

Zhi Ning Chen

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297
papers

8,470
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50
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81
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368
ext. papers

11,247
ext. citations

3.8
avg, IF

6.94
L-index

#	Paper	IF	Citations
297	Small Printed Ultrawideband Antenna With Reduced Ground Plane Effect. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 383-388	4.9	246
296	Wideband monopole antennas for multi-band wireless systems. <i>IEEE Antennas and Propagation Magazine</i> , 2003 , 45, 146-150	1.7	207
295	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1165-1172	4.9	197
294	Considerations for source pulses and antennas in UWB radio systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 1739-1748	4.9	195
293	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1706-1713	4.9	191
292	Design and Modeling of Spoof Surface Plasmon Modes-Based Microwave Slow-Wave Transmission Line. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 1817-1825	4.1	188
291	Asymmetric-Circular Shaped Slotted Microstrip Antennas for Circular Polarization and RFID Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 3821-3828	4.9	177
290	Bandwidth Enhancement for a 60 GHz Substrate Integrated Waveguide Fed Cavity Array Antenna on LTCC. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 826-832	4.9	166
289	Metamaterial-Based Low-Profile Broadband Aperture-Coupled Grid-Slotted Patch Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3325-3329	4.9	164
288	Impedance Characterization of RFID Tag Antennas and Application in Tag Co-Design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 1268-1274	4.1	157
287	Metamaterial-Based Thin Planar Lens Antenna for Spatial Beamforming and Multibeam Massive MIMO. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 464-472	4.9	145
286	A Universal UHF RFID Reader Antenna. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 1275-1282	4.1	142
285	A High Gain Antenna With an Optimized Metamaterial Inspired Superstrate. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 6018-6023	4.9	136
284	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
283	Dual-Band Circularly Polarized \$\$\$-Shaped Slotted Patch Antenna With a Small Frequency-Ratio. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 2112-2115	4.9	128
282	Compact Asymmetric-Slit Microstrip Antennas for Circular Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 285-288	4.9	127
281	Redirection of sound waves using acoustic metasurface. <i>Applied Physics Letters</i> , 2013 , 103, 151604	3.4	111

280	An Ultrawideband Diversity Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 1597-1605	4.9	111
279	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3362-3370	4.9	108
278	A Broadband UHF Near-Field RFID Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 3829-3838	4.9	108
277	. <i>IEEE Antennas and Propagation Magazine</i> , 2016 , 58, 39-46	1.7	104
276	Substrate Integrated Waveguide Cavity-Backed Wide Slot Antenna for 60-GHz Bands. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 6023-6026	4.9	104
275	Low-Loss Spoof Surface Plasmon Slow-Wave Transmission Lines With Compact Transition and High Isolation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 3078-3086	4.1	102
274	Planar antennas. <i>IEEE Microwave Magazine</i> , 2006 , 7, 63-73	1.2	101
273	A Single-Layered Spoof-Plasmon-Mode Leaky Wave Antenna With Consistent Gain. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 681-687	4.9	93
272	A Compact Circularly Polarized Cross-Shaped Slotted Microstrip Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 1584-1588	4.9	93
271	Gain Enhancement of 60-GHz Antipodal Tapered Slot Antenna Using Zero-Index Metamaterial. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1741-1746	4.9	92
270	Electromagnetic Lens-Focusing Antenna Enabled Massive MIMO: Performance Improvement and Cost Reduction. <i>IEEE Journal on Selected Areas in Communications</i> , 2014 , 32, 1194-1206	14.2	86
269	Miniaturized Wideband Metasurface Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 7345-7349	4.9	85
268	Proximity Effects of Metallic Environments on High Frequency RFID Reader Antenna: Study and Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 3105-3111	4.9	81
267	Gain-Enhanced 60-GHz LTCC Antenna Array With Open Air Cavities. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 3470-3473	4.9	80
266	A Method of Suppressing Higher Order Modes for Improving Radiation Performance of Metasurface Multiport Antennas Using Characteristic Mode Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1894-1902	4.9	75
265	Metasurface-Based Shared-Aperture 5G S ₂₁ -/ S ₂₂ -Band Antenna Using Characteristic Mode Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6742-6750	4.9	74
264	Spoof Plasmon-Based Slow-Wave Excitation of Dielectric Resonator Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 2094-2099	4.9	73
263	A Dual-Band Metasurface Antenna Using Characteristic Mode Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5620-5624	4.9	73

