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List of Publications by Year
in descending order

38 papers	3,143 citations	279487 23 h-index	414034 32 g-index
38 all docs	38 docs citations	38 times ranked	1562 citing authors

#	Article	IF	Citations
1	Hyperspectral Image Restoration Using Low-Rank Matrix Recovery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4729-4743.	2.7	642
2	Total-Variation-Regularized Low-Rank Matrix Factorization for Hyperspectral Image Restoration. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 178-188.	2.7	463
3	Hyperspectral Image Denoising via Noise-Adjusted Iterative Low-Rank Matrix Approximation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3050-3061.	2.3	205
4	Total Variation Regularized Reweighted Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3909-3921.	2.7	181
5	Hyperspectral Image Denoising Using Local Low-Rank Matrix Recovery and Global Spatialâ€"Spectral Total Variation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 713-729.	2.3	161
6	Interpretable Hyperspectral Artificial Intelligence: When nonconvex modeling meets hyperspectral remote sensing. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 52-87.	4.9	157
7	Hyperspectral Image Restoration Using Weighted Group Sparsity-Regularized Low-Rank Tensor Decomposition. IEEE Transactions on Cybernetics, 2020, 50, 3556-3570.	6.2	142
8	Hyperspectral Image Denoising With Total Variation Regularization and Nonlocal Low-Rank Tensor Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3071-3084.	2.7	111
9	Non-Local Meets Global: An Integrated Paradigm for Hyperspectral Denoising. , 2019, , .		96
10	Sparsity-Regularized Robust Non-Negative Matrix Factorization for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 4267-4279.	2.3	92
11	Double-Factor-Regularized Low-Rank Tensor Factorization for Mixed Noise Removal in Hyperspectral Image. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8450-8464.	2.7	81
12	Remote Sensing Image Reconstruction Using Tensor Ring Completion and Total Variation. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8998-9009.	2.7	77
13	Nonlocal Tensor-Ring Decomposition for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1348-1362.	2.7	71
14	Multi-Temporal Sentinel-1 and -2 Data Fusion for Optical Image Simulation. ISPRS International Journal of Geo-Information, 2018, 7, 389.	1.4	68
15	Non-local Meets Global: An Integrated Paradigm for Hyperspectral Image Restoration. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, PP, 1-1.	9.7	66
16	Blind cloud and cloud shadow removal of multitemporal images based on total variation regularized low-rank sparsity decomposition. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 157, 93-107.	4.9	53
17	Hyperspectral super-resolution via coupled tensor ring factorization. Pattern Recognition, 2022, 122, 108280.	5.1	51
18	Hyperspectral Image Compressive Sensing Reconstruction Using Subspace-Based Nonlocal Tensor Ring Decomposition. IEEE Transactions on Image Processing, 2020, 29, 6813-6828.	6.0	47

#	Article	IF	Citations
19	Guided Deep Decoder: Unsupervised Image Pair Fusion. Lecture Notes in Computer Science, 2020, , 87-102.	1.0	45
20	Weighted Sparse Graph Based Dimensionality Reduction for Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 686-690.	1.4	44
21	Superpixel-based spatial-spectral dimension reduction for hyperspectral imagery classification. Neurocomputing, 2019, 360, 138-150.	3.5	40
22	Hyperspectral Image Denoising Using Factor Group Sparsity-Regularized Nonconvex Low-Rank Approximation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	38
23	Unmixing Convolutional Features for Crisp Edge Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6602-6609.	9.7	37
24	Fast Hyperspectral Image Recovery of Dual-Camera Compressive Hyperspectral Imaging via Non-Iterative Subspace-Based Fusion. IEEE Transactions on Image Processing, 2021, 30, 7170-7183.	6.0	31
25	Double Low-Rank Matrix Decomposition for Hyperspectral Image Denoising and Destriping. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	2.7	22
26	Hyperspectral and Multispectral Image Fusion Using Factor Smoothed Tensor Ring Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	19
27	Illumination Invariant Hyperspectral Image Unmixing Based on a Digital Surface Model. IEEE Transactions on Image Processing, 2020, 29, 3652-3664.	6.0	18
28	Breaking Limits of Remote Sensing by Deep Learning From Simulated Data for Flood and Debris-Flow Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	17
29	Unsupervised Spectral–Spatial Semantic Feature Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	16
30	A Gather-to-Guide Network for Remote Sensing Semantic Segmentation of RGB and Auxiliary Image. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	13
31	Robust Nonlocal Low-Rank SAR Time Series Despeckling Considering Speckle Correlation by Total Variation Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7942-7954.	2.7	12
32	Integrating Geovisual Analytics with Machine Learning for Human Mobility Pattern Discovery. ISPRS International Journal of Geo-Information, 2019, 8, 434.	1.4	10
33	Total-variation-regularized Tensor Ring Completion for Remote Sensing Image Reconstruction. , 2019, , .		4
34	A noise-adjusted iterative randomized singular value decomposition method for hyperspectral image denoising. , 2014, , .		3
35	Hyperspectral unmixing using total variation regularized reweighted sparse non-negative matrix factorization. , 2016, , .		3
36	Weighted Group Sparsity Regularized Low-Rank Tensor Decomposition for Hyperspectral Image Restoration. , 2019, , .		3

#	Article	IF	Citations
37	Interactive visual analytics of moving passenger flocks using massive smart card data. Cartography and Geographic Information Science, 0, , 1-16.	1.4	2
38	Multiyear Automated Mapping and Price Analysis of Garlic in Main Planting Areas of China Using Time-Series Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5222-5233.	2.3	2