

# Maokun Li

## List of Publications by Year in descending order

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papers

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109321

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docs citations

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times ranked

2263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic Modeling Using an FDTD-Equivalent Recurrent Convolution Neural Network: Accurate computing on a deep learning framework. IEEE Antennas and Propagation Magazine, 2023, 65, 93-102.	1.4	7
2	Physics Embedded Deep Neural Network for Solving Volume Integral Equation: 2-D Case. IEEE Transactions on Antennas and Propagation, 2022, 70, 6135-6147.	5.1	22
3	3-D Model-Based Inversion Using Supervised Descent Method for Aspect-Limited Microwave Data of Metallic Targets. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	4
4	Physics Embedded Deep Neural Network for Solving Full-Wave Inverse Scattering Problems. IEEE Transactions on Antennas and Propagation, 2022, 70, 6148-6159.	5.1	21
5	Application of Multitask Learning for 2-D Modeling of Magnetotelluric Surveys: TE Case. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9.	6.3	9
6	Ultra-Wide-Scanning Conformal Heterogeneous Phased Array Antenna Based on Deep Deterministic Policy Gradient Algorithm. IEEE Transactions on Antennas and Propagation, 2022, 70, 5066-5077.	5.1	10
7	Modeling of Multiscale Wave Interactions Based on an Iterative Scheme of MoM-PO-EPA Algorithm. Electronics (Switzerland), 2022, 11, 990.	3.1	1
8	A Microwave Thorax Imaging System Based on Symmetrical Dipole Antenna and One-Step Supervised Descent Method. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 5000-5007.	4.6	6
9	A New Approach for Solving Inverse Scattering Problems Based on Physics-informed Supervised Residual Learning. , 2022, , .		2
10	Low-Frequency Data Learning for Solving Highly Nonlinear Inverse Scattering Problems. , 2022, , .		0
11	Characteristic Model and Efficient FDTD-SPM Algorithm for Fishnet Metasurfaces Analysis. IEEE Transactions on Antennas and Propagation, 2022, , 1-1.	5.1	1
12	Artificial Intelligence: New Frontiers in Real-Time Inverse Scattering and Electromagnetic Imaging. IEEE Transactions on Antennas and Propagation, 2022, 70, 6349-6364.	5.1	33
13	Physics-Informed Deep Learning for Time-Domain Electromagnetic Radiation Problem. , 2022, , .		2
14	Application of Electrical Impedance Tomography for Monitoring Tissue Water Content of the Thigh. , 2022, , .		0
15	A Three-dimensional Phantom for Evaluating the Performance of Electrical Impedance Tomography System. , 2022, , .		0
16	A Study on the Effect of Thorax Dilation in Microwave Thorax Imaging. , 2022, , .		0
17	Image Human Thorax Using Ultrasound Traveltime Tomography with Supervised Descent Method. Applied Sciences (Switzerland), 2022, 12, 6763.	2.5	4
18	A 10 240-Element Reconfigurable Reflectarray With Fast Steerable Monopulse Patterns. IEEE Transactions on Antennas and Propagation, 2021, 69, 173-181.	5.1	61

