

David Brie

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A General Framework for Constrained Convex Quaternion Optimization. IEEE Transactions on Signal Processing, 2022, 70, 254-267.	3.2	9
2	Hyperspectral Super-resolution Accounting for Spectral Variability: Coupled Tensor LL1-Based Recovery and Blind Unmixing of the Unknown Super-resolution Image. SIAM Journal on Imaging Sciences, 2022, 15, 110-138.	1.3	10
3	Constrained Cram�r�Rao bounds for reconstruction problems formulated as coupled canonical polyadic decompositions. Signal Processing, 2022, 198, 108573.	2.1	0
4	Boolean decomposition of binary matrices using a post-nonlinear mixture approach. Signal Processing, 2021, 178, 107809.	2.1	6
5	Coupled Tensor Decomposition for Hyperspectral and Multispectral Image Fusion With Inter-Image Variability. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 702-717.	7.3	34
6	Quaternion Non-Negative Matrix Factorization: Definition, Uniqueness, and Algorithm. IEEE Transactions on Signal Processing, 2020, 68, 1870-1883.	3.2	13
7	Hyperspectral Super-Resolution With Coupled Tucker Approximation: Recoverability and SVD-Based Algorithms. IEEE Transactions on Signal Processing, 2020, 68, 931-946.	3.2	46
8	Tensor methods for multisensor signal processing. IET Signal Processing, 2020, 14, 693-709.	0.9	12
9	Online Deconvolution for Industrial Hyperspectral Imaging Systems. SIAM Journal on Imaging Sciences, 2019, 12, 54-86.	1.3	6
10	A simultaneous sparse approximation method for multidimensional harmonic retrieval. Signal Processing, 2017, 131, 36-48.	2.1	14
11	Local surface sampling step estimation for extracting boundaries of planar point clouds. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 309-319.	4.9	9
12	Regularization Parameter Estimation for Non-Negative Hyperspectral Image Deconvolution. IEEE Transactions on Image Processing, 2016, 25, 5316-5330.	6.0	20
13	Transient Performance Analysis of Zero-Attracting LMS. IEEE Signal Processing Letters, 2016, 23, 1786-1790.	2.1	31
14	Generalized LASSO with under-determined regularization matrices. Signal Processing, 2016, 127, 239-246.	2.1	40
15	DDB2 (damaged-DNA binding 2) protein: a new modulator of nanomechanical properties and cell adhesion of breast cancer cells. Nanoscale, 2016, 8, 5268-5279.	2.8	14
16	Raman spectra of Ni�Mg kerolite: effect of Ni�Mg substitution on O�H stretching vibrations. Journal of Raman Spectroscopy, 2015, 46, 933-940.	1.2	24
17	Multicolor Whole-Cell Bacterial Sensing Using a Synchronous Fluorescence Spectroscopy-Based Approach. PLoS ONE, 2015, 10, e0122848.	1.1	10
18	Homotopy Based Algorithms for ℓ_1 -Regularized Least-Squares. IEEE Transactions on Signal Processing, 2015, 63, 3301-3316.	3.2	34

#	ARTICLE	IF	CITATIONS
19	Multilinear direction finding for sensor-array with multiple scales of invariance. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 2057-2070.	2.6	19
20	Does Deblurring Improve Geometrical Hyperspectral Unmixing?. IEEE Transactions on Image Processing, 2014, 23, 1169-1180.	6.0	15
21	Uni-mode and Partial Uniqueness Conditions for CANDECOMP/PARAFAC of Three-Way Arrays with Linearly Dependent Loadings. SIAM Journal on Matrix Analysis and Applications, 2012, 33, 111-129.	0.7	32
22	On LARS/Homotopy Equivalence Conditions for Over-Determined LASSO. IEEE Signal Processing Letters, 2012, 19, 894-897.	2.1	8
23	The effect of polarization separation on the performance of Candecomp/Parafac-based vector sensor array processing. Physical Communication, 2012, 5, 289-295.	1.2	3
24	From Bernoulli to Gaussian Deconvolution to Sparse Signal Restoration. IEEE Transactions on Signal Processing, 2011, 59, 4572-4584.	3.2	106
25	A CANDECOMP/PARAFAC Perspective on Uniqueness of DOA Estimation Using a Vector Sensor Array. IEEE Transactions on Signal Processing, 2011, 59, 3475-3481.	3.2	58
26	Automated Force Volume Image Processing for Biological Samples. PLoS ONE, 2011, 6, e18887.	1.1	86
27	Modeling of MIG/MAG welding with experimental validation using an active contour algorithm applied on high speed movies. Applied Mathematical Modelling, 2010, 34, 1004-1020.	2.2	29
28	Regularization aspects in continuous-time model identification. Automatica, 2005, 41, 197-208.	3.0	17
29	MODELLING OF THE SPALLED ROLLING ELEMENT BEARING VIBRATION SIGNAL: AN OVERVIEW AND SOME NEW RESULTS. Mechanical Systems and Signal Processing, 2000, 14, 353-369.	4.4	66