

# Zhongxiang Shen

## List of Publications by Citations

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288  
papers

5,198  
citations

40  
h-index

60  
g-index

377  
ext. papers

6,998  
ext. citations

3.3  
avg, IF

6.59  
L-index

#	Paper	IF	Citations
288	On the Design of Single-Layer Circuit Analog Absorber Using Double-Square-Loop Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 6022-6029	4.9	251
287	Frequency-Selective Resorber Based on Square-Loop and Cross-Dipole Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5581-5589	4.9	186
286	A Thin and Broadband Absorber Using Double-Square Loops. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2007</b> , 6, 388-391	3.8	134
285	3-D Frequency Selective Resorber: Concept, Analysis, and Design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2016</b> , 64, 3087-3096	4.1	118
284	Absorptive Frequency-Selective Transmission Structure With Square-Loop Hybrid Resonator. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 3212-3215	3.8	99
283	Wideband 3D Frequency Selective Resorber. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 6536-6541	4.9	96
282	A Novel Band-Reject Frequency Selective Surface With Pseudo-Elliptic Response. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 1220-1226	4.9	93
281	Varactor-Tunable Second-Order Bandpass Frequency-Selective Surface With Embedded Bias Network. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 1672-1680	4.9	92
280	A flat lens with tunable phase gradient by using random access reconfigurable metamaterial. <i>Advanced Materials</i> , <b>2015</b> , 27, 4739-43	24	92
279	. <i>IEEE Antennas and Propagation Magazine</i> , <b>2014</b> , 56, 43-67	1.7	89
278	Absorptive Frequency-Selective Reflection and Transmission Structures. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 6173-6178	4.9	85
277	Wideband Flush-Mounted Surface Wave Antenna of Very Low Profile. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2430-2438	4.9	85
276	Three-Dimensional Bandpass Frequency-Selective Structures With Multiple Transmission Zeros. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 3578-3589	4.1	82
275	High-Efficiency Sea-Water Monopole Antenna for Maritime Wireless Communications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5968-5973	4.9	79
274	Compact Triple-Mode Filter Based on Quarter-Mode Substrate Integrated Waveguide. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 37-45	4.1	76
273	3-D Frequency-Selective Resorber With Wide Upper Absorption Band. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4363-4367	4.9	73
272	Effect of a finite ground plane on microstrip-fed cavity-backed slot antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2005</b> , 53, 862-865	4.9	71

271	Backscattering Cross Section of Ultrawideband Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2007</b> , 6, 70-73	3.8	69
270	Wideband and Low-Profile H-Plane Ridged SIW Horn Antenna Mounted on a Large Conducting Plane. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5895-5900	4.9	68
269	Synthesis of Quasi-Elliptic Bandpass Frequency-Selective Surface Using Cascaded Loop Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 3053-3059	4.9	68
268	Dual-Polarized Band-Absorptive Frequency Selective Resorber Using Meander-Line and Lumped Resistors. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 1318-1322	4.9	61
267	A Single-Layer Circular Polarizer Based on Hybrid Meander Line and Loop Configuration. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 4609-4614	4.9	58
266	3-D Absorptive Frequency Selective Reflector for Antenna Radar Cross Section Reduction. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 5908-5917	4.9	57
265	Inverted microstrip-fed cavity-backed slot antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2002</b> , 1, 98-101	3.8	53
264	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2851-2857	4.9	51
263	A new dual-polarized broadband horn antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2005</b> , 4, 270-273	3.8	50
262	An inverted microstrip-fed cavity-backed slot antenna for circular polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2002</b> , 1, 190-192	3.8	50
261	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 4315-4323	4.9	49
260	An Elliptical Bandpass Frequency Selective Structure Based on Microstrip Lines. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 4661-4669	4.9	48
259	Design of 3-D Multilayer Ferrite-Loaded Frequency-Selective Resorbers With Wide Absorption Bands. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 108-117	4.1	48
258	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 5484-5491	4.9	47
257	0.2 $\lambda$ Thick Adaptive Retroreflector Made of Spin-Locked Metasurface. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802721	2.4	47
256	Dual-Band Bandpass Frequency-Selective Structures With Arbitrary Band Ratios. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5504-5512	4.9	47
255	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 2217-2226	4.9	45
254	Double-Sided Parallel-Strip Line Resonator for Dual-Polarized 3-D Frequency-Selective Structure and Absorber. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 3744-3752	4.1	44

