

Yikai Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Ferrite-Loaded Ultralow Profile Ultrawideband Tightly Coupled Dipole Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 1965-1975.	5.1	23
2	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
3	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
4	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
5	In-Band Scattering Cancellation Techniques for Vivaldi Antenna Array. IEEE Transactions on Antennas and Propagation, 2022, 70, 3411-3420.	5.1	7
6	An Irregular Tiled Array Technique for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2022, 21, 4509-4521.	9.2	8
7	Spatiotemporal analysis of crash severity on rural highway: A case study in Anhui, China. Accident Analysis and Prevention, 2022, 165, 106538.	5.7	19
8	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
9	Wideband Receive Beamforming Based on 4-D Antenna Arrays With Postmodulation. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 740-744.	4.0	1
10	A Novel Method for Maximum Directivity Synthesis of Irregular Phased Arrays. IEEE Transactions on Antennas and Propagation, 2022, 70, 4426-4438.	5.1	9
11	Synthesis, Control, and Excitation of Characteristic Modes for Platform-Integrated Antenna Designs: A design philosophy. IEEE Antennas and Propagation Magazine, 2022, 64, 41-48.	1.4	17
12	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
13	Setting the speed limit for highway horizontal curves: A revision of inferred design speed based on vehicle system dynamics. Safety Science, 2022, 151, 105729.	4.9	5
14	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
15	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
16	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
17	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
18	Identification of black spots on highways using fault tree analysis and vehicle safety boundaries. Journal of Transportation Safety and Security, 2021, 13, 46-68.	1.6	8

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	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
24	A low-profile wide-scanning fully metallic lens antenna for 5G communication. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22584.	1.2	3
25	A crash risk identification method for freeway segments with horizontal curvature based on real-time vehicle kinetic response. Accident Analysis and Prevention, 2021, 150, 105911.	5.7	10
26	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
27	Characteristic Mode Analysis for Antennas with Waveport Problems. , 2021, , .		0
28	Service quality evaluation of bus lines based on improved momentum back-propagation neural network model: A study of Hangzhou in China. IET Intelligent Transport Systems, 2021, 15, 958-972.	3.0	2
29	Dual-polarized stacked microstrip antenna with trident-shaped baluns for MIMO array development. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22736.	1.2	4
30	A Thinned Irregular Array Synthesis Approach Based on Benders Decomposition. IEEE Transactions on Antennas and Propagation, 2021, 69, 3875-3885.	5.1	4
31	One-dimensional conformal ultra-wideband connected slot arrays with reduced scattering. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22802.	1.2	0
32	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
33	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
34	Stable directional emission in active optical waveguides shielding external environmental influences. Applied Optics, 2021, 60, 6155.	1.8	3
35	An active, ultra-wideband dual-polarized tightly coupled dipole subarray for satellite communication. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22849.	1.2	1
36	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

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37	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
38	Exploring relationships between microscopic kinetic parameters of tires under normal driving conditions, road characteristics and accident types. Journal of Safety Research, 2021, 78, 80-95.	3.6	6
39	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
40	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
41	Low Probability of Interception Beamforming in Single-Sideband Time-Modulated Antenna Arrays. , 2021, , .		0
42	A 9:1 Bandwidth Low-Profile Tightly Coupled Dipole Array with Compact Matching Network. , 2021, , .		0
43	Synthesis of Sparse Antenna Arrays via Iterative Convex Optimization. , 2021, , .		0
44	Conformal Ultra-Wideband Tightly Coupled Arrays With Low-Scattering Characteristics. , 2021, , .		1
45	A Miniaturized Dual-Polarized Base Station Antenna with Stable Radiation Pattern. , 2021, , .		0
46	A Novel In-Band Scattering Cancellation Technique for Vivaldi Antenna Array. , 2021, , .		1
47	An Ultra-wideband Dual-Polarized Low-Profile Tightly Coupled Dipole Array. , 2021, , .		3
48	A Low-Scattering Conformal Phased Array Based on Resistor-Loaded Metasurface. , 2021, , .		0
49	Scanning Radiation Pattern Synthesis using Characteristic Mode of Airship Platform. , 2021, , .		0
50	An In-Band Decoupling Technique for Base Station Antennas. , 2021, , .		0
51	Development of A Multi-Band Shared-Aperture Antenna Array. , 2021, , .		0
52	A wide-angle scanning ellipsoid lens antenna fed by phased array antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22127.	1.2	7
53	In-Band Scattering Reduction for a U-Slot Patch Antenna. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 312-316.	4.0	15
54	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

