

# Bing-zhong Wang

## List of Publications by Year in descending order

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580  
papers

9,642  
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29928

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67958

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594  
all docs

594  
docs citations

594  
times ranked

15530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse Design of SIW Devices Based on the Internal Multiport Method. , 2024, 34, 171-174.		0
2	Physics-Informed Neural Networks With Embedded Analytical Models: Inverse Design of Multilayer Dielectric-Loaded Rectangular Waveguide Devices. IEEE Transactions on Microwave Theory and Techniques, 2024, 72, 3993-4005.	4.7	1
3	360°-Beam-Steering Low-Sidelobe Time Reversal Microwave Power Transfer by Superposition of Multiple Weighted Radiation Modes. IEEE Antennas and Wireless Propagation Letters, 2024, 23, 1134-1138.	4.4	0
4	Flatness Scanning and Superdirectivity in Planar Antenna Arrays: An Analysis and Design Approach Using IDMBSA. IEEE Antennas and Wireless Propagation Letters, 2024, 23, 1346-1350.	4.4	0
5	Determining Aperture Field for Arbitrary Phaseless Far-Field Utilizing Inverse Design Method Based on Spectral Analysis. IEEE Transactions on Antennas and Propagation, 2024, 72, 2861-2866.	5.3	0
6	Multi-Posture Microwave Power Transmission with Dual Alignment of Transmitting and Receiving Beams by Forward and Backward Time Reversal. IEEE Antennas and Wireless Propagation Letters, 2024, , 1-5.	4.4	0
7	High-Efficiency Multiuser Wireless Power Transfer by Sequentially Tracking the Optimal Rectified Power of Multiple Groups With a Power-Limited Transmitter. IEEE Sensors Journal, 2024, 24, 13129-13141.	4.8	0
8	A versatile design method applied to reconfigurable metasurfaces. Journal of Applied Physics, 2024, 135, .	2.3	0
9	Applications of the Simplest Equation Procedure to Some Fractional Order Differential Equations in Mathematical Physics. International Journal of Applied and Computational Mathematics, 2024, 10, .	1.7	0
10	Inverse Design Method for Horn Antennas Based on Knowledge-Embedded Physics-Informed Neural Networks. IEEE Antennas and Wireless Propagation Letters, 2024, 23, 1665-1669.	4.4	0
11	Ultrathin Dual Polarization Huygens's™ Element With Broadband Electric and Magnetic Resonance Modes Degeneracy for Ka-Band Conformal Lens Antenna. IEEE Transactions on Antennas and Propagation, 2024, 72, 4600-4605.	5.3	0
12	Broadband Dual-Polarization Thin Aperture Based on Dense Arrangement of Subwavelength Unit Cells for Low-Profile Transmitarray Antenna. IEEE Transactions on Antennas and Propagation, 2024, 72, 5295-5300.	5.3	0
13	A Millimeter Wave Dual-Band Antenna Based on Microstrip Dual-Loop and Patch. IEEE Antennas and Wireless Propagation Letters, 2024, , 1-5.	4.4	0
14	Scanning Quasi-Nondiffractive Beam Enabled by Low-Profile Source-Integrated Launcher Based on Metasurface. IEEE Transactions on Antennas and Propagation, 2024, , 1-1.	5.3	0
15	Equivalent Circuit Guided GAN Sample Generation of Metasurface for Low-RCS Scanning Array. IEEE Transactions on Antennas and Propagation, 2024, , 1-1.	5.3	0
16	Circularly Polarized High Gain K-Band Liquid Crystal Phased Array Antenna. IEEE Transactions on Antennas and Propagation, 2024, , 1-1.	5.3	0
17	Observation of resilient propagation and free-space skyrmions in toroidal electromagnetic pulses. Applied Physics Reviews, 2024, 11, .	11.7	0
18	Inverse Design Method for Electromagnetic Periodic Structures Based on Physics-Informed Neural Network With Embedded Analytical Models. IEEE Transactions on Microwave Theory and Techniques, 2024, , 1-10.	4.7	0