#	ARTICLE	IF	CITATIONS
19	A Fast Modeling Algorithm for Quasi-Periodic Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 584-587.	5.1	5
20	Design, Analysis, and Experiment on High-Performance Orbital Angular Momentum Beam Based on 1-Bit Programmable Metasurface. IEEE Access, 2021, 9, 18585-18596.	4.2	18
21	Low-Frequency Data Prediction With Iterative Learning for Highly Nonlinear Inverse Scattering Problems. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4366-4376.	4.6	27
22	Design and Measurement of a Reconfigurable Transmitarray Antenna With Compact Varactor-Based Phase Shifters. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1998-2002.	4.0	34
23	A Low-Profile Transmissive Metasurface for Transformation of Plane Wave to Contour Beam Pattern Using 4-Arm Spiral Element. IEEE Access, 2021, 9, 39792-39797.	4.2	0
24	A Feasibility Study of 2-D Microwave Thorax Imaging Based on the Supervised Descent Method. Electronics (Switzerland), 2021, 10, 352.	3.1	12
25	Physics Embedded Iterative Neural Network for Solving Integral Equations. , 2021, , .		1
26	Solving Combined Field Integral Equation With Deep Neural Network for 2-D Conducting Object. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 538-542.	4.0	16
27	Supervised Descent Learning for Thoracic Electrical Impedance Tomography. IEEE Transactions on Biomedical Engineering, 2021, 68, 1360-1369.	4.2	29
28	Machine Learning in Electromagnetics With Applications to Biomedical Imaging: A Review. IEEE Antennas and Propagation Magazine, 2021, 63, 39-51.	1.4	42
29	Advanced Teaching in Electromagnetics at the ELEDIA Research Center. , 2021, , .		0
30	Design and Implementation of a Wideband 1-Bit Transmitarray Based on a Yagiâ€“Vivaldi Unit Cell. IEEE Transactions on Antennas and Propagation, 2021, 69, 4229-4234.	5.1	44
31	A Dual-Band Orthogonally Polarized Contour Beam Transmitarray Design. IEEE Transactions on Antennas and Propagation, 2021, 69, 4538-4545.	5.1	15
32	Joint Inversion of Audio-Magnetotelluric and Seismic Travel Time Data With Deep Learning Constraint. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7982-7995.	6.3	34
33	Hybrid Polarization-Phase Tuning Methodology for Reflectarray Antennas. IEEE Transactions on Antennas and Propagation, 2021, 69, 5534-5545.	5.1	11
34	Study on Low-Frequency Data Learning for Inverse Scattering Problems with High Nonlinearity. , 2021, , .		0
35	A Preliminary Experiment for Microwave Thorax Imaging Based on One-Step Gauss Newton Method. , 2021, , .		1
36	Joint Inversion of Audio-Magnetotelluric and Seismic Travel Time Data Using Attribute Fusion Based on Deep Learning. , 2021, , .		2

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37	A Preliminary Experiment Based on One-step Measurement-trained Supervised Descent Method for Microwave Thorax Imaging. , 2021, , .		1
38	Study on the Degrees of Freedom of Scattered Fields in Nonlinear Inverse Scattering Problems. , 2021, , .		1
39	Enhanced Born Approximation for Wave Equations. , 2021, , .		2
40	Fast Full-wave Microwave Imaging With Physics Embedded Deep Neural Network. , 2021, , .		0
41	Analysis of Nonlinear Metallic Metasurface Elements Using Maxwell-Hydrodynamic Model With Time-Domain Perturbation Method. IEEE Transactions on Antennas and Propagation, 2020, 68, 2213-2223.	5.1	5
42	Fast Nonuniform Metasurface Analysis in FDTD Using Surface Susceptibility Model. IEEE Transactions on Antennas and Propagation, 2020, 68, 7121-7130.	5.1	8
43	Review of W-band Reconfigurable Reflectarray and Transmitarray Antennas at Tsinghua University. , 2020, , .		1
44	Design and Experiment of a Dual-Band 1 Bit Reconfigurable Reflectarray Antenna With Independent Large-Angle Beam Scanning Capability. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1896-1900.	4.0	37
45	Design of Microwave Imaging System Based on Reconfigurable Transmitarray with Variable Focuses. , 2020, , .		0
46	Application of Stochastic Gradient Descent Technique for Method of Moments. , 2020, , .		4
47	A REVIEW OF DEEP LEARNING APPROACHES FOR INVERSE SCATTERING PROBLEMS (INVITED REVIEW). Progress in Electromagnetics Research, 2020, 167, 67-81.	4.4	163
48	Real-Time Mode Switching and Beam Scanning of High-Gain OAM Waves Using a 1-Bit Reconfigurable Reflectarray Antenna. Electronics (Switzerland), 2020, 9, 2181.	3.1	13
49	A Low-Profile Compact Dual-Band L-Shape Monopole Antenna for Microwave Thorax Monitoring. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 448-452.	4.0	20
50	Neural network-based supervised descent method for 2D electrical impedance tomography. Physiological Measurement, 2020, 41, 074003.	2.1	21
51	A Low-Profile Quad-Beam Transmitarray. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1340-1344.	4.0	21
52	Pixel- and Model-Based Microwave Inversion With Supervised Descent Method for Dielectric Targets. IEEE Transactions on Antennas and Propagation, 2020, 68, 8114-8126.	5.1	30
53	Study on a Fast Solver for Poisson's Equation Based on Deep Learning Technique. IEEE Transactions on Antennas and Propagation, 2020, 68, 6725-6733.	5.1	42
54	A Supervised Descent Learning Technique for Solving Directional Electromagnetic Logging-While-Drilling Inverse Problems. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8013-8025.	6.3	41