253	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1377-1380	3.8	43
252	Three-Dimensional Dual-Polarized Frequency Selective Structure With Wide Out-of-Band Rejection. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 130-137	4.9	43
251	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 134-137	3.8	42
250	Thin 3-D Bandpass Frequency-Selective Structure Based on Folded Substrate for Conformal Radome Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 282-290	4.9	41
249	. <i>IEEE Transactions on Electron Devices</i> , <b>2011</b> , 58, 4098-4105	2.9	40
248	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2003</b> , 51, 856-861	4.1	40
247	Compact Circularly Polarized Antenna Based on Quarter-Mode Substrate Integrated Waveguide Sub-Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 963-967	4.9	39
246	Wideband Microwave Absorber Based on a Two-Dimensional Periodic Array of Microstrip Lines. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 3913-3922	4.9	38
245	Conformal SIW H-Plane Horn Antenna on a Conducting Cylinder. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 1271-1274	3.8	37
244	Arbitrary and Independent Polarization Control In Situ via a Single Metasurface. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800728	8.1	36
243	A hybrid FD-MoM technique for predicting shielding effectiveness of metallic enclosures with apertures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2005</b> , 47, 456-462	2	36
242	Rigorous evaluation of the input impedance of a sleeve monopole by modal-expansion method. <i>IEEE Transactions on Antennas and Propagation</i> , <b>1996</b> , 44, 1584-1591	4.9	35
241	Wideband circular polarizer based on dielectric gratings with periodic parallel strips. <i>Optics Express</i> , <b>2015</b> , 23, 12533-43	3.3	34
240	Shunt-Excited Sea-Water Monopole Antenna of High Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 5185-5190	4.9	34
239	Compact Omnidirectional Antenna of Circular Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1466-1469	3.8	34
238	Low-Profile Broadband Absorber Based on Multimode Resistor-Embedded Metallic Strips. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 835-843	4.1	34
237	Low-RCS Reflectarray With Phase Controllable Absorptive Frequency-Selective Reflector. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 190-198	4.9	33
236	Frequency selective surface with wideband quasi-elliptic bandpass response. <i>Electronics Letters</i> , <b>2013</b> , 49, 1052-1053	1.1	29

235	Frequency-reconfigurable water antenna of circular polarization. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 014102	3.2	29
234	. <i>IEEE Transactions on Electron Devices</i> , <b>2010</b> , 57, 3451-3459	2.9	28
233	Design of a Switchable Microwave Absorber. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1158-1161	3.8	26
232	Microstrip-fed cavity-backed slot antennas. <i>Microwave and Optical Technology Letters</i> , <b>2002</b> , 33, 229-233	1.2	26
231	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 729-736	4.9	26
230	Conformal VHF Log-Periodic Balloon Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2756-2761	4.9	25
229	Design and Experimental Demonstration of Non-Foster Active Absorber. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 696-704	4.9	24
228	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6770-6777	4.9	24
227	Tunable Frequency-Selective Resorber Based on Varactor-Embedded Square-Loop Array. <i>IEEE Access</i> , <b>2019</b> , 7, 115552-115559	3.5	24
226	Bandpass Frequency Selective Structure With Wideband Spurious Rejection. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 145-148	3.8	24
225	3D Absorptive Frequency-Selective Reflection and Transmission Structures With Dual Absorption Bands. <i>IEEE Access</i> , <b>2018</b> , 6, 72880-72888	3.5	24
224	Wideband and Low-Profile Monocone Quasi-Yagi Antenna for Endfire Radiation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 325-328	3.8	23
223	Miniaturized Bandstop Frequency-Selective Structure Using Stepped-Impedance Resonators. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 1112-1115	3.8	23
222	Ultrathin 3-D Frequency Selective Resorber With Wide Absorption Bands. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4697-4705	4.9	22
221	Metafluidic metamaterial: a review. <i>Advances in Physics: X</i> , <b>2018</b> , 3, 1417055	5.1	22
220	Angular-stable and polarization-independent frequency selective structure with high selectivity. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 171607	3.4	22
219	A pseudo-planar metasurface for a polarization rotator. <i>Optics Express</i> , <b>2014</b> , 22, 10446-54	3.3	22
218	Dual-Band Shared-Aperture UHF/UWB RFID Reader Antenna of Circular Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3886-3893	4.9	22