#	ARTICLE	IF	CITATIONS
19	Optical atompilz: Propagation-invariant strongly longitudinally polarized toroidal pulses. Applied Physics Letters, 2024, 125, .	3.2	0
20	Increasing Microwave Penetration Depth in the Human Body by a Complex Impedance Match of Skin Interface with a Two-Layered Medium. Electronics (Switzerland), 2024, 13, 3915.	3.2	0
21	A V-Band 45° Linearly Polarized Gap Waveguide-Based Corporate-feed Slot Array Antenna with High Overall Performance and Robustness. IEEE Antennas and Wireless Propagation Letters, 2024, , 1-5.	4.4	0
22	An ANN-based surrogate model for wave propagation in uncertain media. Waves in Random and Complex Media, 2023, 33, 428-441.	2.7	2
23	Auto-Tracking Time Reversal Wireless Power Transfer System With a Low-Profile Planar RF-Channel Cascaded Transmitter. IEEE Transactions on Industrial Electronics, 2023, 70, 4245-4255.	8.2	7
24	Knowledge-Based Neural Network for Multiphysical Field Modeling. IEEE Transactions on Microwave Theory and Techniques, 2023, 71, 1967-1976.	4.7	2
25	Miniaturized Wideband $\hat{\pm}45^\circ$ Dual-Polarized Metasurface Antenna by Loading Quasi-Fractal Slot. IEEE Antennas and Wireless Propagation Letters, 2023, 22, 893-897.	4.4	5
26	Inverse-Designed Superstrate for Arbitrary Shaped-Beam Radiation Pattern Based on Inverse Scattering Method. IEEE Transactions on Antennas and Propagation, 2023, 71, 3828-3835.	5.3	2
27	A Low-Cost Wideband Dual Circularly Polarized Aperiodic 2-D Phased Array. IEEE Transactions on Antennas and Propagation, 2023, 71, 3080-3090.	5.3	6
28	Control of Time-Reversal Aperture by High-Precision Phase-Modulated and Dual-Polarized Metasurface. IEEE Transactions on Antennas and Propagation, 2023, 71, 5446-5451.	5.3	1
29	Wind Speed Measurement via Visual Recognition of Wind-Induced Waving Light Stick Target. Applied Sciences (Switzerland), 2023, 13, 5375.	2.6	0
30	Dual-Polarized Multiresonant Metantenna for Quasi-Independent Radiation and In-Band Scattering Manipulation. IEEE Transactions on Antennas and Propagation, 2023, 71, 5895-5908.	5.3	2
31	Limit Values Acquisition in Field Control Problems Using Information-Based Time-Reversal Technique. IEEE Transactions on Antennas and Propagation, 2023, 71, 7694-7699.	5.3	2
32	A Broadband Filtering Circularly Polarized Folded Transmitarray Antenna Based on Metasurface. IEEE Antennas and Wireless Propagation Letters, 2023, 22, 2357-2361.	4.4	1
33	Machine-Learning-Based Generative Optimization Method and Its Application to an Antenna Decoupling Design. IEEE Transactions on Antennas and Propagation, 2023, 71, 6243-6248.	5.3	9
34	Initial Structure Construction for Multi-Frequency Nanophotonic Devices Based on TR-PCA Method. IEEE Photonics Technology Letters, 2023, 35, 967-970.	2.5	0
35	A More General Electromagnetic Inverse Scattering Method Based on Physics-Informed Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-9.	6.4	5
36	Cascaded Time-Reversal-MUSIC Approach for Accurate Location of Passive Intermodulation Sources Activated by Antenna Array. IEEE Transactions on Antennas and Propagation, 2023, 71, 8841-8853.	5.3	2

