

Zacharie Duputel

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,996
citations

218677

26
h-index

214800

47
g-index

56
all docs

56
docs citations

56
times ranked

2828
citing authors

#	ARTICLE	IF	CITATIONS
1	Along-Dip Segmentation of the Slip Behavior and Rheology of the Copiapó Ridge Subducted in North-Central Chile. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5
2	Citizen seismology helps decipher the 2021 Haiti earthquake. <i>Science</i> , 2022, 376, 283-287.	12.6	25
3	Tracking dike propagation leading to the 2018 Kilauea eruption. <i>Earth and Planetary Science Letters</i> , 2021, 553, 116653.	4.4	12
4	Seismic and Aseismic Fault Slip During the Initiation Phase of the 2017 $M_w = 6.9$ Valparaíso Earthquake. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091916.	4.0	12
5	Rare Occurrences of Non-cascading Foreshock Activity in Southern California. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091757.	4.0	17
6	Seismicity of La Réunion island. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 237-255.	1.2	6
7	Interplay of seismic and a-seismic deformation during the 2020 sequence of Atacama, Chile. <i>Earth and Planetary Science Letters</i> , 2021, 570, 117081.	4.4	10
8	Impact of 3-D Earth structure on W-phase CMT parameters. <i>Geophysical Journal International</i> , 2020, 223, 1432-1445.	2.4	7
9	Interseismic Loading of Subduction Megathrust Drives Long-Term Uplift in Northern Chile. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085377.	4.0	33
10	The 2007 caldera collapse of Piton de la Fournaise volcano: Source process from very-long-period seismic signals. <i>Earth and Planetary Science Letters</i> , 2019, 527, 115786.	4.4	23
11	Impulsive Source of the 2017 $M_w = 7.3$ Ezgeleh, Iran, Earthquake. <i>Geophysical Research Letters</i> , 2019, 46, 5207-5216.	4.0	21
12	Constraining Spatiotemporal Characteristics of Magma Migration at Piton De La Fournaise Volcano From Pre-eruptive Seismicity. <i>Geophysical Research Letters</i> , 2019, 46, 119-127.	4.0	39
13	The Alland earthquake sequence in Eastern Austria: Shedding light on tectonic stress geometry in a key area of seismic hazard. <i>Austrian Journal of Earth Sciences</i> , 2019, 112, 182-194.	0.5	1
14	Revisiting the 1992 Landers earthquake: a Bayesian exploration of co-seismic slip and off-fault damage. <i>Geophysical Journal International</i> , 2018, 212, 839-852.	2.4	26
15	Deep Transient Slow Slip Detected by Survey GPS in the Region of Atacama, Chile. <i>Geophysical Research Letters</i> , 2018, 45, 12263-12273.	4.0	32
16	Strain budget of the Ecuador-Colombia subduction zone: A stochastic view. <i>Earth and Planetary Science Letters</i> , 2018, 498, 288-299.	4.4	22
17	Long-period analysis of the 2016 Kaikoura earthquake. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 265, 62-66.	1.9	79
18	Aseismic slip and seismogenic coupling in the Marmara Sea: What can we learn from onland geodesy?. <i>Geophysical Research Letters</i> , 2017, 44, 3100-3108.	4.0	25

