Shiwen Yang

List of Publications by Citations

Source: https://exaly.com/author-pdf/3136074/shiwen-yang-publications-by-citations.pdf

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

268 papers

4,464 citations

35 h-index 56 g-index

368 ext. papers

5,834 ext. citations

3.2 avg, IF

6.18 L-index

#	Paper	IF	Citations
268	Sideband suppression in time-modulated linear arrays by the differential evolution algorithm. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2002 , 1, 173-175	3.8	262
267	Design of a uniform amplitude time modulated linear array with optimized time sequences. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 2337-2339	4.9	177
266	A new technique for power-pattern synthesis in time-modulated linear arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2003 , 2, 285-287	3.8	126
265	4-D Arrays as Enabling Technology for Cognitive Radio Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1102-1116	4.9	113
264	A NOVEL ELECTRONIC BEAM STEERING TECHNIQUE IN TIME MODULATED ANTENNA ARRAY. <i>Progress in Electromagnetics Research</i> , 2009 , 97, 391-405	3.8	112
263	. IEEE Transactions on Antennas and Propagation, 2014 , 62, 4392-4395	4.9	110
262	Directional Modulation Based on 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 621-628	4.9	108
261	Direction of Arrival Estimation in Time Modulated Linear Arrays With Unidirectional Phase Center Motion. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1105-1111	4.9	104
260	Design of a Low Sidelobe Time Modulated Linear Array With Uniform Amplitude and Sub-Sectional Optimized Time Steps. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4436-4439	4.9	99
259	A Simple and Accurate TDOA-AOA Localization Method Using Two Stations. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 144-148	3.2	98
258	The Application of a Modified Differential Evolution Strategy to Some Array Pattern Synthesis Problems. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 1919-1927	4.9	89
257	Antenna-array pattern nulling using a differential evolution algorithm. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2004 , 14, 57-63	1.5	84
256	Evaluation of directivity and gain for time-modulated linear antenna arrays. <i>Microwave and Optical Technology Letters</i> , 2004 , 42, 167-171	1.2	80
255	Decoupling and Low-Profile Design of Dual-Band Dual-Polarized Base Station Antennas Using Frequency-Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5272-5281	4.9	69
254	. IEEE Transactions on Antennas and Propagation, 2010 , 58, 2442-2447	4.9	64
253	Comparative Study of Low Sidelobe Time Modulated Linear Arrays with Different Time Schemes. Journal of Electromagnetic Waves and Applications, 2004 , 18, 1443-1458	1.3	56
252	Linear antenna arrays with bidirectional phase center motion. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 1829-1835	4.9	51

251	. IEEE Transactions on Antennas and Propagation, 2017 , 65, 368-374	4.9	50
250	Wide-Angle Scanning Phased Array Using an Efficient Decoupling Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5161-5165	4.9	49
249	A Novel Broadband Printed Dipole Antenna With Low Cross-Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 3091-3093	4.9	49
248	Broadband, Single-Layer Dual Circularly Polarized Reflectarrays With Linearly Polarized Feed. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4235-4241	4.9	48
247	Millimeter-Wave Circularly Polarized Tapered-Elliptical Cavity Antenna With Wide Axial-Ratio Beamwidth. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 811-814	4.9	48
246	Accurate Models of Time-Invariant Beampatterns for Frequency Diverse Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3022-3029	4.9	47
245	A Compact Dual-Polarized Double E-Shaped Patch Antenna With High Isolation. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4349-4353	4.9	46
244	Optimization of novel high-power millimeter-wave TM/sub 01/-TE/sub 11/ mode converters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1997 , 45, 552-554	4.1	45
243	A Study on the Application of Time Modulated Antenna Arrays to Airborne Pulsed Doppler Radar. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 1579-1583	4.9	42
242	. IEEE Transactions on Antennas and Propagation, 2018 , 66, 476-480	4.9	41
242	A Novel Stacked Antenna Configuration and its Applications in Dual-Band Shared-Aperture Base Station Antenna Array Designs. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7234-7241	4.9	41
·	A Novel Stacked Antenna Configuration and its Applications in Dual-Band Shared-Aperture Base		
241	A Novel Stacked Antenna Configuration and its Applications in Dual-Band Shared-Aperture Base Station Antenna Array Designs. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7234-7241 Octave Bandwidth Transmitarrays With a Flat Gain. <i>IEEE Transactions on Antennas and Propagation</i> ,	4.9	41
241	A Novel Stacked Antenna Configuration and its Applications in Dual-Band Shared-Aperture Base Station Antenna Array Designs. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7234-7241 Octave Bandwidth Transmitarrays With a Flat Gain. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5231-5238 Wide-Angle Beam-Scanning Reflectarray With Mechanical Steering. <i>IEEE Transactions on Antennas</i>	4·9 4·9	41 40
241 240 239	A Novel Stacked Antenna Configuration and its Applications in Dual-Band Shared-Aperture Base Station Antenna Array Designs. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7234-7241 Octave Bandwidth Transmitarrays With a Flat Gain. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5231-5238 Wide-Angle Beam-Scanning Reflectarray With Mechanical Steering. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 172-181	4·9 4·9 4·9	41 40 38
241 240 239 238	A Novel Stacked Antenna Configuration and its Applications in Dual-Band Shared-Aperture Base Station Antenna Array Designs. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7234-7241 Octave Bandwidth Transmitarrays With a Flat Gain. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5231-5238 Wide-Angle Beam-Scanning Reflectarray With Mechanical Steering. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 172-181 . <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 117-125 Sidelobe Suppression in Time Modulated Linear Arrays with Unequal Element Spacing. <i>Journal of</i>	4·9 4·9 4·9	41 40 38 38
241 240 239 238	A Novel Stacked Antenna Configuration and its Applications in Dual-Band Shared-Aperture Base Station Antenna Array Designs. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7234-7241 Octave Bandwidth Transmitarrays With a Flat Gain. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5231-5238 Wide-Angle Beam-Scanning Reflectarray With Mechanical Steering. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 172-181 . <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 117-125 Sidelobe Suppression in Time Modulated Linear Arrays with Unequal Element Spacing. <i>Journal of Electromagnetic Waves and Applications</i> , 2010 , 24, 775-783 Gain Improvement in Time-Modulated Linear Arrays Using SPDT Switches. <i>IEEE Antennas and</i>	4.9 4.9 4.9 1.3	41 40 38 38 36

