Sung-Hoon Byun

List of Publications by Year
in descending order

22	198	1163117 8	1125743 13
papers	citations	h-index	g-index

23	23	23	116
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Active Underwater Target Detection Using a Shallow Neural Network With Spectrogram-Based Temporal Variation Features. IEEE Journal of Oceanic Engineering, 2024, 49, 279-293.	3.8	3
2	Underwater Acoustic Signal Detection Using Calibrated Hidden Markov Model with Multiple Measurements. Sensors, 2022, 22, 5088.	3.8	3
3	Near-field target strength of finite cylindrical shell in water. Applied Acoustics, 2021, 182, 108233.	3.3	3
4	Underwater Acoustic Research Trends with Machine Learning: Active SONAR Applications. Journal of Ocean Engineering and Technology, 2020, 34, 277-284.	1.2	17
5	Localization of multiple ships using a vertical array in shallow water. Journal of the Acoustical Society of America, 2019, 145, EL528-EL533.	1.1	6
6	Array invariant-based calibration of array tilt using a source of opportunity. Journal of the Acoustical Society of America, 2018, 143, 1318-1325.	1.1	21
7	Ray-based blind deconvolution of shipping sources using multiple beams separated by alternating projection. Journal of the Acoustical Society of America, 2018, 144, 3525-3532.	1.1	9
8	Analysis and Tests of the Behavior of an Underwater Acoustic Horizontal Array Platform. Journal of Ocean Engineering and Technology, 2018, 32, 222-227.	1.2	1
9	Multichannel myopic deconvolution in underwater acoustic channelsvialow-rank recovery. Journal of the Acoustical Society of America, 2017, 141, 3337-3348.	1.1	15
10	Blind deconvolution of shipping sources in an ocean waveguide. Journal of the Acoustical Society of America, 2017, 141, 797-807.	1.1	33
11	Array invariant-based ranging of a source of opportunity. Journal of the Acoustical Society of America, 2017, 142, EL286-EL291.	1.1	20
12	Characterization of high-frequency underwater acoustic channel around 100 kHz in a shallow water. , 2016, , .		3
13	Cyclostationary analysis of underwater noise for vehicle propeller monitoring. , 2016, , .		1
14	Sparse Underwater Acoustic Channel Parameter Estimation Using a Wideband Receiver Array. IEEE Journal of Oceanic Engineering, 2013, 38, 718-729.	3.8	27
15	Effects of multipath distortion on sparse signal parameter estimation. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
16	The effect of source power on statistical characterization of underwater acoustic communication channel in shallow water. , 2012, , .		0
17	Characterization of underwater acoustic channel using slowly moving transmitter in shallow water. , 2011, , .		3
18	Underwater acoustic positioning in dense multipath channels using a 2-D wideband sparse array. , 2011, , .		2

#	Article	IF	Citations
19	Underwater acoustic QPSK receiver implementation and its test results at the very shallow water. , 2010, , .		1
20	Temporal variations of the statistical properties of an underwater acoustic channel measured at a shallow water in 2009. , 2010, , .		4
21	Time-varying Underwater Acoustic Channel Modeling for Moving Platform. , 2007, , .		9
22	Robust matched field-processing algorithm based on feature extraction. IEEE Journal of Oceanic Engineering, 2002, 27, 642-652.	3.8	17