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37	Low Complexity Time Reversal Imaging Methods based on Truncated Time Reversal Operator. IEEE Transactions on Geoscience and Remote Sensing, 2023, , 1-1.	6.4	0
38	Wall-Meshed Cavity Resonator-Based Wireless Power Transfer Without Blocking Wireless Communications With Outside World. IEEE Transactions on Industrial Electronics, 2022, 69, 7481-7490.	8.2	5
39	An Effective Hybrid Synthesis Strategy of Multibeam Subarray. IEEE Transactions on Antennas and Propagation, 2022, 70, 2623-2632.	5.3	4
40	Accurate Iterative Inverse Scattering Methods Based on Finite-Difference Frequency-Domain Inversion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.4	6
41	Selectively Powering Multiple Small-Size Devices Spaced at Diffraction Limited Distance With Point-Focused Electromagnetic Waves. IEEE Transactions on Industrial Electronics, 2022, 69, 13696-13705.	8.2	7
42	Design of High-Gain Metasurface Antenna Based on Characteristic Mode Analysis. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 661-665.	4.4	12
43	Metasurface-Based Beam Scanning Array With In-Band Co-Polarized Scattered Field Shaping. IEEE Transactions on Antennas and Propagation, 2022, 70, 4439-4448.	5.3	8
44	Substrate-Integrated Cavity-Backed Array With Controlled Mutual Coupling for Wide Scanning. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 808-812.	4.4	3
45	Dimension-Reduced Optimization for Uniform Near-Field Synthesis of Irregular Arrays. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 908-912.	4.4	2
46	Subspace-Based Distorted FDFD Iterative Method for Inverse Scattering. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
47	Shape Modeling of Microstrip Filters Based on Convolutional Neural Network. IEEE Microwave and Wireless Components Letters, 2022, 32, 1019-1022.	3.3	6
48	A Low-Cost Beam Steering Antenna for Indoor Wireless Communication. IEEE Transactions on Antennas and Propagation, 2022, 70, 8548-8553.	5.3	5
49	Dual-Polarized Nonuniform Fabry-Pérot Cavity Antenna With Flat-Topped Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1060-1064.	4.4	5
50	Wide-Angle, Ultra-Wideband, Polarization-Independent Circuit Analog Absorbers. IEEE Transactions on Antennas and Propagation, 2022, 70, 7276-7281.	5.3	19
51	Treatment of epithelial ingrowth after LASIK with partial flap lifting, mechanical debridement and sectorial flap suturing. Journal Francais D'Ophtalmologie, 2022, 45, e129-e131.	0.4	0
52	A Compact High-Selectivity Wideband Filtering Antenna With Multipath Coupling Structure. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1654-1658.	4.4	13
53	Efficient EDM-PO Method for the Scattering From Electrically Large Objects With the High-Order Impedance Boundary Condition. IEEE Transactions on Antennas and Propagation, 2022, 70, 8242-8249.	5.3	3
54	Knowledge-Based Neural Network for Thinned Array Modeling With Active Element Patterns. IEEE Transactions on Antennas and Propagation, 2022, 70, 11229-11234.	5.3	6

