

# Xiaoqian Song

## List of Publications by Year in descending order

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citing authors

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