

# Maokun Li

## List of Publications by Year in descending order

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193  
papers

4,136  
citations

109321  
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128289  
60  
g-index

193  
all docs

193  
docs citations

193  
times ranked

2263  
citing authors

#	ARTICLE	IF	CITATIONS
1	A programmable metasurface with dynamic polarization, scattering and focusing control. Scientific Reports, 2016, 6, 35692.	3.3	382
2	A 1-Bit \$10 imes 10\$ Reconfigurable Reflectarray Antenna: Design, Optimization, and Experiment. IEEE Transactions on Antennas and Propagation, 2016, 64, 2246-2254.	5.1	257
3	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
4	A REVIEW OF DEEP LEARNING APPROACHES FOR INVERSE SCATTERING PROBLEMS (INVITED REVIEW). Progress in Electromagnetics Research, 2020, 167, 67-81.	4.4	163
5	DNNs as Applied to Electromagnetics, Antennas, and Propagationâ€”A Review. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2225-2229.	4.0	154
6	A Double-Layer Transmitarray Antenna Using Malta Crosses With Vias. IEEE Transactions on Antennas and Propagation, 2016, 64, 1120-1125.	5.1	129
7	A Study of Phase Quantization Effects for Reconfigurable Reflectarray Antennas. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 302-305.	4.0	117
8	A Broadband High-Efficiency Reconfigurable Reflectarray Antenna Using Mechanically Rotational Elements. IEEE Transactions on Antennas and Propagation, 2017, 65, 3959-3966.	5.1	112
9	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
10	Supervised Descent Learning Technique for 2-D Microwave Imaging. IEEE Transactions on Antennas and Propagation, 2019, 67, 3550-3554.	5.1	95
11	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
12	A contrast source inversion method in the wavelet domain. Inverse Problems, 2013, 29, 025015.	2.0	72
13	A Low-Cost Metal-Only Reflectarray Using Modified Slot-Type Phoenix Element With 360Â° Phase Coverage. IEEE Transactions on Antennas and Propagation, 2016, 64, 1556-1560.	5.1	71
14	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
15	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
16	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
17	Metasurface-Based Ultrathin Beam Splitter with Variable Split Angle and Power Distribution. ACS Photonics, 2018, 5, 2997-3002.	6.6	64
18	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

#	ARTICLE	IF	CITATIONS
19	A 10 240-Element Reconfigurable Reflectarray With Fast Steerable Monopulse Patterns. IEEE Transactions on Antennas and Propagation, 2021, 69, 173-181.	5.1	61
20	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
21	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
22	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
23	A 1-Bit Multipolarization Reflectarray Element for Reconfigurable Large-Aperture Antennas. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 581-584.	4.0	54
24	Dual-Layer Transmitarray Antenna With High Transmission Efficiency. IEEE Transactions on Antennas and Propagation, 2020, 68, 6003-6012.	5.1	54
25	A Single-Layer High-Efficiency Wideband Reflectarray Using Hybrid Design Approach. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 884-887.	4.0	50
26	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
27	A 100-GHz Metal-Only Reflectarray for High-Gain Antenna Applications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 178-181.	4.0	46
28	A Mechanically Reconfigurable Reflectarray With Slotted Patches of Tunable Height. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 555-558.	4.0	46
29	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
30	Generalized Boundary Conditions in Surface Electromagnetics: Fundamental Theorems and Surface Characterizations. Applied Sciences (Switzerland), 2019, 9, 1891.	2.5	42
31	Study on a Fast Solver for Poissonâ€™s Equation Based on Deep Learning Technique. IEEE Transactions on Antennas and Propagation, 2020, 68, 6725-6733.	5.1	42
32	Machine Learning in Electromagnetics With Applications to Biomedical Imaging: A Review. IEEE Antennas and Propagation Magazine, 2021, 63, 39-51.	1.4	42
33	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
34	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
35	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
36	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

