

Emilie E E Hooft

List of Publications by Year in descending order

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Version: 2024-02-01

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	Heralds of Future Volcanism: Swarms of Microseismicity Beneath the Submarine Kolumbo Volcano Indicate Opening of Near-Vertical Fractures Exploited by Ascending Melts. <i>Geochemistry, Geophysics, Geosystems</i> , 2022, 23, .	2.5	7
2	On the Resilience of Internet Infrastructures in Pacific Northwest to Earthquakes. <i>Lecture Notes in Computer Science</i> , 2021, , 247-265.	1.3	6
3	Applying planetary mapping methods to submarine environments: onshore-offshore geomorphology of Christiana-Santorini-Kolumbo Volcanic Group, Greece. <i>Journal of Maps</i> , 2021, 17, 111-121.	2.0	4
4	Gravity observations on Santorini island (Greece): Historical and recent campaigns. <i>Contributions To Geophysics and Geodesy</i> , 2021, 51, 1-24.	0.6	1
5	Relationship Between Active Faulting/Fracturing and Magmatism Around Santorini: Seismic Anisotropy From an Active Source Tomography Experiment. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021898.	3.4	6
6	Magma accumulation beneath Santorini volcano, Greece, from P-wave tomography. <i>Geology</i> , 2020, 48, 231-235.	4.4	22
7	Body Wave Tomography of the Cascadia Subduction Zone and Juan de Fuca Plate System: Identifying Challenges and Solutions for Shore-Crossing Data. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009316.	2.5	4
8	Tectonism and Its Relation to Magmatism Around Santorini Volcano From Upper Crustal V_p Wave Velocity. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10610-10629.	3.4	26
9	Vertically Extensive Magma Reservoir Revealed From Joint Inversion and Quantitative Interpretation of Seismic and Gravity Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11170-11191.	3.4	38
10	Seismic imaging of Santorini: Subsurface constraints on caldera collapse and present-day magma recharge. <i>Earth and Planetary Science Letters</i> , 2019, 514, 48-61.	4.4	34
11	Upper Crustal V_p/V_s Ratios at the Endeavour Segment, Juan de Fuca Ridge, From Joint Inversion of V_p and V_s Traveltimes: Implications for Hydrothermal Circulation. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 208-229.	2.5	16
12	Seismic Imaging and Physical Properties of the Endeavour Segment: Evidence that Skew Between Mantle and Crustal Magmatic Systems Governs Spreading Center Processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 1319-1339.	2.5	16
13	Autocorrelation of the Seismic Wavefield at Newberry Volcano: Reflections From the Magmatic and Geothermal Systems. <i>Geophysical Research Letters</i> , 2018, 45, 2311-2318.	4.0	16
14	Buoyant Asthenosphere Beneath Cascadia Influences Megathrust Segmentation. <i>Geophysical Research Letters</i> , 2018, 45, 6954-6962.	4.0	51
15	Seismic evidence that black smoker heat flux is influenced by localized magma replenishment and associated increases in crustal permeability. <i>Geophysical Research Letters</i> , 2017, 44, 1687-1695.	4.0	17
16	Backarc tectonism, volcanism, and mass wasting shape seafloor morphology in the Santorini-Christiana-Amorgos region of the Hellenic Volcanic Arc. <i>Tectonophysics</i> , 2017, 712-713, 396-414.	2.2	43
17	Mantle dynamics beneath the discrete and diffuse plate boundaries of the Juan de Fuca plate: Results from Cascadia Initiative body wave tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2906-2929.	2.5	22
18	Near-axis crustal structure and thickness of the Endeavour Segment, Juan de Fuca Ridge. <i>Geophysical Research Letters</i> , 2016, 43, 5688-5695.	4.0	10

