Emilie E E Hooft

List of Publications by Year
in descending order

45 papers	1,656 citations	279798 23 h-index	289244 40 g-index
51 all docs	51 docs citations	51 times ranked	1406 citing authors

#	Article	IF	Citations
1	Crustal thickness and structure along three contrasting spreading segments of the Mid-Atlantic Ridge, 33.5Â°-35Â°N. Journal of Geophysical Research, 2000, 105, 8205-8226.	3.3	150
2	Seismic structure and indicators of magma budget along the Southern East Pacific Rise. Journal of Geophysical Research, 1997, 102, 27319-27340.	3.3	142
3	The Cascadia Initiative: A Sea Change In Seismological Studies of Subduction Zones. Oceanography, 2014, 27, 138-150.	1.0	106
4	Anomalously thin transition zone beneath the GalÃ¡pagos hotspot. Earth and Planetary Science Letters, 2003, 216, 55-64.	4.4	82
5	Roller-bearing tectonic evolution of the Juan Fernandez microplate. Nature, 1992, 356, 571-576.	27.8	79
6	The role of density in the accumulation of basaltic melts at midâ€ocean ridges. Geophysical Research Letters, 1993, 20, 423-426.	4.0	78
7	The role of magma injection in localizing black-smoker activity. Nature Geoscience, 2009, 2, 509-513.	12.9	67
8	Mantle flow and multistage melting beneath the GalÃ¡pagos hotspot revealed by seismic imaging. Nature Geoscience, 2014, 7, 151-156.	12.9	67
9	Endeavour Segment of the Juan de Fuca Ridge: One of the Most Remarkable Places on Earth. Oceanography, 2012, 25, 44-61.	1.0	65
10	Variations in axial morphology along the GalÃ¡pagos spreading center and the influence of the GalÃ¡pagos hotspot. Journal of Geophysical Research, 1997, 102, 27341-27354.	3.3	56
11	Upper mantle structure beneath the GalÃ¡pagos Archipelago from surface wave tomography. Journal of Geophysical Research, 2007, 112, .	3.3	56
12	Buoyant Asthenosphere Beneath Cascadia Influences Megathrust Segmentation. Geophysical Research Letters, 2018, 45, 6954-6962.	4.0	51
13	Relationship between axial morphology, crustal thickness, and mantle temperature along the Juan de Fuca and Gorda Ridges. Journal of Geophysical Research, 1995, 100, 22499-22508.	3.3	49
14	Backarc tectonism, volcanism, and mass wasting shape seafloor morphology in the Santorini-Christiana-Amorgos region of the Hellenic Volcanic Arc. Tectonophysics, 2017, 712-713, 396-414.	2.2	43
15	Vertically Extensive Magma Reservoir Revealed From Joint Inversion and Quantitative Interpretation of Seismic and Gravity Data. Journal of Geophysical Research: Solid Earth, 2019, 124, 11170-11191.	3.4	38
16	Upper crustal seismic structure of the Endeavour segment, Juan de Fuca Ridge from traveltime tomography: Implications for oceanic crustal accretion. Geochemistry, Geophysics, Geosystems, 2014, 15, 1296-1315.	2.5	34
17	Seismic imaging of Santorini: Subsurface constraints on caldera collapse and present-day magma recharge. Earth and Planetary Science Letters, 2019, 514, 48-61.	4.4	34
18	Asymmetric plume-ridge interaction around Iceland: The Kolbeinsey Ridge Iceland Seismic Experiment. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	33