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37	Three-Dimensional Electrical Impedance Tomography With Multiplicative Regularization. IEEE Transactions on Biomedical Engineering, 2019, 66, 2470-2480.	4.2	34
38	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
39	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
40	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
41	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
42	Study on a Poisson's equation solver based on deep learning technique. , 2017, , .		31
43	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
44	Application of supervised descent method for 2D magnetotelluric data inversion. Geophysics, 2020, 85, WA53-WA65.	2.6	29
45	Supervised Descent Learning for Thoracic Electrical Impedance Tomography. IEEE Transactions on Biomedical Engineering, 2021, 68, 1360-1369.	4.2	29
46	Application of supervised descent method to transient electromagnetic data inversion. Geophysics, 2019, 84, E225-E237.	2.6	28
47	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
48	Inversion of controlled-source electromagnetic data using a model-based approach. Geophysical Prospecting, 2010, 58, 455-467.	1.9	26
49	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
50	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
51	Neural network-based supervised descent method for 2D electrical impedance tomography. Physiological Measurement, 2020, 41, 074003.	2.1	21
52	A Low-Profile Quad-Beam Transmitarray. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1340-1344.	4.0	21
53	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
54	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

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55	Single-Layer Reflectarray Antenna With Independent Dual-CP Beam Control. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 532-536.	4.0	20
56	Application of a two-and-a-half dimensional model-based algorithm to crosswell electromagnetic data inversion. Inverse Problems, 2010, 26, 074013.	2.0	19
57	Quasi-Periodic Array Modeling Using Reduced Basis Method. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 825-828.	4.0	19
58	A novel 2-bit reconfigurable reflectarray element for both linear and circular polarizations. , 2017, , .		19
59	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
60	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
61	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
62	A Dual-Band Orthogonally Polarized Contour Beam Transmitarray Design. IEEE Transactions on Antennas and Propagation, 2021, 69, 4538-4545.	5.1	15
63	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
64	Study on a Recurrent Convolutional Neural Network Based FDTD Method. , 2019, , .		13
65	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
66	Design of a 2-bit reconfigurable reflectarray element using two MEMS switches. , 2015, , .		12
67	A Feasibility Study of 2-D Microwave Thorax Imaging Based on the Supervised Descent Method. Electronics (Switzerland), 2021, 10, 352.	3.1	12
68	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
69	First arrival traveltime tomography using supervised descent learning technique. Inverse Problems, 2019, 35, 105008.	2.0	11
70	Hybrid Polarization-Phase Tuning Methodology for Reflectarray Antennas. IEEE Transactions on Antennas and Propagation, 2021, 69, 5534-5545.	5.1	11
71	A feasibility study of microwave respiration monitoring. , 2017, , .		10
72	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

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73	Electromagnetic Inverse Problems [Guest Editorial]. IEEE Antennas and Propagation Magazine, 2017, 59, 9-115.	1.4	9
74	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
75	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
76	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
77	A Passive Temperature-Sensing Antenna Based on a Bimetal Strip Coil. Sensors, 2017, 17, 665.	3.8	8
78	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
79	Synthesis of Reflectarray Based on Deep Learning Technique. , 2018, , .		8
80	Fast Nonuniform Metasurface Analysis in FDTD Using Surface Susceptibility Model. IEEE Transactions on Antennas and Propagation, 2020, 68, 7121-7130.	5.1	8
81	Design of a Ku-band triple-layer perforated dielectric transmitarray antenna. , 2016, , .		7
82	A Compact Dual-Band Folded-Cavity Antenna for Microwave Biomedical Imaging Applications. , 2019, , .		7
83	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
84	Design of a circularly polarized reconfigurable reflectarray using micromotors. , 2015, , .		6
85	A Distributed Power-Amplifying Reflectarray Antenna for EIRP Boost Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2742-2745.	4.0	6
86	Design of Artificial Matching Layers With Arbitrary Permittivity Using a Metasurface. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1445-1448.	4.0	6
87	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
88	Supervised Descent Method for Electrical Impedance Tomography. , 2019, , .		6
89	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
90	Design of a dual-frequency broadband reflectarray using triple-resonance elements. , 2015, , .		5

