

Shiwen Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Integrated Coupler-Antenna Design for Multibeam Dual-Polarized Patch-Array Rectenna. IEEE Transactions on Antennas and Propagation, 2022, 70, 1869-1883.	5.1	6
3	A Ferrite-Loaded Ultralow Profile Ultrawideband Tightly Coupled Dipole Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 1965-1975.	5.1	23
4	Integrative Transmitarray With Gain-Filtering and Low-Scattering Characteristics. IEEE Transactions on Antennas and Propagation, 2022, 70, 1931-1939.	5.1	5
5	Phase Modulation Technique for Harmonic Beamforming in Time-Modulated Arrays. IEEE Transactions on Antennas and Propagation, 2022, 70, 1976-1988.	5.1	15
6	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
7	A Vector Modulation Approach for Secure Communications Based on 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2022, 70, 3723-3732.	5.1	6
8	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
9	In-Band Scattering Cancellation Techniques for Vivaldi Antenna Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 3411-3420.	5.1	7
10	An Irregular Tiled Array Technique for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2022, 21, 4509-4521.	9.2	8
11	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
12	Wideband Receive Beamforming Based on 4-D Antenna Arrays With Postmodulation. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 740-744.	4.0	1
13	A Novel Method for Maximum Directivity Synthesis of Irregular Phased Arrays. IEEE Transactions on Antennas and Propagation, 2022, 70, 4426-4438.	5.1	9
14	Design of Phase Modulation Antenna Array With Stable Overall Efficiencies. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 282-286.	4.0	5
15	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
16	Efficient Secure Communication in 4-D Antenna Arrays Through Joint Space-Time Modulation. IEEE Transactions on Antennas and Propagation, 2022, 70, 7046-7056.	5.1	3
17	Directional Modulation in Time-Modulated Array With a Novel Pseudorandom Ascending Phase Time Sequence. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3319-3328.	4.6	5
18	Synthesis of Simultaneous Sum and Difference Patterns in Single-Channel 1-Bit Time-Modulated Array. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1542-1546.	4.0	5

#	ARTICLE	IF	CITATIONS
19	Low-Scattering-Cross Section Thinned Phased Array Antenna Based on Active Cancellation Technique. IEEE Transactions on Antennas and Propagation, 2022, 70, 5481-5490.	5.1	6
20	Ultralow Scattering Design of Wideband Conformal Arrays Based on Optimally Loaded Resistors. IEEE Transactions on Antennas and Propagation, 2022, 70, 6692-6702.	5.1	4
21	A Wideband Frequency- and Polarization-Reconfigurable Liquid Metal-Based Spiral Antenna. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1477-1481.	4.0	8
22	Integrated Radar and Communication Design With Low Probability of Intercept Based on 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2022, 70, 8496-8506.	5.1	1
23	Conformal Array Antenna for Applications in Wide-Scanning Phased Array Antenna Systems. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1762-1766.	4.0	10
24	A Hybrid Approach for the Synthesis of Nonuniformly-Spaced Linear Subarrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 195-205.	5.1	10
25	Generalized Closed-Form Sidebands TM Radiation Expressions for 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 1193-1197.	5.1	8
26	Synthesis of large-scale thinned arrays based on a multiagent genetic algorithm. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22522.	1.2	3
27	Synthesis of Sparse Array With Sum and Difference Patterns Under Minimum Element Spacing Control by Alternating Linear Programming Optimization. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1028-1032.	4.0	2
28	Design of a Low-Profile and Low Scattering Wideband Planar Phased Antenna Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 8973-8978.	5.1	7
29	Dual-Polarized Filtering Transmitarray Antennas With Low-Scattering Characteristic. IEEE Transactions on Antennas and Propagation, 2021, 69, 7965-7970.	5.1	13
30	Fast analysis of scattering from metallic-dielectric composite large antenna arrays using characteristic modes. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2862.	1.9	1
31	In-Band Scattering and Radiation Tradeoff of Broadband Phased Arrays Based on Scattering-Matrix Approach. IEEE Transactions on Antennas and Propagation, 2021, 69, 7486-7496.	5.1	11
32	Characteristic Mode Formulation for Antennas With Waveguide Port Feeding Structures. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2063-2067.	4.0	1
33	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
34	Lightweight, Solderless, Ultrawideband Transmitarray Antenna With True-Time-Delay Line. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2245-2249.	4.0	6
35	A Novel 3-D-NUFFT Method for the Efficient Calculation of the Array Factor of Conformal Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 7047-7052.	5.1	4
36	Efficient Synthesis of Filter-and-Sum Array With Scanned Wideband Frequency-Invariant Beam Pattern and Space-Frequency Notching. IEEE Signal Processing Letters, 2021, 28, 384-388.	3.6	6

