Tamar Elias

List of Publications by Year in descending order

21 papers	1,374 citations	430874 18 h-index	677142 22 g-index
35 all docs	35 docs citations	35 times ranked	1404 citing authors

#	Article	IF	Citations
1	Volcanic air pollution and human health: recent advances and future directions. Bulletin of Volcanology, 2022, 84, 1.	3.0	31
2	Rapid metal pollutant deposition from the volcanic plume of KÄ«lauea, Hawaiâ€™i. Communications Earth & Environment, 2021, 2, .	6.8	15
3	Volatile metal emissions from volcanic degassing and lavaâ€“seawater interactions at KÄ«lauea Volcano, Hawaiâ€™i. Communications Earth & Environment, 2021, 2, .	6.8	25
4	The petrologic and degassing behavior of sulfur and other magmatic volatiles from the 2018 eruption of KÄ«lauea, HawaiÊ»i: melt concentrations, magma storage depths, and magma recycling. Bulletin of Volcanology, 2021, 83, 1.	3.0	25
5	The cascading origin of the 2018 KÄ«lauea eruption and implications for future forecasting. Nature Communications, 2020, 11, 5646.	12.8	49
6	Spatial and Temporal Variations in SO2 and PM2.5 Levels Around KÄ«lauea Volcano, Hawai'i During 2007â€“2018. Frontiers in Earth Science, 2020, 8, .	1.8	21
7	Quantifying gas emissions associated with the 2018 rift eruption of KÄ«lauea Volcano using ground-based DOAS measurements. Bulletin of Volcanology, 2020, 82, 1.	3.0	29
8	Two Ensemble Approaches for Forecasting Sulfur Dioxide Concentrations from KÄ«lauea Volcano. Weather and Forecasting, 2020, 35, 1923-1937.	1.4	8
9	The 2018 rift eruption and summit collapse of KÄ«lauea Volcano. Science, 2019, 363, 367-374.	12.6	353
10	Measuring SO2 Emission Rates at KÄ«lauea Volcano, Hawaii, Using an Array of Upward-Looking UV Spectrometers, 2014â€“2017. Frontiers in Earth Science, 2018, 6, .	1.8	29
11	Influence of eruptive style on volcanic gas emission chemistry and temperature. Nature Geoscience, 2018, 11, 678-681.	12.9	30
12	Volcanic air pollution over the Island of Hawai'i: Emissions, dispersal, and composition. Association with respiratory symptoms and lung function in Hawai'i Island school children. Environment International, 2016, 92-93, 543-552.	10.0	56
13	Observing and Forecasting Vog Dispersion from KÄ«lauea Volcano, Hawaii. Bulletin of the American Meteorological Society, 2015, 96, 1667-1686.	3.3	34
14	Magma storage, transport and degassing during the 2008â€“10 summit eruption at KÄ«lauea Volcano, Hawaiâ€˜i. Geochimica Et Cosmochimica Acta, 2013, 123, 284-301.	3.9	49
15	Is volcanic air pollution associated with decreased heart-rate variability?. Heart Asia, 2010, 2, 36-41.	1.1	9
16	Small Explosion From New Vent at Kilauea's Summit. Eos, 2008, 89, 203-203.	0.1	66
17	Real-time measurement of volcanic SO2 emissions: validation of a new UV correlation spectrometer (FLYSPEC). Bulletin of Volcanology, 2006, 68, 323-327.	3.0	82
18	Comparison of COSPEC and two miniature ultraviolet spectrometer systems for SO2 measurements using scattered sunlight. Bulletin of Volcanology, 2006, 68, 313-322.	3.0	45

#	Article	IF	Citations
19	Carbon dioxide emission rate of KÄ«lauea Volcano: Implications for primary magma and the summit reservoir. Journal of Geophysical Research, 2002, 107, ECV 3-1-ECV 3-15.	3.3	142
20	Sun photometer and lidar measurements of the plume from the Hawaii Kilauea Volcano Pu'u O'o vent: Aerosol flux and SO2lifetime. Geophysical Research Letters, 2002, 29, 30-1-30-4.	4.0	55
21	Implications for eruptive processes as indicated by sulfur dioxide emissions from KÄ±Ì„lauea Volcano, Hawaiâ€˜i, 1979â€“1997. Journal of Volcanology and Geothermal Research, 2001, 108, 283-302.	2.1	93