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91	Reflectarray element analysis based on generalized sheet transition conditions. , 2017, , .		5
92	Mode analysis of 1-Bit reflectarray element using p-i-n diode at W-band. , 2017, , .		5
93	A high gain broadband transmitarray antenna using dualâ€resonant Eâ€shaped element. Microwave and Optical Technology Letters, 2018, 60, 1531-1536.	1.4	5
94	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
95	A Fast Modeling Algorithm for Quasi-Periodic Array. IEEE Transactions on Antennas and Propagation, 2021, 69, 584-587.	5.1	5
96	Radiation performances of conformal dielectric reflectarray antennas at sub-millimeter waves. , 2016, , .		4
97	Study on a 3D Possion's Equation Slover Based on Deep Learning Technique. , 2018, , .		4
98	Dual-band dual-polarized transmitarray for satellite communications. , 2018, , .		4
99	Design and Optimization of a Mechanically Reconfigurable Reflectarray Antenna with Pixel Patch Elements Using Genetic Algorithm. , 2019, , .		4
100	Innovative Machine Learning Techniques for Biomedical Imaging. , 2019, , .		4
101	Application of Stochastic Gradient Descent Technique for Method of Moments. , 2020, , .		4
102	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
103	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
104	Phase error analysis for reflectarray antennas based on study of quasi-periodic effect. , 2017, , .		4
105	Image Human Thorax Using Ultrasound Traveltime Tomography with Supervised Descent Method. Applied Sciences (Switzerland), 2022, 12, 6763.	2.5	4
106	Design of a multi-polarization double-layer transmitarray element using cross dipoles with vias. , 2016, , .		3
107	Design of an amplifying reflectarray antenna with improved isolation performance. , 2016, , .		3
108	Dual-frequency reconfigurable patch antenna with thermal switches for temperature monitoring. , 2016, , .		3

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109	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
110	Design of a single-layer dual-band metal-only reflectarray. , 2017, , .		3
111	Application of multiplicative regularization for electrical impedance tomography. , 2017, , .		3
112	Design of a dual-band orthogonally polarized transmitarray using 3-dipole elements. , 2017, , .		3
113	Characterization of metascreens based on babinet's principle and generalized sheet transition conditions for metafilms. , 2017, , .		3
114	Design of a 1-bit Reconfigurable Transmitarray Element Using an Equivalent Magnetic Dipole. , 2018, , .		3
115	Supervised Descent Method for 2D Magnetotelluric Inversion using Adam Optimization. , 2019, , .		3
116	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
117	Investigation of Adam for Low-Frequency Electromagnetic problems. , 2020, , .		3
118	Design of an imaging chamber for biomedical applications using bowtie antennas. , 2015, , .		2
119	2D quasi-periodic array modeling using reduced basis method. , 2016, , .		2
120	Design of a reconfigurable reflectarray element with an internal slotted patch of tunable height. , 2016, , .		2
121	Design of a Ku-band 1-bit reconfigurable transmitarray with 16 $\times$ 16 slot coupled elements. , 2017, , .		2
122	A wideband reflectarray design using novel phasing rings. , 2017, , .		2
123	Characterization of Multiple-Layer Anisotropic Metasurfaces Based on Generalized Boundary Conditions. , 2018, , .		2
124	Study of a low-profile transmitarray element using 3 non-identical layers. , 2018, , .		2
125	A 1-bit Reconfigurable Reflectarray Element with Independent Dual-band Phase Controlling Capability. , 2019, , .		2
126	Supervised Descent Method for Full-wave Microwave Imaging. , 2019, , .		2



