Mahmood R Azimi-Sadjadi

List of Publications by Year
in descending order

49 papers	**380** citations	1040056 **9** h-index	888059 **17** g-index
49 all docs	**49** docs citations	**49** times ranked	**273** citing authors

#	Article	IF	Citations
1	Bayesian Learning of Occupancy Grids. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1073-1084.	8.0	4
2	Adaptive Classification Using Incremental Linearized Kernel Embedding. IEEE Transactions on Signal Processing, 2022, 70, 1764-1774.	5.3	0
3	Information-Theoretic Interactive Sensing and Inference for Autonomous Systems. IEEE Transactions on Signal Processing, 2021, 69, 5627-5637.	5.3	2
4	Performance Prediction and Estimation for Underwater Target Detection Using Multichannel Sonar. IEEE Journal of Oceanic Engineering, 2020, 45, 534-546.	3.8	10
5	Manifold-Based Classification of Underwater Unexploded Ordnance in Low-Frequency Sonar. IEEE Journal of Oceanic Engineering, 2020, 45, 1034-1044.	3.8	5
6	Unattended Acoustic Sensor Systems For Source Detection, Classification, and Tracking. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 344-354.	4.7	5
7	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
8	Time-Frequency Analysis of Cardiovascular and Cardiorespiratory Interactions During Orthostatic Stress by Extended Partial Directed Coherence. Entropy, 2019, 21, 468.	2.2	6
9	Incremental Dictionary Learning For Adaptive Classification And Reconstruction Of Facial Imagery. , 2019, , .		2
10	A Multiple Kernel Machine with Incremental Learning using Sparse Representation. , 2019, , .		0
11	Acoustic localization of vehicular sources using distributed sensors. Journal of the Acoustical Society of America, 2019, 146, 4913-4925.	1.1	4
12	Performance Prediction of Multichannel Coherence Detector for Sonar Imagery. , 2019, , .		0
13	Incremental Dictionary Learning With Sparsity. , 2018, , .		4
14	Saddlepoint Approximations for Correlation Testing Among Multiple Gaussian Random Vectors. IEEE Signal Processing Letters, 2016, 23, 703-707.	3.6	7
15	Underwater UXO classification using Matched Subspace Classifier with synthetic sparse dictionaries. , 2016, , .		0
16	Non-Gaussian Target Detection in Sonar Imagery Using the Multivariate Laplace Distribution. IEEE Journal of Oceanic Engineering, 2015, 40, 452-464.	3.8	9
17	Class-preserving manifold learning for detection and classification. , 2015, , .		0
18	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

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19	A statistical-based approach for acoustic tomography of the atmosphere. Journal of the Acoustical Society of America, 2014, 135, 104-114.	1.1	14
20	Detection of correlated time series in a network of sensor arrays. , 2014, , .		2
21	Detection of Spatially Correlated Time Series From a Network of Sensor Arrays. IEEE Transactions on Signal Processing, 2014, 62, 1396-1407.	5.3	32
22	K-SVD dictionary learning using a fast OMP with applications. , 2014, , .		21
23	Acoustic Tomography of the Atmosphere Using Unscented Kalman Filter. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2159-2171.	6.3	14
24	Characterization of Multiple Transient Acoustical Sources From Time-Transform Representations. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1966-1978.	3.2	2
25	Generalized likelihood ratio test for finite mixture model of K-distributed random variables. , 2011, , .		6
26	Non-Gaussian target detection in sonar imagery using the multivariate Laplace distribution. , 2011, , .		0
27	Localization of near-field sources in sonar data using the sparse representation framework. , 2011, , .		1
28	Coherence-Based Underwater Target Detection From Multiple Disparate Sonar Platforms. IEEE Journal of Oceanic Engineering, 2011, 36, 37-51.	3.8	56
29	A New Synthetic Aperture Sonar Processing Method Using Coherence Analysis. IEEE Journal of Oceanic Engineering, 2011, 36, 665-678.	3.8	10
30	SAS-like acoustic color processing for a single-hydrophone sonar platform. , 2010, , .		0
31	Compressed sensing of different size block-sparse signals: Efficient recovery. , 2010, , .		1
32	Multi-sonar target detection using multi-channel coherence analysis. , 2010, , .		3
33	Rapid acoustic transmission loss prediction using an operationally adaptive system. , 2009, , .		0
34	Spatial correlation analysis using canonical correlation decomposition for sparse sonar array processing. , 2009, , .		2
35	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
36	Underwater target detection from multi-platform sonar imagery using multi-channel coherence analysis. , 2009, , .		5

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37	A likelihood-based decision feedback system for multi-aspect classification of underwater targets. , 2009, , .		0
38	Buried Underwater Object Classification Using a Collaborative Multiaspect Classifier. IEEE Journal of Oceanic Engineering, 2009, 34, 32-44.	3.8	13
39	Target coherence analysis using canonical correlation decomposition for SAS data. , 2009, , .		3
40	An underwater target detection system for electro-optical imagery data. , 2009, , .		4
41	Multi-platform target detection using multi-channel coherence analysis and robustness to the effects of disparity. , 2009, , .		1
42	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
43	Buried underwater target classification using frequency subband coherence analysis. , 2008, , .		7
44	Target detection in M-disparate sonar platforms using multichannel hypothesis testing. , 2008, , .		8
45	Buried Underwater Object Classification Using a Collaborative Multi-Aspect Classifier. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	6
46	An Operationally Adaptive System for Rapid Acoustic Transmission Loss Prediction. , 2007, , .		1
47	Canonical Coordinates for Detection and Classification of Underwater Objects From Sonar Imagery. , 2007, , .		5
48	An Iterative Learning Algorithm for Multi-Channel Coherence Analysis. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	0
49	Dual-Satellite Cloud Product Generation Using Temporally Updated Canonical Coordinate Features. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 1046-1060.	6.3	5