

Shiwen Yang

List of Publications by Year in descending order

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368
papers

7,203
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71662

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368
all docs

368
docs citations

368
times ranked

2700
citing authors

#	ARTICLE	IF	CITATIONS
1	Sideband suppression in time-modulated linear arrays by the differential evolution algorithm. IEEE Antennas and Wireless Propagation Letters, 2002, 1, 173-175.	4.0	356
2	Design of a uniform amplitude time modulated linear array with optimized time sequences. IEEE Transactions on Antennas and Propagation, 2005, 53, 2337-2339.	5.1	239
3	A Simple and Accurate TDOA-AOA Localization Method Using Two Stations. IEEE Signal Processing Letters, 2016, 23, 144-148.	3.7	175
4	A Compact Dual-Polarized Printed Dipole Antenna With High Isolation for Wideband Base Station Applications. IEEE Transactions on Antennas and Propagation, 2014, 62, 4392-4395.	5.1	163
5	Decoupling and Low-Profile Design of Dual-Band Dual-Polarized Base Station Antennas Using Frequency-Selective Surface. IEEE Transactions on Antennas and Propagation, 2019, 67, 5272-5281.	5.1	160
6	A new technique for power-pattern synthesis in time-modulated linear arrays. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 285-287.	4.0	155
7	4-D Arrays as Enabling Technology for Cognitive Radio Systems. IEEE Transactions on Antennas and Propagation, 2014, 62, 1102-1116.	5.1	150
8	A NOVEL ELECTRONIC BEAM STEERING TECHNIQUE IN TIME MODULATED ANTENNA ARRAY. Progress in Electromagnetics Research, 2009, 97, 391-405.	4.7	149
9	Directional Modulation Based on 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2014, 62, 621-628.	5.1	148
10	Direction of Arrival Estimation in Time Modulated Linear Arrays With Unidirectional Phase Center Motion. IEEE Transactions on Antennas and Propagation, 2010, 58, 1105-1111.	5.1	145
11	Design of a Low Sidelobe Time Modulated Linear Array With Uniform Amplitude and Sub-Sectional Optimized Time Steps. IEEE Transactions on Antennas and Propagation, 2012, 60, 4436-4439.	5.1	138
12	Antenna-array pattern nulling using a differential evolution algorithm. International Journal of RF and Microwave Computer-Aided Engineering, 2004, 14, 57-63.	1.3	108
13	The Application of a Modified Differential Evolution Strategy to Some Array Pattern Synthesis Problems. IEEE Transactions on Antennas and Propagation, 2008, 56, 1919-1927.	5.1	106
14	Bandwidth Enhancement Method for Low Profile E-Shaped Microstrip Patch Antennas. IEEE Transactions on Antennas and Propagation, 2010, 58, 2442-2447.	5.1	104
15	Evaluation of directivity and gain for time-modulated linear antenna arrays. Microwave and Optical Technology Letters, 2004, 42, 167-171.	1.5	98
16	Wide-Angle Scanning Phased Array Using an Efficient Decoupling Network. IEEE Transactions on Antennas and Propagation, 2015, 63, 5161-5165.	5.1	90
17	A Novel Stacked Antenna Configuration and its Applications in Dual-Band Shared-Aperture Base Station Antenna Array Designs. IEEE Transactions on Antennas and Propagation, 2019, 67, 7234-7241.	5.1	86
18	A Low Profile Dual-Polarized Wideband Omnidirectional Antenna Based on AMC Reflector. IEEE Transactions on Antennas and Propagation, 2017, 65, 368-374.	5.1	82