217	Polarization-Independent Backscattering Enhancement of Cylinders Based on Conformal Gradient Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 2386-2396	4.9	21
216	Modal expansion analysis of monopole antennas driven from a coaxial line. <i>Radio Science</i> , <b>1996</b> , 31, 1037-1046	4.1	21
215	Absorptive Frequency-Selective Reflection/Transmission Structures: A Review and Future Perspectives. <i>IEEE Antennas and Propagation Magazine</i> , <b>2020</b> , 62, 62-74	1.7	21
214	3D Band-Absorptive Frequency Selective Resorber: Concept and Analysis. <i>IEEE Access</i> , <b>2019</b> , 7, 2520-2528	3.5	21
213	Compact Low-Profile Dual-Band Tag Antenna for Indoor Positioning Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 400-403	3.8	20
212	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 626-631	4.9	20
211	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 2298-2309	4.1	19
210	Broadband and high-efficiency circular polarizer based on planar-helix chiral metamaterials. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 113503	3.4	19
209	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>1995</b> , 43, 2639-2642	4.1	19
208	Hybrid Frequency-Selective Resorber With Low-Frequency Diffusion and High-Frequency Absorption. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 1469-1476	4.9	19
207	Broadband Band-Absorptive Frequency-Selective Resorber With a Hybrid 2-D and 3-D Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 1701-1705	3.8	18
206	A Compact Cavity-Backed Endfire Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 281-284	3.8	17
205	Attentional bias toward safety predicts safety behaviors. <i>Accident Analysis and Prevention</i> , <b>2014</b> , 71, 144-153	4.3	17
204	Scattering by a Two-Dimensional Periodic Array of Vertically Placed Microstrip Lines. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 2599-2606	4.9	17
203	Cavity-based high-efficiency and wideband 90° polarization rotator. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 153504	3.4	17
202	UHF/UWB Tag Antenna of Circular Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 3794-3802	4.9	17
201	Broadband circularly polarized moon-shaped monopole antenna. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 1135-1139	1.2	16
200	. <i>IEEE Access</i> , <b>2018</b> , 6, 23778-23785	3.5	16

199	Efficient Modeling of Three-Dimensional Reverberation Chambers Using Hybrid Discrete Singular Convolution-Method of Moments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 2943-2953	4.9	16
198	. <i>IEEE Electron Device Letters</i> , <b>2009</b> , 30, 1215-1217	4.4	16
197	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 4206-4215	4.1	16
196	Design of Wideband Bandstop Frequency-Selective Structures Using Stacked Parallel Strip Line Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 3401-3409	4.9	16
195	Multiband and Wideband 90° Polarization Rotators. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1822-1826	3.8	16
194	Finite-difference time-domain macromodel for simulation of electromagnetic interference at high-speed interconnects. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 65-71	2	15
193	Absorptive Coding Metasurface With Ultrawideband Backscattering Reduction. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1201-1205	3.8	14
192	Three-dimensional frequency selective surfaces <b>2010</b> ,		14
191	Hybrid Discrete Singular Convolution-Method of Moments Analysis of a 2-D Transverse Magnetic Reverberation Chamber. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2010</b> , 52, 612-619	2	14
190	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 3312-3321	4.9	14
189	Broadband and thin magnetic absorber with non-Foster metasurface for admittance matching. <i>Scientific Reports</i> , <b>2017</b> , 7, 6922	4.9	13
188	Wideband radar absorbing material combining high-impedance transmission line and circuit analogue screen. <i>Electronics Letters</i> , <b>2008</b> , 44, 318	1.1	13
187	Low-RCS and Beam-Steerable Dipole Array Using Absorptive Frequency-Selective Reflection Structures. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2457-2462	4.9	13
186	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4687-4694	4.9	13
185	Low-Profile Helical Quasi-Yagi Antenna Array With Multibeam at the Endfire Direction. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1241-1244	3.8	12
184	Miniaturized UHF/UWB Tag Antenna for Indoor Positioning Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 2453-2457	3.8	12
183	Absorptive Frequency-Selective Reflector Based on Bent Metallic Strip Embedded With Chip-Resistor. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5736-5741	4.9	12
182	. <i>IEEE Access</i> , <b>2016</b> , 4, 4321-4326	3.5	12