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55	Application of supervised descent method for 2D magnetotelluric data inversion. Geophysics, 2020, 85, WA53-WA65.	2.6	29
56	Three-Dimensional Joint Inversion of EM and Acoustic Data Based on Contrast Source Inversion. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2020, 5, 28-36.	2.2	18
57	Teaching Electromagnetics to Next-Generation Engineers—The ELEDIA Recipe: The ELEDIA teaching style. IEEE Antennas and Propagation Magazine, 2020, 62, 50-61.	1.4	4
58	Coding Programmable Metasurfaces Based on Deep Learning Techniques. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2020, 10, 114-125.	3.6	67
59	A Novel 1 Bit Wide-Angle Beam Scanning Reconfigurable Transmitarray Antenna Using an Equivalent Magnetic Dipole Element. IEEE Transactions on Antennas and Propagation, 2020, 68, 5691-5695.	5.1	71
60	Single-Layer Reflectarray Antenna With Independent Dual-CP Beam Control. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 532-536.	4.0	20
61	Dual-Layer Transmitarray Antenna With High Transmission Efficiency. IEEE Transactions on Antennas and Propagation, 2020, 68, 6003-6012.	5.1	54
62	Study on 3-D Acoustic Imaging for Human Thorax Based on Contrast Source Inversion. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1533-1543.	3.0	3
63	Joint 2D inversion of AMT and seismic travelttime data with deep learning constraint. , 2020, , .		1
64	A Regularization Scheme Based on Gaussian Mixture Model for EM Data Inversion. , 2020, , .		1
65	Investigation of Adam for Low-Frequency Electromagnetic problems. , 2020, , .		3
66	Three-Dimensional Modeling for Ocean Electromagnetic Environment. , 2020, , .		0
67	Multiple OAM Beams Design Using the Pattern Product Method. , 2020, , .		0
68	A supervised descent learning technique for inversion of directional electromagnetic logging-while-drilling data. , 2020, , .		0
69	Design and Analysis of Vortex Electromagnetic Wave Based on 1-Bit Coding Metasurface. , 2020, , .		2
70	A Compact Low-profile Wideband Loop Antenna for Microwave Thorax Monitoring. , 2020, , .		1
71	3D Model-based Inversion with Limited Microwave Data Using Supervised Descent Method. , 2020, , .		0
72	A Compact Dual-Band Folded-Cavity Antenna for Microwave Biomedical Imaging Applications. , 2019, , .		7

