

Konstantinos D Koutroumbas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A new stochastic gradient descent possibilistic clustering algorithm. <i>AI Communications</i> , 2022, 35, 47-64.	1.2	4
2	Automated Detection of Chromospheric Swirls Based on Their Morphological Characteristics. <i>Solar Physics</i> , 2021, 296, 1.	2.5	6
3	A Probabilistic Clustering Approach for Detecting Linear Structures in Two-Dimensional Spaces. <i>Pattern Recognition and Image Analysis</i> , 2021, 31, 671-687.	1.0	2
4	Online Reweighted Least Squares Robust PCA. <i>IEEE Signal Processing Letters</i> , 2020, 27, 1340-1344.	3.6	5
5	Spectral Unmixing for Mapping a Hydrothermal Field in a Volcanic Environment Applied on ASTER, Landsat-8/OLI, and Sentinel-2 MSI Satellite Multispectral Data: The Nisyros (Greece) Case Study. <i>Remote Sensing</i> , 2020, 12, 4180.	4.0	11
6	Alternating Iteratively Reweighted Least Squares Minimization for Low-Rank Matrix Factorization. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 490-503.	5.3	22
7	Introducing Sparsity in Possibilistic Clustering: A Unified Framework and a Line Detection Paradigm. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 2886-2898.	9.8	3
8	On the Convergence of the Sparse Possibilistic C-Means Algorithm. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 324-337.	9.8	21
9	Classification of Sentinel-2 Images Utilizing Abundance Representation. <i>Proceedings (mdpi)</i> , 2018, 2, 328.	0.2	8
10	Application of Spectral Unmixing on Hyperspectral Data of the Historic Volcanic Products of Mt. Etna (Italy). <i>Proceedings (mdpi)</i> , 2018, 2, 329.	0.2	1
11	A Computationally Efficient Tensor Completion Algorithm. <i>IEEE Signal Processing Letters</i> , 2018, 25, 1266-1270.	3.6	5
12	Generalized Adaptive Possibilistic C-Means Clustering Algorithm. , 2018, , .		3
13	Spectral Unmixing-Based Clustering of High-Spatial Resolution Hyperspectral Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 3711-3721.	4.9	5
14	Variational Bayes Group Sparse Time-Adaptive Parameter Estimation With Either Known or Unknown Sparsity Pattern. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 3194-3206.	5.3	7
15	Sparsity-Aware Possibilistic Clustering Algorithms. <i>IEEE Transactions on Fuzzy Systems</i> , 2016, 24, 1611-1626.	9.8	26
16	A Novel Adaptive Possibilistic Clustering Algorithm. <i>IEEE Transactions on Fuzzy Systems</i> , 2016, 24, 791-810.	9.8	51
17	Piecewise Linear Curve Approximation Using Graph Theory and Geometrical Concepts. <i>IEEE Transactions on Image Processing</i> , 2012, 21, 3877-3887.	9.8	2
18	A Novel Spectral Index for Identifying Ferronickel (Fe-Ni) Laterites from Sentinel 2 Satellite Data. <i>Natural Resources Research</i> , 0, , .	4.7	1