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55	A Square-Grid Arrangement Method for Large-Spacing Planar Phased Array Grating Lobes Homogenization. IEEE Transactions on Antennas and Propagation, 2022, 70, 7538-7545.	5.3	2
56	Two-Dimensional Image Theory-Based Surface-Mounted Linear Array with Azimuth Wide-Angle Scanning Performance. IEEE Transactions on Antennas and Propagation, 2022, , 1-1.	5.3	0
57	A Wideband High-Efficiency Compact Fabry-Pérot Resonant Antenna With Multilayer Partially Reflective Surface. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 2100-2104.	4.4	3
58	Anisotropic Complementary Metantenna for Low Sidelobe Radiation and Low In-Band Co-Polarized Scattering Using Characteristic Mode Analysis. IEEE Transactions on Antennas and Propagation, 2022, 70, 10177-10186.	5.3	4
59	Tunable topological edge and corner states in an all-dielectric photonic crystal. Optics Express, 2022, 30, 40515.	3.4	18
60	Study on an Accurate and Efficient Design Method of Resonant FSSs Based on the Macro-Model of Units in the Basic Strip-Gap FSS. IEEE Transactions on Antennas and Propagation, 2021, 69, 2741-2750.	5.3	10
61	Modeling of electromagnetic radiation-induced from a magnetostrictive/piezoelectric laminated composite. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 385, 126959.	2.2	33
62	Synthesis of Sparse Planar Arrays With Multiple Patterns by the Generalized Matrix Enhancement and Matrix Pencil. IEEE Transactions on Antennas and Propagation, 2021, 69, 869-881.	5.3	22
63	Synthesis of Bessel Beam Using Time-Reversal Method Incorporating Metasurface. IEEE Access, 2021, 9, 30677-30686.	4.4	6
64	Conjugate Impedance Matching Method for Wideband and Wide-Angle Impedance Matching Layer With 70° Scanning in the H-Plane. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 63-67.	4.4	20
65	Design of periodic wideband pixel absorber by genetic algorithm combined with internal multi-port method. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22553.	1.3	1
66	A Low-Cost Light-Weight Ultrawideband Wide-Angle Scanning Tightly Coupled Dipole Array Loaded With Multilayer Metallic Strips. IEEE Access, 2021, 9, 24975-24983.	4.4	7
67	Inverse Artificial Neural Network for Multiobjective Antenna Design. IEEE Transactions on Antennas and Propagation, 2021, 69, 6651-6659.	5.3	43
68	Array factor analysis for ultra-wide-angle scanning performance of planar phased arrays. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 098401.	0.5	4
69	On the Design of Wideband Absorber Based on Multilayer and Multiresonant FSS Array. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 284-288.	4.4	53
70	Substrate-insensitive microstrip monopolar antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22758.	1.3	1
71	Bandwidth enhancement of the omnidirectional and circularly polarized $E_{zr}$ antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22731.	1.3	1
72	Method to obtain the initial value for the inverse design in nanophotonics based on a time-reversal technique. Optics Letters, 2021, 46, 2815.	3.3	9

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73	An Efficient Artificial Neural Network Model for Inverse Design of Metasurfaces. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1013-1017.	4.4	22
74	Cruciferous vegetable consumption and pancreatic cancer: A case-control study. Cancer Epidemiology, 2021, 72, 101924.	2.1	9
75	Cognitive Dysfunction in Multiple Sclerosis: Educational Level as a Protective Factor. Neurology International, 2021, 13, 335-342.	2.8	6
76	Dual-Wideband Hollowed Substrate-Integrated Stacked Antenna for Vertically Mounted Low-Elevation Scanning Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 5100-5105.	5.3	1
77	Beamwidth Reduction for Low-Profile Omnidirectional Antennas With an Annular Loading of Parasitic Elements. IEEE Transactions on Antennas and Propagation, 2021, 69, 5072-5077.	5.3	3
78	Synthesis of Multiple-Pattern Planar Arrays by the Multitask Bayesian Compressive Sensing. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1587-1591.	4.4	3
79	Synthesis of Planar Arrays Based on Fast Iterative Shrinkage-Thresholding Algorithm. IEEE Transactions on Antennas and Propagation, 2021, 69, 6046-6051.	5.3	1
80	Broadband High-Gain Empty SIW Cavity-Backed Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2073-2077.	4.4	7
81	Renormalized Energy Between Vortices in Some Ginzburg-Landau Models on 2-Dimensional Riemannian Manifolds. Archive for Rational Mechanics and Analysis, 2021, 239, 1577-1666.	2.4	17
82	Asynchronous Focusing Time Reversal Wireless Power Transfer for Multi-Users With Equal Received Power Assignment. IEEE Access, 2021, 9, 150744-150752.	4.4	5
83	A Non-Radiative Wireless Power Transfer Based on Sparse Quasi-Static Cavity Resonator. , 2021, , .		1
84	A Method for Shaping Field in a Multilayer Medium. , 2021, , .		0
85	Nonuniform Planar Array Synthesis Including Mutual Coupling Effects Based on ANN. , 2021, , .		1
86	Measurement of b-quark fragmentation properties in jets using the decay $B_{\pm} \rightarrow J/\psi K_{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.8	3
87	A Low-Profile Wideband Hybrid Metasurface Antenna Array for 5G and WiFi Systems. IEEE Transactions on Antennas and Propagation, 2020, 68, 665-671.	5.3	63
88	A system for rapid eDNA detection of aquatic invasive species. Environmental DNA, 2020, 2, 261-270.	5.8	81
89	Salvage RFA in patients with intrahepatic recurrence after major hepatic surgery for colorectal cancer liver metastases: mid-term outcome. European Radiology, 2020, 30, 1221-1227.	4.6	9
90	Design Method of Passive Lossless Metasurfaces With Auxiliary Waves for Beam Control. IEEE Transactions on Antennas and Propagation, 2020, 68, 4126-4131.	5.3	2

