Xiaoqian Song

List of Publications by Year
in descending order

17 papers	241 citations	1307594 7 h-index	1588992 8 g-index
17 all docs	17 docs citations	17 times ranked	159 citing authors

#	Article	IF	Citations
1	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
2	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
3	A New Approach for Solving Inverse Scattering Problems Based on Physics-informed Supervised Residual Learning. , 2022, , .		2
4	Physics Embedded Iterative Neural Network for Solving Integral Equations. , 2021, , .		1
5	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
6	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
7	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
8	A Regularization Scheme Based on Gaussian Mixture Model for EM Data Inversion. , 2020, , .		1
9	Study on a Joint Inversion Algorithm for Acoustic and Electromagnetic Data Based on Contrast Source Inversion Method and Cross-gradient Constraint. , 2019, , .		0
10	Application of Supervised Descent Method to Parametric Level-set Approach. , 2019, , .		1
11	Supervised Descent Learning Technique for 2-D Microwave Imaging. IEEE Transactions on Antennas and Propagation, 2019, 67, 3550-3554.	5.1	95
12	Supervised Descent Method for Full-wave Microwave Imaging. , 2019, , .		2
13	Three-dimensional Joint Inversion of Acoustic and Electromagnetic Data Based on Contrast Source Inversion. , 2019, , .		0
14	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
15	Feasibility Study of Acoustic Imaging for Human Thorax Using Contrast Source Inversion. , 2018, , .		0
16	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
17	Joint Inversion of Acoustic and Electromagnetic Data for Imaging Human Thorax. , 2018, , .		0