262	Substrate Integrated Metamaterial-Based Leaky-Wave Antenna With Improved Boresight Radiation Bandwidth. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 3451-3457	4.9	73
261	Multilayered Composite Right/Left-Handed Leaky-Wave Antenna With Consistent Gain. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 5056-5062	4.9	67
260	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5088-5097	4.9	63
259	140-GHz Planar Broadband LTCC SIW Slot Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 3025-3028	4.9	63
258	Wideband Millimeter-Wave Substrate Integrated Waveguide Slotted Narrow-Wall Fed Cavity Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 1488-1496	4.9	63
257	Manipulation of acoustic focusing with an active and configurable planar metasurface transducer. <i>Scientific Reports</i> , 2014 , 4, 6257	4.9	62
256	A Compact Circularly Polarized Slotted Patch Antenna for GNSS Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 6506-6509	4.9	62
255	140-GHz TE ₂₀ -Mode Dielectric-Loaded SIW Slot Antenna Array in LTCC. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1784-1793	4.9	62
254	Subwavelength Substrate-Integrated Fabry-Pérot Cavity Antennas Using Artificial Magnetic Conductor. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 30-35	4.9	60
253	A Beam Scanning Leaky-Wave Slot Antenna With Enhanced Scanning Angle Range and Flat Gain Characteristic Using Composite Phase-Shifting Transmission Line. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5871-5875	4.9	59
252	Transmission of RF Signals Between MICS Loop Antennas in Free Space and Implanted in the Human Head. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 1850-1854	4.9	57
251	Planar Filtering Ultra-Wideband (UWB) Antenna With Shorting Pins. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 948-953	4.9	55
250	Experimental Characterization of UWB Antennas for On-Body Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 866-874	4.9	55
249	60-GHz Thin Broadband High-Gain LTCC Metamaterial-Mushroom Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4592-4601	4.9	53
248	A UWB Dipole Antenna With Enhanced Impedance and Gain Performance. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 2959-2966	4.9	52
247	Single-Layered SIW Post-Loaded Electric Coupling-Enhanced Structure and Its Filter Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 125-130	4.1	50
246	A Planar UWB Diversity Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 3467-3473	4.9	50
245	Novel bi-arm rolled monopole for UWB applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 672-677	4.9	50

244	77-GHz Dual-Layer Transmit-Array for Automotive Radar Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 2833-2837	4.9	49
243	A Compact Differential Filtering Quasi-Yagi Antenna With High Frequency Selectivity and Low Cross-Polarization Levels. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1573-1576	3.8	49
242	An investigation into measurement of handset antennas. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2005 , 54, 1100-1110	5.2	49
241	Design of 3-D Multilayer Ferrite-Loaded Frequency-Selective Rasorbers With Wide Absorption Bands. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 108-117	4.1	48
240	Electrically Large Dual-Loop Antenna for UHF Near-Field RFID Reader. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1019-1025	4.9	46
239	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1332-1347	4.9	44
238	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5043-5051	4.9	43
237	Dual-Beam Filtering Patch Antennas for Wireless Communication Application. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3730-3734	4.9	43
236	Electrically Large Zero-Phase-Shift Line Grid-Array UHF Near-Field RFID Reader Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 2201-2208	4.9	42
235	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4528-4536	4.9	42
234	. <i>IEEE Antennas and Propagation Magazine</i> , 2013 , 55, 124-137	1.7	42
233	Symmetric-Aperture Antenna for Broadband Circular Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 3932-3936	4.9	42
232	Microstrip Patch Antennas With Enhanced Gain by Partial Substrate Removal. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 2811-2816	4.9	41
231	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 5886-5894	4.9	40
230	Design of a human-head-equivalent phantom for ISM 2.4-GHz applications. <i>Microwave and Optical Technology Letters</i> , 2005 , 47, 163-166	1.2	40
229	Shared-Surface Dual-Band Antenna for 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1128-1133	4.9	39
228	. <i>IEEE Antennas and Propagation Magazine</i> , 2013 , 55, 84-99	1.7	37
227	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1468-1476	4.9	37