233	Wideband Folded Reflectarray Using Novel Elements With High Orthogonal Polarization Isolation. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3195-3200	4.9	35
232	Mutual coupling compensation in time modulated linear antenna arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 4182-4185	4.9	34
231	A 2-D Multibeam Half Maxwell Fish-Eye Lens Antenna Using High Impedance Surfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 365-368	3.8	32
230	Moving phase center antenna arrays with optimized static excitations. <i>Microwave and Optical Technology Letters</i> , 2003 , 38, 83-85	1.2	32
229	Full-Wave Simulation of Time Modulated Linear Antenna Arrays in Frequency Domain. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 1479-1482	4.9	31
228	Ku-Band Transmitarrays With Improved Feed Mechanism. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2883-2891	4.9	30
227	Pattern Synthesis of 4-D Irregular Antenna Arrays Based on Maximum-Entropy Model. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3048-3057	4.9	28
226	SIMULATION OF TIME MODULATED LINEAR ANTENNA ARRAYS USING THE FDTD METHOD. <i>Progress in Electromagnetics Research</i> , 2009 , 98, 175-190	3.8	28
225	Synthesis of Uniform Amplitude Thinned Linear Phased Arrays Using the Differential Evolution Algorithm. <i>Electromagnetics</i> , 2007 , 27, 287-297	0.8	28
224	. IEEE Transactions on Antennas and Propagation, 2019 , 67, 5353-5361	4.9	27
224	. IEEE Transactions on Antennas and Propagation, 2019, 67, 5353-5361 Convex Optimization of Pencil Beams Through Large-Scale 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2018, 66, 3453-3462	4·9 4·9	27
	Convex Optimization of Pencil Beams Through Large-Scale 4-D Antenna Arrays. <i>IEEE Transactions</i>		
223	Convex Optimization of Pencil Beams Through Large-Scale 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3453-3462 Harmonic Beamforming in Antenna Array With Time-Modulated Amplitude-Phase Weighting	4.9	27
223	Convex Optimization of Pencil Beams Through Large-Scale 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3453-3462 Harmonic Beamforming in Antenna Array With Time-Modulated Amplitude-Phase Weighting Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6461-6472 Practical Implementation of Wideband and Wide-Scanning Cylindrically Conformal Phased Array.	4·9 4·9	² 7
223	Convex Optimization of Pencil Beams Through Large-Scale 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3453-3462 Harmonic Beamforming in Antenna Array With Time-Modulated Amplitude-Phase Weighting Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6461-6472 Practical Implementation of Wideband and Wide-Scanning Cylindrically Conformal Phased Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5729-5733 Microstrip Array Antenna With 2-D Steerable Focus in Near-Field Region. <i>IEEE Transactions on</i>	4·9 4·9 4·9	27 27 26
223 222 221 220	Convex Optimization of Pencil Beams Through Large-Scale 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3453-3462 Harmonic Beamforming in Antenna Array With Time-Modulated Amplitude-Phase Weighting Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6461-6472 Practical Implementation of Wideband and Wide-Scanning Cylindrically Conformal Phased Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5729-5733 Microstrip Array Antenna With 2-D Steerable Focus in Near-Field Region. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4607-4617 Synthesis of satellite footprint patterns from time-modulated planar arrays with very low dynamic range ratios. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> ,	4·9 4·9 4·9	27 27 26 26
223 222 221 220 219	Convex Optimization of Pencil Beams Through Large-Scale 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3453-3462 Harmonic Beamforming in Antenna Array With Time-Modulated Amplitude-Phase Weighting Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6461-6472 Practical Implementation of Wideband and Wide-Scanning Cylindrically Conformal Phased Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5729-5733 Microstrip Array Antenna With 2-D Steerable Focus in Near-Field Region. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4607-4617 Synthesis of satellite footprint patterns from time-modulated planar arrays with very low dynamic range ratios. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2008 , 21, 493-506 Bandwidth Enhancement of a Dual-Polarized Slot Antenna Using Characteristic Modes. <i>IEEE</i>	4.9 4.9 4.9	27 27 26 26

