

Zhenghe Feng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

228 papers	3,932 citations	33 h-index	53 g-index
322 ext. papers	5,073 ext. citations	2.9 avg, IF	5.82 L-index

#	Paper	IF	Citations
228	A Novel Dual-Band Printed Diversity Antenna for Mobile Terminals. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 2088-2096	4.9	141
227	Axial Ratio Bandwidth Enhancement of 60-GHz Substrate Integrated Waveguide-Fed Circularly Polarized LTCC Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4619-4626	4.9	136
226	A Compact Hepta-Band Loop-Inverted F Reconfigurable Antenna for Mobile Phone. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 389-392	4.9	128
225	A Dual-Polarization Slot Antenna Using a Compact CPW Feeding Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 191-194	3.8	118
224	Design and Linearization of Concurrent Dual-Band Doherty Power Amplifier With Frequency-Dependent Power Ranges. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2537-2546	4.1	117
223	A Wideband Sequential-Phase Fed Circularly Polarized Patch Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 3890-3893	4.9	92
222	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2702-2710	4.9	91
221	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3419-3432	4.1	89
220	A Broadband Doherty Power Amplifier Based on Continuous-Mode Technology. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 4505-4517	4.1	83
219	Compact Azimuthal Omnidirectional Dual-Polarized Antenna Using Highly Isolated Colocated Slots. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4037-4045	4.9	83
218	Polarization Reconfigurable Slot Antenna With a Novel Compact CPW-to-Slotline Transition for WLAN Application. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 252-255	3.8	79
217	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1443-1447	4.9	75
216	Design of a Wideband Horizontally Polarized Omnidirectional Printed Loop Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 49-52	3.8	70
215	Wideband 5G MIMO Antenna With Integrated Orthogonal-Mode Dual-Antenna Pairs for Metal-Rimmed Smartphones. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2494-2503	4.9	70
214	MIMO Mobile Handset Antenna Merging Characteristic Modes for Increased Bandwidth. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 2660-2667	4.9	64
213	Compact Asymmetrical T-Shaped Dielectric Resonator Antenna for Broadband Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 1611-1615	4.9	58
212	Compact Heptaband Reconfigurable Loop Antenna for Mobile Handset. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1162-1165	3.8	58

211	High frequency response of carbon nanotube thin film speaker in gases. <i>Journal of Applied Physics</i> , 2011 , 110, 084311	2.5	56
210	A Compact Wideband Microstrip Crossover. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 254-256	2.6	53
209	Dual-Band Circularly Polarized Stacked Annular-Ring Patch Antenna for GPS Application. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 49-52	3.8	50
208	Pattern and Polarization Diversity Antenna With High Isolation for Portable Wireless Devices. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 209-211	3.8	49
207	Low-Profile Planar Tripolarization Antenna for WLAN Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 83-86	3.8	47
206	Compact CPW-Fed Dielectric Resonator Antenna With Dual Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 544-547	3.8	46
205	A Wideband High-Isolated Dual-Polarized Patch Antenna Using Two Different Balun Feedings. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1617-1619	3.8	43
204	Enhanced Analysis and Design Method of Concurrent Dual-Band Power Amplifiers With Intermodulation Impedance Tuning. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 4544-4558	4.1	43
203	A Novel Null Scanning Antenna Using Even and Odd Modes of a Shorted Patch. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1903-1909	4.9	43
202	A Wideband Isotropic Radiated Planar Antenna Using Sequential Rotated L-Shaped Monopoles. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1461-1464	4.9	42
201	Dual-Band Circularly Polarized Rotated Patch Antenna With a Parasitic Circular Patch Loading. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 492-495	3.8	37
200	Isotropic Radiation From a Compact Planar Antenna Using Two Crossed Dipoles. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1338-1341	3.8	36
199	Ultra-Compact Three-Port MIMO Antenna With High Isolation and Directional Radiation Patterns. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1545-1548	3.8	35
198	Design of Omnidirectional Dual-Polarized Antenna in Slender and Low-Profile Column. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 2323-2326	4.9	35
197	A Four-Element Antenna System for Mobile Phones. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007 , 6, 655-658	3.8	35
196	Narrow-Width Periodic Leaky-Wave Antenna Array for Endfire Radiation Based on Hansen-Woodyard Condition. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6393-6396	4.9	33
195	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2628-2633	4.9	31
194	Dual-Mode Loop Antenna With Compact Feed for Polarization Diversity. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 95-98	3.8	31

