Mario R Caetano

List of Publications by Year
in descending order

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48 papers	1,723 citations	516561 16 h-index	377752 34 g-index
48 all docs	48 docs citations	48 times ranked	2153 citing authors

#	Article	IF	Citations
1	Automatic detection of vegetation cover changes in urban-rural interface areas. MethodsX, 2022, 9, 101643.	0.7	1
2	Uncovering Vegetation Changes in the Urbanâ€“Rural Interface through Semi-Automatic Methods. Applied Sciences (Switzerland), 2022, 12, 2294.	1.3	3
3	Spatially Stratified and Multi-Stage Approach for National Land Cover Mapping Based on Sentinel-2 Data and Expert Knowledge. Remote Sensing, 2022, 14, 1865.	1.8	12
4	Recent Advances in Forest Insect Pests and Diseases Monitoring Using UAV-Based Data: A Systematic Review. Forests, 2022, 13, 911.	0.9	38
5	Data fusion approach for eucalyptus trees identification. International Journal of Remote Sensing, 2021, 42, 4087-4109.	1.3	10
6	BigEarthNet-MM: A Large-Scale, Multimodal, Multilabel Benchmark Archive for Remote Sensing Image Classification and Retrieval [Software and Data Sets]. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 174-180.	4.9	73
7	Exploring the Potential of Sentinel-2 Data for Tree Crown Mapping in Oak Agro-Forestry Systems. , 2021, , .		1
8	Remotely Sensed Data Fusion for Spatiotemporal Geostatistical Analysis of Forest Fire Hazard. Sensors, 2020, 20, 5014.	2.1	20
9	Harmonization of categorical maps by alignment processes and thematic consistency analysis. AIMS Geosciences, 2020, 6, 473-490.	0.4	1
10	Ratio of Land Consumption Rate to Population Growth Rateâ€”Analysis of Different Formulations Applied to Mainland Portugal. ISPRS International Journal of Geo-Information, 2019, 8, 10.	1.4	46
11	Land Cover Mapping from Remotely Sensed and Auxiliary Data for Harmonized Official Statistics. ISPRS International Journal of Geo-Information, 2018, 7, 157.	1.4	22
12	Characterizing the relationship between land use land cover change and land surface temperature. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 124, 119-132.	4.9	401
13	Improving specific class mapping from remotely sensed data by cost-sensitive learning. International Journal of Remote Sensing, 2017, 38, 3294-3316.	1.3	11
14	Specific Land Cover Class Mapping by Semi-Supervised Weighted Support Vector Machines. Remote Sensing, 2017, 9, 181.	1.8	15
15	A spatiotemporal analysis of droughts and the influence of North Atlantic Oscillation in the Iberian Peninsula based on MODIS imagery. Theoretical and Applied Climatology, 2016, 124, 703-721.	1.3	22
16	Land Cover Mapping Analysis and Urban Growth Modelling Using Remote Sensing Techniques in Greater Cairo Regionâ€”Egypt. ISPRS International Journal of Geo-Information, 2015, 4, 1750-1769.	1.4	139
17	Assessing the impacts of human uncertainty in the accuracy assessment of land-cover maps using linguistic scales and fuzzy intervals. International Journal of Remote Sensing, 2015, 36, 2524-2547.	1.3	4
18	Effects of green space spatial pattern on land surface temperature: Implications for sustainable urban planning and climate change adaptation. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 89, 59-66.	4.9	326