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19	A Novel Broadband Printed Dipole Antenna With Low Cross-Polarization. IEEE Transactions on Antennas and Propagation, 2007, 55, 3091-3093.	5.1	79
20	Broadband, Single-Layer Dual Circularly Polarized Reflectarrays With Linearly Polarized Feed. IEEE Transactions on Antennas and Propagation, 2016, 64, 4235-4241.	5.1	76
21	Accurate Models of Time-Invariant Beampatterns for Frequency Diverse Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 3022-3029.	5.1	76
22	Wide-Angle Beam-Scanning Reflectarray With Mechanical Steering. IEEE Transactions on Antennas and Propagation, 2018, 66, 172-181.	5.1	74
23	Comparative Study of Low Sidelobe Time Modulated Linear Arrays with Different Time Schemes. Journal of Electromagnetic Waves and Applications, 2004, 18, 1443-1458.	1.6	73
24	Dual-Band Shared-Aperture Base Station Antenna Array With Electromagnetic Transparent Antenna Elements. IEEE Transactions on Antennas and Propagation, 2021, 69, 5596-5606.	5.1	72
25	Pattern Synthesis of Unequally Spaced Linear Arrays Including Mutual Coupling Using Iterative FFT via Virtual Active Element Pattern Expansion. IEEE Transactions on Antennas and Propagation, 2017, 65, 3950-3958.	5.1	69
26	Octave Bandwidth Transmitarrays With a Flat Gain. IEEE Transactions on Antennas and Propagation, 2018, 66, 5231-5238.	5.1	68
27	A Compact Dual-Polarized Double E-Shaped Patch Antenna With High Isolation. IEEE Transactions on Antennas and Propagation, 2013, 61, 4349-4353.	5.1	67
28	Millimeter-Wave Circularly Polarized Tapered-Elliptical Cavity Antenna With Wide Axial-Ratio Beamwidth. IEEE Transactions on Antennas and Propagation, 2016, 64, 811-814.	5.1	67
29	Linear antenna arrays with bidirectional phase center motion. IEEE Transactions on Antennas and Propagation, 2005, 53, 1829-1835.	5.1	65
30	Wideband Dual-Polarized Linear Array of Tightly Coupled Elements. IEEE Transactions on Antennas and Propagation, 2018, 66, 476-480.	5.1	59
31	Optimization of novel high-power millimeter-wave TM/sub 01/-TE/sub 11/ mode converters. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 552-554.	4.6	57
32	Wideband Folded Reflectarray Using Novel Elements With High Orthogonal Polarization Isolation. IEEE Transactions on Antennas and Propagation, 2016, 64, 3195-3200.	5.1	57
33	Practical Implementation of Wideband and Wide-Scanning Cylindrically Conformal Phased Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 5729-5733.	5.1	56
34	Pattern Synthesis of 4-D Irregular Antenna Arrays Based on Maximum-Entropy Model. IEEE Transactions on Antennas and Propagation, 2019, 67, 3048-3057.	5.1	56
35	Wideband Dual-Polarized Magnetically Coupled Patch Antenna Array With High Port Isolation. IEEE Transactions on Antennas and Propagation, 2016, 64, 117-125.	5.1	55
36	A Study on the Application of Time Modulated Antenna Arrays to Airborne Pulsed Doppler Radar. IEEE Transactions on Antennas and Propagation, 2009, 57, 1579-1583.	5.1	51

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37	A 2-D Multibeam Half Maxwell Fish-Eye Lens Antenna Using High Impedance Surfaces. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 365-368.	4.0	50
38	Harmonic Beamforming in Antenna Array With Time-Modulated Amplitude-Phase Weighting Technique. IEEE Transactions on Antennas and Propagation, 2019, 67, 6461-6472.	5.1	50
39	Time-modulated array antennas " theory, techniques, and applications. Journal of Electromagnetic Waves and Applications, 2019, 33, 1503-1531.	1.6	49
40	Ku-Band Transmitarrays With Improved Feed Mechanism. IEEE Transactions on Antennas and Propagation, 2018, 66, 2883-2891.	5.1	46
41	Integration of 5G Rectangular MIMO Antenna Array and GSM Antenna for Dual-Band Base Station Applications. IEEE Access, 2020, 8, 63175-63187.	4.3	46
42	Low-Profile, Lightweight, Ultra-Wideband Tightly Coupled Dipole Arrays Loaded With Split Rings. IEEE Transactions on Antennas and Propagation, 2019, 67, 4257-4262.	5.1	45
43	Sidelobe Suppression in Time Modulated Linear Arrays with Unequal Element Spacing. Journal of Electromagnetic Waves and Applications, 2010, 24, 775-783.	1.6	43
44	Gain Improvement in Time-Modulated Linear Arrays Using SPDT Switches. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 994-997.	4.0	43
45	Moving phase center antenna arrays with optimized static excitations. Microwave and Optical Technology Letters, 2003, 38, 83-85.	1.5	42
46	SIMULATION OF TIME MODULATED LINEAR ANTENNA ARRAYS USING THE FDTD METHOD. Progress in Electromagnetics Research, 2009, 98, 175-190.	4.7	42
47	Unified Time- and Frequency-Domain Study on Time-Modulated Arrays. IEEE Transactions on Antennas and Propagation, 2013, 61, 3069-3076.	5.1	42
48	A Low-Profile Wideband Tightly Coupled Dipole Array With Reduced Scattering Using Polarization Conversion Metamaterial. IEEE Transactions on Antennas and Propagation, 2019, 67, 5353-5361.	5.1	41
49	Mutual coupling compensation in time modulated linear antenna arrays. IEEE Transactions on Antennas and Propagation, 2005, 53, 4182-4185.	5.1	40
50	Full-Wave Simulation of Time Modulated Linear Antenna Arrays in Frequency Domain. IEEE Transactions on Antennas and Propagation, 2008, 56, 1479-1482.	5.1	40
51	Microstrip Array Antenna With 2-D Steerable Focus in Near-Field Region. IEEE Transactions on Antennas and Propagation, 2017, 65, 4607-4617.	5.1	40
52	Dual-Band Dual-Polarized Antenna Array With Flat-Top and Sharp Cutoff Radiation Patterns for 2G/3G/LTE Cellular Bands. IEEE Transactions on Antennas and Propagation, 2018, 66, 5907-5917.	5.1	40
53	Ultrawideband Phased Antenna Arrays Based on Tightly Coupled Open Folded Dipoles. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 378-382.	4.0	40
54	Efficient Sideband Suppression in 4-D Antenna Arrays Through Multiple Time Modulation Frequencies. IEEE Transactions on Antennas and Propagation, 2017, 65, 7063-7072.	5.1	38