181	A Suspended-Substrate Ku-Band Symmetric Radial Power Combiner. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 652-654	2.6	12
180	Memory-Efficient Modeling of Reverberation Chambers Using Hybrid Recursive Update Discrete Singular Convolution-Method of Moments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2781-2789	4.9	12
179	Weighted Laguerre Polynomials-Finite Difference Method for Time-Domain Modeling of Thin Wire Antennas in a Loaded Cavity. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2009</b> , 8, 1131-1134	3.8	12
178	Liquid Antennas <b>2016</b> , 1-23		12
177	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 2236-2239	3.8	11
176	UWB 90° phase shifter based on broadside coupler and T-shaped stub. <i>Electronics Letters</i> , <b>2016</b> , 52, 2048-2050	11	11
175	Cavity-based linear polarizer immune to the polarization direction of an incident plane wave. <i>Optics Letters</i> , <b>2016</b> , 41, 424-7	3	11
174	Open-Ended Coaxial Waveguide for Conical-Beam Radiation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2518-2521	4.9	11
173	Broadband circularly-polarised antenna consisting of four notch slot radiators. <i>Electronics Letters</i> , <b>2012</b> , 48, 1447	1.1	11
172	Hybrid finite-element-modal-expansion method for matched magic T-junction. <i>IEEE Transactions on Magnetics</i> , <b>2002</b> , 38, 385-388	2	11
171	Surface Waves Propagating on Grounded Anisotropic Dielectric Slab. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 102	2.6	11
170	3-D Frequency-Selective Resorber Based on Magnetic Material and Meander Line. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7694-7699	4.9	10
169	Analytical Algorithm for 3-D Localization of a Single Source With Uniform Circular Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 323-326	3.8	10
168	<b>2016</b> ,		10
167	Compact and High-Gain UHF/UWB RFID Reader Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 5002-5010	4.9	10
166	MODAL-EXPANSION ANALYSIS OF A MONOPOLE IN VIBRATING REVERBERATION CHAMBER. <i>Progress in Electromagnetics Research</i> , <b>2008</b> , 85, 303-322	3.8	10
165	Enhancement of backscattering by a conducting cylinder coated with gradient metasurface. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 045109	2.5	10
164	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5664-5672	4.9	10



163	Sea-water half-loop antenna for maritime wireless communications <b>2015</b> ,		9
162	Spurious-Free Dual-Band Bandpass Frequency-Selective Surfaces With Large Band Ratio. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 1065-1072	4.9	9
161	A Dual-Band Dual-Sleeve Monopole Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 2951-2954	3.8	8
160	Aperture Antenna Embedded Notched Parallel Plate Waveguide and Its Application to Dual-Polarized 3-D Absorptive Frequency-Selective Transmission Structure. <i>IEEE Access</i> , <b>2020</b> , 8, 94833-94841	3.5	8
159	Fast Wideband Analysis of Reverberation Chambers Using Hybrid Discrete Singular Convolution-Method of Moments and Adaptive Frequency Sampling. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	8
158	Design of Dual-Polarized Frequency Selective Structure With Quasi-Elliptic Bandpass Response. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 297-300	3.8	8
157	An Eight-Way Power Combiner Based on a Transition Between Rectangular Waveguide and Multiple Microstrip Lines. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 2585-2593	4.1	8
156	Bandwidth Enhancement of Antenna Arrays Utilizing Mutual Coupling between Antenna Elements. <i>International Journal of Antennas and Propagation</i> , <b>2010</b> , 2010, 1-9	1.2	8
155	Radiation of High-Gain Cavity-Backed Slot Antennas Through a Two-Layer Superstrate. <i>IEEE Antennas and Propagation Magazine</i> , <b>2008</b> , 50, 78-87	1.7	8
154	Wide-band measurement of complex permittivity using an overmoded circular cavity. <i>Measurement Science and Technology</i> , <b>2008</b> , 19, 025702	2	8
153	Modal analysis of a rectangular waveguide with rounded sides. <i>Microwave and Optical Technology Letters</i> , <b>2002</b> , 33, 365-368	1.2	8
152	The theory of chiroferrite waveguides. <i>Microwave and Optical Technology Letters</i> , <b>1993</b> , 6, 397-401	1.2	8
151	High-Performance Energy Selective Surface Based on the Double-Resonance Concept. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	8
150	Ultra-Wide-Angle Bandpass Frequency Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5673-5681	4.9	8
149	A Yagi monopole antenna made of pure water <b>2015</b> ,		7
148	Improved polarization converter using symmetrical semi-ring slots <b>2014</b> ,		7
147	Top-Hat Monopole Antenna for Conical-Beam Radiation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 396-398	3.8	7
146	A CPW-FED circularly polarized antenna for lower ultra-wideband applications. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 2365-2369	1.2	7

