

# Anthony Hildenbrand

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,512  
citations

279798

23  
h-index

315739

38  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Volcano-tectonic and geochemical evolution of an oceanic intra-plate volcano: Tahiti-Nui (French) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	4.4	102
2	Is the "Azores Hotspot" a Wetspot? Insights from the Geochemistry of Fluid and Melt Inclusions in Olivine of Pico Basalts. Journal of Petrology, 2014, 55, 377-393.	2.8	93
3	GPS and tectonic evidence for a diffuse plate boundary at the Azores Triple Junction. Earth and Planetary Science Letters, 2013, 381, 177-187.	4.4	86
4	Multi-stage evolution of a sub-aerial volcanic ridge over the last 1.3 Myr: S. Jorge Island, Azores Triple Junction. Earth and Planetary Science Letters, 2008, 273, 289-298.	4.4	77
5	Reconstructing the architectural evolution of volcanic islands from combined K/Ar, morphologic, tectonic, and magnetic data: The Faial Island example (Azores). Journal of Volcanology and Geothermal Research, 2012, 241-242, 39-48.	2.1	70
6	Recent plate re-organization at the Azores Triple Junction: Evidence from combined geochemical and geochronological data on Faial, S. Jorge and Terceira volcanic islands. Lithos, 2014, 210-211, 27-39.	1.4	68
7	Volcano-tectonic evolution of the Santa Maria Island (Azores): Implications for paleostress evolution at the western Eurasia-Nubia plate boundary. Journal of Volcanology and Geothermal Research, 2015, 291, 49-62.	2.1	64
8	Causal link between Quaternary paleoclimatic changes and volcanic islands evolution. Geophysical Research Letters, 2008, 35, .	4.0	61
9	Temporal evolution and geochemical variability of the South Pacific superplume activity. Earth and Planetary Science Letters, 2006, 244, 251-269.	4.4	58
10	Eruptive response of oceanic islands to giant landslides: New insights from the geomorphologic evolution of the Teide-Pico Viejo volcanic complex (Tenerife, Canary). Geomorphology, 2012, 138, 61-73.	2.6	56
11	Large-scale active slump of the southeastern flank of Pico Island, Azores. Geology, 2012, 40, 939-942.	4.4	55
12	Morpho-structural evolution of a volcanic island developed inside an active oceanic rift: S. Miguel Island (Terceira Rift, Azores). Journal of Volcanology and Geothermal Research, 2015, 301, 90-106.	2.1	54
13	Isotopic approach of rainfall and groundwater circulation in the volcanic structure of Tahiti-Nui (French Polynesia). Journal of Hydrology, 2005, 302, 187-208.	5.4	49
14	Geomorphological study of long-term erosion on a tropical volcanic ocean island: Tahiti-Nui (French) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.8	47
15	Construction and destruction of a volcanic island developed inside an oceanic rift: Graciosa Island, Terceira Rift, Azores. Journal of Volcanology and Geothermal Research, 2014, 284, 32-45.	2.1	45
16	Offshore evidence for a huge landslide of the northern flank of Tahiti-Nui (French Polynesia). Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	44
17	Large-scale catastrophic flank collapses in a steep volcanic ridge: The Pico-Faial Ridge, Azores Triple Junction. Journal of Volcanology and Geothermal Research, 2014, 272, 111-125.	2.1	44
18	Evidence for a persistent uplifting of La Palma (Canary Islands), inferred from morphological and radiometric data. Earth and Planetary Science Letters, 2003, 210, 277-289.	4.4	41