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91	Validation of the Latin American Spanish version of the face-name associative memory exam in a Colombian Sample. <i>Clinical Neuropsychologist</i> , 2020, 34, 1-12.	3.0	13
92	Ultrawideband, Wide-Angle Scanning Array With Compact, Single-Layer Feeding Network. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 2788-2796.	5.3	35
93	A Planar Wide-Angle Scanning Phased Array With $X$ -, $Ku$ -, and $K$ -Band RCS Reduction. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 4103-4108.	5.3	14
94	Synthesis of Nonuniformly Spaced Arrays With Frequency-Invariant Shaped Patterns by Sequential Convex Optimization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1093-1097.	4.4	12
95	Implementation Methods for Planar Wide-Angle Scanning Phased Array. , 2020, , .		4
96	The impact of obesity on haemodynamic profiles of pregnant women beyond 34 weeks gestation. <i>Pregnancy Hypertension</i> , 2020, 22, 191-195.	1.8	4
97	Analytically projected, rotationally symmetric, explicitly correlated Gaussian functions with one-axis-shifted centers. <i>Physical Review A</i> , 2020, 102, .	2.5	2
98	Risk factors of lymph node metastasis in the splenic hilum of gastric cancer patients: a meta-analysis. <i>World Journal of Surgical Oncology</i> , 2020, 18, 233.	1.9	5
99	A Wide-Band Self-Complementary Tightly-Coupled Dipole Array With $\pm 80^\circ$ Scanning Range in the E Plane. <i>IEEE Access</i> , 2020, 8, 151316-151324.	4.4	10
100	An ANN-Based Synthesis Method for Nonuniform Linear Arrays Including Mutual Coupling Effects. <i>IEEE Access</i> , 2020, 8, 144015-144026.	4.4	18
101	Asymmetric metasurface antenna with opposite currents for wide beam and low profile wide-angle scanning phased array. , 2020, , .		3
102	Polarization and bandwidth improvements of a zeroth-order resonators loaded microstrip antenna with grid polarization filter cover and metallic cavity. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e22445.	1.3	0
103	Multibranch Artificial Neural Network Modeling for Inverse Estimation of Antenna Array Directivity. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 4417-4427.	5.3	31
104	A metamaterial-based compact broadband planar monopole $\langle \text{scp} \rangle$ MIMO antenna with high isolation. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 2965-2970.	1.5	36
105	Characterization and catalytic behavior of hydrotalcite-derived Ni-Al catalysts for methane decomposition. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 17299-17310.	7.2	27
106	Miniaturization of patch antenna based on hybrid topology optimization. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e22308.	1.3	6
107	Scanning Range Expansion of Planar Phased Arrays Using Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 1402-1410.	5.3	38
108	Computed Tomography Perfusion After Thrombectomy. <i>Stroke</i> , 2020, 51, 1736-1742.	5.3	49

