

Dennis Geist

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11003705/publications.pdf>

Version: 2024-02-01

23
papers

871
citations

471509

17
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

886
citing authors

#	ARTICLE	IF	CITATIONS
1	Primitive neon from the center of the Galápagos hotspot. <i>Earth and Planetary Science Letters</i> , 2009, 286, 23-34.	4.4	107
2	Unravelling the peculiarities of island life: vicariance, dispersal and the diversification of the extinct and extant giant Galápagos tortoises. <i>Molecular Ecology</i> , 2012, 21, 160-173.	3.9	88
3	Nickel and helium evidence for melt above the core-mantle boundary. <i>Nature</i> , 2013, 493, 393-397.	27.8	77
4	Physical volcanology and structural development of Sierra Negra volcano, Isabela Island, Galápagos archipelago. <i>Bulletin of the Geological Society of America</i> , 1995, 107, 1398-1410.	3.3	64
5	Physical volcanology and structural development of Cerro Azul Volcano, Isabela Island, Galápagos: implications for the development of Galápagos-type shield volcanoes. <i>Bulletin of Volcanology</i> , 2000, 61, 497-514.	3.0	62
6	Wolf-Darwin lineament and plume-ridge interaction in northern Galápagos. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-19.	2.5	55
7	The volcanic history of Volcán Alcedo, Galápagos Archipelago: A case study of rhyolitic oceanic volcanism. <i>Bulletin of Volcanology</i> , 1994, 56, 243-260.	3.0	47
8	Results from new GPS and gravity monitoring networks at Fernandina and Sierra Negra Volcanoes, Galápagos, 2000-2002. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 150, 79-97.	2.1	39
9	Construction of the Galápagos platform by large submarine volcanic terraces. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	37
10	Magma chambers versus mush zones: constraining the architecture of sub-volcanic plumbing systems from microstructural analysis of crystalline enclaves. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180006.	3.4	36
11	Volcanic evolution in the Galápagos: The dissected shield of Volcan Ecuador. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1 of 32-32 of 32.	2.5	34
12	Lithological structure of the Galápagos Plume. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4214-4240.	2.5	33
13	Integrated Petrological and Geophysical Constraints on Magma System Architecture in the Western Galápagos Archipelago: Insights From Wolf Volcano. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4722-4743.	2.5	31
14	4D gravity changes associated with the 2005 eruption of Sierra Negra volcano, Galápagos. <i>Geophysics</i> , 2008, 73, WA29-WA35.	2.6	26
15	The emergence of a Galápagos shield volcano, Roca Redonda. <i>Contributions To Mineralogy and Petrology</i> , 1998, 133, 136-148.	3.1	22
16	1998 Eruption at Volcán Cerro Azul, Galápagos Islands: I. Syn-Eruptive Petrogenesis. <i>Bulletin of Volcanology</i> , 2005, 67, 170-185.	3.0	20
17	Cryptic evolved melts beneath monotonous basaltic shield volcanoes in the Galápagos Archipelago. <i>Nature Communications</i> , 2020, 11, 3767.	12.8	20
18	Illegitimate magmas of the Galápagos: Insights into mantle mixing and magma transport. <i>Geology</i> , 1999, 27, 1103.	4.4	17

#	ARTICLE	IF	CITATIONS
19	Crustal growth by magmatic overplating in the Galápagos. <i>Geology</i> , 2007, 35, 511.	4.4	14
20	Hekla Revisited: Fractionation of a Magma Body at Historical Timescales. <i>Journal of Petrology</i> , 2021, 62, .	2.8	14
21	Forecasting mechanical failure and the 26 June 2018 eruption of Sierra Negra Volcano, Galápagos, Ecuador. <i>Science Advances</i> , 2022, 8, .	10.3	11
22	Seismicity patterns during a period of inflation at Sierra Negra volcano, Galápagos Ocean Island Chain. <i>Earth and Planetary Science Letters</i> , 2017, 462, 169-179.	4.4	10
23	The volcanic history of Volcán Alcedo, Galápagos Archipelago: A case study of rhyolitic oceanic volcanism. <i>Bulletin of Volcanology</i> , 1994, 56, 243-260.	3.0	7