#	ARTICLE	IF	CITATIONS
19	Catastrophic flank collapses and slumping in Pico Island during the last 130 kyr (Pico-Faial ridge, Azores Triple Junction). <i>Tectonophysics</i> , 2014, 633, 115-125.	2.1	40
20	The 1998 Faial earthquake, Azores: Evidence for a transform fault associated with the Nubia-Eurasia plate boundary?. <i>Tectonophysics</i> , 2014, 633, 115-125.	2.2	34
21	Caldera or flank collapse in the Fogo volcano? What age? Consequences for risk assessment in volcanic islands. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 388, 106686.	2.1	31
22	Coeval giant landslides in the Canary Islands: Implications for global, regional and local triggers of giant flank collapses on oceanic volcanoes. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 257, 90-98.	2.1	30
23	Volcano-tectonic evolution of the northern part of the Arabian plate in the light of new K-Ar ages and remote sensing: Harrat Ash Shaam volcanic province (Syria). <i>Tectonophysics</i> , 2012, 580, 192-207.	2.2	26
24	Palaeomagnetic study of a subaerial volcanic ridge (São Jorge Island, Azores) for the past 1.3 Myr: evidence for the Cobb Mountain Subchron, volcano flank instability and tectonomagmatic implications. <i>Geophysical Journal International</i> , 2012, 188, 959-978.	2.4	24
25	Ground motion and tectonics in the Terceira Island: Tectonomagmatic interactions in an oceanic rift (Terceira Rift, Azores Triple Junction). <i>Tectonophysics</i> , 2015, 651-652, 19-34.	2.2	23
26	Large-scale mass wasting on small volcanic islands revealed by the study of Flores Island (Azores). <i>Scientific Reports</i> , 2018, 8, 13898.	3.3	23
27	Deformation in a hyperslow oceanic rift: Insights from the tectonics of the São Miguel Island (Terceira Rift, Azores). <i>Tectonics</i> , 2016, 35, 425-446.	2.8	22
28	Evolution of a volcanic island on the shoulder of an oceanic rift and geodynamic implications: S. Jorge Island on the Terceira Rift, Azores Triple Junction. <i>Tectonophysics</i> , 2018, 738-739, 41-50.	2.2	20
29	Volcano-tectonic evolution of a linear volcanic ridge (Pico-Faial Ridge, Azores Triple Junction) assessed by paleomagnetic studies. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 352, 78-91.	2.1	12
30	In-situ K-Ar dating on Mars based on UV-Laser ablation coupled with a LIBS-QMS system: Development, calibration and application of the KArMars instrument. <i>Chemical Geology</i> , 2019, 506, 1-16.	3.3	11
31	The evolution of Santa Maria Island in the context of the Azores Triple Junction. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	3.0	9
32	Exhumation history of the Variscan orogen in western Iberia as inferred from new K-Ar and <sup>40</sup> Ar/ <sup>39</sup> Ar data on granites from Portugal. <i>Tectonophysics</i> , 2021, 812, 228863.	2.2	9
33	The Complex Vertical Motion of Intraplate Oceanic Islands Assessed in Santiago Island, Cape Verde. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008754.	2.5	8
34	Reply to the comment by Quartau and Mitchell on "Reconstructing the architectural evolution of volcanic islands from combined K/Ar, morphologic, tectonic, and magnetic data: The Faial Island example (Azores)". <i>Volcanol. Geotherm. Res.</i> 241-242, 39-48, by Hildenbrand et al. (2012). <i>Journal of Volcanology and Geothermal Research</i> , 2013, 255, 127-130.	2.1	7
35	Thermal evolution of onshore West Iberia: A better understanding of the ages of breakup and rift-to-drift in the Iberia-Newfoundland Rift. <i>Tectonophysics</i> , 2021, 813, 228926.	2.2	7
36	The genetic link between the Azores Archipelago and the Southern Azores Seamount Chain (SASC): The elemental, isotopic and chronological evidences. <i>Lithos</i> , 2017, 294-295, 133-146.	1.4	6

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37	From laboratory experiments to geophysical tsunamis generated by subaerial landslides. <i>Scientific Reports</i> , 2021, 11, 18437.	3.3	6
38	Evidence for a differentiated ignimbritic activity ending the building-stage of Tahiti-Nui (French Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	1.2	5
39	Volcanic Record of the Last Geomagnetic Reversal in a Lava Flow Sequence From the Azores. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	5
40	The shaping of a volcanic ridge in a tectonically active setting: The Pico-Faial Ridge in the Azores Triple Junction. <i>Geomorphology</i> , 2021, 378, 107612.	2.6	5
41	Large-scale active slump of the southeastern flank of Pico Island, Azores: REPLY. <i>Geology</i> , 2013, 41, e302-e302.	4.4	4
42	Morpho-structural analysis of Harrat Al Sham volcanic field Arabian plate (Syria, Jordan, and Saudi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	4
43	Comments on "Epiclastic deposits and horseshoe-shaped caldeiras in Tahiti (Society Islands) and Ua Huka (Marquesas Archipelago), French Polynesia" by Clément et al. (2003). <i>Journal of Volcanology and Geothermal Research</i> , 2004, 136, 159-163.	2.1	3
44	Comment on "The insular shelves of the Faial-Pico Ridge (Azores archipelago): A morphological record of its evolution" by Quartau et al.. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 625-632.	2.5	3
45	Magma genesis controlled by tectonic styles in the northern part of the Arabia plate during Cenozoic time. <i>Geological Society Special Publication</i> , 2014, 392, 61-91.	1.3	2
46	Structural consequences of cohesion in gravitational instabilities triggered by fluid overpressure: Analytical derivation and experimental testing. <i>Journal of Structural Geology</i> , 2016, 87, 134-143.	2.3	2
47	Reply to the comment by Quartau et al. on "Construction and destruction of a volcanic island developed inside an oceanic rift: Graciosa Island, Terceira Rift, Azores" J. Volcanol. Geotherm. Res. 284, 32-45, by Sibrant et al. (2014). <i>Journal of Volcanology and Geothermal Research</i> , 2015, 303, 193-198.	2.1	1