145	Circular Aperture Antenna With Conical Beam. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 211-214	3.8	7
144	Wideband 3D frequency selective rasorber with two absorption bands <b>2016</b> ,		7
143	Tunable Absorptive Frequency-Selective Transmission Structure <b>2018</b> ,		7
142	Edge-On Backscattering Enhancement Based on Quasi-Superdirective Reradiation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 539-542	3.8	6
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139	Wide-Band Wide-Coverage Linear Array of Four Semi-Circular Sector Horns. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 3980-3984	4.9	6
138	Three-dimensional band-pass frequency-selective structure with multiple transmission zeros <b>2012</b> ,		6
137	Closed-Form Expressions for the Equivalent Circuit Model of Square-Waveguide T-Junctions and Its Application in Ortho-Mode Transducer Design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 1167-1174	4.1	6
136	Microfabrication of a Planar Helix with Straight-Edge Connections Slow-Wave Structure. <i>Advanced Materials Research</i> , <b>2011</b> , 254, 17-20	0.5	6
135	On the Gap Source Model for Monopole Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2008</b> , 7, 115-118	3.8	6
134	A Compact Dual- and Wideband Cavity-Backed Slot Subarray. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2007</b> , 6, 80-82	3.8	6
133	Transverse slot antenna array in the broad wall of a rectangular waveguide partially filled with a dielectric slab. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2004</b> , 52, 1030-1038	4.9	6
132	<b>2019</b> ,		6
131	Diffusive Energy-Selective Surface with Low Backscattering. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	6
130	Compact Wideband Wide-Angle Van Atta Retroreflector With Suppressed Structural Mode. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 736-740	3.8	5
129	Frequency-reconfigurable water dielectric resonator antenna <b>2016</b> ,		5
128	Wideband 3D frequency selective rasorber based on ferrite absorber <b>2017</b> ,		5

