

Moussa Sofiane Karoui

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

358
citations

1478280

6
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1281743

11
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71
all docs

71
docs citations

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times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Blind spatial unmixing of multispectral images: New methods combining sparse component analysis, clustering and non-negativity constraints. <i>Pattern Recognition</i> , 2012, 45, 4263-4278.	5.1	39
2	Hypersharpener by Joint-Criterion Nonnegative Matrix Factorization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1660-1670.	2.7	35
3	Partial Linear NMF-Based Unmixing Methods for Detection and Area Estimation of Photovoltaic Panels in Urban Hyperspectral Remote Sensing Data. <i>Remote Sensing</i> , 2019, 11, 2164.	1.8	32
4	Hyperspectral Imagery for Environmental Urban Planning. , 2018, , .		22
5	Optical Remote Sensing Change Detection Through Deep Siamese Network. , 2018, , .		10
6	Improving Hyperspectral Image Classification by Combining Spectral and Multiband Compact Texture Features. , 2019, , .		10
7	Unsupervised hyperspectral band selection by combination of unmixing and sequential clustering techniques. <i>European Journal of Remote Sensing</i> , 2019, 52, 30-39.	1.7	10
8	A new spatial sparsity-based method for extracting endmember spectra from hyperspectral data with some pure pixels. , 2012, , .		9
9	Blind unmixing of remote sensing data with some pure pixels: Extension and comparison of spatial methods exploiting sparsity and nonnegativity properties. , 2013, , .		8
10	Pansharpening multispectral remote sensing data by multiplicative joint nonnegative matrix factorization. <i>International Journal of Remote Sensing</i> , 2016, 37, 805-818.	1.3	8
11	Detection And Area Estimation For Photovoltaic Panels In Urban Hyperspectral Remote Sensing Data By An Original Nmf-Based Unmixing Method. , 2018, , .		8
12	Improvement of remote sensing multispectral image classification by using Independent Component Analysis. , 2009, , .		7
13	Palm Trees Counting in Remote Sensing Imagery Using Regression Convolutional Neural Network. , 2018, , .		7
14	An NMF-Based Approach for Hyperspectral Unmixing Using a New Multiplicative-tuning Linear Mixing Model to Address Spectral Variability. , 2019, , .		7
15	Hyperspectral Unmixing Based on Constrained Bilinear or Linear-Quadratic Matrix Factorization. <i>Remote Sensing</i> , 2021, 13, 2132.	1.8	7
16	Joint nonnegative matrix factorization for hyperspectral and multispectral remote sensing data fusion. , 2013, , .		6
17	Hyperspectral data multi-sharpener based on linear-quadratic nonnegative matrix factorization. , 2015, , .		6
18	Hypersharpener by an NMF-Unmixing-Based Method Addressing Spectral Variability. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	6

