

Shiwen Yang

List of Publications by Year in Descending Order

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

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	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	
267	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
266	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
265	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
264	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	
263	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
262	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	0
261	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	0
260	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
259	A Wideband Frequency and Polarization Reconfigurable Liquid Metal-Based Spiral Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022 , 1-1	3.8	0
258	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	
257	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
256	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
255	A Novel In-Band Scattering Cancellation Technique for Vivaldi Antenna Array 2021 ,		1
254	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
253	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	0
252	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

251	In-Band Scattering Cancellation Techniques for Vivaldi Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
250	An Irregular Tiled Array Technique for Massive MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	0
249	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
248	Integrative Transmitarray with Gain-Filtering and Low-Scattering Characteristics. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	0
247	Phase Modulation Technique for Harmonic Beamforming in Time-Modulated Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4
246	Low Scattering Patch Array Antenna Based on Grooved Ground. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 308-312	3.8	2
245	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
244	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
243	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
242	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
241	One-dimensional conformal ultra-wideband connected slot arrays with reduced scattering. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22802	1.5	
240	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
239	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
238	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
237	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
236	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
235	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
234	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

233	Dual-Polarized Filtering Transmitarray Antennas With Low-Scattering Characteristic. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
232	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	
231	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
230	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
229	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
228	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	
227	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
226	In-Band RCS Reduction of Microstrip Phased Array Based on Impedance Matching Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
225	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
224	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
223	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
222	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 1503-1507	3.8	3
221	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
220	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, e22849	4.5	1
219	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
218	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
217	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
216	Conformal Phased Array Antenna for Unmanned Aerial Vehicle With $\pm 70^\circ$ Scanning Range. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4580-4587	4.9	16

215	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
214	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	
213	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
212	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
211	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
210	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7927-7936	4.9	10
209	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, 5297-5307	4.9	9
208	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
207	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
206	Ultrawideband Low-Profile Transmitarray With Vivaldi Array Feed. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3265-3270	4.9	8
205	Teaching Electromagnetics to Next-Generation Engineers—The ELEDIA Recipe: The ELEDIA teaching style. <i>IEEE Antennas and Propagation Magazine</i> , 2020 , 62, 50-61	1.7	0
204	Low-Profile High-Gain and Wide-Angle Beam Scanning Phased Transmitarray Antennas. <i>IEEE Access</i> , 2020 , 8, 34276-34285	3.5	10
203	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
202	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
201	. <i>IEEE Access</i> , 2020 , 8, 14013-14023	3.5	5
200	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	
199	Low-Cost 1-D Beam-Steering Reflectarray With $\approx 70^\circ$ Scan Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5009-5014	4.9	12
198	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

197	. <i>IEEE Access</i> , 2020 , 8, 65155-65163	3.5	17
196	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6098-6108	4.9	7
195	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
194	Magnetolectric 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	0
193	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
192	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
191	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
190	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
189	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
188	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
187	2-D Wide-Scanning Flat Luneburg Lens Antenna for 5G Communication 2020 ,		1
186	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
185	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
184	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
183	Improving Physical Layer Security Technique Based on 4-D Antenna Arrays with Pre-Modulation 2020 ,		1
182	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
181	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
180	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 467-471	3.8	21

179	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
178	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
177	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
176	Time-modulated array antennas Theory, techniques, and applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2019 , 33, 1503-1531	1.3	23
175	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5353-5361	4.9	27
174	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4257-4262	4.9	23
173	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
172	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
171	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
170	. <i>IEEE Access</i> , 2019 , 7, 118402-118410	3.5	6
169	Pattern Synthesis of a Time-modulated Vivaldi Linear Array with MOEA/D Algorithm 2019 ,		2
168	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
167	Practical Implementation of Wideband and Wide-Scanning Cylindrically Conformal Phased Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5729-5733	4.9	26
166	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
165	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
164	Harmonic Beamforming in Antenna Array With Time-Modulated Amplitude-Phase Weighting Technique. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6461-6472	4.9	27
163	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
162	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

161	Low-Profile Transmitarray Antenna With Cassegrain Reflectarray Feed. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3079-3088	4.9	14
160	Space-Time Coding through Time-Modulated Arrays - State-of-the-Art and Recent Trend/Advances 2019 ,		1
159	Time-Modulated Beamforming in Antenna Arrays with Multiple Sub-Branch RF Switches 2019 ,		1
158	A Cylindrical Lens Antenna With Extremely Flat Beams. <i>IEEE Access</i> , 2019 , 7, 156675-156685	3.5	2
157	2D flat Luneburg lens antenna for multibeam scanning application. <i>Electronics Letters</i> , 2019 , 55, 1317-1318		5
156	2019 ,		1
155	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 676-680	4.9	22
154	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 378-382	3.8	21
153	Phased Transmitarray Antennas for 1-D Beam Scanning. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 358-362	3.8	20
152	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
151	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
150	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
149	Bandwidth Enhancement of a Dual-Polarized Slot Antenna Using Characteristic Modes. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 988-992	3.8	25
148	Wideband Wide-Scanning Phased Array With Connected Backed Cavities and Parasitic Striplines. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 1767-1775	4.9	24
147	Wide-Angle Beam-Scanning Reflectarray With Mechanical Steering. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 172-181	4.9	38
146	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 476-480	4.9	41
145	Realization of multiple orbital angular momentum modes simultaneously through four-dimensional antenna arrays. <i>Scientific Reports</i> , 2018 , 8, 149	4.9	6
144	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

143	Convex Optimization of Pencil Beams Through Large-Scale 4-D Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3453-3462	4.9	27
142	Ku-Band Transmitarrays With Improved Feed Mechanism. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2883-2891	4.9	30
141	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
140	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
139	Octave Bandwidth Transmitarrays With a Flat Gain. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5231-5238	4.9	40
138	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 118-121	3.8	11
137	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
136	Fast Analysis of Parallel-Plate Cylindrical Luneberg Lens Antennas Through Dyadic Green's Functions. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 4327-4337	4.1	6
135	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5907-5917	4.9	14
134	Synthesis of large-scale non-uniformly spaced 4D arrays using an IFT method. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 1973-1977	1.6	10
133	Black Box Method for The Radiation and Scattering Optimization of TCDA 2018 ,		1
132	A Cylindrical Luneberg Lens Antenna with Extremely Wide Fan-Beam 2018 ,		2
131	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
130	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
129	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
128	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
127	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2414-2418	3.8	3
126	AMillimeter-Wave Phased Array Fed Biconvex Lens Antenna 2018 ,		1

125	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
124	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
123	Characteristic Mode Formulation for Dielectric Coated Conducting Bodies. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 1248-1258	4.9	23
122	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
121	Direction finding based on TMAs with reconfigurable angle-searching range and bearing accuracy. <i>Electronics Letters</i> , 2017 , 53, 130-132	1.1	11
120	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
119	Pattern Synthesis of Unequally Spaced Linear Arrays Including Mutual Coupling Using Iterative FFT via Virtual Active Element Pattern Expansion. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 3950-3958	4.9	35
118	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
117	Low-profile dipole array fed transmitarray 2017 ,		3
116	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 7063-7072	4.9	24
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