

# Hang-Fang Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5191277/publications.pdf>

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26  
papers

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citations

1684188

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1720034

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docs citations

26  
times ranked

48  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tensor-based basis function learning for three-dimensional sound speed fields. Journal of the Acoustical Society of America, 2022, 151, 269-285.	1.1	10
2	Time-Reversal Mirror-Virtual Source Array Method for Acoustic Imaging of Proud and Buried Targets. IEEE Journal of Oceanic Engineering, 2016, 41, 382-394.	3.8	9
3	Bayesian passive acoustic tracking of a cooperative moving source in shallow water. IET Radar, Sonar and Navigation, 2014, 8, 202-208.	1.8	8
4	Passive Source Localization Using Compressive Sensing. Sensors, 2019, 19, 4522.	3.8	6
5	An Iterative Deconvolution-Time Reversal Method with Noise Reduction, a High Resolution and Sidelobe Suppression for Active Sonar in Shallow Water Environments. Sensors, 2020, 20, 2844.	3.8	6
6	Non-linear processing based on Dolphin inspired real LFM signals for enhanced delay-Doppler resolution. , 2014, , .		5
7	Matched-field source localization under multi-coherent modal group model via covariance matrix matching. , 2014, , .		2
8	Optimal invariant detection of a monochromatic plane wave with unknown amplitude, frequency, phase, direction of arrival and noise variance. IET Radar, Sonar and Navigation, 2014, 8, 465-478.	1.8	2
9	Kalman tracking of ocean current field based on distributed sensor network. , 2014, , .		2
10	Sound transmission loss correction due to hydrophone fluctuation with propagation model. , 2015, , .		2
11	Three-dimension fourier transform matched filed localization using helix array. , 2017, , .		2
12	Direction of Arrival Estimation for High Frequency Source in the Presence of Three-dimensional Sensor Position Errors. , 2020, , .		2
13	Decomposition of the Time Reversal Operator for Target Detection. Mathematical Problems in Engineering, 2012, 2012, 1-13.	1.1	1
14	Optimal invariant detection of a monochromatic plane wave with five unknown parameters. , 2013, , .		1
15	High resolution matched-field source localization based on sparse-reconstruction. , 2016, , .		1
16	Sparse reconstruction-based underwater source localization using co-prime arrays. , 2016, , .		1
17	Design Considerations of Mid-range Bi-static System for Bottom Scatterer Imaging. , 2019, , .		1
18	Robust Mode Space Detection in Uncertain Shallow Water With Incomplete Mode Sampling. IEEE Journal of Oceanic Engineering, 2022, 47, 201-212.	3.8	1

#	ARTICLE	IF	CITATIONS
19	Sparse Representation of Sound Speed Profiles Based on Dictionary Learning. , 2020, , .		1
20	Direction of arrival estimation based on spherical harmonics decomposition. , 2016, , .		0
21	Ocean acoustic tomography using travel-time sensitivity kernel. , 2016, , .		0
22	Kernelized method for compressive beamforming. , 2016, , .		0
23	Richness of random multipath fields in waveguides. , 2017, , .		0
24	Image Formation Theory and Experiment Based on ML Criterion and EM Algorithm. , 2021, , .		0
25	The Evolution of the Speed of Sound Based on Changes of Entropy and Energy in Statistical Ocean. , 2021, , .		0
26	Deconvolved Conventional Beamforming and Uncertainty Analysis for a Difference Coarray. , 2021, , .		0