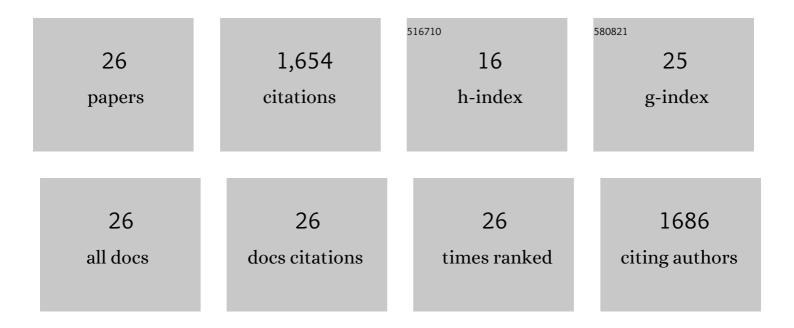
Olivier Coutant

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1254245/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Magnetic structure of Basse-Terre volcanic island (Guadeloupe, Lesser Antilles) inferred from 3D inversion of aeromagnetic data. Journal of Volcanology and Geothermal Research, 2017, 348, 1-11.	2.1	1
2	Sub-surface structure of La Soufrière of Guadeloupe lava dome deduced from a ground-based magnetic survey. Journal of Volcanology and Geothermal Research, 2016, 321, 171-181.	2.1	8
3	Mass and heat flux balance of La Soufrière volcano (Guadeloupe) from aerial infrared thermal imaging. Journal of Volcanology and Geothermal Research, 2016, 320, 107-116.	2.1	16
4	3-D linear inversion of gravity data: method and application to Basse-Terre volcanic island, Guadeloupe, Lesser Antilles. Geophysical Journal International, 2016, 205, 562-574.	2.4	16
5	Fabry–Perot optical fiber strainmeter with an embeddable, low-power interrogation system. Optica, 2015, 2, 400.	9.3	19
6	Inversion of potential fields on nodes for large grids. Journal of Applied Geophysics, 2014, 110, 90-97.	2.1	5
7	SWIFTS: a groundbreaking integrated technology for high-performance spectroscopy and optical sensors. Proceedings of SPIE, 2013, , .	0.8	15
8	Joint inversion of <i>P</i> -wave velocity and density, application to La Soufrière of Guadeloupe hydrothermal system. Geophysical Journal International, 2012, 191, 723-742.	2.4	31
9	High-resolution shallow seismic tomography of a hydrothermal area: application to the Solfatara, Pozzuoli. Geophysical Journal International, 2012, 189, 1725-1733.	2.4	20
10	Density muon radiography of La Soufrière of Guadeloupe volcano: comparison with geological, electrical resistivity and gravity data. Geophysical Journal International, 2012, 190, 1008-1019.	2.4	127
11	Stability of monitoring weak changes in multiply scattering media with ambient noise correlation: Laboratory experiments. Journal of the Acoustical Society of America, 2009, 125, 3688-3695.	1.1	204
12	Towards forecasting volcanic eruptions using seismic noise. Nature Geoscience, 2008, 1, 126-130.	12.9	535
13	The High-Resolution Imaging (HRI) Portable Array: A Seismic (and Internet) Network Dedicated to Kilometric-scale Seismic Imaging. Seismological Research Letters, 2008, 79, 47-54.	1.9	4
14	High resolution seismic tomography of a Strombolian volcanic cone. Geophysical Research Letters, 2006, 33, .	4.0	10
15	Mapping upper mantle anisotropy beneath SE France by SKS splitting indicates Neogene asthenospheric flow induced by Apenninic slab roll-back and deflected by the deep Alpine roots. Tectonophysics, 2004, 394, 125-138.	2.2	43
16	Measuring surface wave phase velocities beneath small broad-band arrays: tests of an improved algorithm and application to the French Alps. Geophysical Journal International, 2003, 154, 903-912.	2.4	25
17	Moment Tensor Inversion of Regional Phases: Application to a Mine Collapse. , 2002, 159, 111-130.		5
18	Seismic response of three-dimensional topographies using a time-domain boundary element method. Geophysical Journal International, 2000, 142, 603-614.	2.4	23

OLIVIER COUTANT

#	Article	IF	CITATIONS
19	The existence of an inner core super-rotation questioned by teleseismic doublets. Physics of the Earth and Planetary Interiors, 2000, 118, 77-88.	1.9	62
20	Numerical simulation of the propagation ofPwaves in fractured media. Geophysical Journal International, 1999, 137, 197-206.	2.4	27
21	Redistribution of dynamic stress during coseismic ruptures: Evidence for fault interaction and earthquake triggering. Journal of Geophysical Research, 1999, 104, 14925-14945.	3.3	102
22	TheML5.3 Épagny (French Alps) earthquake of 1996 July 15: a long-awaited event on the Vuache Fault. Geophysical Journal International, 1998, 135, 876-892.	2.4	69
23	Anisotropic scattering and travel time delay analysis in Kilauea volcano, Hawaii, earthquake coda waves. Journal of Geophysical Research, 1997, 102, 8397-8410.	3.3	16
24	Dynamic stress variations due to shear faults in a plane-layered medium. Geophysical Journal International, 1997, 128, 676-688.	2.4	139
25	Microseimicity and strain pattern in northwestern Greece. Tectonics, 1995, 14, 773-785.	2.8	89
26	Numerical study of the diffraction of elastic waves by fluidâ€filled cracks. Journal of Geophysical Research, 1989, 94, 17805-17818.	3.3	43