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19	Combining per-pixel and object-based classifications for mapping land cover over large areas. International Journal of Remote Sensing, 2014, 35, 738-753.	1.3	28
20	Incorporating the uncertainty of linguistic-scale reference data to assess accuracy of land-cover maps using fuzzy intervals. International Journal of Remote Sensing, 2013, 34, 4008-4024.	1.3	5
21	The application of uncertainty measures in the training and evaluation of supervised classifiers. International Journal of Remote Sensing, 2012, 33, 2851-2867.	1.3	2
22	A multi-scenario forecast of urban change: A study on urban growth in the Algarve. Landscape and Urban Planning, 2012, 104, 201-211.	3.4	108
23	Urban heritage endangerment at the interface of future cities and past heritage: A spatial vulnerability assessment. Habitat International, 2012, 36, 287-294.	2.3	45
24	A multi-level spatial urban pressure analysis of the Giza pyramid plateau in Egypt. Journal of Heritage Tourism, 2011, 6, 99-108.	1.6	14
25	Trapped between antiquity and urbanism â€“ a multi-criteria assessment model of the greater Cairo Metropolitan area. Journal of Land Use Science, 2011, 6, 283-299.	1.0	14
26	Multitemporal MERIS images for land-cover mapping at a national scale: a case study of Portugal. International Journal of Remote Sensing, 2010, 31, 2063-2082.	1.3	12
27	Evaluation of soft possibilistic classifications with non-specificity uncertainty measures. International Journal of Remote Sensing, 2010, 31, 5199-5219.	1.3	2
28	A Nonlinear Harmonic Model for Fitting Satellite Image Time Series: Analysis and Prediction of Land Cover Dynamics. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 1919-1930.	2.7	38
29	Using Uncertainty Information to Combine Soft Classifications. Lecture Notes in Computer Science, 2010, , 455-463.	1.0	2
30	Incorporating reference classification uncertainty into the analysis of land cover accuracy. International Journal of Remote Sensing, 2009, 30, 5309-5321.	1.3	11
31	Assessment of the state of conservation of buildings through roof mapping using very high spatial resolution images. Construction and Building Materials, 2009, 23, 2795-2802.	3.2	9
32	A method to incorporate uncertainty in the classification of remote sensing images. International Journal of Remote Sensing, 2009, 30, 5489-5503.	1.3	18
33	Contribution of multispectral and multitemporal information from MODIS images to land cover classification. Remote Sensing of Environment, 2008, 112, 986-997.	4.6	155
34	Information Extraction for Forest Fires Management. Studies in Computational Intelligence, 2008, , 295-312.	0.7	2
35	A reference sample database for the accuracy assessment of medium spatial resolution land cover products in Portugal. , 2007, , .		2
36	Retrieving land cover information from MERIS and MODIS Data: a comparative study for landscape characterization in Portugal. , 2007, , .		1

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37	Evaluation of ASAR and optical data synergy for high resolution land cover mapping in portugal. , 2007, , .		1
38	An approach for land cover mapping with multi-temporal MERIS imagery. , 2007, , .		2
39	Rule-based generalization of satellite-derived raster thematic maps. , 2003, , .		1
40	Fire risk mapping using satellite imagery and ancillary data: towards operationality. , 2003, 4879, 154.		3
41	<title>Detection of potential illegal changes on forest burned areas with vegetation indices and map algebra</title>. , 2001, 4171, 166.		0
42	An analytical hybrid GORT model for bidirectional reflectance over discontinuous plant canopies. IEEE Transactions on Geoscience and Remote Sensing, 1999, 37, 987-999.	2.7	93
43	Comparative study of vegetation indices to assess land cover change after forest fires. , 1999, , .		5
44	Evaluation of the importance of nonlinear spectral mixing in coniferous forests. , 1998, 3499, 257.		0
45	Forest understory characterization at regional levels with satellite data: a conceptual approach. , 1998, 3499, 245.		0
46	<title>Mapping shrublands and forests with multispectral satellite images based on spectral unmixing of scene components</title>. Proceedings of SPIE, 1997, , .	0.8	0
47	<title>Analysis of the integrated (overstory/background) hyperspectral response of pine stands</title>. , 1997, , .		0
48	<title>Effect of the understory on the estimation of coniferous forest leaf area index (LAI) based on remotely sensed data</title>. , 1996, 2955, 63.		5