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55	An Ultra-Wideband Tightly Coupled Dipole Array Co-Designed With Low Scattering Characteristics. IEEE Transactions on Antennas and Propagation, 2019, 67, 676-680.	5.1	38
56	Bandwidth Enhancement of a Dual-Polarized Slot Antenna Using Characteristic Modes. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 988-992.	4.0	37
57	Convex Optimization of Pencil Beams Through Large-Scale 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2018, 66, 3453-3462.	5.1	37
58	Conformal Phased Array Antenna for Unmanned Aerial Vehicle With $\hat{\pm}70^{\circ}$ Scanning Range. IEEE Transactions on Antennas and Propagation, 2021, 69, 4580-4587.	5.1	37
59	Synthesis of Uniform Amplitude Thinned Linear Phased Arrays Using the Differential Evolution Algorithm. Electromagnetics, 2007, 27, 287-297.	0.6	36
60	Helical Torsion Coaxial Cable for Dual-Band Shared-Aperture Antenna Array Decoupling. IEEE Transactions on Antennas and Propagation, 2020, 68, 6128-6135.	5.1	36
61	Low-Cost 1-D Beam-Steering Reflectarray With $\hat{\pm}70^{\circ}$ Scan Coverage. IEEE Transactions on Antennas and Propagation, 2020, 68, 5009-5014.	5.1	36
62	Phased Transmitarray Antennas for 1-D Beam Scanning. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 358-362.	4.0	35
63	Design and Fabrication of Wideband Dual-Polarized Dipole Array for 5G Wireless Systems. IEEE Access, 2020, 8, 65155-65163.	4.3	34
64	Wideband Wide-Scanning Phased Array With Connected Backed Cavities and Parasitic Striplines. IEEE Transactions on Antennas and Propagation, 2018, 66, 1767-1775.	5.1	33
65	Characteristic Mode Formulation for Dielectric Coated Conducting Bodies. IEEE Transactions on Antennas and Propagation, 2017, 65, 1248-1258.	5.1	32
66	Generalized Characteristic-Mode Formulation for Composite Structures With Arbitrarily Metallic-Dielectric Combinations. IEEE Transactions on Antennas and Propagation, 2018, 66, 3556-3566.	5.1	32
67	Wide-Angle Scanning Lens Fed by Small-Scale Antenna Array for 5G in Millimeter-Wave Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 3635-3643.	5.1	32
68	Synthesis of satellite footprint patterns from time-modulated planar arrays with very low dynamic range ratios. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2008, 21, 493-506.	1.9	31
69	Dual-Polarized Tightly Coupled Dipole Array for UHF-Band Satellite Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 467-471.	4.0	31
70	In-Band Scattering Control of Ultra-Wideband Tightly Coupled Dipole Arrays Based on Polarization-Selective Metamaterial Absorber. IEEE Transactions on Antennas and Propagation, 2020, 68, 7927-7936.	5.1	31
71	An Improved Phase Modulation Technique Based on Four-Dimensional Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1175-1178.	4.0	30
72	Time-Modulated Arrays for Physical Layer Secure Communications: Optimization-Based Synthesis and Experimental Assessment. IEEE Transactions on Antennas and Propagation, 2018, 66, 6939-6949.	5.1	30