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73	A 1-Bit Bidirectional Reconfigurable Transmit-Reflect-Array Using a Single-Layer Slot Element With PIN Diodes. IEEE Transactions on Antennas and Propagation, 2019, 67, 6205-6210.	5.1	58
74	Study on a Joint Inversion Algorithm for Acoustic and Electromagnetic Data Based on Contrast Source Inversion Method and Cross-gradient Constraint. , 2019, , .		0
75	Combined Field Integral Equation with Reduced Basis Method. , 2019, , .		0
76	First arrival traveltime tomography using supervised descent learning technique. Inverse Problems, 2019, 35, 105008.	2.0	11
77	Design Method for Modulated Metasurface Antennas Composed of Anisotropic Elements Based on Generalized Boundary Conditions. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1848-1852.	4.0	6
78	Application of Supervised Descent Method to Parametric Level-set Approach. , 2019, , .		1
79	Design and Optimization of a Mechanically Reconfigurable Reflectarray Antenna with Pixel Patch Elements Using Genetic Algorithm. , 2019, , .		4
80	Characterization of Two-Dimensional Surfaces Based on Generalized Boundary Conditions and Surface Susceptibilities. , 2019, , .		0
81	Generalized Boundary Conditions in Surface Electromagnetics: Fundamental Theorems and Surface Characterizations. Applied Sciences (Switzerland), 2019, 9, 1891.	2.5	42
82	DNNs as Applied to Electromagnetics, Antennas, and Propagationâ€”A Review. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2225-2229.	4.0	154
83	A High-Gain Dual-Band and Dual-Polarized Transmitarray Using Novel Loop Elements. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1213-1217.	4.0	34
84	Application of supervised descent method to transient electromagnetic data inversion. Geophysics, 2019, 84, E225-E237.	2.6	28
85	Supervised Descent Learning Technique for 2-D Microwave Imaging. IEEE Transactions on Antennas and Propagation, 2019, 67, 3550-3554.	5.1	95
86	Design and Measurement of a 1-bit Reconfigurable Transmitarray With Subwavelength H-Shaped Coupling Slot Elements. IEEE Transactions on Antennas and Propagation, 2019, 67, 3500-3504.	5.1	90
87	A Novel 1-Bit Dual-Linear Polarized Reconfigurable Transmitarray Element Using Double-Layer Dipoles. , 2019, , .		1
88	A 1-bit Reconfigurable Reflectarray Element with Independent Dual-band Phase Controlling Capability. , 2019, , .		2
89	Innovative Machine Learning Techniques for Biomedical Imaging. , 2019, , .		4
90	Supervised Descent Method for Electrical Impedance Tomography. , 2019, , .		6

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91	Study on a Recurrent Convolutional Neural Network Based FDTD Method. , 2019, , .		13
92	Supervised Descent Method for Full-wave Microwave Imaging. , 2019, , .		2
93	Supervised Descent Method for 2D Magnetotelluric Inversion using Adam Optimization. , 2019, , .		3
94	Three-dimensional Joint Inversion of Acoustic and Electromagnetic Data Based on Contrast Source Inversion. , 2019, , .		0
95	Innovative Methodologies for Chest Medical Imaging. , 2019, , .		0
96	Three-Dimensional Electrical Impedance Tomography With Multiplicative Regularization. IEEE Transactions on Biomedical Engineering, 2019, 66, 2470-2480.	4.2	34
97	Study on Joint Inversion Algorithm of Acoustic and Electromagnetic Data in Biomedical Imaging. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2019, 4, 2-11.	2.2	37
98	A Mechanically Reconfigurable Reflectarray With Slotted Patches of Tunable Height. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 555-558.	4.0	46
99	An Efficient Dual-Band Orthogonally Polarized Transmitarray Design Using Three-Dipole Elements. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 319-322.	4.0	49
100	A high gain broadband transmitarray antenna using dualâ€resonant Eâ€shaped element. Microwave and Optical Technology Letters, 2018, 60, 1531-1536.	1.4	5
101	Design and Experiment of a Near-Zero-Thickness High-Gain Transmit-Reflect-Array Antenna Using Anisotropic Metasurface. IEEE Transactions on Antennas and Propagation, 2018, 66, 2853-2861.	5.1	100
102	An X-band Reconfigurable Reflectarray Antenna with Steerable Monopulse Patterns. , 2018, , .		0
103	Three-Dimensional Electromagnetic Modeling for Underwater Targets and Environment. , 2018, , .		0
104	FDTD Solver with Time-Domain Perturbation Method for Simulating An All-Optical Switch Realized by Nonlinear Metasurface. , 2018, , .		1
105	The Application of Barycentric Subdivision Method for Numerical Integration in Method of Moments. , 2018, , .		0
106	Study on the Effect of Ribs on Electrical Impedance Tomography for Thorax Imaging. , 2018, , .		0
107	Characterization of Multiple-Layer Anisotropic Metasurfaces Based on Generalized Boundary Conditions. , 2018, , .		2
108	A New Electrode Configuration Scheme in Electrical Impedance Tomography for Thorax Imaging. , 2018, , .		0