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109	Dolichoectasia of the internal carotid artery terminus, posterior communicating artery, and posterior cerebral artery: The embryonic caudal ramus internal carotid segmental vulnerability legacy. <i>Interventional Neuroradiology</i> , 2020, 26, 711-712.	1.3	4
110	An Eigenmode Correlation-Based Algorithm for Approaching Antenna Optimal Currents With Multiple Feeds. <i>Radio Science</i> , 2020, 55, e2019RS006957.	1.7	0
111	Research on Structurally Integrated Phased Array for Wireless Communications. <i>IEEE Access</i> , 2020, 8, 52359-52369.	4.4	13
112	A Wideband Phased Array With Broad Scanning Range and Wide-Angle Impedance Matching. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 6022-6031.	5.3	16
113	A Planar Ultrawideband Wide-Angle Scanning Array Loaded With Polarization-Sensitive Frequency-Selective Surface Structure. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 7348-7357.	5.3	29
114	Frequency Diversity Array for Near-Field Focusing. <i>Electronics (Switzerland)</i> , 2020, 9, 958.	3.2	2
115	Mutual Coupling Reduction of $\hat{\pm}45^\circ$ Dual-Polarized Closely Spaced MIMO Antenna by Topology Optimization. <i>IEEE Access</i> , 2020, 8, 29089-29098.	4.4	14
116	On the Design of Ultrawideband Circuit Analog Absorber Based on Quasi-Single-Layer FSS. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 591-595.	4.4	72
117	Dual-Wideband High-Gain Fabry-Perot Cavity Antenna. <i>IEEE Access</i> , 2020, 8, 4754-4760.	4.4	24
118	Self-assembling purine and pteridine quartets: how do $\pi$ -conjugation patterns affect resonance-assisted hydrogen bonding?. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1078-1081.	2.9	5
119	Semisupervised Radial Basis Function Neural Network With an Effective Sampling Strategy. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 1260-1269.	4.7	19
120	A Wideband Circularly Polarized Connected Parallel Slot Array in the Presence of a Backing Reflector. <i>IEEE Access</i> , 2020, 8, 26517-26523.	4.4	6
121	Low-Profile Implementation of U-Shaped Power Quasi-Isotropic Antennas for Intra-Vehicle Wireless Communications. <i>IEEE Access</i> , 2020, 8, 48557-48565.	4.4	13
122	Efficient Inverse Extreme Learning Machine for Parametric Design of Metasurfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 992-996.	4.4	16
123	Ultra-Wideband and Wide-Angle Scanning Dual-Polarization Array with Compact Feeding Network. , 2020, , .		0
124	An Analytic Design Method of Scattering Field Intensity Shaping Based on All-Dielectric Cylinders. , 2020, , .		0
125	Shaping Electric Field Intensity via Angular Spectrum Projection and the Linear Superposition Principle. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 8249-8254.	5.3	16
126	Radial Basis Function Neural Network With Hidden Node Interconnection Scheme for Thinned Array Modeling. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 2418-2422.	4.4	10