127	DUAL-BAND ORTHO-MODE TRANSDUCER WITH IRREGULARLY SHAPED DIAPHRAGM. <i>Progress in Electromagnetics Research Letters</i> , <b>2011</b> , 27, 1-8	0.5	5
126	Analysis of quadruple corner-cut ridged square waveguide by hybrid mode-matching boundary-element method. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2011</b> , 24, 24-35	1	5
125	Bandpass frequency selective surface based on a two-dimensional periodic array of shielded microstrip lines <b>2010</b> ,		5
124	Efficient Analysis of Quadruple Corner-Cut Ridged Circular Waveguide by Hybrid Mode-Matching Boundary-Element Method. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 1076-1079	2	5
123	Design of a wide-band high-gain linear array antenna <b>2009</b> ,		5
122	Efficient Analysis of Open-Ended Coaxial Line Using Sommerfeld Identity and Matrix Pencil Method. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2008</b> , 18, 7-9	2.6	5
121	Waveguide power dividers using multiple posts. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 981-984	1.2	5
120	An Anti-Jamming 5-Element GPS Antenna Array Using Phase-Only Nulling <b>2006</b> ,		5
119	Application of anisotropic PML in mode-matching analysis of open-ended waveguides. <i>IEEE Transactions on Magnetics</i> , <b>2002</b> , 38, 733-736	2	5
118	Integrated Frequency Selective Surface and Antenna Printed on a Transparent Substrate. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 2062-2066	3.8	5
117	. <i>IEEE Access</i> , <b>2020</b> , 8, 203667-203673	3.5	5
116	3-D Single- and Dual-Polarized Frequency-Selective Rasorbers With Wide Absorption Bands Based on Stepped Impedance Resonator. <i>IEEE Access</i> , <b>2021</b> , 9, 22317-22327	3.5	5
115	Reconfigurable Antennas Based on Pure Water. <i>IEEE Open Journal of Antennas and Propagation</i> , <b>2021</b> , 2, 623-633	1.9	5
114	Frequency-Scanning Multipolarization Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 7245-7254	4.9	4
113	Optimal Antenna Design With QPSOQN Optimization Strategy. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 645-648	2	4
112	Three-dimensional broadband bandstop frequency selective structure using dual-mode resonators <b>2013</b> ,		4
111	3D frequency selective rasorber: Concept, theory, and design <b>2015</b> ,		4
110	A thin wideband circuit analog absorber using square-loop arrays <b>2013</b> ,		4

109	Broadband Substrate Integrated Waveguide Orthomode Transducers. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2009</b> , 23, 2099-2108	1.3	4
108	A novel method for two-dimensional frequency estimation. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , <b>2006</b> , 53, 148-151		4
107	Bi-directional coupling between two coupled transmission lines. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2003</b> , 13, 514-516	2.6	4
106	A submicron PHEMT nonlinear model suitable for RFID low current amplifier design. <i>International Journal of Electronics</i> , <b>2003</b> , 90, 433-443	1.2	4
105	A coaxial radial line junction with a top loading disk for broadband matchings. <i>Microwave and Optical Technology Letters</i> , <b>1999</b> , 22, 87-90	1.2	4
104	An improved modal expansion method for two cascaded junctions and its application to waveguide filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>1995</b> , 43, 2719-2722	4.1	4
103	Scattering from an impedance cylinder embedded in a non-concentric ferrite cylinder. <i>International Journal of Electronics</i> , <b>1993</b> , 74, 627-634	1.2	4
102	Circularly Polarized UHF RFID Tag Antenna for Wireless Sensing of Complex Permittivity of Liquids. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 26746-26754	4	4
101	Ultrawideband Circularly Polarized Antenna With Shared Semicircular Patches. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 3555-3559	4.9	4
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99	Realization of Low-RCS Parabolic Reflector Antenna Using Curved 3-D Frequency-Selective Structure <b>2018</b> ,		4
98	Ferrite Coating Design for Near-Ground HF Bowtie Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 2074-2078	4.9	3
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96	A Pattern Reconfigurable Water Leaky-wave Antenna with Conical Beam <b>2020</b> ,		3
95	Brewster Lens With Perfect Wave Refraction. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 6204-6213	4.9	3
94	A conformal cavity-backed supergain slot antenna <b>2014</b> ,		3
93	Moon-shaped printed monopole antenna for wideband circularly polarized radiation <b>2013</b> ,		3
92	Analysis of Dyakonov surface waves existing at the interface of an isotropic medium and a conductor-backed uniaxial slab. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2014</b> , 31, 1923-30	1.8	3