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109	Quasi-Periodic Array Modeling Using Reduced Basis with H2-Matrix Algorithm. , 2018, , .		0
110	Extraction of Periodicity for Quasi-Periodic Electromagnetic Surfaces Using Equivalence Principle Algorithm. , 2018, , .		0
111	Feasibility Study of Acoustic Imaging for Human Thorax Using Contrast Source Inversion. , 2018, , .		0
112	Feasibility study of acoustic imaging for human thorax using an acoustic contrast source inversion algorithm. Journal of the Acoustical Society of America, 2018, 144, 2782-2792.	1.1	8
113	A Multi-bit Reconfigurable Transmitarray Design Approach Using Cascaded Spatial Phase Shifters. , 2018, , .		1
114	Design of a 1-bit Reconfigurable Transmitarray Element Using an Equivalent Magnetic Dipole. , 2018, , .		3
115	Study on a 3D Possion's Equation Slover Based on Deep Learning Technique. , 2018, , .		4
116	Analysis of Reflectarray Antenna Elements Under Arbitrary Incident Angles and Polarizations Using Generalized Boundary Conditions. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2208-2212.	4.0	13
117	Synthesis of Refiectarray Based on Deep Learning Technique. , 2018, , .		8
118	An FSS-Backed Ku/Ka Quad-Band Reflectarray Antenna for Satellite Communications. IEEE Transactions on Antennas and Propagation, 2018, 66, 4353-4358.	5.1	69
119	Reconfigurable sensing antenna for mechanical rotation monitoring. , 2018, , .		1
120	Study of a low-profile transmitarray element using 3 non-identical layers. , 2018, , .		2
121	Design of Artificial Matching Layers With Arbitrary Permittivity Using a Metasurface. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1445-1448.	4.0	6
122	Metasurface-Based Ultrathin Beam Splitter with Variable Split Angle and Power Distribution. ACS Photonics, 2018, 5, 2997-3002.	6.6	64
123	Dual-band dual-polarized transmitarray for satellite communications. , 2018, , .		4
124	Joint Inversion of Acoustic and Electromagnetic Data for Imaging Human Thorax. , 2018, , .		0
125	A Study of Phase Quantization Effects for Reconfigurable Reflectarray Antennas. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 302-305.	4.0	117
126	A 1600-Element Dual-Frequency Electronically Reconfigurable Reflectarray at X/Ku-Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 3024-3032.	5.1	177



