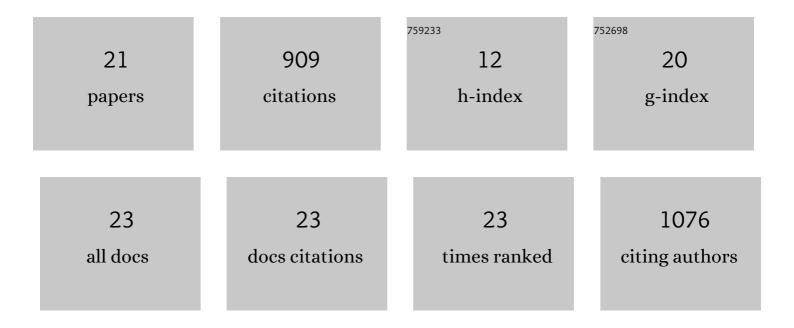
## H R Dietterich

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1388407/publications.pdf Version: 2024-02-01



H P DIETTERICH

#	Article	IF	CITATIONS
1	The 2018 rift eruption and summit collapse of Kīlauea Volcano. Science, 2019, 363, 367-374.	12.6	353
2	Cyclic lava effusion during the 2018 eruption of Kīlauea Volcano. Science, 2019, 366, .	12.6	75
3	Tracking lava flow emplacement on the east rift zone of KÄ«lauea, Hawaiâ€~i, with synthetic aperture radar coherence. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	66
4	Volcanological applications of unoccupied aircraft systems (UAS): Developments, strategies, and future challenges. Volcanica, 2020, 3, 67-114.	1.8	63
5	Channel networks within lava flows: Formation, evolution, and implications for flow behavior. Journal of Geophysical Research F: Earth Surface, 2014, 119, 1704-1724.	2.8	51
6	Volcanic history of the northernmost part of the Harrat Rahat volcanic field, Saudi Arabia. , 2018, 14, 1253-1282.		47
7	Benchmarking computational fluid dynamics models of lava flow simulation for hazard assessment, forecasting, and risk management. Journal of Applied Volcanology, 2017, 6, .	2.0	43
8	Lava effusion rate evolution and erupted volume during the 2018 Kīlauea lower East Rift Zone eruption. Bulletin of Volcanology, 2021, 83, 1.	3.0	39
9	Diverting lava flows in the lab. Nature Geoscience, 2015, 8, 494-496.	12.9	36
10	Topographic Changes During the 2018 KÄ«lauea Eruption From Singleâ€Pass Airborne InSAR. Geophysical Research Letters, 2019, 46, 9554-9562.	4.0	33
11	Reconstructing lava flow emplacement histories with rheological and morphological analyses: the Harrat Rahat volcanic field, Kingdom of Saudi Arabia. Bulletin of Volcanology, 2018, 80, 1.	3.0	18
12	Lava flow morphology at an erupting andesitic stratovolcano: A satellite perspective on El Reventador, Ecuador. Journal of Volcanology and Geothermal Research, 2019, 372, 34-47.	2.1	14
13	Sulfur yield of the 1600 eruption of Huaynaputina, Peru: Contributions from magmatic, fluid-phase, and hydrothermal sulfur. Journal of Volcanology and Geothermal Research, 2010, 197, 303-312.	2.1	12
14	High-speed lava flow infrasound from Kīlauea's fissure 8 and its utility in monitoring effusion rate. Bulletin of Volcanology, 2021, 83, 1.	3.0	11
15	Timescales of magmatic differentiation from alkali basalt to trachyte within the Harrat Rahat volcanic field, Kingdom of Saudi Arabia. Contributions To Mineralogy and Petrology, 2018, 173, 1.	3.1	9
16	Evaluating lava flow propagation models with a case study from the 2018 eruption of Kīlauea Volcano, Hawai'i. Bulletin of Volcanology, 2021, 83, 1.	3.0	9
17	The timing and compositional evolution of volcanism within northern Harrat Rahat, Kingdom of Saudi Arabia. Bulletin of the Geological Society of America, 2020, 132, 1381-1403.	3.3	8
18	Evolution in eruptive style of the 2018 eruption of Veniaminof volcano, Alaska, reflected in groundmass textures and remote sensing. Bulletin of Volcanology, 2021, 83, 1.	3.0	5

H R DIETTERICH

#	Article	IF	CITATIONS
19	A look ahead to the next decade at US volcano observatories. Bulletin of Volcanology, 2022, 84, .	3.0	3
20	Structured elicitation of expert judgement in real-time eruption scenarios: an exercise for Piton de la Fournaise volcano, La Réunion island. Volcanica, 2022, 5, 105-131.	1.8	2
21	VESICULARITY, CRYSTALLINITY, AND IMPLICATIONS FOR RHEOLOGY OF THE KĪLAUEA 2018 LAVA FLOWS. , 202	20,	1