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37	A <scp>lowâ€profile wideâ€scanning</scp> fully metallic lens antenna for <scp>5G</scp> communication. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22584.	1.2	3
38	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
39	Characteristic Mode Analysis for Antennas with Waveport Problems. , 2021, , .		0
40	Low Scattering Patch Array Antenna Based on Grooved Ground. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 308-312.	4.0	8
41	A quadratureâ€hybridâ€integrated reconfigurable feeding network for wideband quadâ€polarizationâ€agile antenna design. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22641.	1.2	2
42	Linear Phased Array Antenna Fed by the Modified Dielectric Image Line. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 733-737.	4.0	2
43	<scp>Dualâ€polarized</scp> stacked microstrip antenna with <scp>tridentâ€shaped</scp> baluns for <scp>MIMO</scp> array development. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22736.	1.2	4
44	A Thinned Irregular Array Synthesis Approach Based on Benders Decomposition. IEEE Transactions on Antennas and Propagation, 2021, 69, 3875-3885.	5.1	4
45	Advanced Teaching in Electromagnetics at the ELEDIA Research Center. , 2021, , .		0
46	Oneâ€dimensional conformal ultraâ€wideband connected slot arrays with reduced scattering. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22802.	1.2	0
47	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
48	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
49	A Low-Profile, Wide-Scan, Cylindrically Conformal <i>X</i>-Band Phased Array. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1503-1507.	4.0	13
50	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
51	An active, ultraâ€wideband dualâ€polarized tightly coupled dipole subarray for satellite communication. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22849.	1.2	1
52	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
53	Design and analysis of an amplitude-phase weighting module for harmonic beamforming in time-modulated antenna arrays. AEU - International Journal of Electronics and Communications, 2021, 138, 153835.	2.9	7
54	Design of a Low-Crosstalk Sub-Wavelength-Pitch Silicon Waveguide Array for Optical Phased Array. IEEE Photonics Journal, 2021, 13, 1-8.	2.0	3

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55	Conformal Phased Array Antenna for Unmanned Aerial Vehicle With $\hat{\pm}70\hat{\circ}$ Scanning Range. IEEE Transactions on Antennas and Propagation, 2021, 69, 4580-4587.	5.1	37
56	Dual-Beam Rectenna Based on a Short Series-Coupled Patch Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 5617-5630.	5.1	13
57	Ultra-wideband dual-polarized transmitarray antenna with Vivaldi elements. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22892.	1.2	0
58	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
59	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
60	Calculation of the Total Radiated Power for 4-D Antenna Arrays With Arbitrary Time Modulated Waveform. IEEE Transactions on Antennas and Propagation, 2021, 69, 9015-9020.	5.1	3
61	Low Probability of Interception Beamforming in Single-Sideband Time-Modulated Antenna Arrays. , 2021, , .		0
62	A 9:1 Bandwidth Low-Profile Tightly Coupled Dipole Array with Compact Matching Network. , 2021, , .		0
63	Synthesis of Sparse Antenna Arrays via Iterative Convex Optimization. , 2021, , .		0
64	Conformal Ultra-Wideband Tightly Coupled Arrays With Low-Scattering Characteristics. , 2021, , .		1
65	A Miniaturized Dual-Polarized Base Station Antenna with Stable Radiation Pattern. , 2021, , .		0
66	A Novel In-Band Scattering Cancellation Technique for Vivaldi Antenna Array. , 2021, , .		1
67	Low-SCS Microstrip Thinned Array. , 2021, , .		1
68	Wideband Phased Arrays with Large Scan Range and Low Profile. , 2021, , .		0
69	Low-SCS Phased Array Based on Optimized RLC Circuit. , 2021, , .		0
70	An Ultra-wideband Dual-Polarized Low-Profile Tightly Coupled Dipole Array. , 2021, , .		3
71	A Novel Method for the Synthesis of High Directivity Wide-Angle Scanning Irregular Phased Arrays. , 2021, , .		1
72	A Low-Scattering Conformal Phased Array Based on Resistor-Loaded Metasurface. , 2021, , .		0

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73	A Phase Compensation Technique for the Tradeoff Design of Irregular Phased Array. , 2021, , .		1
74	Scanning Radiation Pattern Synthesis using Characteristic Mode of Airship Platform. , 2021, , .		0
75	An In-Band Decoupling Technique for Base Station Antennas. , 2021, , .		0
76	Magnetolectric composite coupled by bonding material in energy trapping vibration for RF/microwave devices. Microwave and Optical Technology Letters, 2020, 62, 669-674.	1.4	1
77	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
78	A wideâ€scanning ellipsoid lens antenna fed by phased array antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22127.	1.2	7
79	In-Band Scattering Reduction for a U-Slot Patch Antenna. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 312-316.	4.0	15
80	Complete and Unified Time- and Frequency-Domain Study on 4-D Antenna Arrays Including Mutual Coupling Effect. IEEE Transactions on Antennas and Propagation, 2020, 68, 824-837.	5.1	10
81	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
82	DOA Estimation via Sparse Signal Recovery in 4-D Linear Antenna Arrays With Optimized Time Sequences. IEEE Transactions on Vehicular Technology, 2020, 69, 771-783.	6.3	10
83	Synthesis of Sparse Linear Arrays Including Directivity via a Hybrid l1 Minimization Algorithm. , 2020, , .		0
84	2-D Wide-Scanning Flat Luneburg Lens Antenna for 5G Communication. , 2020, , .		2
85	An Irregular Tightly Coupled Dipole Array with Wide Scanning Angles. , 2020, , .		0
86	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
87	Dual-Polarized Ultrawideband Eleven Antenna Fed by Modified Passive Balun. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1600-1604.	4.0	4
88	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
89	Improving Physical Layer Security Technique Based on 4-D Antenna Arrays with Pre-Modulation. , 2020, , .		1
90	Guest Editorial: Special Cluster on Spaceâ€Time Modulated Antennas and Materials. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1838-1841.	4.0	4