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90	Dual-Feed Cavity-Backed Slot Antennas. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2010</b> , 24, 13-23	1.3	3
89	Three-dimensional band-stop frequency selective structures <b>2012</b> ,		3
88	PIC simulation for W-band planar helix with straight-edge connections <b>2012</b> ,		3
87	A Novel 8-way radial power combiner <b>2009</b> ,		3
86	Shielding effectiveness of cylindrical enclosures with rectangular apertures <b>2008</b> ,		3
85	An accelerating technique for analyzing open-ended rectangular waveguides. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 1061-1066	1.2	3
84	Effect of a Finite Ground Plane on Rectangular Waveguide Slot Antennas' Radiation Patterns. <i>Electromagnetics</i> , <b>2006</b> , 26, 485-502	0.8	3
83	Coupled mode analysis of forward and backward coupling in multiconductor transmission lines. <i>IEEE Transactions on Electromagnetic Compatibility</i> , <b>2005</b> , 47, 463-470	2	3
82	Modal-expansion analysis of electrically steerable passive array radiators (ESPAR)		3
81	Small-signal modeling of a PHEMT up to 110 GHz based on the genetic algorithm. <i>Microwave and Optical Technology Letters</i> , <b>2001</b> , 29, 367-373	1.2	3
80	Full-wave analysis of cross-aperture waveguide couplers. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2002</b> , 12, 267-269	2.6	3
79	A circularly polarized microstrip-fed T-slot antenna		3
78	Angle-Selective Surface Based on Uniaxial Dielectric-Magnetic Slab. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 2457-2461	3.8	3
77	Frequency Selective Radome With Wide Diffusive Bands. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	3
76	A pattern reconfigurable low-profile Yagi monopole antenna with 360° beam-scanning ability <b>2016</b> ,		3
75	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5084-5089	4.9	3
74	Liquid antennas <b>2016</b> ,		2

73	Compact and Wideband Dipole Antennas <b>2019,</b>		2
72	Broadband and low-profile H-plane ridged horn antenna <b>2015,</b>		2
71	Broadband horizontally polarized HF antenna with extremely low profile above conducting ground <b>2013,</b>		2
70	Electromagnetic retroreflection augmented by spherical and conical metasurfaces. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 205104	2.5	2
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68	Wideband bandpass frequency selective structure based on periodic array of multi-layer strip lines <b>2014,</b>		2
67	<b>2012,</b>		2
66	A dual-polarized switchable microwave absorber <b>2012,</b>		2
65	Dual-band frequency selective structure with large frequency band ratio <b>2013,</b>		2
64	Modeling of reverberation chamber using FMM-Accelerated hybrid integral equation <b>2012,</b>		2
63	On the inverse relationship between quality factor and bandwidth of small antennas <b>2009,</b>		2
62	Nulling of Antenna Arrays Including the Mutual Coupling Effect. <i>IEEE Vehicular Technology Conference</i> , <b>2008,</b>	0.1	2
61	On the Design of Radar Absorbing Materials Using Left-Handed Transmission Line. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , <b>2007,</b>		2
60	A gain-enhanced microstrip-fed cavity-backed slot antenna		2
59	Mode-matching analysis of H-plane ferrite-loaded rectangular waveguide discontinuities. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2003</b> , 13, 259-268	1.5	2
58	A simple approach to closed-form Green's functions of microstrip structures. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 45, 435-438	1.2	2
57	Moment method analysis of rectangular waveguide T-junctions having arbitrary cross-sections. <i>International Journal of Electronics</i> , <b>1991</b> , 71, 463-469	1.2	2
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54	Dual-polarized absorber based on 3-D frequency selective structure <b>2016</b> ,		2
53	Effects of grounding platform on the radiation performance of H-plane horn antennas <b>2016</b> ,		2
52	An Ultra-thin Wideband 3-D Frequency Selective Resorber based on Ferrite Absorber and Slow Wave Structure <b>2019</b> ,		2
51	An Ultra-Wideband and High-Efficiency 90° Polarization Rotator Based on Double Split-Ring Resonators <b>2018</b> ,		2
50	An Absorptive Frequency-selective Reflector Based on Miniaturized Square-loop Resonator <b>2018</b> ,		2
49	Absorptive Frequency-Selective Transmission Structures Based on Hybrid FSS and Absorber. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	2
48	Analysis of substrate integrated waveguide structures using contour integral equation <b>2015</b> ,		1
47	Conformal platform-embedded horn antenna with ultra-wide bandwidth and low profile. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 1711-1718	1.6	1
46	Conformal Cavity-Backed slot antenna embedded in a conical platform for end-fire radiation <b>2017</b> ,		1
45	Multi-band second-order bandstop frequency selective structure with controllable band ratios <b>2015</b> ,		1
44	Broadband Antennas and Antenna Arrays. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-2	1.2	1
43	High gain conical beam antenna with two concentric coaxial apertures <b>2012</b> ,		1
42	Wide-band low-profile circular array of H-plane horn antennas <b>2012</b> ,		1
41	Hybrid numerical modelling of reverberation chambers <b>2012</b> ,		1
40	Z-shaped monopole antenna for wideband circularly polarized radiation <b>2013</b> ,		1
39	Recursive update-discrete singular convolution method for modeling highly resonant structures <b>2011</b> ,		1
38	Weighted Laguerre polynomials-discrete singular convolution method for efficient solution of maxwell's equations <b>2009</b> ,		1



