

Fabrice R Fontaine

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

622
citations

15
h-index

24
g-index

36
ext. papers

730
ext. citations

3.6
avg, IF

3.74
L-index

#	Paper	IF	Citations
35	Simplified simulation of rock avalanches and subsequent debris flows with a single thin-layer model: Application to the Prêcheur river (Martinique, Lesser Antilles). <i>Engineering Geology</i> , 2022 , 296, 106457	6	0
34	Prédire l'effondrement des cratères volcaniques. <i>Pour la science Fr</i> , 2021 , N° 519 - janvier, 54-62	0	
33	ReNovRisk: a multidisciplinary programme to study the cyclonic risks in the South-West Indian Ocean. <i>Natural Hazards</i> , 2021 , 107, 1191-1223	3	5
32	Cyclone Signatures in the South-West Indian Ocean from Two Decades of Microseismic Noise. <i>Atmosphere</i> , 2021 , 12, 488	2.7	2
31	Seismicity of La Réunion island. <i>Comptes Rendus - Geoscience</i> , 2021 , 353, 1-19	1.4	0
30	Nature of the crust beneath the islands of the Mozambique Channel: Constraints from receiver functions. <i>Journal of African Earth Sciences</i> , 2021 , 184, 104379	2.2	3
29	Assessing swells in La Réunion Island from terrestrial seismic observations, oceanographic records and offshore wave models. <i>Geophysical Journal International</i> , 2020 , 221, 1883-1895	2.6	5
28	Very- and ultra-long-period seismic signals prior to and during caldera formation on La Réunion Island. <i>Scientific Reports</i> , 2019 , 9, 8068	4.9	14
27	Large-scale flow of Indian Ocean asthenosphere driven by Réunion plume. <i>Nature Geoscience</i> , 2019 , 12, 1043-1049	18.3	12
26	SKS splitting in the Western Indian Ocean from land and seafloor seismometers: Plume, plate and ridge signatures. <i>Earth and Planetary Science Letters</i> , 2018 , 498, 169-184	5.3	12
25	Orienting ocean-bottom seismometers from P-wave and Rayleigh wave polarizations. <i>Geophysical Journal International</i> , 2017 , 208, 1277-1289	2.6	22
24	Electric potential anomaly induced by humid air convection within Piton de La Fournaise volcano, La Réunion Island. <i>Geothermics</i> , 2017 , 65, 81-98	4.3	7
23	Analyses of extreme swell events on La Réunion Island from microseismic noise. <i>Geophysical Journal International</i> , 2016 , 207, 1767-1782	2.6	11
22	Monitoring austral and cyclonic swells in the Îles Eparses (Mozambique channel) from microseismic noise. <i>Acta Oecologica</i> , 2016 , 72, 120-128	1.7	10
21	Crustal and uppermost mantle structure variation beneath La Réunion hotspot track. <i>Geophysical Journal International</i> , 2015 , 203, 107-126	2.6	50
20	Sources of secondary microseisms in the Indian Ocean. <i>Geophysical Journal International</i> , 2015 , 202, 1180-1189	2.0	20
19	Crustal and mantle structure beneath the Terre Adelie Craton, East Antarctica: insights from receiver function and seismic anisotropy measurements. <i>Geophysical Journal International</i> , 2015 , 200, 807-821	2.6	12

18	The 2007 eruptions and caldera collapse of the Piton de la Fournaise volcano (La Réunion Island) from tilt analysis at a single very broadband seismic station. <i>Geophysical Research Letters</i> , 2014 , 41, 2803-2811	4.9	29
17	Tracking major storms from microseismic and hydroacoustic observations on the seafloor. <i>Geophysical Research Letters</i> , 2014 , 41, 8825-8831	4.9	36
16	Mantle flow beneath La Réunion hotspot track from SKS splitting. <i>Earth and Planetary Science Letters</i> , 2013 , 362, 108-121	5.3	28
15	Imaging crustal structure variation across southeastern Australia. <i>Tectonophysics</i> , 2013 , 582, 112-125	3.1	15
14	Crustal complexity in the Lachlan Orogen revealed from teleseismic receiver functions. <i>Australian Journal of Earth Sciences</i> , 2013 , 60, 413-430	1.4	5
13	Tide-induced microseismicity in the Mertz glacier grounding area, East Antarctica. <i>Geophysical Research Letters</i> , 2013 , 40, 5412-5416	4.9	17
12	AusMoho: the variation of Moho depth in Australia. <i>Geophysical Journal International</i> , 2011 , 187, 946-958	5.6	93
11	Mapping upper mantle flow beneath French Polynesia from broadband ocean bottom seismic observations. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	18
10	Upper mantle anisotropy beneath Australia and Tahiti from P wave polarization: Implications for real-time earthquake location. <i>Journal of Geophysical Research</i> , 2009 , 114,		26
9	Influence of melt viscosity of basaltic and andesitic composition on seismic attenuation in partially molten gabbro-norite. <i>Physics of the Earth and Planetary Interiors</i> , 2008 , 167, 223-229	2.3	2
8	Upper-mantle flow beneath French Polynesia from shear wave splitting. <i>Geophysical Journal International</i> , 2007 , 170, 1262-1288	2.6	55
7	Characterizing swells in the southern Pacific from seismic and infrasonic noise analyses. <i>Geophysical Journal International</i> , 2006 , 164, 516-542	2.6	36
6	Shear-wave splitting beneath the Galápagos archipelago. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	22
5	Temperature dependence of shear wave attenuation in partially molten gabbro-norite at seismic frequencies. <i>Geophysical Journal International</i> , 2005 , 163, 1025-1038	2.6	19
4	PLUME investigates South Pacific Superswell. <i>Eos</i> , 2002 , 83, 511	1.5	24
3	A Significant Increase in Interplate Seismicity near Major Historical Earthquakes Offshore Martinique (FWI). <i>Bulletin of the Seismological Society of America</i> ,	2.3	3
2	Mayotte seismic crisis: building knowledge in near real-time by combining land and ocean-bottom seismometers, first results. <i>Geophysical Journal International</i> ,	2.6	5
1	A Wrapper to Use a Machine-Learning-Based Algorithm for Earthquake Monitoring. <i>Seismological Research Letters</i> ,	3	2