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73	A Low Cost, Low in-Band RCS Microstrip Phased-Array Antenna With Integrated 2-bit Phase Shifter. IEEE Transactions on Antennas and Propagation, 2021, 69, 4517-4526.	5.1	30
74	Low Cross-Polarization Ultrawideband Tightly Coupled Balanced Antipodal Dipole Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 4479-4488.	5.1	30
75	Improving conflicting specifications of time-modulated antenna arrays by using a multiobjective evolutionary algorithm. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2012, 25, 205-215.	1.9	28
76	Novel Parasitic Micro Strip Arrays for Low-Cost Active Phased Array Applications. IEEE Transactions on Antennas and Propagation, 2014, 62, 1731-1737.	5.1	28
77	A Study on the Application of Subarrayed Time-Modulated Arrays to MIMO Radar. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1171-1174.	4.0	28
78	In-Band Radar Cross-Section Reduction of Slot Antenna Using Characteristic Modes. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1166-1170.	4.0	28
79	Low-Profile Transmitarray Antenna With Cassegrain Reflectarray Feed. IEEE Transactions on Antennas and Propagation, 2019, 67, 3079-3088.	5.1	28
80	A Study on Linear Frequency Modulation Signal Transmission by 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2015, 63, 5409-5416.	5.1	26
81	A Joint Optimization Approach for the Synthesis of Large 4-D Heterogeneous Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2017, 65, 4585-4594.	5.1	26
82	Wide-Scanning Conformal Phased Array Antenna for UAV Radar Based on Polyimide Film. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1581-1585.	4.0	26
83	OAM-Generating Transmitarray Antenna With Circular Phased Array Antenna Feed. IEEE Transactions on Antennas and Propagation, 2020, 68, 4540-4548.	5.1	26
84	Nonuniform FSS-Backed Reflectarray With Synthesized Phase and Amplitude Distribution. IEEE Transactions on Antennas and Propagation, 2018, 66, 6883-6892.	5.1	25
85	Accurate Simulation of the Radiation Performance of a Mobile Slide Phone in a Hand-Head Position. IEEE Antennas and Propagation Magazine, 2010, 52, 168-177.	1.4	24
86	A NOVEL WIDEBAND ANTENNA ARRAY WITH TIGHTLY COUPLED OCTAGONAL RING ELEMENTS. Progress in Electromagnetics Research, 2012, 124, 55-70.	4.7	24
87	A 3-D-Printed Multibeam Spherical Lens Antenna With Ultrawide-Angle Coverage. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 411-415.	4.0	24
88	Synthesis of Optimal Sum and Difference Patterns from Time Modulated Hexagonal Planar Arrays. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 933-945.	0.6	23
89	Wideband Wide-Scanning Phased Array in Triangular Lattice With Electromagnetic Bandgap Structures. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 422-426.	4.0	23
90	Synthesis of Irregular Phased Arrays Subject to Constraint on Directivity via Convex Optimization. IEEE Transactions on Antennas and Propagation, 2021, 69, 4235-4240.	5.1	23