215	. IEEE Transactions on Antennas and Propagation, 2017, 65, 7063-7072	4.9	24
214	Characteristic Mode Formulation for Dielectric Coated Conducting Bodies. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1248-1258	4.9	23
213	Time-modulated array antennas Itheory, techniques, and applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2019 , 33, 1503-1531	1.3	23
212	. IEEE Transactions on Antennas and Propagation, 2019 , 67, 4257-4262	4.9	23
211	Improving conflicting specifications of time-modulated antenna arrays by using a multiobjective evolutionary algorithm. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2012 , 25, 205-215	1	22
210	. IEEE Transactions on Antennas and Propagation, 2019 , 67, 676-680	4.9	22
209	An Improved Phase Modulation Technique Based on Four-Dimensional Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1175-1178	3.8	21
208	. IEEE Antennas and Wireless Propagation Letters, 2019 , 18, 467-471	3.8	21
207	. IEEE Antennas and Wireless Propagation Letters, 2019 , 18, 378-382	3.8	21
206	Generalized Characteristic-Mode Formulation for Composite Structures With Arbitrarily MetallicDielectric Combinations. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3556-3566	4.9	20
205	Helical Torsion Coaxial Cable for Dual-Band Shared-Aperture Antenna Array Decoupling. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6128-6135	4.9	20
204	Phased Transmitarray Antennas for 1-D Beam Scanning. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 358-362	3.8	20
203	A Joint Optimization Approach for the Synthesis of Large 4-D Heterogeneous Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4585-4594	4.9	19
202	Nonuniform FSS-Backed Reflectarray With Synthesized Phase and Amplitude Distribution. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6883-6892	4.9	19
201	Integration of 5G Rectangular MIMO Antenna Array and GSM Antenna for Dual-Band Base Station Applications. <i>IEEE Access</i> , 2020 , 8, 63175-63187	3.5	18
200	A Study on the Application of Subarrayed Time-Modulated Arrays to MIMO Radar. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1171-1174	3.8	18
199	A Study on Linear Frequency Modulation Signal Transmission by 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5409-5416	4.9	18
198	Synthesis of Optimal Sum and Difference Patterns from Time Modulated Hexagonal Planar Arrays. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 933-945		18

197	Time-Modulated Arrays for Physical Layer Secure Communications: Optimization-Based Synthesis and Experimental Assessment. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6939-6949	4.9	18
196	. IEEE Access, 2020 , 8, 65155-65163	3.5	17
195	Signal-to-noise ratio and time-modulated signal spectrum in four-dimensional antenna arrays. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 264-270	1.6	17
194	. IEEE Antennas and Propagation Magazine, 2010 , 52, 168-177	1.7	17
193	Time modulated planar arrays with square lattices and circular boundaries. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2005 , 18, 469-480	1	17
192	Dual-Band Shared-Aperture Base Station Antenna Array With Electromagnetic Transparent Antenna Elements. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 5596-5606	4.9	17
191	DESIGN AND ANALYSIS OF WIDEBAND PLANAR MONOPOLE ANTENNAS USING THE MULTILEVEL FAST MULTIPOLE ALGORITHM. <i>Progress in Electromagnetics Research B</i> , 2009 , 15, 95-112	0.7	16
190	In-Band Radar Cross-Section Reduction of Slot Antenna Using Characteristic Modes. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1166-1170	3.8	16
189	Conformal Phased Array Antenna for Unmanned Aerial Vehicle With $\pm 70\%$ Scanning Range. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4580-4587	4.9	16
188	Adaptive Nulling with Time-Modulated Antenna Arrays Using a Hybrid Differential Evolution Strategy. <i>Electromagnetics</i> , 2010 , 30, 574-588	0.8	15
187	Application of Characteristic Mode Theory in HF Band Aircraft-Integrated Multiantenna System Designs. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 513-521	4.9	15
186	. IEEE Transactions on Antennas and Propagation, 2018 , 66, 5907-5917	4.9	14
185	A NOVEL WIDEBAND ANTENNA ARRAY WITH TIGHTLY COUPLED OCTAGONAL RING ELEMENTS. Progress in Electromagnetics Research, 2012 , 124, 55-70	3.8	14
184	Numerical modelling of 8mm TM01-TE11 mode converter. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1995 , 16, 1935-1943		14
183	Low-Profile Transmitarray Antenna With Cassegrain Reflectarray Feed. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3079-3088	4.9	14
182	OAM-Generating Transmitarray Antenna With Circular Phased Array Antenna Feed. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4540-4548	4.9	13
181	Low-Cost 1-D Beam-Steering Reflectarray With ⊕70°L Scan Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5009-5014	4.9	12
180	Efficient Pencil Beam Synthesis in 4-D Antenna Arrays Using an Iterative Convex Optimization Algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6847-6858	4.9	12

