2530	4.9	4

67	HEXA-BAND HIGH-ISOLATED DUAL-POLARIZED LOOP ANTENNA FOR MOBILE COMMUNICATIONS. <i>Progress in Electromagnetics Research Letters</i> , <b>2015</b> , 52, 121-128	0.5	4
66	Wideband substrate integrated waveguide cavity-backed spiral-shaped patch antenna. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 332-337	1.2	4
65	A Dual-Loop Antenna in a Cage Structure for Horizontally Polarized Omnidirectional Pattern. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2013</b> , 12, 1252-1255	3.8	4
64	Analysis and design of tapered slot antenna for ultra-wideband applications. <i>Tsinghua Science and Technology</i> , <b>2009</b> , 14, 1-6	3.4	4
63	A Two-Port Microstrip Antenna with High Isolation for Wi-Fi 6 and Wi-Fi 6E Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	4
62	A leap-frog algorithm-based efficient unified thermostat scheme for molecular dynamics. <i>Chinese Science Bulletin</i> , <b>2018</b> , 63, 3467-3483	2.9	4
61	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4077-4081	4.9	4
60	pH-Triggered Aggregation of Gold Nanoparticles for Enhanced Labeling and Long-Term CT Imaging Tracking of Stem Cells in Pulmonary Fibrosis Treatment. <i>Small</i> , <b>2021</b> , 17, e2101861	11	4
59	A Slender FabryPerot Antenna for High-Gain Horizontally Polarized Omnidirectional Radiation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 526-531	4.9	4
58	Design of a Stacked Co-Polarized Full-Duplex Antenna with Broadside Radiation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	4
57	Millimeter-Wave Planar Antenna Array Based on Modified Bulk Silicon Micromachining Technology. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7676-7681	4.9	3
56	CT/MR Dual-Modality Imaging Tracking of Mesenchymal Stem Cells Labeled with a Au/GdNC@SiO Nanotracer in Pulmonary Fibrosis.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 2489-2498	4.1	3
55	Multiple Fan-Beam Antenna Array for Massive MIMO Applications. <i>Journal of Communications and Information Networks</i> , <b>2018</b> , 3, 38-42		3
54	Compact helical antenna with small ground fed by spiral-shaped microstrip line. <i>Electronics Letters</i> , <b>2014</b> , 50, 336-338	1.1	3
53	Bidirectional rectangular ring antenna for coal mine/tunnel communication. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 1412-1416	1.2	3
52	A novel concurrent dual-mode class-e PA using dual-band stub tapped transformer. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 171-174	1.2	3
51	Compact hybrid CPW-FED slot antenna array with pattern diversity. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 884-888	1.2	3
50	Facile engineering of ECM-mimetic injectable dual crosslinking hydrogels with excellent mechanical resilience, tissue adhesion, and biocompatibility. <i>Journal of Materials Chemistry B</i> , <b>2021</b> ,	7.3	3

49	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5916-5923	4.9	3
48	Wideband Dual-Polarized Endfire Antenna Based on Compact Open-Ended Cavity for 5G mm-Wave Mobile Phones. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
47	High-gain and low-profile microstrip antenna using slot-loaded TM <sub>50</sub> mode <b>2018</b> ,		3
46	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 9214-9225	6.8	2
45	A compact broadside/conical circularly polarized antenna for pattern diversity design <b>2014</b> ,		2
44	A planar reconfigurable antenna with bidirectional end-fire and broadside radiation patterns. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 1942-1946	1.2	2
43	Right ventricular strain analysis from three-dimensional echocardiography by using temporally diffeomorphic motion estimation. <i>Medical Physics</i> , <b>2014</b> , 41, 122902	4.4	2
42	A wideband circularly polarized metallic cavity antenna fed with an L-shaped probe. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 2398-2403	1.2	2
41	A LEAKY WAVE SLOT ANTENNA ARRAY USING SINGLE METAL LAYER WITH AZIMUTHALLY OMNIDIRECTIONAL PATTERN. <i>Progress in Electromagnetics Research</i> , <b>2013</b> , 140, 199-212	3.8	2
40	Design and optimization of antenna arrays for 60 GHz hybrid smart antenna systems with consideration of inter-element electromagnetic interactions <b>2011</b> ,		2
39	<b>2011</b> ,		2
38	Three designs of polarization diversity antenna for WLAN application <b>2011</b> ,		2
37	A wideband pattern reconfigurable antenna with compact switchable feed structure <b>2010</b> ,		2
36	Experimental evaluation of the Hybrid Smart Antenna system with directional array elements. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , <b>2009</b> ,		2
35	A reconfigurable compact antenna for DVBH application <b>2008</b> ,		2
34	An endfire phased array used in Wireless Access for Vehicular Environments (WAVE) <b>2008</b> ,		2
33	Development of a new shooting-and-bouncing ray (SBR) tracing method that avoids ray double counting		2
32	A Broadband Dual-Antenna Pair Based on Half-Open Cavity with Horizontally-Polarized Radiation for Wi-Fi 6/6E Application. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	2