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19	Segmentation of mid-ocean ridges attributed to oblique mantle divergence. Nature Geoscience, 2016, 9, 636-642.	12.9	29
20	Crustal structure beneath the GalÃ¡pagos Archipelago from ambient noise tomography and its implications for plume-lithosphere interactions. Journal of Geophysical Research, 2011, 116, .	3.3	27
21	Tectonism and Its Relation to Magmatism Around Santorini Volcano From Upper Crustal P Wave Velocity. Journal of Geophysical Research: Solid Earth, 2019, 124, 10610-10629.	3.4	26
22	Next-generation seismic experiments â€“ II: wide-angle, multi-azimuth, 3-D, full-waveform inversion of sparse field data. Geophysical Journal International, 2016, 204, 1342-1363.	2.4	25
23	Origin and evolution of the Kolbeinsey Ridge and Iceland Plateau, N-Atlantic. Geochemistry, Geophysics, Geosystems, 2015, 16, 612-634.	2.5	24
24	Shear-wave splitting beneath the GalÃ¡pagos archipelago. Geophysical Research Letters, 2005, 32, .	4.0	22
25	Mantle dynamics beneath the discrete and diffuse plate boundaries of the <scp>J</scp>uan de <scp>F</scp>uca plate: Results from <scp>C</scp>ascadia <scp>I</scp>nitiative body wave tomography. Geochemistry, Geophysics, Geosystems, 2017, 18, 2906-2929.	2.5	22
26	Magma accumulation beneath Santorini volcano, Greece, from P-wave tomography. Geology, 2020, 48, 231-235.	4.4	22
27	A seismic swarm and regional hydrothermal and hydrologic perturbations: The northern Endeavour segment, February 2005. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	20
28	Upper crustal structure of Newberry Volcano from Pâ€wave tomography and finite difference waveform modeling. Journal of Geophysical Research, 2012, 117, .	3.3	20
29	Termination of a 6â€‰year ridgeâ€spreading event observed using a seafloor seismic network on the Endeavour Segment, Juan de Fuca Ridge. Geochemistry, Geophysics, Geosystems, 2013, 14, 1375-1398.	2.5	20
30	Imaging the magmatic system of <scp>N</scp>ewberry <scp>V</scp>olcano using joint active source and teleseismic tomography. Geochemistry, Geophysics, Geosystems, 2015, 16, 4433-4448.	2.5	20
31	Mantle upwelling, magmatic differentiation, and the meaning of axial depth at fast-spreading ridges. Geology, 2008, 36, 679.	4.4	17
32	Seismic evidence that black smoker heat flux is influenced by localized magma replenishment and associated increases in crustal permeability. Geophysical Research Letters, 2017, 44, 1687-1695.	4.0	17
33	Autocorrelation of the Seismic Wavefield at Newberry Volcano: Reflections From the Magmatic and Geothermal Systems. Geophysical Research Letters, 2018, 45, 2311-2318.	4.0	16
34	Upper Crustal Vp/Vs Ratios at the Endeavour Segment, Juan de Fuca Ridge, From Joint Inversion of P and S Traveltimes: Implications for Hydrothermal Circulation. Geochemistry, Geophysics, Geosystems, 2019, 20, 208-229.	2.5	16
35	Seismic Imaging and Physical Properties of the Endeavour Segment: Evidence that Skew Between Mantle and Crustal Magmatic Systems Governs Spreading Center Processes. Geochemistry, Geophysics, Geosystems, 2019, 20, 1319-1339.	2.5	16
36	An upper mantle seismic discontinuity beneath the <scp>G</scp>alÃ¡pagos <scp>A</scp>rchipelago and its implications for studies of the lithosphereâ€asthenosphere boundary. Geochemistry, Geophysics, Geosystems, 2015, 16, 1070-1088.	2.5	15

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37	Rifting of oceanic crust at Endeavor Deep on the Juan Fernandez microplate. Marine Geophysical Researches, 1995, 17, 251-273.	1.2	10
38	Nearâ€axis crustal structure and thickness of the Endeavour Segment, Juan de Fuca Ridge. Geophysical Research Letters, 2016, 43, 5688-5695.	4.0	10
39	Heralds of Future Volcanism: Swarms of Microseismicity Beneath the Submarine Kolumbo Volcano Indicate Opening of Nearâ€Vertical Fractures Exploited by Ascending Melts. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	7
40	On the Resilience of Internet Infrastructures in Pacific Northwest to Earthquakes. Lecture Notes in Computer Science, 2021, , 247-265.	1.3	6
41	Relationship Between Active Faulting/Fracturing and Magmatism Around Santorini: Seismic Anisotropy From an Active Source Tomography Experiment. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021898.	3.4	6
42	The Deployment of a Long-Term Seafloor Seismic Network on the Juan de Fuca Ridge. , 2007, , .		4
43	Applying planetary mapping methods to submarine environments: onshore-offshore geomorphology of Christiana-Santorini-Kolumbo Volcanic Group, Greece. Journal of Maps, 2021, 17, 111-121.	2.0	4
44	Body Wave Tomography of the Cascadia Subduction Zone and Juan de Fuca Plate System: Identifying Challenges and Solutions for Shoreâ€Crossing Data. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009316.	2.5	4
45	Gravity observations on Santorini island (Greece): Historical and recent campaigns. Contributions To Geophysics and Geodesy, 2021, 51, 1-24.	0.6	1