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127	Design of a Low-Cost Single-Layer X/Ku Dual-Band Metal-Only Reflectarray Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2106-2109.	4.0	23
128	Quasi-periodic array modeling using reduced basis from elemental array. , 2017, , .		0
129	A Broadband High-Efficiency Reconfigurable Reflectarray Antenna Using Mechanically Rotational Elements. IEEE Transactions on Antennas and Propagation, 2017, 65, 3959-3966.	5.1	112
130	Reflectarray element analysis based on generalized sheet transition conditions. , 2017, , .		5
131	Efficient Reciprocity-Based Hybrid Approach for Analyzing Radiated Susceptibility Responses of Multilayer PCBs. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 952-961.	2.2	11
132	Single-Layer Dual-Band Reflectarray Antennas With Wide Frequency Ratios and High Aperture Efficiencies Using Phoenix Elements. IEEE Transactions on Antennas and Propagation, 2017, 65, 612-622.	5.1	55
133	An FSS-Backed 20/30-GHz Dual-Band Circularly Polarized Reflectarray With Suppressed Mutual Coupling and Enhanced Performance. IEEE Transactions on Antennas and Propagation, 2017, 65, 926-931.	5.1	62
134	Design of a Ku-band 1-bit reconfigurable transmitarray with 16 $\times$ 16 slot coupled elements. , 2017, , .		2
135	Design of A RFID patch antenna integrated with mercury switches for wireless tilt sensing. , 2017, , .		1
136	A reflectarray element design with both amplitude and phase control. , 2017, , .		0
137	Design of Resistor-Loaded Reflectarray Elements for Both Amplitude and Phase Control. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1159-1162.	4.0	59
138	Acceleration of 2-D Multiplicative Regularized Contrast Source Inversion Algorithm Using Paralleled Computing Architecture. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 441-444.	4.0	8
139	Quasi-Periodic Array Modeling Using Reduced Basis Method. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 825-828.	4.0	19
140	A Single-Layer High-Efficiency Wideband Reflectarray Using Hybrid Design Approach. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 884-887.	4.0	50
141	A 1-Bit Multipolarization Reflectarray Element for Reconfigurable Large-Aperture Antennas. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 581-584.	4.0	54
142	A Distributed Power-Amplifying Reflectarray Antenna for EIRP Boost Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2742-2745.	4.0	6
143	A novel 2-bit reconfigurable reflectarray element for both linear and circular polarizations. , 2017, , .		19
144	Study on a Poisson's equation solver based on deep learning technique. , 2017, , .		31

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145	Quasi-Periodic Array Modeling Using Reduced Basis From Elemental Array. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2017, 2, 202-208.	2.2	8
146	Design of a single-layer dual-band metal-only reflectarray. , 2017, , .		3
147	Application of multiplicative regularization for electrical impedance tomography. , 2017, , .		3
148	Electrical impedance tomography with multiplicative regularization. , 2017, , .		1
149	A wideband reflectarray design using novel phasing rings. , 2017, , .		2
150	Electromagnetic Inverse Problems [Guest Editorial]. IEEE Antennas and Propagation Magazine, 2017, 59, 9-115.	1.4	9
151	Modeling and analysis of quasi-periodic arrays. , 2017, , .		0
152	A feasibility study of microwave respiration monitoring. , 2017, , .		10
153	Application of the multiplicative regularization scheme to electrical impedance tomography. , 2017, , .		0
154	Design of a dual-band orthogonally polarized transmitarray using 3-dipole elements. , 2017, , .		3
155	A Passive Temperature-Sensing Antenna Based on a Bimetal Strip Coil. Sensors, 2017, 17, 665.	3.8	8
156	A fast algorithm for quasi-periodic array modeling using reduced basis method. , 2017, , .		0
157	Mode analysis of 1-Bit reflectarray element using p-i-n diode at W-band. , 2017, , .		5
158	Characterization of metascreens based on babinet's principle and generalized sheet transition conditions for metafilms. , 2017, , .		3
159	Phase error analysis for reflectarray antennas based on study of quasi-periodic effect. , 2017, , .		4
160	Electromagnetic Inverse Problems for Sensing and Imaging. IEEE Antennas and Propagation Magazine, 2016, 58, 17-17.	1.4	0
161	Radiation performances of conformal dielectric reflectarray antennas at sub-millimeter waves. , 2016, , .		4
162	Acceleration of multiplicative regularized contrast source inversion algorithm using paralleled computing architecture. , 2016, , .		0