(2002-2010)

179	A Hybrid Analog-Digital Adaptive Beamforming in Time-Modulated Linear Arrays. <i>Electromagnetics</i> , 2010 , 30, 356-364	0.8	12	
178	Design of a Tapered Balun for Broadband Arrays With Closely Spaced Elements. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009 , 8, 1291-1294	3.8	12	
177	Design of high-power Millimeter-wave TM/sub 01/-TE/sub 11/Mode converters by the differential evolution algorithm. <i>IEEE Transactions on Plasma Science</i> , 2005 , 33, 1372-1376	1.3	12	
176	4-D Retro-Directive Antenna Arrays for Secure Communication Based on Improved Directional Modulation. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5926-5933	4.9	12	
175	Direction finding based on TMAs with reconfigurable angle-searching range and bearing accuracy. <i>Electronics Letters</i> , 2017 , 53, 130-132	1.1	11	
174	. IEEE Antennas and Wireless Propagation Letters, 2018 , 17, 118-121	3.8	11	
173	Direction Finding Using Multiple Sum and Difference Patterns in 4D Antenna Arrays. <i>International Journal of Antennas and Propagation</i> , 2014 , 2014, 1-12	1.2	11	
172	A STUDY OF AM AND FM SIGNAL RECEPTION OF TIME MODULATED LINEAR ANTENNA ARRAYS. <i>Progress in Electromagnetics Research Letters</i> , 2009 , 7, 171-181	0.5	11	
171	Low Cross-Polarization Ultrawideband Tightly Coupled Balanced Antipodal Dipole Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4479-4488	4.9	11	
170	Wide-Scanning Conformal Phased Array Antenna for UAV Radar Based on Polyimide Film. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1581-1585	3.8	11	
169	Wideband Wide-Scanning Phased Array in Triangular Lattice With Electromagnetic Bandgap Structures. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 422-426	3.8	10	
168	. IEEE Transactions on Antennas and Propagation, 2020 , 68, 7927-7936	4.9	10	
167	Low-Profile High-Gain and Wide-Angle Beam Scanning Phased Transmitarray Antennas. <i>IEEE Access</i> , 2020 , 8, 34276-34285	3.5	10	
166	Wide-Angle Scanning Lens Fed by Small-Scale Antenna Array for 5G in Millimeter-Wave Band. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3635-3643	4.9	10	
165	Reducing the Number of Elements in the Synthesis of a Broadband Linear Array With Multiple Simultaneous Frequency-Invariant Beam Patterns. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5838-5848	4.9	10	
164	K/Ka Dual-Band Reflectarray Subreflector for Ring-Focus Reflector Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1567-1571	3.8	10	
163	Design of a novel monopulse antenna system using the time-modulated antenna arrays. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2010 , 20, 163-169	1.5	10	
162	Broadband conical printed quadrifilar helical antenna with integrated feed network. <i>Microwave and Optical Technology Letters</i> , 2002 , 35, 491-493	1.2	10	

