

Susana Custodio

List of Publications by Year in descending order

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36
papers

930
citations

516710

16
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

1130
citing authors

#	ARTICLE	IF	CITATIONS
1	The Earthquakeâ€Source Inversion Validation (SIV) Project. <i>Seismological Research Letters</i> , 2016, 87, 690-708.	1.9	96
2	The 2004 Mw6.0 Parkfield, California, earthquake: Inversion of near-source ground motion using multiple data sets. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	79
3	Earthquakes in western Iberia: improving the understanding of lithospheric deformation in a slowly deforming region. <i>Geophysical Journal International</i> , 2015, 203, 127-145.	2.4	71
4	Constraining earthquake source inversions with GPS data: 1. Resolutionâ€based removal of artifacts. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	63
5	Dynamic modeling of the 2004 M _w 6.0 Parkfield, California, earthquake. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	60
6	Moment Tensor Resolvability: Application to Southwest Iberia. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 1235-1254.	2.3	60
7	Imaging active faulting in a region of distributed deformation from the joint clustering of focal mechanisms and hypocentres: Application to the Azoresâ€western Mediterranean region. <i>Tectonophysics</i> , 2016, 676, 70-89.	2.2	50
8	Waveform inversion of small-to-moderate earthquakes located offshore southwest Iberia. <i>Geophysical Journal International</i> , 2013, 192, 248-259.	2.4	40
9	Ambient Noise Recorded by a Dense Broadband Seismic Deployment in Western Iberia. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 2985-3007.	2.3	35
10	A common deep source for upper-mantle upwellings below the Ibero-western Maghreb region from teleseismic P-wave travel-time tomography. <i>Earth and Planetary Science Letters</i> , 2018, 499, 157-172.	4.4	32
11	Constraining earthquake source inversions with GPS data: 2. A twoâ€step approach to combine seismic and geodetic data sets. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	28
12	MOZART: A Seismological Investigation of the East African Rift in Central Mozambique. <i>Seismological Research Letters</i> , 2014, 85, 108-116.	1.9	27
13	Parkfield earthquakes: Characteristic or complementary?. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	25
14	Fast Kinematic Waveform Inversion and Robustness Analysis: Application to the 2007 Mw 5.9 Horseshoe Abyssal Plain Earthquake Offshore Southwest Iberia. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 361-376.	2.3	22
15	Thermal Nature of Mantle Upwellings Below the Iberoâ€Western Maghreb Region Inferred From Teleseismic Tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1781-1801.	3.4	21
16	Ambient noise tomography of the East African Rift in Mozambique. <i>Geophysical Journal International</i> , 2016, 204, 1565-1578.	2.4	20
17	An Active Seismic Zone in Intraplate West Iberia Inferred From Highâ€Resolution Geophysical Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2885-2907.	3.4	20
18	Robust features of the source process for the 2004 Parkfield, California, earthquake from strong-motion seismograms. <i>Geophysical Journal International</i> , 2012, , no-no.	2.4	15

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19	Seismotectonics of the Horseshoe Abyssal Plain and Gorringe Bank, eastern Atlantic Ocean: Constraints from ocean bottom seismometer data. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 63-78.	3.4	15
20	Dynamics of the Gibraltar Arc System: A Complex Interaction Between Plate Convergence, Slab Pull, and Mantle Flow. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018873.	3.4	15
21	The Role of the Seismically Slow Central-East Atlantic Anomaly in the Genesis of the Canary and Madeira Volcanic Provinces. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092874.	4.0	14
22	Geophysical evidence for a magmatic intrusion in the ocean-continent transition of the SW Iberia margin. <i>Tectonophysics</i> , 2018, 744, 118-133.	2.2	13
23	Response of Fogo volcano (Cape Verde) to lunisolar gravitational forces during the 2014-2015 eruption. <i>Physics of the Earth and Planetary Interiors</i> , 2021, 312, 106659.	1.9	13
24	Moment Tensor Resolution: Case Study of the Irpinia Seismic Network, Southern Italy. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 1348-1357.	2.3	12
25	Earthquake triggering in southeast Africa following the 2012 Indian Ocean earthquake. <i>Geophysical Journal International</i> , 2018, 212, 1331-1343.	2.4	9
26	Gravitational Potential Energy in Iberia: A Driver of Active Deformation in High-Topography Regions. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 10,277.	3.4	8
27	Seismicity of the Iberian Peninsula. <i>Regional Geology Reviews</i> , 2020, , 11-32.	1.2	8
28	Station COI: Dusting Off an Old Seismic Station. <i>Seismological Research Letters</i> , 2012, 83, 863-869.	1.9	7
29	The Portuguese National Seismic Network-Products and Services. <i>Seismological Research Letters</i> , 2021, 92, 1541-1570.	1.9	7
30	Educating for Earthquake Science and Risk in a Tectonically Slowly Deforming Region. <i>Seismological Research Letters</i> , 2016, 87, 773-782.	1.9	6
31	Imaging the crust and uppermost mantle structure of Portugal (West Iberia) with seismic ambient noise. <i>Geophysical Journal International</i> , 2022, 230, 1106-1120.	2.4	6
32	PRISM3D: a 3-D reference seismic model for Iberia and adjacent areas. <i>Geophysical Journal International</i> , 2021, 225, 789-810.	2.4	5
33	Erratum to Kinematic Inversion of the 2004 M 6.0 Parkfield Earthquake Including an Approximation to Site Effects. <i>Bulletin of the Seismological Society of America</i> , 2008, 98, 2101-2101.	2.3	4
34	Preface to the Focus Section on European Seismic Networks and Associated Services and Products. <i>Seismological Research Letters</i> , 2021, 92, 1483-1490.	1.9	4
35	Neuro-Fuzzy Kinematic Finite-Fault Inversion: 2. Application to the Mw6.2, August/24/2016, Amatrice Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020773.	3.4	3
36	Neuro-Fuzzy Kinematic Finite-Fault Inversion: 1. Methodology. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020770.	3.4	1