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163	A study of the specular reflection effect in sub-reflector array designs. , 2016, , .		0
164	2D quasi-periodic array modeling using reduced basis method. , 2016, , .		2
165	Numerical study on the field projection error in the equivalence principle algorithm. , 2016, , .		0
166	Application of the reduced basis method to ID quasi-periodic array modeling. , 2016, , .		0
167	A 1-Bit 10 GHz Reconfigurable Reflector Array Antenna: Design, Optimization, and Experiment. IEEE Transactions on Antennas and Propagation, 2016, 64, 2246-2254.	5.1	257
168	A microwave imaging chamber using bowtie antennas for biomedical applications. , 2016, , .		0
169	Design of a multi-polarization double-layer transmitarray element using cross dipoles with vias. , 2016, , .		3
170	Design of a reconfigurable reflectarray element with an internal slotted patch of tunable height. , 2016, , .		2
171	A programmable metasurface with dynamic polarization, scattering and focusing control. Scientific Reports, 2016, 6, 35692.	3.3	382
172	A 1-bit double-layer square slot element for reconfigurable transmitarray design. , 2016, , .		1
173	Design of an amplifying reflectarray antenna with improved isolation performance. , 2016, , .		3
174	Design of a Ku-band triple-layer perforated dielectric transmitarray antenna. , 2016, , .		7
175	Dual-frequency reconfigurable patch antenna with thermal switches for temperature monitoring. , 2016, , .		3
176	A 100-GHz Metal-Only Reflector Array for High-Gain Antenna Applications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 178-181.	4.0	46
177	Application of the Variable Projection Scheme for Calibration in Electromagnetic Data Inversion. IEEE Transactions on Antennas and Propagation, 2016, 64, 332-335.	5.1	3
178	A Low-Cost Metal-Only Reflector Array Using Modified Slot-Type Phoenix Element With 360° Phase Coverage. IEEE Transactions on Antennas and Propagation, 2016, 64, 1556-1560.	5.1	71
179	A Double-Layer Transmitarray Antenna Using Malta Crosses With Vias. IEEE Transactions on Antennas and Propagation, 2016, 64, 1120-1125.	5.1	129
180	Application of the model-based inversion algorithm to microwave data. , 2015, , .		0

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181	Acceleration of multiplicative regularized contrast source inversion algorithm using paralleled computing device. , 2015, , .		1
182	Design of a single-layer dual-band reflectarray using Phoenix elements. , 2015, , .		1
183	Design of a circularly polarized reconfigurable reflectarray using micromotors. , 2015, , .		6
184	Study on projection error of equivalence principle algorithm. , 2015, , .		0
185	Design of an imaging chamber for biomedical applications using bowtie antennas. , 2015, , .		2
186	Design of a dual-frequency broadband reflectarray using triple-resonance elements. , 2015, , .		5
187	Experimental study of a 1-bit 10&#x00D7;10 reconfigurable reflectarray antenna. , 2015, , .		1
188	Design of a beam-scanning reflectarray antenna with an offset mechanically rotational horn. , 2015, , .		1
189	Design of a 2-bit reconfigurable reflectarray element using two MEMS switches. , 2015, , .		12
190	A contrast source inversion method in the wavelet domain. Inverse Problems, 2013, 29, 025015.	2.0	72
191	A Three-Dimensional Model-Based Inversion Algorithm Using Radial Basis Functions for Microwave Data. IEEE Transactions on Antennas and Propagation, 2012, 60, 3361-3372.	5.1	31
192	Inversion of controlled-source electromagnetic data using a model-based approach. Geophysical Prospecting, 2010, 58, 455-467.	1.9	26
193	Application of a two-and-a-half dimensional model-based algorithm to crosswell electromagnetic data inversion. Inverse Problems, 2010, 26, 074013.	2.0	19