161	A 3-D-Printed Multibeam Spherical Lens Antenna With Ultrawide-Angle Coverage. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 411-415	3.8	10
160	Synthesis of large-scale non-uniformly spaced 4D arrays using an IFT method. <i>IET Microwaves,</i> Antennas and Propagation, 2018 , 12, 1973-1977	1.6	10
159	In-Band Scattering Reduction of Wideband Phased Antenna Arrays With Enhanced Coupling Based on Phase-Only Optimization Techniques. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5297	- \$3 07	9
158	Design and discussion of a broadband cross-dipole with high isolation and low cross-polarisation utilising strong mutual coupling. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 315-322	1.6	9
157	Millimeter-wave Low Sidelobe Time Modulated Linear Arrays with Uniform Amplitude Excitations. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 531-540		9
156	In-Band Scattering Reduction for a U-Slot Patch Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 312-316	3.8	9
155	Complete and Unified Time- and Frequency-Domain Study on 4-D Antenna Arrays Including Mutual Coupling Effect. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 824-837	4.9	9
154	LPI Beamforming Based on 4-D Antenna Arrays With Pseudorandom Time Modulation. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2068-2077	4.9	9
153	Defocused Cylindrical Luneburg Lens Antennas With Phased Array Antenna Feed. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6008-6016	4.9	8
152	Transmit Beamforming Based on 4-D Antenna Arrays for Low Probability of Intercept Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3625-3634	4.9	8
151	Ultrawideband Low-Profile Transmitarray With Vivaldi Array Feed. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3265-3270	4.9	8
150	Near-Field Focused Array Antenna With Frequency-Tunable Focal Distance. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3401-3410	4.9	8
149	A low profile dual-band dual-polarized patch antenna array with integrated feeding network for pico-base station applications. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1594-1600	1.2	8
148	Pattern Synthesis with Specified Broad Nulls in Time-Modulated Circular Antenna Arrays. <i>Electromagnetics</i> , 2011 , 31, 355-367	0.8	8
147	Synthesis of Low and Equal-Ripple Sidelobe Patterns in Time-Modulated Circular Antenna Arrays. Journal of Infrared, Millimeter, and Terahertz Waves, 2009 , 30, 802-812	2.2	8
146	Multiple Patterns from Time-Modulated Linear Antenna Arrays. <i>Electromagnetics</i> , 2008 , 28, 562-571	0.8	8
145	A novel E-shape radiation pattern reconfigurable microstrip antenna for broadband, wide-beam, high-gain applications. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 2052-2054	1.2	8
144	Synthesis of Irregular Phased Arrays Subject to Constraint on Directivity via Convex Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4235-4240	4.9	8

(2021-2019)

143	Two-Dimensional Imaging Based on Near-Field Focused Array Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 274-278	3.8	8	
142	A Low Cost, Low in-Band RCS Microstrip Phased-Array Antenna With Integrated 2-bit Phase Shifter. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4517-4526	4.9	8	
141	Phased Hemispherical Lens Antenna for 1-D Wide-Angle Beam Scanning. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7617-7621	4.9	7	
140	Modified corner-fed dual-polarised stacked patch antenna for micro-base station applications. <i>Electronics Letters</i> , 2015 , 51, 604-606	1.1	7	
139	. IEEE Transactions on Antennas and Propagation, 2020 , 68, 6098-6108	4.9	7	
138	Reflectarray Antenna Design With Arbitrary Incident and Reflection Beam Angle. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5964-5973	4.9	7	
137	Focused Array Antenna Based on Subarrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 888-891	3.8	7	
136	A double-layered printed dipole antenna with parasitic strips. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1517-1520	1.2	7	
135	Study of Low Sidelobe Time Modulated Linear Antenna Arrays at Millimeter-Waves. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005 , 26, 443-456		7	
134	A Hybrid Approach for the Synthesis of Nonuniformly-Spaced Linear Subarrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 195-205	4.9	7	
133	Cross Band Mutual Coupling Reduction in Dual Band Base Station Antennas with a Novel Grid Frequency Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	7	
132	Realization of multiple orbital angular momentum modes simultaneously through four-dimensional antenna arrays. <i>Scientific Reports</i> , 2018 , 8, 149	4.9	6	
131	Fast Analysis of Parallel-Plate Cylindrical Luneberg Lens Antennas Through Dyadic Green Functions. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 4327-4337	4.1	6	
130	. IEEE Access, 2019 , 7, 118402-118410	3.5	6	
129	Band-notched UWB planar antenna with parasitic spiral strips. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 1532-1535	1.2	6	
128	A Pattern Synthesis Approach in Four-Dimensional Antenna Arrays with Practical Element Models. Journal of Electromagnetic Waves and Applications, 2011 , 25, 2274-2286	1.3	6	
127	FDTD design of a novel short backfire antenna for millimeter-wave wireless LAN applications 2000 , 24, 348-349		6	
126	A Ferrite-Loaded Ultra-Low Profile Ultra-Wideband Tightly Coupled Dipole Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	6	