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127	Joint Inversion of Audio-Magnetotelluric and Seismic Travel Time Data Using Attribute Fusion Based on Deep Learning. , 2021, , .		2
128	Design and Analysis of Vortex Electromagnetic Wave Based on 1-Bit Coding Metasurface. , 2020, , .		2
129	Enhanced Born Approximation for Wave Equations. , 2021, , .		2
130	A New Approach for Solving Inverse Scattering Problems Based on Physics-informed Supervised Residual Learning. , 2022, , .		2
131	Physics-Informed Deep Learning for Time-Domain Electromagnetic Radiation Problem. , 2022, , .		2
132	Acceleration of multiplicative regularized contrast source inversion algorithm using paralleled computing device. , 2015, , .		1
133	Design of a single-layer dual-band reflectarray using Phoenix elements. , 2015, , .		1
134	Experimental study of a 1-bit 10&#x00D7;10 reconfigurable reflectarray antenna. , 2015, , .		1
135	Design of a beam-scanning reflectarray antenna with an offset mechanically rotational horn. , 2015, , .		1
136	A 1-bit double-layer square slot element for reconfigurable transmitarray design. , 2016, , .		1
137	Design of A RFID patch antenna integrated with mercury switches for wireless tilt sensing. , 2017, , .		1
138	Electrical impedance tomography with multiplicative regularization. , 2017, , .		1
139	FDTD Solver with Time-Domain Perturbation Method for Simulating An All-Optical Switch Realized by Nonlinear Metasurface. , 2018, , .		1
140	A Multi-bit Reconfigurable Transmitarray Design Approach Using Cascaded Spatial Phase Shifters. , 2018, , .		1
141	Reconfigurable sensing antenna for mechanical rotation monitoring. , 2018, , .		1
142	Application of Supervised Descent Method to Parametric Level-set Approach. , 2019, , .		1
143	A Novel 1-Bit Dual-Linear Polarized Reconfigurable Transmitarray Element Using Double-Layer Dipoles. , 2019, , .		1
144	Review of W-band Reconfigurable Reflectarray and Transmitarray Antennas at Tsinghua University. , 2020, , .		1

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145	Physics Embedded Iterative Neural Network for Solving Integral Equations. , 2021, , .		1
146	Joint 2D inversion of AMT and seismic traveltime data with deep learning constraint. , 2020, , .		1
147	A Regularization Scheme Based on Gaussian Mixture Model for EM Data Inversion. , 2020, , .		1
148	A Preliminary Experiment for Microwave Thorax Imaging Based on One-Step Gauss Newton Method. , 2021, , .		1
149	A Compact Low-profile Wideband Loop Antenna for Microwave Thorax Monitoring. , 2020, , .		1
150	A Preliminary Experiment Based on One-step Measurement-trained Supervised Descent Method for Microwave Thorax Imaging. , 2021, , .		1
151	Modeling of Multiscale Wave Interactions Based on an Iterative Scheme of MoM-PO-EPA Algorithm. Electronics (Switzerland), 2022, 11, 990.	3.1	1
152	Study on the Degrees of Freedom of Scattered Fields in Nonlinear Inverse Scattering Problems. , 2021, , .		1
153	Characteristic Model and Efficient FDTD-SPM Algorithm for Fishnet Metasurfaces Analysis. IEEE Transactions on Antennas and Propagation, 2022, , 1-1.	5.1	1
154	Application of the model-based inversion algorithm to microwave data. , 2015, , .		0
155	Study on projection error of equivalence principle algorithm. , 2015, , .		0
156	Electromagnetic Inverse Problems for Sensing and Imaging. IEEE Antennas and Propagation Magazine, 2016, 58, 17-17.	1.4	0
157	Acceleration of multiplicative regularized contrast source inversion algorithm using paralleled computing architecture. , 2016, , .		0
158	A study of the specular reflection effect in sub-reflectarray designs. , 2016, , .		0
159	Numerical study on the field projection error in the equivalence principle algorithm. , 2016, , .		0
160	Application of the reduced basis method to ID quasi-periodic array modeling. , 2016, , .		0
161	A microwave imaging chamber using bowtie antennas for biomedical applications. , 2016, , .		0
162	Quasi-periodic array modeling using reduced basis from elemental array. , 2017, , .		0

