José Bioucas-Dias

List of Publications by Year
in descending order

267
papers

26,534
citations

19657

61
h-index

8630

146
g-index

269
all docs

269
docs citations

269
times ranked

11180
citing authors

#	Article	IF	Citations
1	Adaptive Hyperspectral Mixed Noise Removal. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	20
2	Hy-Demosaicing: Hyperspectral Blind Reconstruction From Spectral Subsampling. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	16
3	Nonnegative Blind Source Separation for Ill-Conditioned Mixtures via John Ellipsoid. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2209-2223.	11.3	15
4	Block-Gaussian-Mixture Priors for Hyperspectral Denoising and Inpainting. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2478-2486.	6.3	13
5	Hyperspectral Image Denoising Based on Global and Nonlocal Low-Rank Factorizations. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10438-10454.	6.3	66
6	Hyperspectral Image Denoising and Anomaly Detection Based on Low-Rank and Sparse Representations. IEEE Transactions on Geoscience and Remote Sensing, 2021, , 1-17.	6.3	75
7	Semisupervised Discriminative Random Field for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12403-12414.	4.9	3
8	Robust Restoration of Sparse Multidimensional Single-Photon LiDAR Images. IEEE Transactions on Computational Imaging, 2020, 6, 138-152.	4.4	27
9	Microwave Breast Imaging Using a Dry Setup. IEEE Transactions on Computational Imaging, 2020, 6, 167-180.	4.4	34
10	Matrix cofactorization for joint representation learning and supervised classification – Application to hyperspectral image analysis. Neurocomputing, 2020, 385, 132-147.	5.9	2
11	Nonlocal Sparse Tensor Factorization for Semiblind Hyperspectral and Multispectral Image Fusion. IEEE Transactions on Cybernetics, 2020, 50, 4469-4480.	9.5	107
12	Class-Specific Interferometric Phase Estimation Using Patch-Based Importance Sampling. IEEE Access, 2020, 8, 161052-161066.	4.2	0
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15	Regularization Parameter Selection in Minimum Volume Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9858-9877.	6.3	83
16	Joint Reconstruction of Multitemporal or Multispectral Single-Photon 3D LiDAR Images. , 2019, , .		0
17	Landmine Detection Using Multispectral Images. IEEE Sensors Journal, 2019, 19, 9341-9351.	4.7	14
18	SURE-Fuse WFF: A Multi-Resolution Windowed Fourier Analysis for Interferometric Phase Denoising. IEEE Access, 2019, 7, 120708-120723.	4.2	3

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19	External Patch-Based Image Restoration Using Importance Sampling. IEEE Transactions on Image Processing, 2019, 28, 4460-4470.	9.8	7
20	Image Restoration and Reconstruction using Targeted Plug-and-Play Priors. IEEE Transactions on Computational Imaging, 2019, 5, 675-686.	4.4	23
21	Antenna Design and Near-Field Characterization for Medical Microwave Imaging Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 4811-4824.	5.1	45
22	Robust Cardiac Motion Estimation With Dictionary Learning and Temporal Regularization for Ultrasound Imaging. , 2019, , .		4
23	Matrix Cofactorization for Joint Unmixing and Classification of Hyperspectral Images. , 2019, , .		0
24	A Convergent Image Fusion Algorithm Using Scene-Adapted Gaussian-Mixture-Based Denoising. IEEE Transactions on Image Processing, 2019, 28, 451-463.	9.8	64
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27	Convex Formulation for Multiband Image Classification With Superpixel-Based Spatial Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2704-2721.	6.3	12
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31	Hyperspectral Image Super-Resolution via Local Low-Rank and Sparse Representations. , 2018, , .		17
32	Adaptive Hyperspectral Mixed Noise Removal. , 2018, , .		9
33	Restoration of Multilayered Single-Photon 3D Lidar Images. , 2018, , .		1
34	An Extension of Averaged-Operator-Based algorithms. , 2018, , .		0
35	Super-resolution of Sentinel-2 images: Learning a globally applicable deep neural network. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 305-319.	11.1	207
36	Fusing Hyperspectral and Multispectral Images via Coupled Sparse Tensor Factorization. IEEE Transactions on Image Processing, 2018, 27, 4118-4130.	9.8	353

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45	Class-specific poisson denoising by patch-based importance sampling. , 2017, , .		7
46	Hyperspectral image denoising based on global and non-local low-rank factorizations. , 2017, , .		24
47	Class-specific image denoising using importance sampling. , 2017, , .		5
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49	Spatial-spectral hyperspectral image compressive sensing. , 2017, , .		4
50	A hierarchical approach to superresolution of multispectral images with different spatial resolutions. , 2017, , .		8
51	Improving point cloud to surface reconstruction with generalized Tikhonov regularization. , 2017, , .		7
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