31	Fabrication and Measurement Techniques of Wearable and Flexible Antennas. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , <b>2014</b> , 7-23		2
30	Highly resilient, biocompatible, and antibacterial carbon nanotube/hydroxybutyl chitosan sponge dressing for rapid and effective hemostasis. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 9754-9763	7.3	2
29	An experimental system for generating and identifying tunable orbital angular momentum in radio <b>2016</b> ,		2
28	A Novel Modified Silicon Micromachining Process with Near-Zero Dielectric Loss for High-Efficiency Antenna Design up to Terahertz Band <b>2019</b> ,		2
27	Enhanced and long-term CT imaging tracking of transplanted stem cells labeled with temperature-responsive gold nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 2854-2865	7.3	2
26	In vivo CT imaging tracking of stem cells labeled with Au nanoparticles. <i>View</i> ,20200119	7.8	2
25	Antenna Matching <b>2017</b> , 28-64		1
24	A novel 1-to-3 feeding network with radiation contribution. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 2242-2245	1.2	1
23	Magnetic current synthesis using cavity structures <b>2017</b> ,		1
22	A three-layer transmitarray element with 360° phase range <b>2015</b> ,		1
21	Metallic short backfire antenna with halved size and wideband characteristics. <i>Electronics Letters</i> , <b>2014</b> , 50, 907-908	1.1	1
20	A compact wideband quad-element planar antenna for WiMAX MIMO Application <b>2014</b> ,		1
19	A phased CPW-CTS array with reconfigurable NRI phase shifter for beam steering application <b>2013</b> ,		1
18	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 7085-7091	4.9	1
17	Triangular cavity for wideband antenna with large radiating aperture <b>2016</b> ,		1
16	Two designs of bidirectional same-sense circularly polarized antennas with cavity structures <b>2016</b> ,		1
15	Dual-layered metalens for polarization-agile orbital angular momentum waves <b>2016</b> ,		1
14	Subwavelength and low-profile element using metallic hole for reflected antenna array. <i>Electronics Letters</i> , <b>2019</b> , 55, 436-438	1.1	1

13	Linear high-gain bidirectional slot array fabricated by narrow bent metallic line. <i>Electronics Letters</i> , <b>2019</b> , 55, 981-982	1.1	1
12	A novel teaching platform design with CAI for EM education. <i>Computer Applications in Engineering Education</i> , <b>2018</b> , 26, 1318-1323	1.6	1
11	Improved oral delivery of insulin by PLGA nanoparticles coated with 5-cholanic acid conjugated glycol chitosan. <i>Biomedical Materials (Bristol)</i> , <b>2021</b> , 16,	3.5	1
10	Pattern synthesis for equal-gain coverage in air-to-ground communication. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 750-753	1.2	
9	External Antenna <b>2017</b> , 65-137		
8	Internal Antenna <b>2017</b> , 138-228		
7	Half-mode dielectric waveguide antenna fed by a micro-strip line with air media for endfire radiation. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 854-858	1.6	
6	Antenna Miniaturization in Mobile Communication Systems <b>2018</b> , 205-226		
5	Array of spatial power combination for wide angle sector coverage. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 2990-2993	1.2	
4	Propagation Modeling of Point Source Excited Magnetoinductive Waves Based on a New Plane Wave Expansion Approach. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-9	1.1	
3	External Antenna <b>2011</b> , 59-137		
2	A new feeding topology with internal 180° phase reversal for wideband series-fed slot array antennas. <i>Microwave and Optical Technology Letters</i> , <b>2021</b> , 63, 1477-1482	1.2	
1	Vertically Polarized 360° Azimuth Scanning Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	