#	ARTICLE	IF	CITATIONS
19	Hyperspectral and multispectral data fusion based on linear-quadratic nonnegative matrix factorization. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 025008.	0.6	5
20	A Penalization-Based NMF Approach for Hyperspectral Unmixing Addressing Spectral Variability with an Additively-Tuned Mixing Model. , 2021, , .		5
21	Unsupervised Hyperspectral Band Selection By Sequentially Clustering A Mahalanobis-Based Dissimilarity Of Spectrally Variable Endmembers. , 2020, , .		5
22	Hyperspectral endmember spectra extraction based on constrained linear-quadratic matrix factorization using a projected gradient method. , 2016, , .		4
23	Classification of Quickbird imagery over urban area using convolutional neural network. , 2017, , .		4
24	Modified nonnegative matrix factorization for endmember spectra extraction from highly mixed hyperspectral images combined with multispectral data. , 2017, , .		4
25	Unsupervised Hyperspectral Band Selection by Sequential Clustering. , 2017, , .		4
26	Transfer Learning for Changes Detection in Optical Remote Sensing Imagery. , 2019, , .		4
27	Very High Resolution Image Scene Classification with Capsule Network. , 2019, , .		4
28	Detecting And Mapping Kaolinite In The Algerian Central Hoggar With A Partial Linear Nmf-Based Unmixing Method. , 2020, , .		4
29	Multibranch Cnn-Based Pansharpening With Skip Connection. , 2020, , .		4
30	Bi-Directional LSTM Model For Classification Of Vegetation From Satellite Time Series. , 2020, , .		4
31	Gradient-Based NMF Methods for Hyperspectral Unmixing Addressing Spectral Variability with a Multiplicative-Tuning Linear Mixing Model. , 2021, , .		4
32	An Informed NMF-Based Unmixing Approach for Mineral Detection and Mapping in the Algerian Central Hoggar Using PRISMA Remote Sensing Hyperspectral Data. , 2021, , .		4
33	An NMF-Based Method For Hyperspectral Unmixing Using A Structured Additively-Tuned Linear Mixing Model To Address Spectral Variability. , 2020, , .		4
34	Spectral Unmixing Based Approach for Measuring Gas Flaring from VIIRS NTL Remote Sensing Data: Case of the Flare FIT-M8-101A-1U, Algeria. <i>Remote Sensing</i> , 2022, 14, 2305.	1.8	4
35	Extraction of stellar spectra from dense fields in hyperspectral muse data cubes using non-negative matrix factorization. , 2011, , .		3
36	Linear spectral unmixing-based method including extended nonnegative matrix factorization for pan-sharpening multispectral remote sensing images. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
37	A new multiplicative nonnegative matrix factorization method for unmixing hyperspectral images combined with multispectral data. , 2017, , .		3
38	A New Unmixing-Based Approach for Shadow Correction of Hyperspectral Remote Sensing Data. , 2018, , .		3
39	A New Public Alsat-2B Dataset for Single-Image Super-Resolution. , 2021, , .		3
40	A pixel-by-pixel NMF-based method for hyperspectral unmixing using a new linear mixing model to address additively-tuned spectral variability. , 2019, , .		3
41	Contribution of non-negative matrix factorization to the classification of remote sensing images. , 2008, , .		2
42	Hyperspectral image unmixing by non-negative matrix factorization initialized with modified independent component analysis. , 2013, , .		2
43	Local hyperspectral data multisharpening based on linear/linear-quadratic nonnegative matrix factorization by integrating lidar data. Proceedings of SPIE, 2015, , .	0.8	2
44	Bilinear matrix factorization using a gradient method for hyperspectral endmember spectra extraction. , 2016, , .		2
45	Multi-sharpening hyperspectral remote sensing data by Multiplicative Joint-Criterion Linear-Quadratic Nonnegative Matrix Factorization. , 2017, , .		2
46	Transferring Super Resolution Convolutional Neural Network For Remote Sensing Data Sharpening. , 2018, , .		2
47	Enhancing the Classification of Remote Sensing Data Using Multiband Compact Texture Unit Descriptor and Deep Convolutional Neural Network. , 2018, , .		2
48	A Dense Vector Matching Approach for Band to Band Registration of Alsat-2 Images. , 2018, , .		2
49	A Comparative Study of Star Detection Methods for a Satellite-Onboard Star Tracker. , 2019, , .		2
50	Hyperspectral Oceanic Remote Sensing With Adjacency Effects: From Spectral-Variability-Based Modeling To Performance Of Associated Blind Unmixing Methods. , 2019, , .		2
51	An Unmixing-Based Change Detection Approach for Multiresolution Remote Sensing Images. , 2019, , .		2
52	Blind Unmixing of Hyperspectral Remote Sensing Data: A New Geometrical Method Based on a Two-Source Sparsity Constraint. Remote Sensing, 2020, 12, 3198.	1.8	2
53	A Linear NMF-Unmixing-Based Approach Addressing Spectral Variability For Shadow Compensation In Hyperspectral Remote Sensing Data. , 2020, , .		2
54	Hypersharpener by a Multiplicative Joint-Criterion NMF Method Addressing Spectral Variability. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
55	A New Fully Constrained Least Squares-Based Fusion Approach of Optical, Thermal, and SAR Remote Sensing Data for Soil Moisture Content Estimation. , 2021, , .		2
56	Modified independent component analysis for initializing non-negative matrix factorization: An approach to hyperspectral image unmixing. , 2013, , .		1
57	Joint spatial variables nonnegative matrix factorization using constrained gradient method to pansharpen multispectral images. , 2016, , .		1
58	Bilinear Matrix Factorization using a Gradient Method for Unmixing Hyperspectral Images Combinedc with Multispectral Data. , 2018, , .		1
59	Linear-Quadratic NMF-Based Urban Hyperspectral Data Unmixing With Some Known Endmembers. , 2018, , .		1
60	Monitoring And Estimation of The Sustainable Development Goal “Fifteen- By Remote Sensing Tools, Assessment of Change in Land Cover (Sub-Indicator 15.3.1), Case of Algeria. , 2020, , .		1
61	MULTISPECTRAL AND PANCHROMATIC REGISTRATION OF ALSAT-2 IMAGES USING DENSE VECTOR MATCHING FOR PAN-SHARPENING PROCESS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 149-153.	0.2	1
62	Spatial sparsity-based blind source separation method including non-negative matrix factorization for multispectral image unmixing. , 2011, , .		0
63	Pansharpening remotely sensed data by using nonnegative matrix factorization and spectral-spatial degradation models. Proceedings of SPIE, 2016, , .	0.8	0
64	IEEE GRSS Algeria Chapter Activities and Perspectives [Chapters]. IEEE Geoscience and Remote Sensing Magazine, 2019, 7, 174-177.	4.9	0
65	Gradient-Based Joint-Variables Nonnegative Matrix Factorization for Multi-Sharpener Hyperspectral Remote Sensing Data. , 2019, , .		0
66	Extraction of a Specific Land-Cover Class from Very High Spatial Resolution Imagery Using Positive and Unlabeled Learning with Convolutional Neural Networks. , 2019, , .		0
67	Low Resolutions Linear Unmixing-Nmf-Based Change Detection Approaches for Multiresolution Remote Sensing Data. , 2020, , .		0
68	End-to-End Change Detection in Satellite Remote Sensing Imagery. , 2021, , .		0
69	One-dimensional convolution neural networks for object-based feature selection. , 2018, , .		0
70	Spectral unmixing using minimum volume constrained Kullback-Leibler divergence. Journal of Applied Remote Sensing, 2020, 14, 1.	0.6	0
71	A new star detection algorithm based on the combination of thresholding and filtering technique. , 2022, , .		0