226	Wideband Substrate-Integrated Waveguide-Fed Endfire Metasurface Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 7032-7040	4.9	37
225	270-GHz LTCC-Integrated High Gain Cavity-Backed Fresnel Zone Plate Lens Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1679-1687	4.9	36
224	A Broadband Circularly Polarized Stacked Probe-Fed Patch Antenna for UHF RFID Applications. <i>International Journal of Antennas and Propagation</i> , 2007 , 2007, 1-8	1.2	35
223	Circular Polarization and Mode Reconfigurable Wideband Orbital Angular Momentum Patch Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1796-1804	4.9	34
222	Realization of Beam Steering Based on Plane Spiral Orbital Angular Momentum Wave. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1352-1358	4.9	34
221	A microstrip patch antenna with broadened beamwidth. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1885-1888	1.2	34
220	Broadband Low-Profile L-Probe Fed Metasurface Antenna With TM Leaky Wave and TE Surface Wave Resonances. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1348-1355	4.9	34
219	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1366-1377	4.9	33
218	Wide Bandwidth and Enhanced Gain of a Low-Profile Dipole Antenna Achieved by Integrated Suspended Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1540-1544	4.9	33
217	Mutual Coupling Reduction of a Closely Spaced Four-Element MIMO Antenna System Using Discrete Mushrooms. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 3060-3067	4.1	32
216	Miniaturized Patch Antenna With Grounded Strips. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 843-848	4.9	31
215	Enhanced Bandwidth and Directivity of a Dual-Mode Compressed High-Order Mode Stub-Loaded Dipole Using Characteristic Mode Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1922-1925	4.9	31
214	Synthesis Method for Substrate-Integrated Waveguide Bandpass Filter With Even-Order Chebyshev Response. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2016 , 6, 126-135	1.7	30
213	Compact Pattern-Reconfigurable Monopole Antenna Using Parasitic Strips. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 557-560	3.8	30
212	Characteristics of a Metal-Backed Loop Antenna and its Application to a High-Frequency RFID Smart Shelf. <i>IEEE Antennas and Propagation Magazine</i> , 2009 , 51, 26-38	1.7	30
211	Wideband and Wide-Angle Single-Layered-Substrate Linear-to-Circular Polarization Metasurface Converter. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1186-1191	4.9	30
210	Gain Enhancement of Beam Scanning Substrate Integrated Waveguide Slot Array Antennas Using a Phase-Correcting Grating Cover. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4584-4591	4.9	29
209	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1616-1622	4.9	28

208	A metamaterial-based broadband circularly polarized aperture-fed grid-slotted patch antenna 2015		28
207	Considering High-Performance Near-Field Reader Antennas: Comparisons of Proposed Antenna Layouts for Ultrahigh-Frequency Near-Field Radio-Frequency Identification. <i>IEEE Antennas and Propagation Magazine</i> , 2018 , 60, 14-26	1.7	27
206	. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 574-581	4.9	27
205	Characteristic Mode Analysis and Metasurface- Based Suppression of Higher Order Modes of a 2×2 Closely Spaced Phased Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1141-1150	4.9	26
204	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2961-2970	4.9	26
203	Antennas for WiFi Connectivity. <i>Proceedings of the IEEE</i> , 2012 , 100, 2322-2329	14.3	26
202	Wideband Reconfigurable Rolled Planar Monopole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 1760-1767	4.9	26
201	Experimental study on radiation performance of probe-fed suspended plate antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2003 , 51, 1964-1971	4.9	26
200	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1356-1365	4.9	26
199	Full Modeling, Loss Reduction, and Mutual Coupling Control of Spoof Surface Plasmon-Based Meander Slow Wave Transmission Lines. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3764-3772	4.1	25
198	A Low-Profile Wideband Hybrid Metasurface Antenna Array for 5G and WiFi Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 665-671	4.9	23
197	A Substrate Integrated Cavity Backed Filtering Slot Antenna Stacked With a Patch for Frequency Selectivity Enhancement. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1910-1914	3.8	23
196	Control of Beam Direction for Substrate-Integrated Waveguide Slot Array Antenna Using Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2862-2869	4.9	22
195	Independent Mobility Achieved through a Wireless Brain-Machine Interface. <i>PLoS ONE</i> , 2016 , 11, e0165737	3.7	22
194	Ultrawideband Suspended Plate Antenna With Enhanced Impedance and Radiation Performance. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 2490-2495	4.9	21
193	Signal optimization for UWB radio systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 2178-2184	4.9	21
192	270-GHz LTCC-Integrated Strip-Loaded Linearly Polarized Radial Line Slot Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 1794-1801	4.9	20
191	Slit-Slot Line and Its Application to Low Cross-Polarization Slot Antenna and Mutual-Coupling Suppressed Tripolarized MIMO Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4-15	4.9	20