125	Synthesis of Low-Sidelobe 4-D Heterogeneous Antenna Arrays Including Mutual Coupling Using Iterative Convex Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 329-340	4.9	6
124	Mixed-Potential Integral Equation Based Characteristic Mode Analysis of Microstrip Antennas. <i>International Journal of Antennas and Propagation</i> , 2016 , 2016, 1-8	1.2	6
123	Generalized Closed-Form Sidebands Radiation Expressions for 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 1193-1197	4.9	6
122	Hybrid Directional Modulation and Beamforming for Physical Layer Security Improvement Through 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 5903-5912	4.9	6
121	Metamaterial cavity for the isolation enhancement of closely positioned dual-polarized relay antenna arrays. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 857-862	1.2	5
120	Extremely low-profile wideband dual-polarized microstrip antenna for micro-base-station applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2017 , 27, e21091	1.5	5
119	. IEEE Access, 2020 , 8, 14013-14023	3.5	5
118	A wideband horizontally polarized omnidirectional antenna for LTE indoor base stations. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2112-2116	1.2	5
117	Pattern synthesis approach for circularly polarised four-dimensional antenna arrays. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1004-1008	1.6	5
116	A Practical Array Pattern Synthesis Approach Including Mutual Coupling Effects. <i>Electromagnetics</i> , 2007 , 27, 53-63	0.8	5
115	DESIGN AND OPTIMIZATION OF SPHERICAL LENS ANTENNAS INCLUDING PRACTICAL FEED MODELS. <i>Progress in Electromagnetics Research</i> , 2011 , 120, 355-370	3.8	5
114	2D flat Luneburg lens antenna for multibeam scanning application. <i>Electronics Letters</i> , 2019 , 55, 1317-7	311.8	5
113	Dual-Beam Rectenna Based on a Short Series-Coupled Patch Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 5617-5630	4.9	5
112	Dual-polarized metamaterial cavity-backed antennas for mutual coupling reduction. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 957-968	1.3	4
111	Aircraft-Integrated VHF Band Antenna Array Designs Using Characteristic Modes. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7358-7369	4.9	4
110	Dual-Polarized Planar Phased Array Antenna With Cavity-Backed Elements. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1736-1740	3.8	4
109	DESIGN OF A LOW SIDELOBE 4D PLANAR ARRAY INCLUDING MUTUAL COUPLING. <i>Progress in Electromagnetics Research M</i> , 2013 , 31, 103-116	0.6	4
108	Adaptive beamforming in time modulated antenna arrays based on beamspace data 2009,		4

(2009-2010)

107	Shaped patterns synthesis in time-modulated antenna arrays with static uniform amplitude and phase excitations. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2010 , 5, 179-184		4	
106	Adaptive nulling in time-modulated antenna arrays 2008,		4	
105	Short backfire antennas for wireless LAN applications at millimeter-waves		4	
104	A rigorous study of the rf fields in complex cavities with gradual transitions. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1996 , 17, 1895-1906		4	
103	A Self-Decoupling Method for Antenna Arrays Using High-Order Characteristic Modes. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4	
102	Phase Modulation Technique for Harmonic Beamforming in Time-Modulated Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4	
101	High-Directivity Optimization Technique for Irregular Arrays Combined With Maximum Entropy Model. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 3913-3923	4.9	4	
100	An effective hybrid approach for the synthesis of pencil beams and shaped beams through 4D linear antenna arrays with constrained DRR. <i>Journal of Electromagnetic Waves and Applications</i> , 2019 , 33, 584-600	1.3	4	
99	A lightweight multi-beam cylindrical Luneberg lens antenna loaded with multiple dielectric posts. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21511	1.5	4	
98	In-Band Scattering and Radiation Tradeoff of Broadband Phased Arrays Based on Scattering-Matrix Approach. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4	
97	Synthesis of Sparse Antenna Arrays Subject to Constraint on Directivity via Iterative Convex Optimization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1498-1502	3.8	4	
96	Radar Cross Section Reduction of Wideband Vivaldi Antenna Arrays with Array-Level Scattering Cancellation. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	4	
95	A compact wideband dual-polarized linear array with hybrid structure and resistive loadings. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21736	1.5	3	
94	Low-profile dipole array fed transmitarray 2017,		3	
93	4D antenna arrays for LFM signal transmission 2015 ,		3	
92	Experimental Investigation of Wide-Angle Impedance Matching of Phased Array Using Overlapped Feeding Network. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1284-1287	3.8	3	
91	The role of ground plane plays in wideband phased array antenna 2010,		3	
90	Mutual-Coupling Compensation in Time-Modulated Antenna Arrays for Flat-Top Pattern Synthesis. <i>Electromagnetics</i> , 2009 , 29, 499-507	0.8	3	