193	A Tripolarization Antenna Fed by Proximity Coupling and Probe. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 465-467	3.8	31
192	Planar Printed Multi-Resonant Antenna for Octa-Band WWAN/LTE Mobile Handset. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1734-1737	3.8	30
191	A Novel Low-Profile Hepta-Band Handset Antenna Using Modes Controlling Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 799-804	4.9	29
190	Low Feedback Sampling Rate Digital Predistortion for Wideband Wireless Transmitters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 3528-3539	4.1	29
189	Linearization for Hybrid Beamforming Array Utilizing Embedded Over-the-Air Diversity Feedbacks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 5235-5248	4.1	29
188	A new array pattern synthesis algorithm using the two-step least-squares method. <i>IEEE Signal Processing Letters</i> , 2005 , 12, 250-253	3.2	27
187	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 683-691	4.9	26
186	A Circularly Polarized Pattern Diversity Antenna for Hemispherical Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5365-5369	4.9	26
185	A Dual-Band GaN MMIC Power Amplifier With Hybrid Operating Modes for 5G Application. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 228-230	2.6	25
184	A Fully Integrated C-Band GaN MMIC Doherty Power Amplifier With High Efficiency and Compact Size for 5G Application. <i>IEEE Access</i> , 2019 , 7, 71665-71674	3.5	25
183	A Hemispherical 3-D Null Steering Antenna for Circular Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 803-806	3.8	25
182	Compact Co-Horizontally Polarized Full-Duplex Antenna With Omnidirectional Patterns. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1154-1158	3.8	25
181	A Compact Eighteen-Port Antenna Cube for MIMO Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 445-455	4.9	25
180	Design of Compact Dual-Band Power Dividers With Frequency-Dependent Division Ratios Based on Multisection Coupled Line. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2013 , 3, 467-475	1.7	25
179	Microstrip Interdigital Hairpin Resonator With an Optimal Physical Length. <i>IEEE Microwave and Wireless Components Letters</i> , 2006 , 16, 672-674	2.6	25
178	Horizontally Polarized Omnidirectional Antenna Array Using Cascaded Cavities. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 5454-5459	4.9	23
177	Broadband and Low-Profile Microstrip Antenna Using Strip-Slot Hybrid Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 3118-3121	3.8	23
176	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> , 2017 , 65, 3409-3418	4.9	22

175	A Low-Cost Dual-Polarized Array Antenna Etched on a Single Substrate. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 265-268	3.8	22
174	A Wideband Dual-Polarized Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1010-1013	3.8	22
173	A Bidirectional Endfire Array With Compact Antenna Elements for Coal Mine/Tunnel Communication. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 342-345	3.8	22
172	A Broadband Patch Antenna With Tripolarization Using Quasi-Cross-Slot and Capacitive Coupling Feed. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 832-835	3.8	22
171	An Endfire Beam-Switchable Antenna Array Used in Vehicular Environment. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 195-198	3.8	22
170	60-GHz Air Substrate Leaky-Wave Antenna Based on MEMS Micromachining Technology. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2016 , 6, 1656-1662	1.7	21
169	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 3165-3173	4.9	21
168	A compact planar inverted-F antenna with a PBG-type ground plane for mobile communications. <i>IEEE Transactions on Vehicular Technology</i> , 2003 , 52, 483-489	6.8	21
167	A Fixed-Beam Leaky-Wave Cavity-Backed Slot Antenna Manufactured by Bulk Silicon MEMS Technology. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4399-4405	4.9	20
166	Design of Dual-Polarized Monopole-Slot Antenna With Small Volume and High Isolation. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2511-2514	4.9	20
165	Omnidirectional Dual-Polarized Antenna With Sabre-Like Structure. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 3221-3225	4.9	19
164	All-Metal Antenna Array Based on Microstrip Line Structure. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 351-355	4.9	19
163	Efficient Pruning Technique of Memory Polynomial Models Suitable for PA Behavioral Modeling and Digital Predistortion. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2290-2299	4.1	19
162	A Waveguide Antenna With Bidirectional Circular Polarizations of the Same Sense. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 559-562	3.8	19
161	Low-Sidelobe Air-Filled Slot Array Fabricated Using Silicon Micromachining Technology for Millimeter-Wave Application. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4067-4074	4.9	19
160	2-D Planar Scalable Dual-Polarized Series-Fed Slot Antenna Array Using Single Substrate. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 2280-2283	4.9	18
159	A Beam-Switching Antenna Array With Shaped Radiation Patterns. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 818-821	3.8	18
158	A Bidirectional High-Gain Cascaded Ring Antenna for Communication in Coal Mine. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 761-764	3.8	18

