# Dominique Reymond

List of Publications by Year
in descending order



| 29 | 738 | 394421 19 | 526287 27 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 29 | 29 | 29 | 755 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | South Pacific mantle plumes imaged by seismic observation on islands and seafloor. Geochemistry, Geophysics, Geosystems, 2009, 10, . | 2.5 | 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. Earth and Planetary Science Letters, 2003, 216, 1-15. | 4.4 | 44 |
| 3 | Hydroacoustic signals generated by parked and drifting icebergs in the Southern Indian and Pacific Oceans. Geophysical Journal International, 2006, 165, 817-834. | 2.4 | 44 |
| 4 | Characterizing swells in the southern Pacific from seismic and infrasonic noise analyses. Geophysical Journal International, 2006, 164, 516-542. | 2.4 | 41 |
| 5 | Upper mantle anisotropy beneath Australia and Tahiti from P wave polarization: Implications for realâ€time earthquake location. Journal of Geophysical Research, 2009, 114, . | 3.3 | 36 |
| 6 | Rapid forecast of tsunami wave heights from a database of preâ€computed simulations, and application during the 2011 Tohoku tsunami in French Polynesia. Geophysical Research Letters, 2012, 39, . | 4.0 | 35 |
| 7 | Automatic detection, location and quantification of earthquakes: Application to tsunami warning. Pure and Applied Geophysics, 1991, 135, 361-382. | 1.9 | 33 |
| 8 | TIARES Projectâ€”Tomographic investigation by seafloor array experiment for the Society hotspot. Earth, Planets and Space, 2012, 64, i-iv. | 2.5 | 33 |
| 9 | Probing South Pacific mantle plumes with ocean bottom seismographs. Eos, 2005, 86, 429. | 0.1 | 32 |
| 10 | Evaluation of far-field tsunami hazard in French Polynesia based on historical data and numerical simulations. Natural Hazards and Earth System Sciences, 2007, 7, 195-206. | 3.6 | 32 |
| 11 | Preliminary determination of focal mechanisms from the inversion of spectral amplitudes of mantle waves. Physics of the Earth and Planetary Interiors, 2000, 121, 249-271. | 1.9 | 28 |
| 12 | Implementation and Challenges of the Tsunami Warning System in the Western Mediterranean. Pure and Applied Geophysics, 2015, 172, 821-833. | 1.9 | 28 |
| 13 | M<sub>m</sub>: Use of a variableâ€period mantle magnitude for the rapid oneâ€station estimation of teleseismic moments. Geophysical Research Letters, 1987, 14, 840-843. | 4.0 | 27 |
| 14 | Very- and ultra-long-period seismic signals prior to and during caldera formation on La RÃ©union Island. Scientific Reports, 2019, 9, 8068. | 3.3 | 26 |
| 15 | New Tsunami Forecast Tools for the French Polynesia Tsunami Warning System Part II: Numerical Modelling and Tsunami Height Estimation. Pure and Applied Geophysics, 2015, 172, 805-819. | 1.9 | 25 |
| 16 | Quantification of Hydrophone Records of the 2004 Sumatra Tsunami. Pure and Applied Geophysics, 2007, 164, 309-323. | 1.9 | 24 |
| 17 | Surface wave tomography for the Pacific Ocean incorporating seafloor seismic observations and plate thermal evolution. Earth and Planetary Science Letters, 2019, 510, 116-130. | 4.4 | 24 |
| 18 | L'alÃ©a tsunami en PolynÃ©sie franÃ§aise : synthÃ¨se des observations et des mesures. Comptes Rendus - Geoscience, 2006, 338, 1133-1140. | 1.2 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The 2010 and 2011 Tsunamis in French Polynesia: Operational Aspects and Field Surveys. Pure and Applied Geophysics, 2013, 170, 1169-1187. | 1.9 | 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. | 1.9 | 17 |
| 21 | Mantle plumes beneath the South Pacific superswell revealed by finite frequency P tomography using regional seafloor and island data. Geophysical Research Letters, 2016, 43, 11,628. | 4.0 | 16 |
| 22 | Four years of automated measurements of seismic moments at Papeete using the mantle magnitude Mm: 1987â€“1991. Tectonophysics, 1993, 217, 175-193. | 2.2 | 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. | 2.3 | 14 |
| 24 | Large, pre-digital earthquakes of the Bonin-Mariana subduction zone, 1930â€“1974. Tectonophysics, 2013, 586, 1-14. | 2.2 | 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. | 2.4 | 11 |
| 26 | New Tsunami Forecast Tools for the French Polynesia Tsunami Warning System. Pure and Applied Geophysics, 2015, 172, 791-804. | 1.9 | 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, . | 2.5 | 9 |
| 28 | Contributions of Space Missions to Better Tsunami Science: Observations, Models and Warnings. Surveys in Geophysics, 2020, 41, 1535-1581. | 4.6 | 6 |
| 29 | Lâ€™alÃ©a tsunami en PolynÃ©sie franÃ§aiseÂ: apports de la simulation numÃ©rique. Comptes Rendus - Geoscience, 2007, 339, 303-316. | 1.2 | 5 |