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91	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
92	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
93	Aircraft-Integrated VHF Band Antenna Array Designs Using Characteristic Modes. IEEE Transactions on Antennas and Propagation, 2020, 68, 7358-7369.	5.1	10
94	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
95	Ultrawideband Low-Profile Transmitarray With Vivaldi Array Feed. IEEE Transactions on Antennas and Propagation, 2020, 68, 3265-3270.	5.1	13
96	Teaching Electromagnetics to Next-Generation Engineersâ€™The ELEDIA Recipe: The ELEDIA teaching style. IEEE Antennas and Propagation Magazine, 2020, 62, 50-61.	1.4	4
97	Low-Profile High-Gain and Wide-Angle Beam Scanning Phased Transmitarray Antennas. IEEE Access, 2020, 8, 34276-34285.	4.2	17
98	OAM-Generating Transmitarray Antenna With Circular Phased Array Antenna Feed. IEEE Transactions on Antennas and Propagation, 2020, 68, 4540-4548.	5.1	26
99	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
100	Efficient Design of Tightly Coupled Dipole Array Using an Equivalent Circuit-Based Approach. IEEE Access, 2020, 8, 14013-14023.	4.2	12
101	Correction to â€œMicrostrip Array Antenna With 2-D Steerable Focus in Near-Field Regionâ€™[Sep 17 4607-4617]. IEEE Transactions on Antennas and Propagation, 2020, 68, 2475-2475.	5.1	0
102	Low-Cost 1-D Beam-Steering Reflectarray With $\pm 70^\circ$ Scan Coverage. IEEE Transactions on Antennas and Propagation, 2020, 68, 5009-5014.	5.1	36
103	Integration of 5G Rectangular MIMO Antenna Array and GSM Antenna for Dual-Band Base Station Applications. IEEE Access, 2020, 8, 63175-63187.	4.2	46
104	Design and Fabrication of Wideband Dual-Polarized Dipole Array for 5G Wireless Systems. IEEE Access, 2020, 8, 65155-65163.	4.2	34
105	Sparsely Excited Tightly Coupled Dipole Arrays Based on Irregular Array Techniques. IEEE Transactions on Antennas and Propagation, 2020, 68, 6098-6108.	5.1	13
106	Low Cross-Polarization Ultrawideband Tightly Coupled Balanced Antipodal Dipole Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 4479-4488.	5.1	30
107	Design of 4D Irregular Tiled Arrays Based on Mixed Integer Second Order Cone Programming. , 2020, , .		0
108	Low Mutual Coupling Dual-Polarized Antenna Array with Novel Baffles for Base Station Applications. , 2020, , .		2

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109	Dual-Polarized Planar Phased Array Antenna With Cavity-Backed Elements. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1736-1740.	4.0	19
110	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
111	Wideband Tightly Coupled Dipole Arrays With Balanced Scattering and Radiation Based on a Black-Box Method. IEEE Access, 2019, 7, 118402-118410.	4.2	7
112	Pattern Synthesis of a Time-modulated Vivaldi Linear Array with MOEA/D Algorithm. , 2019, , .		2
113	K/Ka Dual-Band Reflectarray Subreflector for Ring-Focus Reflector Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1567-1571.	4.0	17
114	Practical Implementation of Wideband and Wide-Scanning Cylindrically Conformal Phased Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 5729-5733.	5.1	56
115	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
116	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
117	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
118	A Low-Profile Dual-Band Dual-Polarized Base Station Antenna Array for Sub-6 GHz Applications. , 2019, , .		1
119	Novel Ultra-wideband Wide-angle Scanning Phased Array. , 2019, , .		0
120	Defocused Cylindrical Luneburg Lens Antennas With Phased Array Antenna Feed. IEEE Transactions on Antennas and Propagation, 2019, 67, 6008-6016.	5.1	13
121	Phased Hemispherical Lens Antenna for 1-D Wide-Angle Beam Scanning. IEEE Transactions on Antennas and Propagation, 2019, 67, 7617-7621.	5.1	11
122	Thinned Planar Array Synthesis Based On Multiagent Genetic Algorithm. , 2019, , .		3
123	Dual-Polarized Tightly Coupled Dipole Array for UHF<X</>-Band Satellite Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 467-471.	4.0	31
124	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
125	Accurate Models of Time-Invariant Beampatterns for Frequency Diverse Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 3022-3029.	5.1	76
126	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