157	An Open Cavity Leaky-Wave Antenna With Vertical-Polarization Endfire Radiation. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3455-3460	4.9	17
156	Low Computational Complexity Digital Predistortion Based on Direct Learning With Covariance Matrix. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 4274-4284	4.1	16
155	Generating and Measuring Tunable Orbital Angular Momentum Radio Beams With Digital Control Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 899-902	4.9	16
154	A Quadband Antenna With Reconfigurable Feedings. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 1069-1071	3.8	16
153	Annular Column Loaded Cylindrical Dielectric Resonator Antenna for Wideband Conical Radiation. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5874-5878	4.9	15
152	An Energy-Efficient SiGe / SiGe Dual-Band Power Amplifier MMIC in 0.1- μm GaAs Process. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 530-532	2.6	15
151	Influence of a metallic enclosure on the S-parameters of microstrip photonic bandgap structures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2002 , 44, 324-328	2	14
150	Planar Air-Filled Terahertz Antenna Array Based on Channelized Coplanar Waveguide Using Hierarchical Silicon Bulk Micromachining. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5318-5325	4.9	14
149	A Compact Ka/Q Dual-Band GaAs MMIC Doherty Power Amplifier With Simplified Offset Lines for 5G Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 3110-3121	4.1	13
148	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4189-4194	4.9	13
147	A Broadband and High-Gain Endfire Antenna Array Fed by Air-Substrate Parallel Strip Line. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5717-5722	4.9	13
146	A Millimeter-Wave Micromachined Air-Filled Slot Antenna Fed by Patch. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017 , 7, 1683-1690	1.7	13
145	A compact wideband planar diversity antenna for mobile handsets. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 87-91	1.2	13
144	CAD models for asymmetrical, elliptical, cylindrical, and elliptical cone coplanar strip lines. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2000 , 48, 312-316	4.1	13
143	Compact all-metallic cavity-cascaded antenna. <i>Electronics Letters</i> , 2016 , 52, 413-414	1.1	12
142	Wideband tri-port MIMO antenna with compact size and directional radiation pattern. <i>Electronics Letters</i> , 2014 , 50, 1261-1262	1.1	12
141	Design of a Ring Probe-Fed Metallic Cavity Antenna for Satellite Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4836-4839	4.9	12
140	Dual-port planar MIMO antenna with ultra-high isolation and orthogonal radiation patterns. <i>Electronics Letters</i> , 2015 , 51, 7-8	1.1	12

139	A compact DVB-H antenna with varactor-tuned matching circuit. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 1786-1789	1.2	12
138	A new modeling technique for simulating 3-D arbitrary conductor-magnet structures for RFIC applications. <i>IEEE Transactions on Electron Devices</i> , 2005 , 52, 1354-1363	2.9	12
137	A Compact and Broadband Ka-band Asymmetrical GaAs Doherty Power Amplifier MMIC for 5G Communications 2018 ,		12
136	Bidirectional same-sense circularly polarized antenna using slot-coupled back-to-back patches. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 645-648	1.2	11
135	Systematic Crest Factor Reduction and Efficiency Enhancement of Dual-Band Power Amplifier Based Transmitters. <i>IEEE Transactions on Broadcasting</i> , 2017 , 63, 111-122	4.7	11
134	A Bidirectional Left-Hand Circularly Polarized Antenna Using Dual Rotated Patches. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 2044-2047	1.2	11
133	Diversity Measurements for On-Body Channels Using a Tri-Polarization Antenna at 2.45 GHz. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 1285-1288	3.8	11
132	Design and Simulation of Linear Series-fed Low-sidelobe Microstrip Antenna Array 2007 ,		11
131	High-Gain Leaky-Wave Endfire Antenna Based on Hansen-Woodyard Condition. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2155-2159	3.8	10
130	A Simplified Hemispherical 2-D Angular Space Null Steering Approach for Linearly Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1628-1631	3.8	10
129	Power Scalable Beam-Oriented Digital Predistortion for Compact Hybrid Massive MIMO Transmitters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 4994-5006	3.9	10
128	Multiband and Multimode Concurrent PA With Novel Intermodulation Tuning Network for Linearity Improvement. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 248-250	2.6	9
127	A robust and broadband digital predistortion utilizing negative feedback iteration 2018 ,		9
126	Design of a Coplanar Integrated Microstrip Antenna for GPS/ITS Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 458-461	3.8	9
125	High-Permittivity Substrate Multiresonant Antenna Inside Metallic Cover of Laptop Computer. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1092-1095	3.8	9
124	A novel hybrid planar SIW magic tee and monopulse antenna. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 686-689	1.2	9
123	Linear Multibeam Transmitarray Based on the Sliding Aperture Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3948-3958	4.9	9
122	A Pattern-Reconfigurable Aircraft Antenna With Low Wind Drag. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4397-4405	4.9	8