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19	Segmentation of mid-ocean ridges attributed to oblique mantle divergence. <i>Nature Geoscience</i> , 2016, 9, 636-642.	12.9	29
20	Next-generation seismic experiments – II: wide-angle, multi-azimuth, 3-D, full-waveform inversion of sparse field data. <i>Geophysical Journal International</i> , 2016, 204, 1342-1363.	2.4	25
21	Origin and evolution of the Kolbeinsey Ridge and Iceland Plateau, N-Atlantic. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 612-634.	2.5	24
22	An upper mantle seismic discontinuity beneath the Galápagos Archipelago and its implications for studies of the lithosphere-asthenosphere boundary. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1070-1088.	2.5	15
23	Imaging the magmatic system of Newberry Volcano using joint active source and teleseismic tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4433-4448.	2.5	20
24	The Cascadia Initiative: A Sea Change In Seismological Studies of Subduction Zones. <i>Oceanography</i> , 2014, 27, 138-150.	1.0	106
25	Mantle flow and multistage melting beneath the Galápagos hotspot revealed by seismic imaging. <i>Nature Geoscience</i> , 2014, 7, 151-156.	12.9	67
26	Upper crustal seismic structure of the Endeavour segment, Juan de Fuca Ridge from travelttime tomography: Implications for oceanic crustal accretion. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 1296-1315.	2.5	34
27	Termination of a 60-year ridge-spreading event observed using a seafloor seismic network on the Endeavour Segment, Juan de Fuca Ridge. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 1375-1398.	2.5	20
28	Upper crustal structure of Newberry Volcano from P-wave tomography and finite difference waveform modeling. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
29	Endeavour Segment of the Juan de Fuca Ridge: One of the Most Remarkable Places on Earth. <i>Oceanography</i> , 2012, 25, 44-61.	1.0	65
30	Crustal structure beneath the Galápagos Archipelago from ambient noise tomography and its implications for plume-lithosphere interactions. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	27
31	A seismic swarm and regional hydrothermal and hydrologic perturbations: The northern Endeavour segment, February 2005. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	20
32	The role of magma injection in localizing black-smoker activity. <i>Nature Geoscience</i> , 2009, 2, 509-513.	12.9	67
33	Mantle upwelling, magmatic differentiation, and the meaning of axial depth at fast-spreading ridges. <i>Geology</i> , 2008, 36, 679.	4.4	17
34	The Deployment of a Long-Term Seafloor Seismic Network on the Juan de Fuca Ridge. , 2007, , .		4
35	Upper mantle structure beneath the Galápagos Archipelago from surface wave tomography. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	56
36	Asymmetric plume-ridge interaction around Iceland: The Kolbeinsey Ridge Iceland Seismic Experiment. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	33

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37	Shear-wave splitting beneath the Gal�pagos archipelago. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	22
38	Anomalously thin transition zone beneath the Gal�pagos hotspot. <i>Earth and Planetary Science Letters</i> , 2003, 216, 55-64.	4.4	82
39	Crustal thickness and structure along three contrasting spreading segments of the Mid-Atlantic Ridge, 33.5�-35�N. <i>Journal of Geophysical Research</i> , 2000, 105, 8205-8226.	3.3	150
40	Variations in axial morphology along the Gal�pagos spreading center and the influence of the Gal�pagos hotspot. <i>Journal of Geophysical Research</i> , 1997, 102, 27341-27354.	3.3	56
41	Seismic structure and indicators of magma budget along the Southern East Pacific Rise. <i>Journal of Geophysical Research</i> , 1997, 102, 27319-27340.	3.3	142
42	Rifting of oceanic crust at Endeavor Deep on the Juan Fernandez microplate. <i>Marine Geophysical Researches</i> , 1995, 17, 251-273.	1.2	10
43	Relationship between axial morphology, crustal thickness, and mantle temperature along the Juan de Fuca and Gorda Ridges. <i>Journal of Geophysical Research</i> , 1995, 100, 22499-22508.	3.3	49
44	The role of density in the accumulation of basaltic melts at mid�cean ridges. <i>Geophysical Research Letters</i> , 1993, 20, 423-426.	4.0	78
45	Roller-bearing tectonic evolution of the Juan Fernandez microplate. <i>Nature</i> , 1992, 356, 571-576.	27.8	79