#	ARTICLE	IF	CITATIONS
127	Time-modulated array antennas " theory, techniques, and applications. Journal of Electromagnetic Waves and Applications, 2019, 33, 1503-1531.	1.6	49
128	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
129	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
130	A compact wideband dual-polarized linear array with hybrid structure and resistive loadings. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21736.	1.2	5
131	An effective hybrid approach for the synthesis of pencil beams and shaped beams through 4D linear antenna arrays with constrained DRR. Journal of Electromagnetic Waves and Applications, 2019, 33, 584-600.	1.6	6
132	Low-Profile Transmitarray Antenna With Cassegrain Reflectarray Feed. IEEE Transactions on Antennas and Propagation, 2019, 67, 3079-3088.	5.1	28
133	Space-Time Coding through Time-Modulated Arrays - State-of-the-Art and Recent Trend/Advances. , 2019, , .		1
134	Crossing Space, Time And Frequency Domains: Recent Developments of Four-Dimensional Antenna Arrays. , 2019, , .		0
135	Wide-angle Scanning Phased Array Based on Long Slot Antenna. , 2019, , .		1
136	A Low-Profile Dual-Band Dual-Polarized Antenna for Base Station Applications. , 2019, , .		0
137	Design of an Ultra-wideband UHF Scanning Phased Array with End-fire Beams. , 2019, , .		0
138	In-Band RCS Reduction of a U-Slot Microstrip Patch Antenna. , 2019, , .		2
139	Time-Modulated Beamforming in Antenna Arrays with Multiple Sub-Branch RF Switches. , 2019, , .		2
140	A Circularly Polarized Luneberg Lens Antenna for Half-Space Beam Coverage. , 2019, , .		4
141	A Novel Design of Dual-Band Dual-Polarized Base Station Antenna Based on Frequency Selective Surface. , 2019, , .		0
142	A Cylindrical Lens Antenna With Extremely Flat Beams. IEEE Access, 2019, 7, 156675-156685.	4.2	2
143	2D flat Luneburg lens antenna for multibeam scanning application. Electronics Letters, 2019, 55, 1317-1318.	1.0	6
144	Transmit Beamforming Based on 4D Antenna Arrays with Pseudo-Random Orthogonal Time Sequences. , 2019, , .		0

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145	An Unified Equation for Active Reflection Coefficient in 4D Antenna Arrays including Mutual Coupling Effect. , 2019, , .		1
146	An Efficient Design Approach for Wideband Tightly Coupled Antenna Arrays. , 2019, , .		1
147	Low-Profile Wideband Long Slot Phased Arrays Based on Novel AMC Reflectors. , 2019, , .		3
148	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
149	Ultrawideband Phased Antenna Arrays Based on Tightly Coupled Open Folded Dipoles. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 378-382.	4.0	40
150	Phased Transmitarray Antennas for 1-D Beam Scanning. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 358-362.	4.0	35
151	Two-Dimensional Imaging Based on Near-Field Focused Array Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 274-278.	4.0	13
152	A lightweight multi-beam cylindrical Luneberg lens antenna loaded with multiple dielectric posts. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21511.	1.2	8
153	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
154	Novel low profile ultra-wideband capacitance loaded log-periodic monopole array with reduced transverse dimension. IET Microwaves, Antennas and Propagation, 2019, 13, 1443-1449.	1.4	6
155	Bandwidth Enhancement of a Dual-Polarized Slot Antenna Using Characteristic Modes. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 988-992.	4.0	37
156	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
157	Wide-Angle Beam-Scanning Reflectarray With Mechanical Steering. IEEE Transactions on Antennas and Propagation, 2018, 66, 172-181.	5.1	74
158	Wideband Dual-Polarized Linear Array of Tightly Coupled Elements. IEEE Transactions on Antennas and Propagation, 2018, 66, 476-480.	5.1	59
159	Realization of multiple orbital angular momentum modes simultaneously through four-dimensional antenna arrays. Scientific Reports, 2018, 8, 149.	3.3	8
160	Near-Field Focused Array Antenna With Frequency-Tunable Focal Distance. IEEE Transactions on Antennas and Propagation, 2018, 66, 3401-3410.	5.1	14
161	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
162	Ku-Band Transmitarrays With Improved Feed Mechanism. IEEE Transactions on Antennas and Propagation, 2018, 66, 2883-2891.	5.1	46

