

# Claude Cariou

## List of Publications by Citations

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33  
papers

307  
citations

8  
h-index

17  
g-index

38  
ext. papers

363  
ext. citations

3.2  
avg, IF

3.56  
L-index

#	Paper	IF	Citations
33	BandClust: An Unsupervised Band Reduction Method for Hyperspectral Remote Sensing. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2011</b> , 8, 565-569	4.1	62
32	Symbol and character recognition: application to engineering drawings. <i>International Journal on Document Analysis and Recognition</i> , <b>2000</b> , 3, 89-101	3.8	53
31	Assessing the performance of two unsupervised dimensionality reduction techniques on hyperspectral APEX data for high resolution urban land-cover mapping. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2014</b> , 87, 166-179	11.8	47
30	Unsupervised Nearest Neighbors Clustering With Application to Hyperspectral Images. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2015</b> , 9, 1105-1116	7.5	40
29	Pixel classification of large-size hyperspectral images by affinity propagation. <i>Journal of Applied Remote Sensing</i> , <b>2014</b> , 8, 083567	1.4	16
28	Automatic Georeferencing of Airborne Pushbroom Scanner Images With Missing Ancillary Data Using Mutual Information. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2008</b> , 46, 1290-1300	8.1	14
27	Unsupervised texture segmentation/classification using 2-D autoregressive modeling and the stochastic expectation-maximization algorithm. <i>Pattern Recognition Letters</i> , <b>2008</b> , 29, 905-917	4.7	13
26	A new k-nearest neighbor density-based clustering method and its application to hyperspectral images <b>2016</b> ,		12
25	Improving K-Nearest Neighbor Approaches for Density-Based Pixel Clustering in Hyperspectral Remote Sensing Images. <i>Remote Sensing</i> , <b>2020</b> , 12, 3745	5	7
24	Combination of Invariant Pattern Recognition Primitives on Technical Documents. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 238-245	0.9	7
23	Minimax Bridgeness-Based Clustering for Hyperspectral Data. <i>Remote Sensing</i> , <b>2020</b> , 12, 1162	5	6
22	Nearest neighbor-density-based clustering methods for large hyperspectral images <b>2017</b> ,		4
21	Directional Wave Spectra Estimation in a Marginal Ice Zone Using Linear Prediction. <i>Journal of Physical Oceanography</i> , <b>1992</b> , 22, 196-206	2.4	3
20	Learning or assessment of classification algorithms relying on biased ground truth data: what interest?. <i>Journal of Applied Remote Sensing</i> , <b>2019</b> , 13, 1	1.4	3
19	Hyperspectral image segmentation using a cooperative nonparametric approach <b>2013</b> ,		2
18	Fully automated mosaicking of pushbroom aerial imagery. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , <b>2008</b> ,	1.6	2
17	Gravitational transform for data clustering - application to multicomponent image classification		2

16	Non Parametric Stochastic Expectation Maximization for Data Clustering. <i>Communications in Computer and Information Science</i> , <b>2008</b> , 293-303	0.3	2
15	Basic Elements of 2-D Signal Processing17-64		2
14	<b>2020</b> ,		1
13	Dense registration of CHRIS-Proba and Ikonos images using multi-dimensional mutual information maximization <b>2013</b> ,		1
12	Stable and unsupervised fuzzy C-means method and its validation in the context of multicomponent images. <i>Journal of Electronic Imaging</i> , <b>2015</b> , 24, 061117	0.7	1
11	Semi-Rigid Registration of Remote Sensing Airborne Scanner Images		1
10	A MULTISCALE AND MULTIORIENTATION RECOGNITION TECHNIQUE APPLIED TO DOCUMENT INTERPRETATION: APPLICATION TO THE FRENCH TELEPHONE NETWORK MAPS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>1999</b> , 13, 1201-1218	1.1	1
9	A Novel Mean-Shift Algorithm for Data Clustering. <i>IEEE Access</i> , <b>2022</b> , 10, 14575-14585	3.5	1
8	A Scale and Rotation Parameters Estimator Application to Technical Document Interpretation. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 266-272	0.9	1
7	Application of unsupervised nearest-neighbor density-based approaches to sequential dimensionality reduction and clustering of hyperspectral images <b>2018</b> ,		1
6	Parameter-Free Density Estimation for Hyperspectral Image Clustering <b>2018</b> ,		1
5	Hierarchical Unsupervised Partitioning of Large Size Data and Its Application to Hyperspectral Images. <i>Remote Sensing</i> , <b>2021</b> , 13, 4874	5	0
4	Processing of the Connected Shapes in Raster-to-Vector Conversion Process. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 28-35	0.9	
3	Character Recognition, Orientation, and Scale Estimation Thanks to the Fourier Mellin Transform. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 472-481	0.9	
2	2-D Linear Stochastic Modeling65-114		
1	2-D Spectral Analysis115-174		