89	A novel radiation pattern reconfigurable microstrip antenna for wide-angle scanning application in phased antenna array. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1539-1540	1.2	3
88	A novel reconfigurable circular polarization patch antenna. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1921-1923	1.2	3
87	A new method for the design of a quasi-optical mode converter with a special reflector. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2002 , 50, 1849-1852	4.1	3
86	A Novel Method for Maximum Directivity Synthesis of Irregular Phased Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	3
85	A Low-Profile Triple-Band Shared-Aperture Antenna Array for 5G Base Station Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
84	Dual-polarized stacked microstrip antenna with trident-shaped baluns for MIMO array development. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22736	1.5	3
83	In-Band SCS Reduction of Microstrip Phased Array Based on Impedance Matching Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
82	A Novel Printed Dual-Log-Periodic Array Antenna for UHF Near-Field RFID Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 7418-7423	4.9	3
81	. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2414-2418	3.8	3
80	. IEEE Antennas and Wireless Propagation Letters, 2021 , 20, 1503-1507	3.8	3
79	Efficient synthesis of 4D antenna arrays using a bitwise evolutionary genetic algorithm. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2015 , 28, 310-320	1	2
78	Efficient Synthesis of Irregularly Shaped Radiation Patterns Based on Four-Dimensional Planar Arrays and Post-Processing. <i>Electromagnetics</i> , 2015 , 35, 429-442	0.8	2
77	Pattern Synthesis of a Time-modulated Vivaldi Linear Array with MOEA/D Algorithm 2019,		2
76	The Four Dimensional Linear Antenna Arrays 2006 ,		2
75	Analysis of High Power Millimeter Wave Waveguide Mode Converters with Input Mode Mixture. Journal of Infrared, Millimeter and Terahertz Waves, 2000 , 21, 219-230		2
74	Novel low profile ultra-wideband capacitance loaded log-periodic monopole array with reduced transverse dimension. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1443-1449	1.6	2
73	DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 771-783	6.8	2
7 2	Dual-Polarized Ultrawideband Eleven Antenna Fed by Modified Passive Balun. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1600-1604	3.8	2

(2009-2021)

71	Low Scattering Patch Array Antenna Based on Grooved Ground. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 308-312	3.8	2
70	A Cylindrical Lens Antenna With Extremely Flat Beams. <i>IEEE Access</i> , 2019 , 7, 156675-156685	3.5	2
69	Synthesis of large-scale thinned arrays based on a multiagent genetic algorithm. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22522	1.5	2
68	Design of A Low-profile and Low Scattering Wideband Planar Phased Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
67	Lightweight, Solderless, Ultra-Wideband Transmitarray Antenna with True Time Delay Line. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	2
66	Efficient Synthesis of Filter-and-Sum Array With Scanned Wideband Frequency-Invariant Beam Pattern and Space-Frequency Notching. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 384-388	3.2	2
65	Integrated Coupler-Antenna Design for Multi-Beam Dual-Polarized Patch-Array Rectenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
64	A low-profile wide-scanning fully metallic lens antenna for 5G communication. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22584	1.5	2
63	A Cylindrical Luneberg Lens Antenna with Extremely Wide Fan-Beam 2018,		2
62	Design and analysis of an amplitude-phase weighting module for harmonic beamforming in time-modulated antenna arrays. <i>AEU - International Journal of Electronics and Communications</i> , 2021 , 138, 153835	2.8	2
61	HF band aircraft integrated multi-antenna system designs using characteristic modes 2017,		1
60	2017,		1
59	4D-arrays for MIMO radar applications 2014 ,		1
58	A phase-comparison monopulse system based on a 4D antenna array 2014 ,		1
57	A QPSK modulation scheme based on four dimensional antenna arrays 2012,		1
56	Design of a dual-band quadrifilar helix antenna 2012 ,		1
55	Power-pattern synthesis in time modulated semicircular arrays. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		1
54	A novel beam scanning technique in time modulated linear arrays. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		1

53	Analysis and design of Luneberg lens antenna with simultaneous Ku/K/Ka-band feed-system 2012,		1
52	A Projection-Based Approach for Ultra-Low Side-Lobe Pattern Synthesis in Time-Modulated Spherical Arrays. <i>Electromagnetics</i> , 2012 , 32, 61-76	0.8	1
51	Efficient analysis of wireless communication antennas using an accurate [Z] matrix interpolation technique. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2010 , 20, 382-390	1.5	1
50	Conformal Frequency Reconfigurable Microstrip Antenna on a Thin Substrate for Wide-Band Applications. <i>Electromagnetics</i> , 2008 , 28, 427-432	0.8	1
49	Synthesis of low sidelobe planar antenna arrays with time modulation		1
48	TLM analysis of mutual coupling of microstrip patch antenna array. <i>IET Microwaves Antennas and Propagation</i> , 2000 , 147, 207		1
47	An Electromagnetic-Transparent Cascade Comb Dipole Antenna for Multi-Band Shared-Aperture Base Station Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
46	Design of Phase Modulation Antenna Array With Stable Overall Efficiencies. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022 , 21, 282-286	3.8	1
45	A Novel In-Band Scattering Cancellation Technique for Vivaldi Antenna Array 2021,		1
44	In-Band Scattering Cancellation Techniques for Vivaldi Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
43	A wide-scanning ellipsoid lens antenna fed by phased array antenna. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22127	1.5	1
42	2-D Wide-Scanning Flat Luneburg Lens Antenna for 5G Communication 2020 ,		1
41	Improving Physical Layer Security Technique Based on 4-D Antenna Arrays with Pre-Modulation 2020 ,		1
40	A quadrature-hybrid-integrated reconfigurable feeding network for wideband quad-polarization-agile antenna design. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22641	1.5	1
39	Linear Phased Array Antenna Fed by the Modified Dielectric Image Line. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 733-737	3.8	1
38	A Thinned Irregular Array Synthesis Approach Based on Benders Decomposition. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 3875-3885	4.9	1
37	Wideband terahertz frequency-scanning reflectarray 2016,		1
36	A miniaturized wideband dual-polarized linear array with balanced antipodal Vivaldi antenna 2016 ,		1