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55	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
56	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
57	Failure modes of protection layers produced by atomic layer deposition of amorphous TiO ₂ on GaAs anodes. Energy and Environmental Science, 2020, 13, 4269-4279.	30.8	15
58	Synthesis of Sparse Linear Arrays Including Directivity via a Hybrid I1 Minimization Algorithm. , 2020, , .		0
59	2-D Wide-Scanning Flat Luneburg Lens Antenna for 5G Communication. , 2020, , .		2
60	Applying latent class analysis to investigate rural highway single-vehicle fatal crashes in China. Accident Analysis and Prevention, 2020, 148, 105840.	5.7	20
61	An Irregular Tightly Coupled Dipole Array with Wide Scanning Angles. , 2020, , .		0
62	Fluorescence molecular localization in submicronic depth through waveguide mode coupled emission. Optics Communications, 2020, 475, 126290.	2.1	2
63	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
64	A Crash Severity Prediction Method Based on Improved Neural Network and Factor Analysis. Discrete Dynamics in Nature and Society, 2020, 2020, 1-13.	0.9	8
65	Improving Physical Layer Security Technique Based on 4-D Antenna Arrays with Pre-Modulation. , 2020, , .		1
66	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
67	A criterion of the vertical spacing between fluorescent molecules in a waveguide structure. Results in Physics, 2020, 17, 103030.	4.1	0
68	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
69	Aircraft-Integrated VHF Band Antenna Array Designs Using Characteristic Modes. IEEE Transactions on Antennas and Propagation, 2020, 68, 7358-7369.	5.1	10
70	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
71	Efficient Design of Tightly Coupled Dipole Array Using an Equivalent Circuit-Based Approach. IEEE Access, 2020, 8, 14013-14023.	4.2	12
72	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

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73	Sparsely Excited Tightly Coupled Dipole Arrays Based on Irregular Array Techniques. IEEE Transactions on Antennas and Propagation, 2020, 68, 6098-6108.	5.1	13
74	Near-field spectrum retrieving through non-degenerate coupling emission. Nanophotonics, 2020, 9, 235-243.	6.0	6
75	INVESTIGATING FACTORS AFFECTING ROAD FREIGHT OVERLOADING THROUGH THE INTEGRATED USE OF BLR AND CART: A CASE STUDY IN CHINA. Transport, 2020, 35, 236-246.	1.2	3
76	Design of 4D Irregular Tiled Arrays Based on Mixed Integer Second Order Cone Programming. , 2020, , .		0
77	Low Mutual Coupling Dual-Polarized Antenna Array with Novel Baffles for Base Station Applications. , 2020, , .		2
78	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
79	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
80	Pattern Synthesis of a Time-modulated Vivaldi Linear Array with MOEA/D Algorithm. , 2019, , .		2
81	Practical Implementation of Wideband and Wide-Scanning Cylindrically Conformal Phased Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 5729-5733.	5.1	56
82	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
83	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
84	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
85	A Low-Profile Dual-Band Dual-Polarized Base Station Antenna Array for Sub-6 GHz Applications. , 2019, , .		1
86	Phased Hemispherical Lens Antenna for 1-D Wide-Angle Beam Scanning. IEEE Transactions on Antennas and Propagation, 2019, 67, 7617-7621.	5.1	11
87	Thinned Planar Array Synthesis Based On Multiagent Genetic Algorithm. , 2019, , .		3
88	Dual-Polarized Tightly Coupled Dipole Array for UHF“<itali>X</itali>-Band Satellite Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 467-471.	4.0	31
89	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
90	Accurate Models of Time-Invariant Beampatterns for Frequency Diverse Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 3022-3029.	5.1	76

