

# Sandra I N Heleno

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Evidence of Surface Rupture Associated With Historical Earthquakes in the Lower Tagus Valley, Portugal. Implications for Seismic Hazard in the Greater Lisbon Area. <i>Frontiers in Earth Science</i> , 2021, 9, .         | 1.8  | 4         |
| 2  | 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. <i>Drones</i> , 2021, 5, 43.                      | 4.9  | 13        |
| 3  | Detection and Delineation of Sorted Stone Circles in Antarctica. <i>Remote Sensing</i> , 2020, 12, 160.  | 4.0  | 7         |
| 4  | Monitoring recent changes of vegetation in Fildes Peninsula (King George Island, Antarctica) through satellite imagery guided by UAV surveys. <i>Science of the Total Environment</i> , 2020, 704, 135295.                 | 8.0  | 50        |
| 5  | Reconstruction of the 2014-2015 FOGO Volcano (Cape Verde) Eruption Through Thermal Remotely Sensed Imagery. , 2019, , .  |      | 0         |
| 6  | Detection of Stone Circles in Periglacial Regions of Antarctica in UAV Datasets. <i>Lecture Notes in Computer Science</i> , 2019, , 279-288.   | 1.3  | 2         |
| 7  | Semiautomated object-based classification of rain-induced landslides with VHR multispectral images on Madeira Island. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 1035-1048.                              | 3.6  | 30        |
| 8  | Methodology to Combine Topography and Bathymetry Data Sets for Hydrodynamic Simulations: Case of Tagus River. <i>Journal of Surveying Engineering, - ASCE</i> , 2016, 142, 05016005.                                       | 1.7  | 7         |
| 9  | Using simplified bathymetry and SAR imagery in the validation of a hydraulic model for the Tagus River floodplain. <i>Journal of Coastal Research</i> , 2016, 75, 13-17.   | 0.3  | 1         |
| 10 | Texton-Based Ensemble Classification of Landslide Source and Transport Areas in VHR Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 1787-1791.  | 3.1  | 2         |
| 11 | Assessment of supervised methods for mapping rainfall induced landslides in VHR images. , 2015, , .  |      | 1         |
| 12 | The Eastern Lower Tagus Valley Fault Zone in central Portugal: Active faulting in a low-deformation region within a major river environment. <i>Tectonophysics</i> , 2015, 660, 117-131.                                   | 2.2  | 16        |
| 13 | Segmentation of SAR images using textons. , 2014, , .  |      | 2         |
| 14 | OBIA Flood Delimitation Assisted by Threshold Determination with Principal Component Analysis. <i>Photogrammetric Engineering and Remote Sensing</i> , 2014, 80, 551-557.  | 0.6  | 3         |
| 15 | The 20 February 2010 Madeira Island flash-floods: VHR satellite imagery processing in support of landslide inventory and sediment budget assessment. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 709-719. | 3.6  | 21        |
| 16 | Large Holocene Earthquakes in the Lower Tagus Valley Fault Zone, Central Portugal. <i>Seismological Research Letters</i> , 2012, 83, 67-76.  | 1.9  | 24        |
| 17 | Persistent Scatterers Interferometry detects and measures ground subsidence in Lisbon. <i>Remote Sensing of Environment</i> , 2011, 115, 2152-2167.  | 11.0 | 86        |
| 18 | Automatic detection of landslide features with remote sensing techniques: Application to Madeira Island. , 2011, , .   |      | 8         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Seasonal tropospheric influence on SAR interferograms near the ITCZ – The case of Fogo Volcano and Mount Cameroon. <i>Journal of African Earth Sciences</i> , 2010, 58, 833-856.  | 2.0 | 20        |
| 20 | Classification of water regions in SAR images using level sets and non-parametric density estimation. , 2009, , .   |     | 3         |
| 21 | Separation Between Water and Land in SAR Images Using Region-Based Level Sets. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009, 6, 471-475.  | 3.1 | 102       |
| 22 | Water/land segmentation in SAR images using level sets. , 2008, , .   |     | 12        |
| 23 | Systematic InSAR monitoring of African active volcanic zones: What we have learned in three years, or an harvest beyond our expectations. , 2008, , .   |     | 10        |
| 24 | Hydroacoustic detection of volcanic ocean-island earthquakes. <i>Geophysical Journal International</i> , 2006, 167, 1529-1536.  | 2.4 | 16        |
| 25 | Observations of high-frequency harmonic tremor in Fogo, Cape Verde Islands. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 158, 361-379.   | 2.1 | 17        |
| 26 | Multiparameter monitoring of Fogo Island, Cape Verde, for volcanic risk mitigation. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 125, 39-56.   | 2.1 | 23        |
| 27 | 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. <i>Geological Society Special Publication</i> , 2000, 171, 281-306. | 1.3 | 33        |
| 28 | A past giant lateral collapse and present-day flank instability of Fogo, Cape Verde Islands. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 94, 191-218.   | 2.1 | 148       |
| 29 | Fogo Volcano, Cape Verde Islands: seismicity-derived constraints on the mechanism of the 1995 eruption. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 94, 219-231.  | 2.1 | 39        |