190	An Electromagnetically Coupled UWB Plate Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 1476-1479	4.9	19
189	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 3512-3516	4.9	19
188	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 5697-5701	4.9	18
187	Simplification and Implementation of Decoupling and Matching Network With Port Pattern-Shaping Capability for Two Closely Spaced Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3695-3699	4.9	18
186	A Directional, Closely Spaced Zero-Phase-Shift-Line Loop Array for UHF Near-Field RFID Reader Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5639-5642	4.9	18
185	Compact Substrate Integrated Waveguide Slot Antenna Array With Low Back Lobe. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 999-1002	3.8	18
184	Compact circularly polarized asymmetric-slotted microstrip patch antennas. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1920-1927	1.2	18
183	Wideband circularly polarized microstrip antenna array using a new single feed network. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1784-1789	1.2	18
182	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5652-5657	4.9	18
181	A Wideband Ultra-Thin Differential Loop-Fed Patch Antenna for Head Implants. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3244-3248	4.9	17
180	Broadband and Ultrathin Frequency-Dispersive Metamaterial Screen for Reflectivity Reduction. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 4156-4160	4.9	17
179	Broadband and Compact Coupled Coplanar Stripline Filters With Impedance Steps. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 2874-2886	4.1	17
178	Compact Wideband Wide-Angle Polarization-Free Metasurface Lens Antenna Array for Multibeam Base Stations. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1378-1388	4.9	17
177	Enhanced Radiation From a Horizontal Dipole Closely Placed Above a PEC Ground Plane Using a Parasitic Strip. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4868-4871	4.9	17
176	Empirical Formula of Cavity Dominant Mode Frequency for 60-GHz Cavity-Backed Wide Slot Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 969-972	4.9	16
175	A Planar UWB Antenna With a Broadband Feeding Structure. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 2172-2175	4.9	16
174	Dual elliptically tapered antipodal slot antenna loaded by curved terminations for ultrawideband applications. <i>Radio Science</i> , 2006 , 41, n/a-n/a	1.4	15
173	Single-Layer Dual-Band Microwave Metasurface Cloak of Conducting Cylinder. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4286-4290	4.9	14

172	Acoustic cloaking by extraordinary sound transmission. <i>Journal of Applied Physics</i> , 2015 , 117, 214507	2.5	14
171	Probe-fed broadband low-profile metasurface antennas using characteristic mode analysis 2017 ,		14
170	UWB Antennas: From Hype, Promise to Reality 2007 ,		14
169	Radiation Pattern Improvement of Cross-Band Dipoles Using Inductive-Loading Mode-Suppression Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3467-3471	4.9	13
168	Non-Line-of-Sight Channel Performance of Plane Spiral Orbital Angular Momentum MIMO Systems. <i>IEEE Access</i> , 2017 , 5, 25377-25384	3.5	13
167	Dual-square-ring-shaped slot antenna for wideband circularly polarized radiation. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 2645-2649	1.2	13
166	Compact Dual-Band and Ultrawideband Loop Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 2774-2779	4.9	13
165	. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 3441-3444	4.9	13
164	. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 833-838	4.9	13
163	A Printed Ultra-Wideband Diversity Antenna 2006 ,		13
162	Modeling and Characterization of Zero-Phase-Shift Lines and Optimization of Electrically Large ZPSL Loop Antennas for Near-Field Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4587-4594	4.9	12
161	Dielectric Metamaterial-Based Impedance-Matched Elements for Broadband Reflectarray. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 7019-7028	4.9	12
160	Tapered composite right/left-handed leaky-wave antenna for wideband broadside radiation. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 624-629	1.2	12
159	A Single-Layer Dual-Polarized Differentially Fed Patch Antenna With Enhanced Gain and Bandwidth Operating at Dual Compressed High-Order Modes Using Characteristic Mode Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4082-4087	4.9	12
158	Low-Profile 2-D THz Airy Beam Generator Using the Phase-Only Reflective Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 1503-1513	4.9	12
157	SIW-Slot-Fed Thin Beam-Squint-Free Fabry-Pérot Cavity Antenna With Low Backlobe Levels. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 552-554	3.8	11
156	Measurement setups for millimeter-wave antennas at 60/140/270 GHz bands 2014 ,		11
155	A Split-Step FDTD Method for 3-D Maxwell's Equations in General Anisotropic Media. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 3647-3657	4.9	11

154	Miniaturized broadband metasurface antenna using stepped impedance resonators 2016 ,		11
153	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 1874-1884	4.9	11
152	Analysis and Optimization of Compact Suspended Plate MIMO Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 263-270	4.9	10
151	Broadband suspended plate antenna with concaved center portion. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 1550-1551	4.9	10
150	Suspended plate antennas with shorting strips and slots. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 2525-2531	4.9	10
149	Characteristic Mode-Inspired Advanced Multiple Antennas. <i>IEEE Antennas and Propagation Magazine</i> , 2022 , 2-10	1.7	10
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