# Fabrice R Fontaine

## List of Publications by Citations



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|---|---|---|---|
| 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 | AusMoho: the variation of Moho depth in Australia. *Geophysical Journal International*, **2011**, 187, 946-958 | 2.6 | 93 |
| 34 | Upper-mantle flow beneath French Polynesia from shear wave splitting. *Geophysical Journal International*, **2007**, 170, 1262-1288 | 2.6 | 55 |
| 33 | Crustal and uppermost mantle structure variation beneath La Réunion hotspot track. *Geophysical Journal International*, **2015**, 203, 107-126 | 2.6 | 50 |
| 32 | Tracking major storms from microseismic and hydroacoustic observations on the seafloor. *Geophysical Research Letters*, **2014**, 41, 8825-8831 | 4.9 | 36 |
| 31 | Characterizing swells in the southern Pacific from seismic and infrasonic noise analyses. *Geophysical Journal International*, **2006**, 164, 516-542 | 2.6 | 36 |
| 30 | 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. *Geophysical Research Letters*, **2014**, 41, 2803-2811 | 4.9 | 29 |
| 29 | Mantle flow beneath La Réunion hotspot track from SKS splitting. *Earth and Planetary Science Letters*, **2013**, 362, 108-121 | 5.3 | 28 |
| 28 | Upper mantle anisotropy beneath Australia and Tahiti from P wave polarization: Implications for real-time earthquake location. *Journal of Geophysical Research*, **2009**, 114, | | 26 |
| 27 | PLUME investigates South Pacific Superswell. *Eos*, **2002**, 83, 511 | 1.5 | 24 |
| 26 | Orienting ocean-bottom seismometers fromP-wave and Rayleigh wave polarizations. *Geophysical Journal International*, **2017**, 208, 1277-1289 | 2.6 | 22 |
| 25 | Shear-wave splitting beneath the Galápagos archipelago. *Geophysical Research Letters*, **2005**, 32, | 4.9 | 22 |
| 24 | Sources of secondary microseisms in the Indian Ocean. *Geophysical Journal International*, **2015**, 202, 1180-1189 | 2.6 | 20 |
| 23 | Temperature dependence of shear wave attenuation in partially molten gabbronorite at seismic frequencies. *Geophysical Journal International*, **2005**, 163, 1025-1038 | 2.6 | 19 |
| 22 | Mapping upper mantle flow beneath French Polynesia from broadband ocean bottom seismic observations. *Geophysical Research Letters*, **2009**, 36, | 4.9 | 18 |
| 21 | Tide-induced microseismicity in the Mertz glacier grounding area, East Antarctica. *Geophysical Research Letters*, **2013**, 40, 5412-5416 | 4.9 | 17 |
| 20 | Imaging crustal structure variation across southeastern Australia. *Tectonophysics*, **2013**, 582, 112-125 | 3.1 | 15 |
| 19 | Very- and ultra-long-period seismic signals prior to and during caldera formation on La Réunion Island. *Scientific Reports*, **2019**, 9, 8068 | 4.9 | 14 |

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|---|---|---|---|
| 18 | SKS splitting in the Western Indian Ocean from land and seafloor seismometers: Plume, plate and ridge signatures. *Earth and Planetary Science Letters*, **2018**, 498, 169-184 | 5.3 | 12 |
| 17 | Large-scale flow of Indian Ocean asthenosphere driven by Réunion plume. *Nature Geoscience*, **2019**, 12, 1043-1049 | 18.3 | 12 |
| 16 | Crustal and mantle structure beneath the Terre Adelie Craton, East Antarctica: insights from receiver function and seismic anisotropy measurements. *Geophysical Journal International*, **2015**, 200, 807-821 | 2.6 | 12 |
| 15 | Analyses of extreme swell events on La Réunion Island from microseismic noise. *Geophysical Journal International*, **2016**, 207, 1767-1782 | 2.6 | 11 |
| 14 | Monitoring austral and cyclonic swells in the Îles Eparses (Mozambique channel) from microseismic noise. *Acta Oecologica*, **2016**, 72, 120-128 | 1.7 | 10 |
| 13 | Electric potential anomaly induced by humid air convection within Piton de La Fournaise volcano, La Réunion Island. *Geothermics*, **2017**, 65, 81-98 | 4.3 | 7 |
| 12 | Assessing swells in La Réunion Island from terrestrial seismic observations, oceanographic records and offshore wave models. *Geophysical Journal International*, **2020**, 221, 1883-1895 | 2.6 | 5 |
| 11 | Crustal complexity in the Lachlan Orogen revealed from teleseismic receiver functions. *Australian Journal of Earth Sciences*, **2013**, 60, 413-430 | 1.4 | 5 |
| 10 | ReNovRisk: a multidisciplinary programme to study the cyclonic risks in the South-West Indian Ocean. *Natural Hazards*, **2021**, 107, 1191-1223 | 3 | 5 |
| 9 | Mayotte seismic crisis: building knowledge in near real-time by combining land and ocean-bottom seismometers, first results. *Geophysical Journal International*, | 2.6 | 5 |
| 8 | A Significant Increase in Interplate Seismicity near Major Historical Earthquakes Offshore Martinique (FWI). *Bulletin of the Seismological Society of America*, | 2.3 | 3 |
| 7 | Nature of the crust beneath the islands of the Mozambique Channel: Constraints from receiver functions. *Journal of African Earth Sciences*, **2021**, 184, 104379 | 2.2 | 3 |
| 6 | Influence of melt viscosity of basaltic and andesitic composition on seismic attenuation in partially molten gabbronorite. *Physics of the Earth and Planetary Interiors*, **2008**, 167, 223-229 | 2.3 | 2 |
| 5 | Cyclone Signatures in the South-West Indian Ocean from Two Decades of Microseismic Noise. *Atmosphere*, **2021**, 12, 488 | 2.7 | 2 |
| 4 | A Wrapper to Use a Machine-Learning-Based Algorithm for Earthquake Monitoring. *Seismological Research Letters*, | 3 | 2 |
| 3 | Simplified simulation of rock avalanches and subsequent debris flows with a single thin-layer model: Application to the Prêcheur river (Martinique, Lesser Antilles). *Engineering Geology*, **2022**, 296, 106457 | 6 | 0 |
| 2 | Seismicity of La Réunion island. *Comptes Rendus - Geoscience*, **2021**, 353, 1-19 | 1.4 | 0 |
| 1 | Prédire l'effondrement des cratères volcaniques. *Pourlascience Fr*, **2021**, N° 519 - janvier, 54-62 | 0 | |