Xiang Pan

List of Publications by Year
in descending order

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46	179	1307594 7	1281871 11
papers	citations	h-index	g-index

46	46	46	129
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Matched-field geoacoustic inversion based on radial basis function neural network. Journal of the Acoustical Society of America, 2020, 148, 3279-3290.	1.1	24
2	Joint towed array shape and direction of arrivals estimation using sparse Bayesian learning during maneuvering. Journal of the Acoustical Society of America, 2020, 147, 1738-1751.	1.1	23
3	Combination of timeâ€reversal focusing and nulling for detection of small targets in strong reverberation environments. IET Radar, Sonar and Navigation, 2014, 8, 9-16.	1.8	11
4	Deep learning-based direction-of-arrival estimation for multiple speech sources using a small scale array. Journal of the Acoustical Society of America, 2021, 149, 3841-3850.	1.1	11
5	IoUT Based Underwater Target Localization in the Presence of Time Synchronization Attacks. IEEE Transactions on Wireless Communications, 2021, 20, 3958-3973.	9.2	9
6	Buried target detection based on time reversal focusing with a probe source. Applied Acoustics, 2009, 70, 473-478.	3.3	8
7	TR-MIMO detection of a small target in a shallow water waveguide environment. Applied Acoustics, 2014, 79, 16-22.	3.3	8
8	Geoacoustic Inversion Using an Autonomous Underwater Vehicle in Conjunction With Distributed Sensors. IEEE Journal of Oceanic Engineering, 2020, 45, 319-341.	3.8	8
9	Distributed broadband phasedâ€MIMO sonar for detection of small targets in shallow water environments. IET Radar, Sonar and Navigation, 2018, 12, 721-728.	1.8	7
10	Robust time reversal processing for active detection of a small bottom target in a shallow water waveguide. Journal of Zhejiang University: Science C, 2010, 11, 401-406.	0.7	6
11	Evaluation of the Performance of the Distributed Phased-MIMO Sonar. Sensors, 2017, 17, 133.	3.8	6
12	Buried target detection based on time reversal by probing beam. , 2008, , .		5
13	Near-field beamforming for a Multi-Beam Echo Sounder: Approximation and error analysis. , 2010, , .		5
14	Underwater acoustic MIMO communication based on active time reversal. , 2009, , .		4
15	Robust time-reversal is combined with distributed multiple-input multiple-output sonar for detection of small targets in shallow water environments. Applied Acoustics, 2018, 133, 157-167.	3.3	4
16	Coherent and Noncoherent Joint Processing of Sonar for Detection of Small Targets in Shallow Water. Sensors, 2018, 18, 1154.	3.8	4
17	Towed array beamforming using sparse Bayesian learning during maneuvering. , 2019, , .		3
18	Deconvolved Conventional Beamforming and Adaptive Cubature Kalman Filter Based Distant Speech Perception System. IEEE Access, 2020, 8, 187948-187958.	4.2	3

#	Article	IF	Citations
19	Beam-time delay domain deconvolved scheme for high-resolution active localization of underwater targets. Journal of the Acoustical Society of America, 2020, 148, 3762-3771.	1.1	3
20	Distributed MIMO sonar for detection of moving targets in shallow sea environments. Applied Acoustics, 2022, 185, 108366.	3.3	3
21	GSM-MRF based classification approach for real-time moving object detection. Journal of Zhejiang University: Science A, 2008, 9, 250-255.	2.4	2
22	Combination of time reversal and synthetic aperture beamforming for active detection of small bottom objects in waveguide environments. Applied Acoustics, 2009, 70, 1406-1411.	3.3	2
23	Results of a three-row synthetic aperture sonar for multipath rejection. , 2010, , .		2
24	Adaptive sonar beamformer based on inverse QR decomposition and recursive least squares filter for underwater target detection. International Journal of Remote Sensing, 2012, 33, 3987-3998.	2.9	2
25	Robust time reversal focusing based on Maximin criterion in a waveguide with uncertain water depth. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1822-1832.	5.1	2
26	Sediments parameters inversion from Head wave and multipath using compressive sensing. , 2016, , .		2
27	Sparse Reconstruction-Based Inverse Scattering Imaging in a Shallow Water Environment. IEEE Access, 2020, 8, 180305-180316.	4.2	2
28	Characterizing Laser-induced Acoustic Signals Based on Thermal Expansion Mechanism: Simulation Studies and Experiment Verifications. , 2021, , .		2
29	Wideband Multipath Rejection in Synthetic Aperture Sonar Imaging. , 2008, , .		1
30	A unified framework for multiple-input multiple-output and bistatic synthetic aperture sonar processing. , 2015, , .		1
31	Combination of small size tetrahedral arrays with distributed sensor networks for target detection. , 2019, , .		1
32	Geoacoustic parameter inversion from ship radiated noise using the structure similarity of dispersion curves. , 2020, , .		1
33	Spatial Diversity and Geoacoustic Inversion Using Distributed Sources and Receivers. IEEE Journal of Oceanic Engineering, 2021, 46, 527-541.	3.8	1
34	Reciprocity-based Synthetic Aperture Geoacoustic Inversion Using a Moving Source in the Presence of Doppler Effect. , 2020, , .		1
35	Detection of black box signal based on encoder-decoder fully convolutional networks. , 2020, , .		1
36	Range-dependent geoacoustic inversion using equivalent environmental model in the presence of doppler effect. Journal of the Acoustical Society of America, 2022, 151, 2613-2623.	1.1	1

#	Article	IF	Citations
37	Joint Time-Reversal Processing and Spatial Diversity for Distributed Target Detection in Shallow Water. , 2010, , .		0
38	Time-reversal based detection of buried objects in waveguide environments. , 2012, , .		0
39	Applying MIMO concept to time reversal method on target resolving in shallow water. , 2015, , .		0
40	Combination of sparsity of direct waves and detection of signal for distant speech enhancement. Applied Acoustics, 2021, 183, 108300.	3.3	0
41	Joint Bernoulli Filtering and MIMO Processing for Detection of Moving Targets in Shallow Ocean Environments. IEEE Access, 2021, 9, 126307-126318.	4.2	0
42	Geoacoustic inversion based on covariance weighted Bartlett estimator. , 2015, , .		0
43	Geoacoustic Inversion Based on Neural Network. , 2021, , .		0
44	Range-Dependent Geoacoustic Inversion Using Equivalent Parameters. , 2021, , .		0
45	The Signal Feature Extraction of Graph Fourier Transform on the Constructed Graph. , 2021, , .		0
46	Neural Network Application in Dispersion Curve Inversion of Seabed Geoacoustic Parameters. Journal of Physics: Conference Series, 2022, 2289, 012006.	0.4	0