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91	A Ferrite-Loaded Ultralow Profile Ultrawideband Tightly Coupled Dipole Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 1965-1975.	5.1	23
92	Time modulated planar arrays with square lattices and circular boundaries. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2005, 18, 469-480.	1.9	22
93	Efficient Pencil Beam Synthesis in 4-D Antenna Arrays Using an Iterative Convex Optimization Algorithm. IEEE Transactions on Antennas and Propagation, 2019, 67, 6847-6858.	5.1	22
94	In-Band Scattering Reduction of Wideband Phased Antenna Arrays With Enhanced Coupling Based on Phase-Only Optimization Techniques. IEEE Transactions on Antennas and Propagation, 2020, 68, 5297-5307.	5.1	22
95	DESIGN AND ANALYSIS OF WIDEBAND PLANAR MONOPOLE ANTENNAS USING THE MULTILEVEL FAST MULTIPOLE ALGORITHM. Progress in Electromagnetics Research B, 2009, 15, 95-112.	1.0	21
96	4-D Retro-Directive Antenna Arrays for Secure Communication Based on Improved Directional Modulation. IEEE Transactions on Antennas and Propagation, 2018, 66, 5926-5933.	5.1	21
97	Application of Characteristic Mode Theory in HF Band Aircraft-Integrated Multiantenna System Designs. IEEE Transactions on Antennas and Propagation, 2019, 67, 513-521.	5.1	21
98	A Low-Profile Triple-Band Shared-Aperture Antenna Array for 5G Base Station Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 2732-2739.	5.1	21
99	Adaptive Nulling with Time-Modulated Antenna Arrays Using a Hybrid Differential Evolution Strategy. Electromagnetics, 2010, 30, 574-588.	0.6	20
100	A Hybrid Analog-Digital Adaptive Beamforming in Time-Modulated Linear Arrays. Electromagnetics, 2010, 30, 356-364.	0.6	20
101	Signal-to-noise ratio and time-modulated signal spectrum in four-dimensional antenna arrays. IET Microwaves, Antennas and Propagation, 2015, 9, 264-270.	1.4	20
102	Numerical modelling of 8mm TM01-TE11 mode converter. Journal of Infrared, Millimeter and Terahertz Waves, 1995, 16, 1935-1943.	0.6	19
103	Dual-Polarized Planar Phased Array Antenna With Cavity-Backed Elements. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1736-1740.	4.0	19
104	LPI Beamforming Based on 4-D Antenna Arrays With Pseudorandom Time Modulation. IEEE Transactions on Antennas and Propagation, 2020, 68, 2068-2077.	5.1	19
105	Scattering Decomposition and Control for Fully Dielectric-Coated PEC Bodies Using Characteristic Modes. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 118-121.	4.0	18
106	K/Ka Dual-Band Reflectarray Subreflector for Ring-Focus Reflector Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1567-1571.	4.0	17
107	Low-Profile High-Gain and Wide-Angle Beam Scanning Phased Transmitarray Antennas. IEEE Access, 2020, 8, 34276-34285.	4.3	17
108	Cross-Band Mutual Coupling Reduction in Dual-Band Base-Station Antennas With a Novel Grid Frequency Selective Surface. IEEE Transactions on Antennas and Propagation, 2021, 69, 8991-8996.	5.1	17

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109	A STUDY OF AM AND FM SIGNAL RECEPTION OF TIME MODULATED LINEAR ANTENNA ARRAYS. Progress in Electromagnetics Research Letters, 2009, 7, 171-181.	0.7	16
110	Design of a novel monopulse antenna system using the time-modulated antenna arrays. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 163-169.	1.3	16
111	Reducing the Number of Elements in the Synthesis of a Broadband Linear Array With Multiple Simultaneous Frequency-Invariant Beam Patterns. IEEE Transactions on Antennas and Propagation, 2018, 66, 5838-5848.	5.1	16
112	Design of a Tapered Balun for Broadband Arrays With Closely Spaced Elements. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1291-1294.	4.0	15
113	Direction Finding Using Multiple Sum and Difference Patterns in 4D Antenna Arrays. International Journal of Antennas and Propagation, 2014, 2014, 1-12.	1.2	15
114	Mixed-Potential Integral Equation Based Characteristic Mode Analysis of Microstrip Antennas. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	1.2	15
115	Synthesis of Low-Sidelobe 4-D Heterogeneous Antenna Arrays Including Mutual Coupling Using Iterative Convex Optimization. IEEE Transactions on Antennas and Propagation, 2020, 68, 329-340.	5.1	15
116	In-Band Scattering Reduction for a U-Slot Patch Antenna. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 312-316.	4.0	15
117	Transmit Beamforming Based on 4-D Antenna Arrays for Low Probability of Intercept Systems. IEEE Transactions on Antennas and Propagation, 2020, 68, 3625-3634.	5.1	15
118	Synthesis of Sparse Antenna Arrays Subject to Constraint on Directivity via Iterative Convex Optimization. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1498-1502.	4.0	15
119	Phase Modulation Technique for Harmonic Beamforming in Time-Modulated Arrays. IEEE Transactions on Antennas and Propagation, 2022, 70, 1976-1988.	5.1	15
120	Design of high-power Millimeter-wave TM/sub 01/-TE/sub 11/Mode converters by the differential evolution algorithm. IEEE Transactions on Plasma Science, 2005, 33, 1372-1376.	1.3	14
121	Direction finding based on TMAs with reconfigurable angle searching range and bearing accuracy. Electronics Letters, 2017, 53, 130-132.	1.0	14
122	Near-Field Focused Array Antenna With Frequency-Tunable Focal Distance. IEEE Transactions on Antennas and Propagation, 2018, 66, 3401-3410.	5.1	14
123	High-Directivity Optimization Technique for Irregular Arrays Combined With Maximum Entropy Model. IEEE Transactions on Antennas and Propagation, 2021, 69, 3913-3923.	5.1	14
124	A Wideband, Low-Profile Log-Periodic Monopole Array With End-Fire Scanning Beams. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2414-2418.	4.0	13
125	Fast Analysis of Parallel-Plate Cylindrical Luneberg Lens Antennas Through Dyadic Green's Functions. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4327-4337.	4.6	13
126	Defocused Cylindrical Luneberg Lens Antennas With Phased Array Antenna Feed. IEEE Transactions on Antennas and Propagation, 2019, 67, 6008-6016.	5.1	13