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91	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
92	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
93	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
94	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
95	Crossing Space, Time And Frequency Domains: Recent Developments of Four-Dimensional Antenna Arrays. , 2019, , .		0
96	A Low-Profile Dual-Band Dual-Polarized Antenna for Base Station Applications. , 2019, , .		0
97	Design of an Ultra-wideband UHF Scanning Phased Array with End-fire Beams. , 2019, , .		0
98	In-Band RCS Reduction of a U-Slot Microstrip Patch Antenna. , 2019, , .		2
99	Time-Modulated Beamforming in Antenna Arrays with Multiple Sub-Branch RF Switches. , 2019, , .		2
100	A Circularly Polarized Luneberg Lens Antenna for Half-Space Beam Coverage. , 2019, , .		4
101	A Novel Design of Dual-Band Dual-Polarized Base Station Antenna Based on Frequency Selective Surface. , 2019, , .		0
102	A Cylindrical Lens Antenna With Extremely Flat Beams. IEEE Access, 2019, 7, 156675-156685.	4.2	2
103	2D flat Luneburg lens antenna for multibeam scanning application. Electronics Letters, 2019, 55, 1317-1318.	1.0	6
104	Transmit Beamforming Based on 4D Antenna Arrays with Pseudo-Random Orthogonal Time Sequences. , 2019, , .		0
105	An Unified Equation for Active Reflection Coefficient in 4D Antenna Arrays including Mutual Coupling Effect. , 2019, , .		1
106	An Efficient Design Approach for Wideband Tightly Coupled Antenna Arrays. , 2019, , .		1
107	Low-Profile Wideband Long Slot Phased Arrays Based on Novel AMC Reflectors. , 2019, , .		3
108	Coupling of Fluorophores in Single Nanoapertures with Tamm Plasmon Structures. Journal of Physical Chemistry C, 2019, 123, 1413-1420.	3.1	15

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109	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
110	Ultrawideband Phased Antenna Arrays Based on Tightly Coupled Open Folded Dipoles. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 378-382.	4.0	40
111	Robust kinematics design of MacPherson suspension based on a double-loop multi-objective particle swarm optimization algorithm. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 3263-3278.	1.9	10
112	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
113	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
114	Bandwidth Enhancement of a Dual-Polarized Slot Antenna Using Characteristic Modes. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 988-992.	4.0	37
115	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
116	Wideband Dual-Polarized Linear Array of Tightly Coupled Elements. IEEE Transactions on Antennas and Propagation, 2018, 66, 476-480.	5.1	59
117	Evaluation of the safety performance of highway alignments based on fault tree analysis and safety boundaries. Traffic Injury Prevention, 2018, 19, 409-416.	1.4	6
118	Realization of multiple orbital angular momentum modes simultaneously through four-dimensional antenna arrays. Scientific Reports, 2018, 8, 149.	3.3	8
119	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
120	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
121	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
122	A Low Profile Dual-Band Dual-Polarized Shared-aperture Antenna for Base Station Applications. , 2018, , ,		1
123	Characteristic Mode Synthesis of Scanning Beam Patterns for Aircraft Applications. , 2018, , ,		0
124	A Flush-mounted Ultra-wideband Scanning Phased Array with End-fire Radiation Pattern. , 2018, , ,		1
125	Synthesis of 4D Linear Antenna Arrays Using an Iterative Convex Optimization Algorithm. , 2018, , ,		1
126	Black Box Method for The Radiation and Scattering Optimization of TCDA. , 2018, , ,		1

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127	Design of a Compact Wideband Dual-Polarized Base-Station Antenna with Stable Radiation Patterns. , 2018, , .		2
128	A Cylindrical Luneberg Lens Antenna with Extremely Wide Fan-Beam. , 2018, , .		3
129	Low Probability of Interception Signal Transmission Based on 4D Antenna Arrays. , 2018, , .		3
130	Scattering Control Using Advanced Characteristic Mode Theories. , 2018, , .		0
131	RCS Reduction of Microstrip Antenna Based on Characteristic Mode Analysis. , 2018, , .		2
132	Planar Printed Quasi-Yagi Antenna Designs Using Characteristic Modes. , 2018, , .		0
133	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
134	Optimization of Geometric Parameters of Longitudinal-Connected Air Suspension Based on a Double-Loop Multi-Objective Particle Swarm Optimization Algorithm. Applied Sciences (Switzerland), 2018, 8, 1454.	2.5	10
135	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
136	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
137	AMillimeter-Wave Phased Array Fed Biconvex Lens Antenna. , 2018, , .		2
138	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
139	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
140	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
141	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
142	Atomic force microscopy with nanoelectrode tips for high resolution electrochemical, nanoadhesion and nanoelectrical imaging. Nanotechnology, 2017, 28, 095711.	2.6	58
143	A comparison of the chemical, optical and electrocatalytic properties of water-oxidation catalysts for use in integrated solar-fuel generators. Energy and Environmental Science, 2017, 10, 987-1002.	30.8	50
144	Characteristic Mode Formulation for Dielectric Coated Conducting Bodies. IEEE Transactions on Antennas and Propagation, 2017, 65, 1248-1258.	5.1	32

