Matthieu Puigt

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Real-Time Multiple Sound Source Localization and Counting Using a Circular Microphone Array. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 2193-2206.	3.8	195
2	Time–frequency ratio-based blind separation methods for attenuated and time-delayed sources. Mechanical Systems and Signal Processing, 2005, 19, 1348-1379.	4.4	45
3	Temporal and time-frequency correlation-based blind source separation methods. Part I: Determined and underdetermined linear instantaneous mixtures. Signal Processing, 2007, 87, 374-407.	2.1	45
4	Non-negative Matrix Factorization under equality constraints—a study of industrial source identification. Applied Numerical Mathematics, 2014, 85, 1-15.	1.2	20
5	Real-time multiple sound source localization using a circular microphone array based on single-source confidence measures. , 2012, , .		18
6	Blind mobile sensor calibration using an informed nonnegative matrix factorization with a relaxed rendezvous model. , 2016, , .		16
7	Informed Nonnegative Matrix Factorization Methods for Mobile Sensor Network Calibration. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 667-682.	1.6	15
8	Source counting in real-time sound source localization using a circular microphone array. , 2012, , .		13
9	Fast Nonnegative Matrix Factorization and Completion Using Nesterov Iterations. Lecture Notes in Computer Science, 2017, , 26-35.	1.0	9
10	Blind Separation methods based on correlation for sparse possibly-correlated images. , 2010, , .		8
11	Blind Calibration of Mobile Sensors Using Informed Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2015, , 497-505.	1.0	8
12	Nonlinear mobile sensor calibration using informed semi-nonnegative matrix factorization with a Vandermonde factor. , 2016, , .		8
13	Informed Weighted Non-Negative Matrix Factorization Using $\alpha\beta$-Divergence Applied to Source Apportionment. Entropy, 2019, 21, 253.	1.1	6
14	Non-negative Matrix Factorization using weighted beta divergence and equality constraints for industrial source apportionment. , 2013, , .		5
15	Validity of the Independence Assumption for the Separation of Instantaneous and Convolutive Mixtures of Speech and Music Sources. Lecture Notes in Computer Science, 2009, , 613-620.	1.0	5
16	Nonlinear blind mixture identification using local source sparsity and functional data clustering. , 2012, , .		4
17	Bound constrained weighted NMF for industrial source apportionment. , 2014, , .		4
18	Iterative-Shift Cluster-Based Time-Frequency BSS for Fractional-Time-Delay Mixtures. Lecture Notes in Computer Science, 2009, , 306-313.	1.0	3

#	Article	IF	Citations
19	Outlier-robust calibration method for sensor networks. , 2017, , .		3
20	In Situ Calibration of Cross-Sensitive Sensors in Mobile Sensor Arrays Using Fast Informed Non-Negative Matrix Factorization. , 2021, , .		3
21	Robust informed split gradient NMF using α-β²-divergence for source apportionment. , 2016, , .		2
22	Informed Split Gradient Non-negative Matrix factorization using Huber cost function for source apportionment. , 2016, , .		2
23	How to Apply Random Projections to Nonnegative Matrix Factorization with Missing Entries?. , 2019, , .		2
24	Random Projection Streams for (Weighted) Nonnegative Matrix Factorization. , 2021, , .		2
25	Semi-Automatic Spectral Image Stitching for a Compact Hybrid Linescan Hyperspectral Camera towards Near Field Remote Monitoring of Potato Crop Leaves. Sensors, 2021, 21, 7616.	2.1	2
26	Source separation algorithms for the analysis of hyper-spectral observations of very small interstellar dust particles. , 2009, , .		1
27	Effects of audio coding on ICA performance: An experimental study. , 2013, , .		0