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127	Two-Dimensional Imaging Based on Near-Field Focused Array Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 274-278.	4.0	13
128	Ultrawideband Low-Profile Transmitarray With Vivaldi Array Feed. IEEE Transactions on Antennas and Propagation, 2020, 68, 3265-3270.	5.1	13
129	Sparsely Excited Tightly Coupled Dipole Arrays Based on Irregular Array Techniques. IEEE Transactions on Antennas and Propagation, 2020, 68, 6098-6108.	5.1	13
130	Dual-Polarized Filtering Transmitarray Antennas With Low-Scattering Characteristic. IEEE Transactions on Antennas and Propagation, 2021, 69, 7965-7970.	5.1	13
131	In-Band SCS Reduction of Microstrip Phased Array Based on Impedance Matching Network. IEEE Transactions on Antennas and Propagation, 2022, 70, 330-340.	5.1	13
132	A Low-Profile, Wide-Scan, Cylindrically Conformal X -Band Phased Array. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1503-1507.	4.0	13
133	Dual-Beam Rectenna Based on a Short Series-Coupled Patch Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 5617-5630.	5.1	13
134	Hybrid Directional Modulation and Beamforming for Physical Layer Security Improvement Through 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 5903-5912.	5.1	13
135	A Self-Decoupling Method for Antenna Arrays Using High-Order Characteristic Modes. IEEE Transactions on Antennas and Propagation, 2022, 70, 2760-2769.	5.1	13
136	An Electromagnetic-Transparent Cascade Comb Dipole Antenna for Multi-Band Shared-Aperture Base Station Antenna Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 2750-2759.	5.1	13
137	Broadband conical printed quadrifilar helical antenna with integrated feed network. Microwave and Optical Technology Letters, 2002, 35, 491-493.	1.5	12
138	Millimeter-wave Low Sidelobe Time Modulated Linear Arrays with Uniform Amplitude Excitations. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 531-540.	0.6	12
139	A novel E-shape radiation pattern reconfigurable microstrip antenna for broadband, wide-beam, high-gain applications. Microwave and Optical Technology Letters, 2008, 50, 2052-2054.	1.5	12
140	Design and discussion of a broadband cross-dipole with high isolation and low cross-polarisation utilising strong mutual coupling. IET Microwaves, Antennas and Propagation, 2014, 8, 315-322.	1.4	12
141	Focused Array Antenna Based on Subarrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 888-891.	4.0	12
142	Synthesis of large-scale non-uniformly spaced 4D arrays using an IFT method. IET Microwaves, Antennas and Propagation, 2018, 12, 1973-1977.	1.4	12
143	Efficient Design of Tightly Coupled Dipole Array Using an Equivalent Circuit-Based Approach. IEEE Access, 2020, 8, 14013-14023.	4.3	12
144	Radar Cross Section Reduction of Wideband Vivaldi Antenna Arrays With Array-Level Scattering Cancellation. IEEE Transactions on Antennas and Propagation, 2022, 70, 6740-6750.	5.1	12

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145	Multiple Patterns from Time-Modulated Linear Antenna Arrays. <i>Electromagnetics</i> , 2008, 28, 562-571.	0.6	11
146	Synthesis of Low and Equal-Ripple Sidelobe Patterns in Time-Modulated Circular Antenna Arrays. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009, 30, 802-812.	2.2	11
147	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.	1.5	11
148	Phased Hemispherical Lens Antenna for 1-D Wide-Angle Beam Scanning. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 7617-7621.	5.1	11
149	In-Band Scattering and Radiation Tradeoff of Broadband Phased Arrays Based on Scattering-Matrix Approach. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 7486-7496.	5.1	11
150	Short backfire antennas for wireless LAN applications at millimeter-waves. , 0, , .		10
151	A double-layered printed dipole antenna with parasitic strips. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 1517-1520.	1.5	10
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