35	Space-Time Coding through Time-Modulated Arrays - State-of-the-Art and Recent Trend/Advances 2019 ,		1
34	Time-Modulated Beamforming in Antenna Arrays with Multiple Sub-Branch RF Switches 2019 ,		1
33	2019,		1
32	Synthesis of Sparse Array With Sum and Difference Patterns Under Minimum Element Spacing Control by Alternating Linear Programming Optimization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	1
31	Dual-Polarized Filtering Transmitarray Antennas With Low-Scattering Characteristic. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
30	Black Box Method for The Radiation and Scattering Optimization of TCDA 2018,		1
29	AMillimeter-Wave Phased Array Fed Biconvex Lens Antenna 2018,		1
28	An active, ultra-wideband dual-polarized tightly coupled dipole subarray for satellite communication. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e228-	49 ^{1.5}	1
27	Design of a Low-Crosstalk Sub-Wavelength-Pitch Silicon Waveguide Array for Optical Phased Array. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-8	1.8	1
26	Calculation of the Total Radiated Power for 4-D Antenna Arrays with Arbitrary Time Modulated Waveforms. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
25	Directional Modulation in Time-Modulated Array With a Novel Pseudorandom Ascending Phase Time Sequence. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	1
24	Ultra-Low Scattering Design of Wideband Conformal Arrays Based on Optimally Loaded Resistors. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
23	Conformal Array Antenna for Applications in Wide-Scanning Phased Array Antenna Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022 , 1-1	3.8	1
22	Teaching Electromagnetics to Next-Generation EngineersThe ELEDIA Recipe: The ELEDIA teaching style. <i>IEEE Antennas and Propagation Magazine</i> , 2020 , 62, 50-61	1.7	Ο
21	A Variable Step Length Hybrid Approach for Electromagnetic Ray Tracing in Ionosphere. <i>Electromagnetics</i> , 2007 , 27, 331-340	0.8	О
20	FDTD design of bifilar and quadrifilar truncated spherical helical antennas. <i>Microwave and Optical Technology Letters</i> , 2001 , 30, 246-249	1.2	O
19	A Vector Modulation Approach for Secure Communications Based on 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	О
18	An Irregular Tiled Array Technique for Massive MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	O

17	Integrative Transmitarray with Gain-Filtering and Low-Scattering Characteristics. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	О
16	Magnetoelectric composite coupled by bonding material in energy trapping vibration for RF/microwave devices. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 669-674	1.2	O
15	Synthesis of Simultaneous Sum and Difference Patterns in Single-Channel 1-bit Time Modulated Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022 , 1-1	3.8	О
14	Low-Scattering-Cross-Section Thinned Phased Array Antenna Based on Active Cancellation Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	O
13	A Wideband Frequency and Polarization Reconfigurable Liquid Metal-Based Spiral Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022 , 1-1	3.8	О
12	Correction to Microstrip Array Antenna With 2-D Steerable Focus in Near-Field Region[Sep 17 4607-4617]. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2475-2475	4.9	
11	Enhancing the Convergence Speed of Space Mapping Technique in Cylinder Conformal Antennas Optimization. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009 , 31, 162	2.2	
10	Reply to Comments on A Novel Broadband Printed Dipole Antenna With Low Cross-Polarization IEEE Transactions on Antennas and Propagation, 2008, 56, 1506-1506	4.9	
9	Design of Modified Short Backfire Antennas for Millimeter-Waves Wireless LAN Applications. Journal of Infrared, Millimeter and Terahertz Waves, 2002 , 23, 755-764		
8	A numerical study on the influence of an input mode mixture in high-power microwave waveguide mode converters 2000 , 24, 129-131		
7	Wideband Receive Beamforming Based on 4-D Antenna Arrays With Post-Modulation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022 , 1-1	3.8	
6	One-dimensional conformal ultra-wideband connected slot arrays with reduced scattering. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22802	1.5	
5	Fast analysis of scattering from metallic-dielectric composite large antenna arrays using characteristic modes. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2021 , 34, e2862	1	
4	A Novel 3-D-NUFFT Method for the Efficient Calculation of the Array Factor of Conformal Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	
3	Ultra-wideband dual-polarized transmitarray antenna with Vivaldi elements. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22892	1.5	
2	Efficient Secure Communication in 4-D Antenna Arrays through Joint Space-Time Modulation. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	
1	Integrated Radar and Communication Design with Low Probability of Intercept Based on 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	