Sandra I N Heleno

List of Publications by Year
in descending order

29 papers	700 citations	623734 14 h-index	677142 22 g-index
29 all docs	29 docs citations	29 times ranked	920 citing authors

#	Article	IF	Citations
1	A past giant lateral collapse and present-day flank instability of Fogo, Cape Verde Islands. Journal of Volcanology and Geothermal Research, 1999, 94, 191-218.	2.1	148
2	Separation Between Water and Land in SAR Images Using Region-Based Level Sets. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 471-475.	3.1	102
3	Persistent Scatterers Interferometry detects and measures ground subsidence in Lisbon. Remote Sensing of Environment, 2011, 115, 2152-2167.	11.0	86
4	Monitoring recent changes of vegetation in Fildes Peninsula (King George Island, Antarctica) through satellite imagery guided by UAV surveys. Science of the Total Environment, 2020, 704, 135295.	8.0	50
5	Fogo Volcano, Cape Verde Islands: seismicity-derived constraints on the mechanism of the 1995 eruption. Journal of Volcanology and Geothermal Research, 1999, 94, 219-231.	2.1	39
6	Comparison and cross-checking of historical, archaeological and geological evidence for the location and type of historical and sub-historical eruptions of multiple-vent oceanic island volcanoes. Geological Society Special Publication, 2000, 171, 281-306.	1.3	33
7	Semiautomated object-based classification of rain-induced landslides with VHR multispectral images on Madeira Island. Natural Hazards and Earth System Sciences, 2016, 16, 1035-1048.	3.6	30
8	Large Holocene Earthquakes in the Lower Tagus Valley Fault Zone, Central Portugal. Seismological Research Letters, 2012, 83, 67-76.	1.9	24
9	Multiparameter monitoring of Fogo Island, Cape Verde, for volcanic risk mitigation. Journal of Volcanology and Geothermal Research, 2003, 125, 39-56.	2.1	23
10	The 20 February 2010 Madeira Island flash-floods: VHR satellite imagery processing in support of landslide inventory and sediment budget assessment. Natural Hazards and Earth System Sciences, 2013, 13, 709-719.	3.6	21
11	Seasonal tropospheric influence on SAR interferograms near the ITCZ â€" The case of Fogo Volcano and Mount Cameroon. Journal of African Earth Sciences, 2010, 58, 833-856.	2.0	20
12	Observations of high-frequency harmonic tremor in Fogo, Cape Verde Islands. Journal of Volcanology and Geothermal Research, 2006, 158, 361-379.	2.1	17
13	Hydroacoustic detection of volcanic ocean-island earthquakes. Geophysical Journal International, 2006, 167, 1529-1536.	2.4	16
14	The Eastern Lower Tagus Valley Fault Zone in central Portugal: Active faulting in a low-deformation region within a major river environment. Tectonophysics, 2015, 660, 117-131.	2.2	16
15	Assessment of the Influence of Survey Design and Processing Choices on the Accuracy of Tree Diameter at Breast Height (DBH) Measurements Using UAV-Based Photogrammetry. Drones, 2021, 5, 43.	4.9	13
16	Water/land segmentation in SAR images using level sets. , 2008, , .		12
17	Systematic InSAR monitoring of African active volcanic zones: What we have learned in three years, or an harvest beyond our expectations. , 2008, , .		10
18	Automatic detection of landslide features with remote sensing techniques: Application to Madeira Island. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
19	Methodology to Combine Topography and Bathymetry Data Sets for Hydrodynamic Simulations: Case of Tagus River. Journal of Surveying Engineering, - ASCE, 2016, 142, 05016005.	1.7	7
20	Detection and Delineation of Sorted Stone Circles in Antarctica. Remote Sensing, 2020, 12, 160.	4.0	7
21	Evidence of Surface Rupture Associated With Historical Earthquakes in the Lower Tagus Valley, Portugal. Implications for Seismic Hazard in the Greater Lisbon Area. Frontiers in Earth Science, 2021, 9, .	1.8	4
22	Classification of water regions in SAR images using level sets and non-parametric density estimation. , 2009, , .		3
23	OBIA Flood Delimitation Assisted by Threshold Determination with Principal Component Analysis. Photogrammetric Engineering and Remote Sensing, 2014, 80, 551-557.	0.6	3
24	Segmentation of SAR images using textons. , 2014, , .		2
25	Texton-Based Ensemble Classification of Landslide Source and Transport Areas in VHR Imagery. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1787-1791.	3.1	2
26	Detection of Stone Circles in Periglacial Regions of Antarctica in UAV Datasets. Lecture Notes in Computer Science, 2019, , 279-288.	1.3	2
27	Assessment of supervised methods for mapping rainfall induced landslides in VHR images. , 2015, , .		1
28	Using simplified bathymetry and SAR imagery in the validation of a hydraulic model for the Tagus River floodplain. Journal of Coastal Research, 2016, 75, 13-17.	0.3	1
29	Reconstruction of the 2014-2015 FOGO Volcano (Cape Verde) Eruption Through Thermal Remotely Sensed Imagery. , 2019, , .		0