

# Matthieu Puigt

## List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	In Situ Calibration of Cross-Sensitive Sensors in Mobile Sensor Arrays Using Fast Informed Non-Negative Matrix Factorization. , 2021, , .		3
2	Random Projection Streams for (Weighted) Nonnegative Matrix Factorization. , 2021, , .		2
3	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
4	Informed Weighted Non-Negative Matrix Factorization Using $\hat{l}_1\hat{l}_2$ -Divergence Applied to Source Apportionment. Entropy, 2019, 21, 253.	1.1	6
5	How to Apply Random Projections to Nonnegative Matrix Factorization with Missing Entries?. , 2019, , .		2
6	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
7	Fast Nonnegative Matrix Factorization and Completion Using Nesterov Iterations. Lecture Notes in Computer Science, 2017, , 26-35.	1.0	9
8	Outlier-robust calibration method for sensor networks. , 2017, , .		3
9	Nonlinear mobile sensor calibration using informed semi-nonnegative matrix factorization with a Vandermonde factor. , 2016, , .		8
10	Robust informed split gradient NMF using $\hat{l}_1\hat{l}_2$ -divergence for source apportionment. , 2016, , .		2
11	Informed Split Gradient Non-negative Matrix factorization using Huber cost function for source apportionment. , 2016, , .		2
12	Blind mobile sensor calibration using an informed nonnegative matrix factorization with a relaxed rendezvous model. , 2016, , .		16
13	Blind Calibration of Mobile Sensors Using Informed Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2015, , 497-505.	1.0	8
14	Bound constrained weighted NMF for industrial source apportionment. , 2014, , .		4
15	Non-negative Matrix Factorization under equality constraintsâ€”a study of industrial source identification. Applied Numerical Mathematics, 2014, 85, 1-15.	1.2	20
16	Effects of audio coding on ICA performance: An experimental study. , 2013, , .		0
17	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
18	Non-negative Matrix Factorization using weighted beta divergence and equality constraints for industrial source apportionment. , 2013, , .		5

#	ARTICLE	IF	CITATIONS
19	Nonlinear blind mixture identification using local source sparsity and functional data clustering. , 2012, , .		4
20	Source counting in real-time sound source localization using a circular microphone array. , 2012, , .		13
21	Real-time multiple sound source localization using a circular microphone array based on single-source confidence measures. , 2012, , .		18
22	Blind Separation methods based on correlation for sparse possibly-correlated images. , 2010, , .		8
23	Source separation algorithms for the analysis of hyper-spectral observations of very small interstellar dust particles. , 2009, , .		1
24	Iterative-Shift Cluster-Based Time-Frequency BSS for Fractional-Time-Delay Mixtures. Lecture Notes in Computer Science, 2009, , 306-313.	1.0	3
25	Validity of the Independence Assumption for the Separation of Instantaneous and Convolutional Mixtures of Speech and Music Sources. Lecture Notes in Computer Science, 2009, , 613-620.	1.0	5
26	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
27	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