#	ARTICLE	IF	CITATIONS
19	Regional Wâ€Phase Source Inversion for Moderate to Large Earthquakes in China and Neighboring Areas. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 10,052.	3.4	15
20	Depth varying rupture properties during the 2015 Mw 7.8 Gorkha (Nepal) earthquake. <i>Tectonophysics</i> , 2017, 714-715, 44-54.	2.2	40
21	Diverse rupture processes in the 2015 Peru deep earthquake doublet. <i>Science Advances</i> , 2016, 2, e1600581.	10.3	20
22	The 2015 Gorkha earthquake: A large event illuminating the Main Himalayan Thrust fault. <i>Geophysical Research Letters</i> , 2016, 43, 2517-2525.	4.0	93
23	Uncovering the hidden signature of a magmatic recharge at Piton de la Fournaise volcano using small earthquakes. <i>Geophysical Research Letters</i> , 2016, 43, 4255-4262.	4.0	47
24	Aseismic slip and seismogenic coupling along the central San Andreas Fault. <i>Geophysical Research Letters</i> , 2015, 42, 297-306.	4.0	123
25	The Iquique earthquake sequence of April 2014: Bayesian modeling accounting for prediction uncertainty. <i>Geophysical Research Letters</i> , 2015, 42, 7949-7957.	4.0	91
26	The 2013 Mw 7.7 Balochistan Earthquake: Seismic Potential of an Accretionary Wedge. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 1020-1030.	2.3	77
27	The 2013, Mw 7.7 Balochistan earthquake, energetic strike-slip reactivation of a thrust fault. <i>Earth and Planetary Science Letters</i> , 2014, 391, 128-134.	4.4	138
28	Accounting for prediction uncertainty when inferring subsurface fault slip. <i>Geophysical Journal International</i> , 2014, 197, 464-482.	2.4	128
29	Global S-wave tomography using receiver pairs: an alternative to get rid of earthquake mislocation. <i>Geophysical Journal International</i> , 2014, 199, 1043-1057.	2.4	2
30	Extracting seismic core phases with array interferometry. <i>Geophysical Research Letters</i> , 2013, 40, 1049-1053.	4.0	99
31	Using centroid time-delays to characterize source durations and identify earthquakes with unique characteristics. <i>Earth and Planetary Science Letters</i> , 2013, 374, 92-100.	4.4	78
32	The December 7, 2012 Japan Trench intraplate doublet (Mw 7.2, 7.1) and interactions between near-trench intraplate thrust and normal faulting. <i>Physics of the Earth and Planetary Interiors</i> , 2013, 220, 73-78.	1.9	44
33	Earthquake in a Maze: Compressional Rupture Branching During the 2012 <i>M</i> 8.6 Sumatra Earthquake. <i>Science</i> , 2012, 337, 724-726.	12.6	228
34	Real-time forecasting of the April 11, 2012 Sumatra tsunami. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	44
35	The 2012 Sumatra great earthquake sequence. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 247-257.	4.4	99
36	Anomalously steep dips of earthquakes in the 2011 Tohoku-Oki source region and possible explanations. <i>Earth and Planetary Science Letters</i> , 2012, 353-354, 121-133.	4.4	39

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37	W phase source inversion for moderate to large earthquakes (1990-2010). <i>Geophysical Journal International</i> , 2012, 189, 1125-1147.	2.4	177
38	Uncertainty estimations for seismic source inversions. <i>Geophysical Journal International</i> , 2012, 190, 1243-1256.	2.4	76
39	Structural control of collapse events inferred by self-potential mapping on the Piton de la Fournaise volcano (La Réunion Island). <i>Journal of Volcanology and Geothermal Research</i> , 2012, 209-210, 9-18.	2.1	28
40	Constraints on the long-period moment-dip tradeoff for the Tohoku earthquake. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	23
41	Structures and evolution of the plumbing system of Piton de la Fournaise volcano inferred from clustering of 2007 eruptive cycle seismicity. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 202, 96-106.	2.1	55
42	Real-time W phase inversion during the 2011 off the Pacific coast of Tohoku Earthquake. <i>Earth, Planets and Space</i> , 2011, 63, 535-539.	2.5	92
43	Improving the analysis and inversion of multimode Rayleigh-wave dispersion by using group-delay time information observed on arrays of high-frequency sensors. <i>Geophysics</i> , 2010, 75, R13-R20.	2.6	5
44	Monitoring of phreatic eruptions using Interferometry on Retrieved Cross-Correlation Function from Ambient Seismic Noise: Results from Mt. Ruapehu, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 191, 46-59.	2.1	91
45	Real time monitoring of relative velocity changes using ambient seismic noise at the Piton de la Fournaise volcano (La Réunion) from January 2006 to June 2007. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 184, 164-173.	2.1	107
46	Transient self-potential anomalies associated with recent lava flows at Piton de la Fournaise volcano (Réunion Island, Indian Ocean). <i>Journal of Volcanology and Geothermal Research</i> , 2009, 187, 158-166.	2.1	7
47	Towards forecasting volcanic eruptions using seismic noise. <i>Nature Geoscience</i> , 2008, 1, 126-130.	12.9	535