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163	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
164	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
165	A Low Profile Dual-Band Dual-Polarized Shared-aperture Antenna for Base Station Applications. , 2018, , .		1
166	Characteristic Mode Synthesis of Scanning Beam Patterns for Aircraft Applications. , 2018, , .		0
167	A Flush-mounted Ultra-wideband Scanning Phased Array with End-fire Radiation Pattern. , 2018, , .		1
168	Synthesis of 4D Linear Antenna Arrays Using an Iterative Convex Optimization Algorithm. , 2018, , .		1
169	Recent Studies on 4D Antenna Arrays and Their Applications to Wireless Electronic Systems. , 2018, , .		1
170	Black Box Method for The Radiation and Scattering Optimization of TCDA. , 2018, , .		1
171	Design of a Compact Wideband Dual-Polarized Base-Station Antenna with Stable Radiation Patterns. , 2018, , .		2
172	A Cylindrical Luneberg Lens Antenna with Extremely Wide Fan-Beam. , 2018, , .		3
173	Low Probability of Interception Signal Transmission Based on 4D Antenna Arrays. , 2018, , .		3
174	Scattering Control Using Advanced Characteristic Mode Theories. , 2018, , .		0
175	RCS Reduction of Microstrip Antenna Based on Characteristic Mode Analysis. , 2018, , .		2
176	Planar Printed Quasi-Yagi Antenna Designs Using Characteristic Modes. , 2018, , .		0
177	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
178	An Improved Directional Modulation Technique Based on Four-Dimensional Retrodirective Arrays. , 2018, , .		0
179	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
180	Nonuniform FSS-Backed Reflectarray With Synthesized Phase and Amplitude Distribution. IEEE Transactions on Antennas and Propagation, 2018, 66, 6883-6892.	5.1	25

#	ARTICLE	IF	CITATIONS
181	Synthesis of Large Nonuniform Spaced D Linear Arrays Using an Iterative FFT Method. , 2018, , .		2
182	A Novel Printed Dual-Log-Periodic Array Antenna for UHF Near-Field RFID Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 7418-7423.	5.1	8
183	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
184	AMillimeter-Wave Phased Array Fed Biconvex Lens Antenna. , 2018, , .		2
185	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
186	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
187	Octave Bandwidth Transmitarrays With a Flat Gain. IEEE Transactions on Antennas and Propagation, 2018, 66, 5231-5238.	5.1	68
188	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
189	Reflectarray Antenna Design With Arbitrary Incident and Reflection Beam Angle. IEEE Transactions on Antennas and Propagation, 2018, 66, 5964-5973.	5.1	9
190	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
191	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
192	Metamaterial cavity for the isolation enhancement of closely positioned dual-polarized relay antenna arrays. Microwave and Optical Technology Letters, 2017, 59, 857-862.	1.4	9
193	Characteristic Mode Formulation for Dielectric Coated Conducting Bodies. IEEE Transactions on Antennas and Propagation, 2017, 65, 1248-1258.	5.1	32
194	Extremely low-profile wideband dual-polarized microstrip antenna for micro-base-station applications. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21091.	1.2	7
195	Direction finding based on TMAs with reconfigurable angle searching range and bearing accuracy. Electronics Letters, 2017, 53, 130-132.	1.0	14
196	An Improved Phase Modulation Technique Based on Four-Dimensional Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1175-1178.	4.0	30
197	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
198	Design of Cassegrain reflectarray antenna with compact ring focus feed. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
199	Dual-polarized metamaterial cavity-backed antennas for mutual coupling reduction. Journal of Electromagnetic Waves and Applications, 2017, 31, 957-968.	1.6	7
200	A novel dual-polarized antenna with low profile and high port isolation. , 2017, , .		0
201	Low-profile dipole array fed transmitarray. , 2017, , .		3
202	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
203	Subreflectarrays for ring-focus reflector antenna. , 2017, , .		0
204	Wideband meachanical scanning lens antenna at Ku-band. , 2017, , .		0
205	Focused array antenna with 2-D steerable focus. , 2017, , .		0
206	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
207	A planar ultrawideband linear array with resistor-loaded FSS. , 2017, , .		0
208	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
209	HF band aircraft integrated multi-antenna system designs using characteristic modes. , 2017, , .		1
210	Focused Array Antenna Based on Subarrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 888-891.	4.0	12
211	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
212	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
213	Characteristic mode analysis of composite metallic-dielectric bodies. , 2017, , .		0
214	A wideband tightly coupled phased array with reduced scattering characteristics. , 2017, , .		1
215	Efficient pattern synthesis of large scale four-dimensional heterogeneous antenna arrays. , 2017, , .		0
216	Design of a millimeter-wave cylindrical luneberg lens antenna with multiple fan-beams. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
217	Generation of orbital angular momentum modes by four dimensional antenna arrays. , 2017, , .		0
218	Mixed-Potential Integral Equation Based Characteristic Mode Analysis of Microstrip Antennas. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	1.2	15
219	Efficient sideband suppression in 4D antenna arrays with multiple time modulation frequencies. , 2016, , .		1
220	Sparse focused array antenna based on subarrays. , 2016, , .		0
221	Wideband terahertz frequency-scanning reflectarray. , 2016, , .		1
222	A miniaturized wideband dual-polarized linear array with balanced antipodal Vivaldi antenna. , 2016, , .		4
223	Subarrayed 4D antenna arrays with tapered amplitude excitations. , 2016, , .		0
224	Wideband Folded Reflectarray Using Novel Elements With High Orthogonal Polarization Isolation. IEEE Transactions on Antennas and Propagation, 2016, 64, 3195-3200.	5.1	57
225	Scattering analysis for arbitrarily shaped dielectric bodies using characteristic modes. , 2016, , .		2
226	Broadband, Single-Layer Dual Circularly Polarized Reflectarrays With Linearly Polarized Feed. IEEE Transactions on Antennas and Propagation, 2016, 64, 4235-4241.	5.1	76
227	An effective hybrid optimization algorithm for the synthesis of 4-D linear antenna arrays. , 2016, , .		1
228	Generation of orbital angular momentum (OAM) waves using time-modulated circular arrays. , 2016, , .		1
229	A near-field focused array antenna with reconfigurable elements. , 2016, , .		4
230	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
231	A Simple and Accurate TDOA-AOA Localization Method Using Two Stations. IEEE Signal Processing Letters, 2016, 23, 144-148.	3.6	175
232	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
233	A study on the scattering characteristics of ultra-wideband tightly coupled phased array antennas. , 2015, , .		1
234	A multi-beam cylindrical lens antenna composed of dielectric mixtures. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
235	An efficient approach for synthesizing irregularly shaped patterns based on 4D arrays. , 2015, , .		1
236	4D antenna arrays for LFM signal transmission. , 2015, , .		4
237	A wideband horizontally polarized omnidirectional antenna for LTE indoor base stations. Microwave and Optical Technology Letters, 2015, 57, 2112-2116.	1.4	9
238	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
239	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
240	Pattern synthesis approach for circularly polarised four-dimensional antenna arrays. IET Microwaves, Antennas and Propagation, 2015, 9, 1004-1008.	1.4	5
241	Modified corner-fed dual-polarised stacked patch antenna for micro-base station applications. Electronics Letters, 2015, 51, 604-606.	1.0	8
242	Efficient synthesis of 4D antenna arrays using a bitwise evolutionary genetic algorithm. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2015, 28, 310-320.	1.9	2
243	Wide-Angle Scanning Phased Array Using an Efficient Decoupling Network. IEEE Transactions on Antennas and Propagation, 2015, 63, 5161-5165.	5.1	90
244	Efficient Synthesis of Irregularly Shaped Radiation Patterns Based on Four-Dimensional Planar Arrays and Post-Processing. Electromagnetics, 2015, 35, 429-442.	0.7	2
245	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
246	Direction of arrival estimation based on time-modulated antenna array. , 2014, , .		0
247	Experimental Investigation of Wide-Angle Impedance Matching of Phased Array Using Overlapped Feeding Network. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1284-1287.	4.0	7
248	4D-arrays for MIMO radar applications. , 2014, , .		1
249	A phase-comparison monopulse system based on a 4D antenna array. , 2014, , .		1
250	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
251	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
252	A low profile dual-band dual-polarized patch antenna array with integrated feeding network for pico-base station applications. Microwave and Optical Technology Letters, 2014, 56, 1594-1600.	1.4	11