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163	A reflectarray element design with both amplitude and phase control. , 2017, , .		0
164	Modeling and analysis of quasi-periodic arrays. , 2017, , .		0
165	Application of the multiplicative regularization scheme to electrical impedance tomography. , 2017, , .		0
166	A fast algorithm for quasi-periodic array modeling using reduced basis method. , 2017, , .		0
167	An X-band Reconfigurable Reflectarray Antenna with Steerable Monopulse Patterns. , 2018, , .		0
168	Three-Dimensional Electromagnetic Modeling for Underwater Targets and Environment. , 2018, , .		0
169	The Application of Barycentric Subdivision Method for Numerical Integration in Method of Moments. , 2018, , .		0
170	Study on the Effect of Ribs on Electrical Impedance Tomography for Thorax Imaging. , 2018, , .		0
171	A New Electrode Configuration Scheme in Electrical Impedance Tomography for Thorax Imaging. , 2018, , .		0
172	Quasi-Periodic Array Modeling Using Reduced Basis with H2-Matrix Algorithm. , 2018, , .		0
173	Extraction of Periodicity for Quasi-Periodic Electromagnetic Surfaces Using Equivalence Principle Algorithm. , 2018, , .		0
174	Feasibility Study of Acoustic Imaging for Human Thorax Using Contrast Source Inversion. , 2018, , .		0
175	Study on a Joint Inversion Algorithm for Acoustic and Electromagnetic Data Based on Contrast Source Inversion Method and Cross-gradient Constraint. , 2019, , .		0
176	Combined Field Integral Equation with Reduced Basis Method. , 2019, , .		0
177	Characterization of Two-Dimensional Surfaces Based on Generalized Boundary Conditions and Surface Susceptibilities. , 2019, , .		0
178	Three-dimensional Joint Inversion of Acoustic and Electromagnetic Data Based on Contrast Source Inversion. , 2019, , .		0
179	Innovative Methodologies for Chest Medical Imaging. , 2019, , .		0
180	Design of Microwave Imaging System Based on Reconfigurable Transmitarray with Variable Focuses. , 2020, , .		0

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181	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
182	Advanced Teaching in Electromagnetics at the ELEDIA Research Center. , 2021, , .		0
183	Joint Inversion of Acoustic and Electromagnetic Data for Imaging Human Thorax. , 2018, , .		0
184	Study on Low-Frequency Data Learning for Inverse Scattering Problems with High Nonlinearity. , 2021, , .		0
185	Three-Dimensional Modeling for Ocean Electromagnetic Environment. , 2020, , .		0
186	Multiple OAM Beams Design Using the Pattern Product Method. , 2020, , .		0
187	A supervised descent learning technique for inversion of directional electromagnetic logging-while-drilling data. , 2020, , .		0
188	3D Model-based Inversion with Limited Microwave Data Using Supervised Descent Method. , 2020, , .		0
189	Fast Full-wave Microwave Imaging With Physics Embedded Deep Neural Network. , 2021, , .		0
190	Low-Frequency Data Learning for Solving Highly Nonlinear Inverse Scattering Problems. , 2022, , .		0
191	Application of Electrical Impedance Tomography for Monitoring Tissue Water Content of the Thigh. , 2022, , .		0
192	A Three-dimensional Phantom for Evaluating the Performance of Electrical Impedance Tomography System. , 2022, , .		0
193	A Study on the Effect of Thorax Dilation in Microwave Thorax Imaging. , 2022, , .		0