37	A rectangular waveguide to multiple microstrip lines transition for power combining application <b>2009</b> ,		1
36	Mutual coupling effect on the performance of antenna arrays with corporate feed <b>2008</b> ,		1
35	A nonuniform array of slots in the broad-walls of rectangular waveguides partially filled with dielectric slabs. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2008</b> , 18, 278-285 <sup>1-5</sup>		1
34	Analysis of a three-dimensional antenna radiating through a two-dimensional radome using a fast high-order method. <i>IEEE Transactions on Magnetics</i> , <b>2006</b> , 42, 699-702	2	1
33	A compact inverted double-L antenna. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 968-969	1.2	1
32	A dual-band beam-switched slot array for GSM 900/1800MHz <b>2006</b> ,		1
31	A monopole antenna fed by a rectangular waveguide		1
30	Coupled mode analysis of multi-conductor transmission lines including backward coupling		1
29	A broad-band top-cap monopole antenna		1
28	Subharmonic injection-locking balanced oscillator. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 41, 306-309	1.2	1
27	Shielding effectiveness of a metallic enclosure with multiple apertures. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 43, 447-450	1.2	1
26	Sleeve monopole on a circular ground-plane. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2003</b> , 16, 427-441	1	1
25	A two-step calibration technique for measuring S-parameters of transitional structures. <i>Microwave and Optical Technology Letters</i> , <b>2003</b> , 37, 132-135	1.2	1
24	A new probe-excited dual-mode cavity filter. <i>Microwave and Optical Technology Letters</i> , <b>2003</b> , 38, 335-337.2		1
23	Modeling of cylindrical dielectric resonator antennas by the modal-expansion analysis. <i>Microwave and Optical Technology Letters</i> , <b>2000</b> , 26, 13-16	1.2	1
22	Scattering at the junction of a coaxial line and an off-centered circular waveguide. <i>Microwave and Optical Technology Letters</i> , <b>2000</b> , 27, 183-187	1.2	1
21	Rigorous modal-expansion analysis of asymmetrical dipole antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2001</b> , 49, 1525-1531	4-9	1
20	Scattering at junction between coaxial and eccentric annular waveguides		1

19	Modeling of a monopole partially buried in a grounded dielectric substrate by the modal expansion method. <i>IEEE Transactions on Antennas and Propagation</i> , <b>1996</b> , 44, 1535-1536	4.9	1
18	Input impedance of a center-fed circular patch antenna covered by a uniaxial anisotropic superstrate. <i>Microwave and Optical Technology Letters</i> , <b>1996</b> , 13, 77-81	1.2	1
17	A new microstrip-fed cavity-backed annular slot antenna		1
16	Angular selectivity based on a double-resonance periodic array of scatterers. <i>Optics Express</i> , <b>2021</b> , 29, 20379-20386	3.3	1
15	Frequency-reconfigurable water antenna integrated with solar cell <b>2016</b> ,		1
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13	Compact and Wideband Millimeter-Wave Antenna-Coupled Detector. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 1058-1069	4.1	0
12	A single-feed wide- and dualband cavity-backed slot antenna. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 1570-1572	1.2	0
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10	Efficient Computation of the Impedance Matrix of Magnetic Field Integral Equation for Polyhedral Conductors. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 630-635	4.9	
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8	Scattering at a nonchiral-chiral interface in a coaxial waveguide. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>1998</b> , 46, 997-1001	4.1	
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2	Mode characteristics of a multiridge rectangular waveguide. <i>Microwave and Optical Technology Letters</i> , <b>2000</b> , 26, 303-307	1.2	

- 1 Design of a Broadband Antenna Array With Compact Surface-Wave Antenna Elements. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 1-1 3.8