#	ARTICLE	IF	CITATIONS
253	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
254	4-D Arrays as Enabling Technology for Cognitive Radio Systems. IEEE Transactions on Antennas and Propagation, 2014, 62, 1102-1116.	5.1	150
255	Directional Modulation Based on 4-D Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2014, 62, 621-628.	5.1	148
256	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
257	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
258	Wideband dual-polarized printed dipole antenna with high isolation. , 2013, , .		0
259	The design of layered luneberg lens with radially-drilled-hole-structure. , 2013, , .		1
260	Design of a passive self-interference cancellation network with high cancellation ratio. , 2013, , .		1
261	A study on the omnidirectional end-fire antenna array. , 2013, , .		1
262	Unified Time- and Frequency-Domain Study on Time-Modulated Arrays. IEEE Transactions on Antennas and Propagation, 2013, 61, 3069-3076.	5.1	42
263	Design of a parabolic reflector antenna with a compact splash-plate feed. , 2013, , .		6
264	A novel dual-band patch antenna with high frequency band ratio. , 2013, , .		1
265	FOC-MUSIC method for signal parameter estimations using vector circular array. , 2013, , .		1
266	Analysis and design of miniaturized ultra-wideband conical log spiral antennas. , 2013, , .		2
267	DESIGN OF A LOW SIDELobe 4D PLANAR ARRAY INCLUDING MUTUAL COUPLING. Progress in Electromagnetics Research M, 2013, 31, 103-116.	0.9	4
268	Analysis and design of Luneberg lens antenna with simultaneous Ku/K/Ka-band feed-system. , 2012, , .		1
269	Direction and polarization estimations of signals using vector circular array. , 2012, , .		1
270	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

