

Dominique Reymond

List of Publications by Year in descending order

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29
papers

738
citations

393982

19
h-index

525886

27
g-index

29
all docs

29
docs citations

29
times ranked

755
citing authors

#	ARTICLE	IF	CITATIONS
1	South Pacific mantle plumes imaged by seismic observation on islands and seafloor. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	68
2	The mechanism of great Banda Sea earthquake of 1 February 1938: applying the method of preliminary determination of focal mechanism to a historical event. <i>Earth and Planetary Science Letters</i> , 2003, 216, 1-15.	1.8	44
3	Hydroacoustic signals generated by parked and drifting icebergs in the Southern Indian and Pacific Oceans. <i>Geophysical Journal International</i> , 2006, 165, 817-834.	1.0	44
4	Characterizing swells in the southern Pacific from seismic and infrasonic noise analyses. <i>Geophysical Journal International</i> , 2006, 164, 516-542.	1.0	41
5	Upper mantle anisotropy beneath Australia and Tahiti from <i>P</i> wave polarization: Implications for real-time earthquake location. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	36
6	Rapid forecast of tsunami wave heights from a database of pre-computed simulations, and application during the 2011 Tohoku tsunami in French Polynesia. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	35
7	Automatic detection, location and quantification of earthquakes: Application to tsunami warning. <i>Pure and Applied Geophysics</i> , 1991, 135, 361-382.	0.8	33
8	TIARES Project – Tomographic investigation by seafloor array experiment for the Society hotspot. <i>Earth, Planets and Space</i> , 2012, 64, i-iv.	0.9	33
9	Probing South Pacific mantle plumes with ocean bottom seismographs. <i>Eos</i> , 2005, 86, 429.	0.1	32
10	Evaluation of far-field tsunami hazard in French Polynesia based on historical data and numerical simulations. <i>Natural Hazards and Earth System Sciences</i> , 2007, 7, 195-206.	1.5	32
11	Preliminary determination of focal mechanisms from the inversion of spectral amplitudes of mantle waves. <i>Physics of the Earth and Planetary Interiors</i> , 2000, 121, 249-271.	0.7	28
12	Implementation and Challenges of the Tsunami Warning System in the Western Mediterranean. <i>Pure and Applied Geophysics</i> , 2015, 172, 821-833.	0.8	28
13	$M_{\text{sub}m\text{sub}}$: Use of a variable-period mantle magnitude for the rapid one-station estimation of teleseismic moments. <i>Geophysical Research Letters</i> , 1987, 14, 840-843.	1.5	27
14	Very- and ultra-long-period seismic signals prior to and during caldera formation on La Réunion Island. <i>Scientific Reports</i> , 2019, 9, 8068.	1.6	26
15	New Tsunami Forecast Tools for the French Polynesia Tsunami Warning System Part II: Numerical Modelling and Tsunami Height Estimation. <i>Pure and Applied Geophysics</i> , 2015, 172, 805-819.	0.8	25
16	Quantification of Hydrophone Records of the 2004 Sumatra Tsunami. <i>Pure and Applied Geophysics</i> , 2007, 164, 309-323.	0.8	24
17	Surface wave tomography for the Pacific Ocean incorporating seafloor seismic observations and plate thermal evolution. <i>Earth and Planetary Science Letters</i> , 2019, 510, 116-130.	1.8	24
18	L'océan tsunami en Polynésie française : synthèse des observations et des mesures. <i>Comptes Rendus - Geoscience</i> , 2006, 338, 1133-1140.	0.4	21

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19	The 2010 and 2011 Tsunamis in French Polynesia: Operational Aspects and Field Surveys. Pure and Applied Geophysics, 2013, 170, 1169-1187.	0.8	21
20	Coastal Amplification Laws for the French Tsunami Warning Center: Numerical Modeling and Fast Estimate of Tsunami Wave Heights Along the French Riviera. Pure and Applied Geophysics, 2018, 175, 1429-1444.	0.8	17
21	Mantle plumes beneath the South Pacific superswell revealed by finite frequency <i>P</i> tomography using regional seafloor and island data. Geophysical Research Letters, 2016, 43, 11,628.	1.5	16
22	Four years of automated measurements of seismic moments at Papeete using the mantle magnitude <i>M_m</i> : 1987-1991. Tectonophysics, 1993, 217, 175-193.	0.9	15
23	T-Wave Detection of Two Underwater Explosions off Hawaii on 13 April 2000. Bulletin of the Seismological Society of America, 2003, 93, 804-816.	1.1	14
24	Large, pre-digital earthquakes of the Bonin-Mariana subduction zone, 1930-1974. Tectonophysics, 2013, 586, 1-14.	0.9	12
25	From earthquake size to far-field tsunami amplitude: development of a simple formula and application to DART buoy data. Geophysical Journal International, 2014, 196, 340-356.	1.0	11
26	New Tsunami Forecast Tools for the French Polynesia Tsunami Warning System. Pure and Applied Geophysics, 2015, 172, 791-804.	0.8	11
27	Upper mantle structure beneath the Society hotspot and surrounding region using broadband data from ocean floor and islands. Earth, Planets and Space, 2016, 68, .	0.9	9
28	Contributions of Space Missions to Better Tsunami Science: Observations, Models and Warnings. Surveys in Geophysics, 2020, 41, 1535-1581.	2.1	6
29	La tsunami en Polynésie française: apports de la simulation numérique. Comptes Rendus - Geoscience, 2007, 339, 303-316.	0.4	5