121	Wideband Triangular-Cavity-Cascaded Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 2840-2847	4.9	8
120	A Dual-Beam Eight-Element Antenna Array With Compact CPWG Crossover Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1269-1272	3.8	8
119	Experimental Investigation of New Radiating Mode in Rectangular Hybrid Dielectric Resonator Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 91-94	3.8	8
118	A Novel Ultra-Wideband Microstrip-Line Fed Wide-Slot Antenna Having Frequency Band-Notch Function 2007 ,		8
117	Design of Planar ESPAR Antenna by Using Sidelobe Reduction Algorithm 2007 ,		8
116	Dual-Beam Periodic Leaky-Wave Antenna With Reduced Beam Squinting. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2533-2537	3.8	7
115	Wideband unidirectional circularly polarised slot array with integrated feeding network. <i>Electronics Letters</i> , 2014 , 50, 1039-1040	1.1	7
114	A compact CPW-FED circular patch antenna with pattern and polarization diversities. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 968-972	1.2	7
113	A novel compact reconfigurable polarization and pattern antenna. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 2802-2805	1.2	7
112	Beam-Oriented Digital Predistortion for Hybrid Beamforming Array Utilizing Over-the-Air Diversity Feedbacks 2019 ,		6
111	Compact Single-Feed Dual-Mode Antenna for Active RFID Tag Application. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5190-5194	4.9	6
110	A bidirectional waveguide antenna with polarization reconfigurable capability. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 422-427	1.2	6
109	Channel capacity study of polarization reconfigurable slot antenna for indoor MIMO system. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 1209-1213	1.2	6
108	Novel switched sector beam planar UWB antenna. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 1185-1187	1.2	6
107	A Broadband Millimeter-Wave Continuous-Mode Class-F Power Amplifier Based on the Deembedded Transistor Model. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 609-612	2.6	5
106	Reduced Cost Digital Predistortion Only With In-Phase Feedback Signal. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 257-259	2.6	5
105	A Dual-Environment Active RFID Tag Antenna Mountable on Metallic Objects. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1759-1762	3.8	5
104	Design of A CPW-FED C-Shaped Slot Array Antenna for Coal Mine/Tunnel Applications. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 1784-1789	1.2	5