#	ARTICLE	IF	CITATIONS
271	A Projection-Based Approach for Ultra-Low Side-Lobe Pattern Synthesis in Time-Modulated Spherical Arrays. <i>Electromagnetics</i> , 2012, 32, 61-76.	0.7	1
272	Gain Improvement in Time-Modulated Linear Arrays Using SPDT Switches. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012, 11, 994-997.	4.0	43
273	A QPSK modulation scheme based on four dimensional antenna arrays. , 2012, , .		1
274	Design of a miniaturized broadband phased array antenna element. , 2012, , .		1
275	A dual-polarized circular stacked patch antenna for pico base stations. , 2012, , .		1
276	A compact and dual-polarized microstrip array antenna for mini base station applications. , 2012, , .		1
277	Design of a dual-band quadrifilar helix antenna. , 2012, , .		1
278	An planar ultrawideband phased array with low profile impedance matching layers. , 2012, , .		1
279	A NOVEL WIDEBAND ANTENNA ARRAY WITH TIGHTLY COUPLED OCTAGONAL RING ELEMENTS. <i>Progress in Electromagnetics Research</i> , 2012, 124, 55-70.	4.4	24
280	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.	1.9	28
281	A double-layered printed dipole antenna with parasitic strips. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 1517-1520.	1.4	10
282	Pattern Synthesis with Specified Broad Nulls in Time-Modulated Circular Antenna Arrays. <i>Electromagnetics</i> , 2011, 31, 355-367.	0.7	9
283	Band-notched UWB planar antenna with parasitic spiral strips. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 1532-1535.	1.4	9
284	Synthesis of low sidelobe time modulated planar arrays with uniform amplitude and sub-sectional optimized time steps. , 2011, , .		1
285	A wideband and dual polarization base station antenna for IMT-advanced system. , 2011, , .		6
286	A Pattern Synthesis Approach in Four-Dimensional Antenna Arrays with Practical Element Models. <i>Journal of Electromagnetic Waves and Applications</i> , 2011, 25, 2274-2286.	1.6	7
287	Optimal design of a spherical lens antenna with practical feed model. , 2011, , .		0
288	DESIGN AND OPTIMIZATION OF SPHERICAL LENS ANTENNAS INCLUDING PRACTICAL FEED MODELS. <i>Progress in Electromagnetics Research</i> , 2011, 120, 355-370.	4.4	9

#	ARTICLE	IF	CITATIONS
289	Enhancing the Convergence Speed of Space Mapping Technique in Cylinder Conformal Antennas Optimization. Journal of Infrared, Millimeter, and Terahertz Waves, 2010, 31, 162.	2.2	0
290	Adaptive Nulling with Time-Modulated Antenna Arrays Using a Hybrid Differential Evolution Strategy. Electromagnetics, 2010, 30, 574-588.	0.7	20
291	Shaped patterns synthesis in time-modulated antenna arrays with static uniform amplitude and phase excitations. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2010, 5, 179-184.	0.6	6
292	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.	1.2	16
293	Efficient analysis of wireless communication antennas using an accurate [Z] matrix interpolation technique. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 382-390.	1.2	1
294	A Hybrid Analog-Digital Adaptive Beamforming in Time-Modulated Linear Arrays. Electromagnetics, 2010, 30, 356-364.	0.7	20
295	Array signal processing in Four-Dimensional antenna arrays. , 2010, , .		0
296	Sidelobe Suppression in Time Modulated Linear Arrays with Unequal Element Spacing. Journal of Electromagnetic Waves and Applications, 2010, 24, 775-783.	1.6	43
297	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
298	Bandwidth Enhancement Method for Low Profile E-Shaped Microstrip Patch Antennas. IEEE Transactions on Antennas and Propagation, 2010, 58, 2442-2447.	5.1	104
299	Noval design of a broadband phased array antenna. , 2010, , .		0
300	A novel application for sum-difference pattern detection of signal direction using time-modulated linear arrays. , 2010, , .		1
301	The role of ground plane plays in wideband phased array antenna. , 2010, , .		4
302	Study on multiple frequencies and polarizations feed technique in luneberg lens antenna. , 2010, , .		1
303	A dielectric lens antenna design by using the effective medium theories. , 2010, , .		1
304	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
305	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
306	A NOVEL ELECTRONIC BEAM STEERING TECHNIQUE IN TIME MODULATED ANTENNA ARRAY. Progress in Electromagnetics Research, 2009, 97, 391-405.	4.4	149

