Les Atlas

List of Publications by Year
in descending order

31 papers	**1,493** citations	1464605 **7** h-index	1427216 **11** g-index
33 all docs	**33** docs citations	**33** times ranked	**1350** citing authors

#	Article	IF	Citations
1	Regression Factor Analysis With an Application to Continuous HRIR Measurement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 415-421.	4.0	0
2	Building recurrent networks by unfolding iterative thresholding for sequential sparse recovery. , 2017, , .		21
3	Deep recurrent NMF for speech separation by unfolding iterative thresholding. , 2017, , .		13
4	Constrained robust submodular sensor selection with application to multistatic sonar arrays. IET Radar, Sonar and Navigation, 2017, 11, 1776-1781.	0.9	4
5	Benefits of noncircular statistics for nonstationary signals. , 2016, , .		1
6	An alternative approach for auditory attention tracking using single-trial EEG. , 2016, , .		6
7	On spectral noncircularity of natural signals. , 2016, , .		2
8	Voice activity detection using subband noncircularity. , 2015, , .		11
9	Speech Analysis With the Strong Uncorrelating Transform. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1858-1868.	4.0	10
10	Extending coherence for optimal detection of nonstationary harmonic signals. , 2014, , .		1
11	Extending coherence time for analysis of modulated random processes. , 2014, , .		6
12	Complementary envelope estimation for frequency-modulated random signals. , 2013, , .		1
13	Existence and estimation of impropriety in real rhythmic signals. , 2012, , .		7
14	Disaggregated water sensing from a single, pressure-based sensor: An extended analysis of HydroSense using staged experiments. Pervasive and Mobile Computing, 2012, 8, 82-102.	2.1	42
15	Single-Channel Source Separation Using Complex Matrix Factorization. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2591-2597.	3.8	32
16	A novel approach using modulation features for multiphone-based speech recognition. , 2011, , .		1
17	A Longitudinal Study of Pressure Sensing to Infer Real-World Water Usage Events in the Home. Lecture Notes in Computer Science, 2011, , 50-69.	1.0	28
18	Cepstral mean based speech source discrimination. , 2010, , .		1

#	Article	IF	Citations
19	Call and component evaluation for improved performance of recognition of killer whale individuals. , 2010, , .		1
20	Single-channel source separation using simplified-training complex matrix factorization. , 2010, , .		22
21	Multiband analysis for colored amplitude-modulated ship noise. , 2010, , .		15
22	Harmonic coherent demodulation for improving sound coding in cochlear implants. , 2010, , .		8
23	A sum-of-products model for effective coherent modulation filtering. , 2009, , .		7
24	Time-Frequency Coherent Modulation Filtering of Nonstationary Signals. IEEE Transactions on Signal Processing, 2009, 57, 4323-4332.	3.2	48
25	Modulation decompositions for the interpolation of long gaps in acoustic signals. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	5
26	Coherent modulation filtering for speech. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	6
27	Air-coupled ultrasound time-of-flight estimation for shipping container cargo verification. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	2
28	Beamforming Alternatives for Multi-Channel Transient Acoustic Event Classification. , 2007, , .		2
29	Perceptual Feature Identification for Active Sonar Echoes. , 2006, , .		16
30	Improving Generalization with Active Learning. Machine Learning, 1994, 15, 201-221.	3.4	307
31	Improving generalization with active learning. Machine Learning, 1994, 15, 201-221.	3.4	867