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127	Efficient Born Iterative Method for Inverse Scattering Based on Modified Forward-Solver. IEEE Access, 2020, 8, 229101-229107.	4.4	8
128	Coplanar Triple-Independent-Element Model for Power Quasi-Isotropic Antennas. , 2020, , .		0
129	A New Tightly-Coupled Dipole Array. , 2020, , .		1
130	Design of High-Gain Miniaturized Patch Antenna by Hybrid Topology Optimization. , 2020, , .		1
131	Anisotropic Metasurface for High-Gain Radiation and Low RCS by Spoof Surface Plasmon Polariton. , 2020, , .		1
132	Three-Dimensional Wireless Power Transfer Based on Meshed Cavity Resonator. , 2020, , .		1
133	Structure Reconstruction Method in the Multi-port Cavity Based on Broadband Time-Reversal. , 2020, , .		0
134	Orthogonality Analysis of Time Reversal Focused Fields. , 2020, , .		0
135	Broadband Low-RCS Phased Array With Wide-Angle Scanning Performance Based on the Switchable Stacked Artificial Structure. IEEE Transactions on Antennas and Propagation, 2019, 67, 6452-6460.	5.3	18
136	A Flush-Mounted Quasi-Full-Space Beam-Scanning Cylindrical Phased Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 4883-4888.	5.3	14
137	Impedance Matching Design of a Low-Profile Wide-Angle Scanning Phased Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 6401-6409.	5.3	19
138	Subwavelength Field Shaping Approach Based on Time Reversal Technique and Defective Metasurfaces. IEEE Access, 2019, 7, 84629-84636.	4.4	3
139	Design of MIMO Antenna Isolation Structure Based on a Hybrid Topology Optimization Method. IEEE Transactions on Antennas and Propagation, 2019, 67, 6298-6307.	5.3	18
140	Achieving Spatial Multi-Point Focusing by Frequency Diversity Array. Electronics (Switzerland), 2019, 8, 883.	3.2	2
141	Design of A Metamaterial Absorber With Ultra-Wide Angle Incidence. , 2019, , .		1
142	Uncertainty Analysis in Dispersive and Lossy Media for Ground-Penetrating Radar Modeling. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1931-1935.	4.4	10
143	Full Analog Broadband Time-Reversal Module for Ultra-Wideband Communication System. IEEE Photonics Journal, 2019, 11, 1-10.	2.0	5
144	Design of a Magnetolectric Dipole Antenna for Wideband Wide-Scanning Phased Array. , 2019, , .		3

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145	Time-Reversal Multi-Channel Transmission With Single Receiving Antenna. IEEE Access, 2019, 7, 66476-66484.	4.4	1
146	Search for rare decays of $Z$ and Higgs bosons to $J/\psi$ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 94.	4.0	22
147	Parametric Modeling of Microwave Components Based on Semi-Supervised Learning. IEEE Access, 2019, 7, 35890-35897.	4.4	10
148	Wireless Cloaking System Based on Time-Reversal Multipath Propagation Effects. IEEE Transactions on Antennas and Propagation, 2019, 67, 1386-1391.	5.3	10
149	A compact four-element multiple-input-multiple-output antenna with enhanced gain and bandwidth. Microwave and Optical Technology Letters, 2019, 61, 1828-1834.	1.5	7
150	A Transient Material Scheme for Realizing Time Reversal Mirror. , 2019, , .		0
151	Power Equalization Scheme for Multi-User Radiative Focusing Wireless Power Transfer. , 2019, , .		0
152	Study on Propagation Characteristics of Flying Electromagnetic Toroid Pulses in Non-ideal Free Space. , 2019, , .		0
153	Research on the Reflection Characteristic of Flying Electromagnetic Toroid Pulses on an Inclined Air-metal Interface. , 2019, , .		0
154	Wideband polarisation-insensitive metasurface with tunable near-field scattering focusing characteristic. Electronics Letters, 2019, 55, 776-778.	1.0	3
155	Method for Shaping Field Intensity in Target Area. , 2019, , .		1
156	A Planar Wide-Angle Scanning Phased Array with Broadband RCS Reduction. , 2019, , .		0
157	A Novel Ultra-wideband Communication System Using an Analog Time-reversal Module. , 2019, , .		0
158	A SIW Leaky-Wave Beam Scanning Array. , 2019, , .		1
159	A Low-Profile Wideband Connected Slot Array for Wide-Angle Scanning. , 2019, , .		0
160	Research on the acquisition of time-reversed electromagnetic waves based on Fourier transform theory. Microwave and Optical Technology Letters, 2019, 61, 191-194.	1.5	2
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