#	ARTICLE	IF	CITATIONS
307	SIMULATION OF TIME MODULATED LINEAR ANTENNA ARRAYS USING THE FDTD METHOD. Progress in Electromagnetics Research, 2009, 98, 175-190.	4.4	42
308	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
309	Power-pattern synthesis in time modulated semicircular arrays. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	1
310	Direction of arrival estimation in time modulated linear arrays. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	0
311	A novel beam scanning technique in time modulated linear arrays. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	2
312	Adaptive beamforming in time modulated antenna arrays based on beamspace data. , 2009, , .		5
313	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	11
314	Mutual-Coupling Compensation in Time-Modulated Antenna Arrays for Flat-Top Pattern Synthesis. Electromagnetics, 2009, 29, 499-507.	0.7	3
315	A new dual-band diversity antenna used for mobile phone. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	0
316	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
317	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
318	A novel variable phase shifter based on helical slowwave structure. , 2009, , .		0
319	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
320	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
321	A novel radiation pattern reconfigurable microstrip antenna for wide-angle scanning application in phased antenna array. Microwave and Optical Technology Letters, 2008, 50, 1539-1540.	1.4	4
322	A novel reconfigurable circular polarization patch antenna. Microwave and Optical Technology Letters, 2008, 50, 1921-1923.	1.4	4
323	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.	1.4	12
324	A broadband linear phased array based on mutual coupling. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
325	Optimization of a luneberg lens antenna using the differential evolution algorithm. , 2008, , .		6
326	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
327	Adaptive nulling in time-modulated antenna arrays. , 2008, , .		5
328	Reply to "Comments on "A Novel Broadband Printed Dipole Antenna With Low Cross-Polarization" IEEE Transactions on Antennas and Propagation, 2008, 56, 1506-1506.	5.1	1
329	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
330	The application of time modulated arrays in pulse Doppler radar. , 2008, , .		0
331	Conformal Frequency Reconfigurable Microstrip Antenna on a Thin Substrate for Wide-Band Applications. Electromagnetics, 2008, 28, 427-432.	0.7	1
332	An adaptive beamforming in time modulated antenna arrays. , 2008, , .		4
333	Study of moving phase center antenna arrays using the FDTD method. , 2008, , .		2
334	Multiple Patterns from Time-Modulated Linear Antenna Arrays. Electromagnetics, 2008, 28, 562-571.	0.7	11
335	A Practical Array Pattern Synthesis Approach Including Mutual Coupling Effects. Electromagnetics, 2007, 27, 53-63.	0.7	8
336	A Variable Step Length Hybrid Approach for Electromagnetic Ray Tracing in Ionosphere. Electromagnetics, 2007, 27, 331-340.	0.7	1
337	Synthesis of Uniform Amplitude Thinned Linear Phased Arrays Using the Differential Evolution Algorithm. Electromagnetics, 2007, 27, 287-297.	0.7	36
338	A Novel Broadband Printed Dipole Antenna With Low Cross-Polarization. IEEE Transactions on Antennas and Propagation, 2007, 55, 3091-3093.	5.1	79
339	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
340	The Four Dimensional Linear Antenna Arrays. , 2006, , .		2
341	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
342	Study of Low Sidelobe Time Modulated Linear Antenna Arrays at Millimeter-Waves. Journal of Infrared, Millimeter and Terahertz Waves, 2005, 26, 443-456.	0.6	9

#	ARTICLE	IF	CITATIONS
343	Mutual coupling compensation in time modulated linear antenna arrays. IEEE Transactions on Antennas and Propagation, 2005, 53, 4182-4185.	5.1	40
344	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
345	Linear antenna arrays with bidirectional phase center motion. IEEE Transactions on Antennas and Propagation, 2005, 53, 1829-1835.	5.1	65
346	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
347	Antenna-array pattern nulling using a differential evolution algorithm. International Journal of RF and Microwave Computer-Aided Engineering, 2004, 14, 57-63.	1.2	108
348	Evaluation of directivity and gain for time-modulated linear antenna arrays. Microwave and Optical Technology Letters, 2004, 42, 167-171.	1.4	98
349	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
350	Moving phase center antenna arrays with optimized static excitations. Microwave and Optical Technology Letters, 2003, 38, 83-85.	1.4	42
351	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
352	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
353	A new method for the design of a quasi-optical mode converter with a special reflector. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1849-1852.	4.6	4
354	Broadband conical printed quadrifilar helical antenna with integrated feed network. Microwave and Optical Technology Letters, 2002, 35, 491-493.	1.4	12
355	Design of Modified Short Backfire Antennas for Millimeter-Waves Wireless LAN Applications. Journal of Infrared, Millimeter and Terahertz Waves, 2002, 23, 755-764.	0.6	0
356	FDTD design of bifilar and quadrifilar truncated spherical helical antennas. Microwave and Optical Technology Letters, 2001, 30, 246-249.	1.4	1
357	A numerical study on the influence of an input mode mixture in high-power microwave waveguide mode converters. , 2000, 24, 129-131.		0
358	FDTD design of a novel short backfire antenna for millimeter-wave wireless LAN applications. , 2000, 24, 348-349.		8
359	TLM analysis of mutual coupling of microstrip patch antenna array. IET Microwaves Antennas and Propagation, 2000, 147, 207.	1.2	5
360	Analysis of High Power Millimeter Wave Waveguide Mode Converters with Input Mode Mixture. Journal of Infrared, Millimeter and Terahertz Waves, 2000, 21, 219-230.	0.6	3

#	ARTICLE	IF	CITATIONS
361	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
362	A rigorous study of the rf fields in complex cavities with gradual transitions. Journal of Infrared, Millimeter and Terahertz Waves, 1996, 17, 1895-1906.	0.6	4
363	Numerical modelling of 8mm TM01-TE11 mode converter. Journal of Infrared, Millimeter and Terahertz Waves, 1995, 16, 1935-1943.	0.6	19
364	An improved algorithm for microwave imaging of parallel perfectly conducting cylinders. , 0, , .		0
365	Short backfire antennas for wireless LAN applications at millimeter-waves. , 0, , .		10
366	Synthesis of Low Sidelobe Planar Antenna Arrays With Time Modulation. , 0, , .		2
367	Mutual Coupling Compensation in Small Antenna Arrays by The Differential Evolution Algorithm. , 0, , .		1
368	In-band scattering reduction of phased array by loading artificial electromagnetic materials. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	1.2	0