

Mahmood R Azimi-Sadjadi

List of Publications by Year in descending order

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49
papers

380
citations

1040056

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h-index

888059

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49
all docs

49
docs citations

49
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherence-Based Underwater Target Detection From Multiple Disparate Sonar Platforms. IEEE Journal of Oceanic Engineering, 2011, 36, 37-51.	3.8	56
2	Wideband DOA estimation algorithms for multiple moving sources using unattended acoustic sensors. IEEE Transactions on Aerospace and Electronic Systems, 2008, 44, 1585-1599.	4.7	36
3	Detection of Spatially Correlated Time Series From a Network of Sensor Arrays. IEEE Transactions on Signal Processing, 2014, 62, 1396-1407.	5.3	32
4	An Adaptable Image Retrieval System With Relevance Feedback Using Kernel Machines and Selective Sampling. IEEE Transactions on Image Processing, 2009, 18, 1645-1659.	9.8	28
5	Underwater Unexploded Ordnance (UXO) Classification Using a Matched Subspace Classifier With Adaptive Dictionaries. IEEE Journal of Oceanic Engineering, 2019, 44, 739-752.	3.8	28
6	K-SVD dictionary learning using a fast OMP with applications. , 2014, , .		21
7	A statistical-based approach for acoustic tomography of the atmosphere. Journal of the Acoustical Society of America, 2014, 135, 104-114.	1.1	14
8	Acoustic Tomography of the Atmosphere Using Unscented Kalman Filter. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2159-2171.	6.3	14
9	Buried Underwater Object Classification Using a Collaborative Multiaspect Classifier. IEEE Journal of Oceanic Engineering, 2009, 34, 32-44.	3.8	13
10	A New Synthetic Aperture Sonar Processing Method Using Coherence Analysis. IEEE Journal of Oceanic Engineering, 2011, 36, 665-678.	3.8	10
11	Performance Prediction and Estimation for Underwater Target Detection Using Multichannel Sonar. IEEE Journal of Oceanic Engineering, 2020, 45, 534-546.	3.8	10
12	Non-Gaussian Target Detection in Sonar Imagery Using the Multivariate Laplace Distribution. IEEE Journal of Oceanic Engineering, 2015, 40, 452-464.	3.8	9
13	Target detection in M-disparate sonar platforms using multichannel hypothesis testing. , 2008, , .		8
14	Detection and Classification of Nonstationary Transient Signals Using Sparse Approximations and Bayesian Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1750-1764.	5.8	8
15	Buried underwater target classification using frequency subband coherence analysis. , 2008, , .		7
16	Saddlepoint Approximations for Correlation Testing Among Multiple Gaussian Random Vectors. IEEE Signal Processing Letters, 2016, 23, 703-707.	3.6	7
17	Buried Underwater Object Classification Using a Collaborative Multi-Aspect Classifier. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	6
18	Generalized likelihood ratio test for finite mixture model of K-distributed random variables. , 2011, , .		6

#	ARTICLE	IF	CITATIONS
19	Time-Frequency Analysis of Cardiovascular and Cardiorespiratory Interactions During Orthostatic Stress by Extended Partial Directed Coherence. <i>Entropy</i> , 2019, 21, 468.	2.2	6
20	Canonical Coordinates for Detection and Classification of Underwater Objects From Sonar Imagery. , 2007, , .		5
21	Dual-Satellite Cloud Product Generation Using Temporally Updated Canonical Coordinate Features. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007, 45, 1046-1060.	6.3	5
22	Underwater target detection from multi-platform sonar imagery using multi-channel coherence analysis. , 2009, , .		5
23	Unattended Acoustic Sensor Systems For Source Detection, Classification, and Tracking. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 344-354.	4.7	5
24	Manifold-Based Classification of Underwater Unexploded Ordnance in Low-Frequency Sonar. <i>IEEE Journal of Oceanic Engineering</i> , 2020, 45, 1034-1044.	3.8	5
25	Incremental Dictionary Learning With Sparsity. , 2018, , .		4
26	Acoustic localization of vehicular sources using distributed sensors. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 4913-4925.	1.1	4
27	Bayesian Learning of Occupancy Grids. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 1073-1084.	8.0	4
28	An underwater target detection system for electro-optical imagery data. , 2009, , .		4
29	Target coherence analysis using canonical correlation decomposition for SAS data. , 2009, , .		3
30	Multi-sonar target detection using multi-channel coherence analysis. , 2010, , .		3
31	Spatial correlation analysis using canonical correlation decomposition for sparse sonar array processing. , 2009, , .		2
32	Characterization of Multiple Transient Acoustical Sources From Time-Transform Representations. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2013, 21, 1966-1978.	3.2	2
33	Detection of correlated time series in a network of sensor arrays. , 2014, , .		2
34	Incremental Dictionary Learning For Adaptive Classification And Reconstruction Of Facial Imagery. , 2019, , .		2
35	Information-Theoretic Interactive Sensing and Inference for Autonomous Systems. <i>IEEE Transactions on Signal Processing</i> , 2021, 69, 5627-5637.	5.3	2
36	An Operationally Adaptive System for Rapid Acoustic Transmission Loss Prediction. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
37	Compressed sensing of different size block-sparse signals: Efficient recovery. , 2010, , .		1
38	Localization of near-field sources in sonar data using the sparse representation framework. , 2011, , .		1
39	Multi-platform target detection using multi-channel coherence analysis and robustness to the effects of disparity. , 2009, , .		1
40	An Iterative Learning Algorithm for Multi-Channel Coherence Analysis. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
41	Rapid acoustic transmission loss prediction using an operationally adaptive system. , 2009, , .		0
42	A likelihood-based decision feedback system for multi-aspect classification of underwater targets. , 2009, , .		0
43	SAS-like acoustic color processing for a single-hydrophone sonar platform. , 2010, , .		0
44	Non-Gaussian target detection in sonar imagery using the multivariate Laplace distribution. , 2011, , .		0
45	Class-preserving manifold learning for detection and classification. , 2015, , .		0
46	Underwater UXO classification using Matched Subspace Classifier with synthetic sparse dictionaries. , 2016, , .		0
47	A Multiple Kernel Machine with Incremental Learning using Sparse Representation. , 2019, , .		0
48	Performance Prediction of Multichannel Coherence Detector for Sonar Imagery. , 2019, , .		0
49	Adaptive Classification Using Incremental Linearized Kernel Embedding. IEEE Transactions on Signal Processing, 2022, 70, 1764-1774.	5.3	0