103	Investigation of a New Radiating Mode and the Traditional Dominant Mode in Rectangular Dielectric Resonator Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 909-912	3.8	5
102	ISM 433-MHz Miniaturized Antenna Using the Shielding Box of Mobile Terminals. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 330-333	3.8	5
101	Compact dual-polarized antenna combining printed monopole and half-slot antenna for MIMO applications. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		5
100	An electrically large circularly polarized metallic cavity antenna with wide beamwidth for satellite applications 2012 ,		5
99	Design of asymmetrical spurline filter for a high power sic MESFET class-E power amplifier. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 1650-1652	1.2	5
98	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 3132-3145	4.1	5
97	Multi-Stream Spatial Digital Predistortion for Fully-Connected Hybrid Beamforming Massive MIMO Transmitters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 68, 2998-3011	3.9	5
96	A Ka-Band Highly Linear Power Amplifier with a Linearization Bias Circuit 2019 ,		4
95	A 160 GHz High Output Power and High Efficiency Power Amplifier in a 130-nm SiGe BiCMOS Technology 2020 ,		4
94	Low-profile circularly polarised patching antenna with compact feeding network. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 410-415	1.6	4
93	Linearization of a Directional Modulation Transmitter Using Low-Complexity Cascaded Digital Predistortion. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 4467-4478	4.1	4
92	Improved Main-Beam Nulling Through Single Switchable Displaced Element for Small Scale Adaptive Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 2522-2530	4.9	4
91	Wideband substrate integrated waveguide cavity-backed spiral-shaped patch antenna. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 332-337	1.2	4
90	A Dual-Loop Antenna in a Cage Structure for Horizontally Polarized Omnidirectional Pattern. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1252-1255	3.8	4
89	Analysis and design of tapered slot antenna for ultra-wideband applications. <i>Tsinghua Science and Technology</i> , 2009 , 14, 1-6	3.4	4
88	A Novel Wide Beam Dual-band Dual-Polarization Stacked Microstrip - Dielectric Antenna 2007 ,		4
87	Accurate model for micromachined microwave planar spiral inductors. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2003 , 13, 229-238	1.5	4
86	A novel accurate PEEC-based 3D modeling technique for RF devices of arbitrary conductor-magnet structure. <i>Microwave and Optical Technology Letters</i> , 2003 , 38, 237-240	1.2	4

85	Dynamic Spatial Channel Assignment for Smart Antenna. <i>Wireless Personal Communications</i> , 1999 , 11, 79-87	1.9	4
84	A High-Efficiency 142-182-GHz SiGe BiCMOS Power Amplifier With Broadband Slotline-Based Power Combining Technique. <i>IEEE Journal of Solid-State Circuits</i> , 2021 , 1-1	5.5	4
83	A 24-29.5 GHz Voltage-Combined Doherty Power Amplifier Based on Compact Low-Loss Combiner. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	4
82	An Efficient Directional Modulation Transmitter With Novel Crest Factor Reduction Technique. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 554-556	2.6	3
81	A Robust and Scalable Harmonic Cancellation Digital Predistortion Technique for HF Transmitters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 2796-2807	4.1	3
80	A design methodology of envelope tracking power amplifier based on harmonic impedance tuning. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 639-642	1.2	3
79	Compact dielectric-resonator-on-patch antenna with bandwidth enhancement. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 66-71	1.2	3
78	A novel focusing lens conical horn antenna loaded with dielectric 2015 ,		3
77	Compact helical antenna with small ground fed by spiral-shaped microstrip line. <i>Electronics Letters</i> , 2014 , 50, 336-338	1.1	3
76	Small-Scale Variations of Cross-Polar Discrimination in Nakagami-m Fading Channels. <i>IEEE Communications Letters</i> , 2012 , 16, 1820-1823	3.8	3
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55	A Fully Integrated C-band GaN MMIC Doherty Power Amplifier with High Gain and High Efficiency for 5G Application 2019 ,		2
54	Concurrent dual-band digital predistortion implemented with reduced look-up-tables. <i>Electronics Letters</i> , 2017 , 53, 802-804	1.1	2
53	A planar reconfigurable antenna with bidirectional end-fire and broadside radiation patterns. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1942-1946	1.2	2
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39	A 160 GHz High Output Power and High DC-to-RF Efficiency Fundamental Oscillator in a 130-nm SiGe BiCMOS Process 2021 ,		2
38	A 250-310 GHz Power Amplifier with 15-dB Peak Gain in 130-nm SiGe BiCMOS Process for Terahertz Wireless System. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021 , 1-1	3.4	2
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28	Low sampling rate digital predistortion of power amplifier assisted by bandpass RF filter 2012 ,		1
27	Channel capacity estimation in TDMS-based MIMO measurements. <i>Tsinghua Science and Technology</i> , 2011 , 16, 371-376	3-4	1
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20	Real time measurement of VSWR with directional couplers		1
19	Multibeam plane array using modified Butler matrix circuits		1
18	A Wide-Band Wide-Beam Dielectric Resonator Antenna. <i>Recent Advances in Electrical and Electronic Engineering</i> , 2018 , 11, 397-401	0.3	1
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