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145	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
146	Direction finding based on TMAs with reconfigurable angle searching range and bearing accuracy. Electronics Letters, 2017, 53, 130-132.	1.0	14
147	An Improved Phase Modulation Technique Based on Four-Dimensional Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1175-1178.	4.0	30
148	Analysis of dielectric coated conducting bodies using characteristic mode theory. , 2017, , .		0
149	Label-Free Chemical Imaging of Latent Fingerprints with Stimulated Raman Scattering Microscopy. Analytical Chemistry, 2017, 89, 4468-4473.	6.5	33
150	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
151	Application of characteristic modes for the analysis of scattering from dielectric coated conducting bodies. , 2017, , .		1
152	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
153	A planar ultrawideband linear array with resistor-loaded FSS. , 2017, , .		0
154	HF band aircraft integrated multi-antenna system designs using characteristic modes. , 2017, , .		1
155	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
156	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
157	Characteristic mode analysis of composite metallic-dielectric bodies. , 2017, , .		0
158	A wideband tightly coupled phased array with reduced scattering characteristics. , 2017, , .		1
159	Efficient pattern synthesis of large scale four-dimensional heterogeneous antenna arrays. , 2017, , .		0
160	Generation of orbital angular momentum modes by four dimensional antenna arrays. , 2017, , .		0
161	Label-free pathology by spectrally sliced femtosecond stimulated Raman scattering (SRS) microscopy. PLoS ONE, 2017, 12, e0178750.	2.5	28
162	Mixed-Potential Integral Equation Based Characteristic Mode Analysis of Microstrip Antennas. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	1.2	15

#	ARTICLE	IF	CITATIONS
163	Efficient sideband suppression in 4D antenna arrays with multiple time modulation frequencies. , 2016, , .		1
164	Differences in Factors Affecting Various Crash Types with High Numbers of Fatalities and Injuries in China. PLoS ONE, 2016, 11, e0158559.	2.5	10
165	PeakForce Scanning Electrochemical Microscopy with Nanoelectrode Probes. Microscopy Today, 2016, 24, 18-25.	0.3	32
166	A miniaturized wideband dual-polarized linear array with balanced antipodal Vivaldi antenna. , 2016, , .		4
167	Characteristic mode theory for antennas with multilayered media. , 2016, , .		1
168	Subarrayed 4D antenna arrays with tapered amplitude excitations. , 2016, , .		0
169	Identification methods of key contributing factors in crashes with high numbers of fatalities and injuries in China. Traffic Injury Prevention, 2016, 17, 878-883.	1.4	24
170	Scattering analysis for arbitrarily shaped dielectric bodies using characteristic modes. , 2016, , .		2
171	Modellierung, Simulation und Implementierung von Zellen fÃ¼r die solargetriebene Wasserspaltung. Angewandte Chemie, 2016, 128, 13168-13183.	2.0	10
172	An effective hybrid optimization algorithm for the synthesis of 4-D linear antenna arrays. , 2016, , .		1
173	Solar-Driven Reduction of 1 atm of CO ₂ to Formate at 10% Energy-Conversion Efficiency by Use of a TiO ₂ -Protected IIIâ€V Tandem Photoanode in Conjunction with a Bipolar Membrane and a Pd/C Cathode. ACS Energy Letters, 2016, 1, 764-770.	17.4	173
174	Modeling, Simulation, and Implementation of Solarâ€Driven Waterâ€Splitting Devices. Angewandte Chemie - International Edition, 2016, 55, 12974-12988.	13.8	119
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