Aaron J Pietruszka

List of Publications by Year
in descending order

36	1,471	279798 23	377865 34
papers	citations	h-index	g-index

37	37	37	1287
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accumulated PuÊ»u Ê»ÅŒÊ»Å•magma fed the voluminous 2018 rift eruption of KÄ«lauea Volcano: evidence from lava chemistry. Bulletin of Volcanology, 2021, 83, 1.	3.0	5
2	KÄ«lauea's Puâ€˜u â€˜ÅŒâ€˜Å•Eruption (1983â€“2018): A synthesis of magmatic processes during a prolonged basaltic event. Chemical Geology, 2021, 581, 120391.	3.3	10
3	Explosive summit collapse of KÄ«lauea Volcano in 1924 preceded by a decade of crustal contamination and anomalous Pb isotope ratios. Geochimica Et Cosmochimica Acta, 2019, 258, 120-137.	3.9	4
4	A high carbon content of the Hawaiian mantle from olivine-hosted melt inclusions. Geochimica Et Cosmochimica Acta, 2019, 254, 156-172.	3.9	51
5	An Isotopic Perspective into the Magmatic Evolution and Architecture of the Rift Zones of KÄ«lauea Volcano. Journal of Petrology, 2018, 59, 2311-2352.	2.8	20
6	How old is KÄ«lauea Volcano (Hawaiâ€˜i)? Insights from⁴⁰Ar/³⁹Ar dating of the 1.7-km-deep SOH-1 core. Geology, 2017, 45, 79-82.	4.4	12
7	Evaluation of laser ablation double-focusing SC-ICPMS for â€œcommonâ€•lead isotopic measurements in silicate glasses and minerals. Journal of Analytical Atomic Spectrometry, 2017, 32, 1135-1154.	3.0	15
8	Unusual Î´56 Fe values in Samoan rejuvenated lavas generated in the mantle. Earth and Planetary Science Letters, 2016, 450, 221-232.	4.4	64
9	A Review of the Recent Geochemical Evolution of Piton de la Fournaise Volcano (1927â€“2010). Active Volcanoes of the World, 2016, , 185-201.	1.4	6
10	Two magma bodies beneath the summit of KÄ«lauea Volcano unveiled by isotopically distinct melt deliveries from the mantle. Earth and Planetary Science Letters, 2015, 413, 90-100.	4.4	43
11	Petrology and Geochemistry of Volcanic Rocks from the South Kaua`i Swell Volcano, Hawai`i: Implications for the Lithology and Composition of the Hawaiian Mantle Plume. Journal of Petrology, 2015, 56, 1173-1197.	2.8	12
12	Uranium Series, Rates of Basaltic Melt Generation and Transport. Encyclopedia of Earth Sciences Series, 2015, , 843-845.	0.1	0
13	Uranium Series, Rates of Basaltic Melt Generation and Transport. , 2014, , 1-4.		0
14	Chemical heterogeneity in the Hawaiian mantle plume from the alteration and dehydration of recycled oceanic crust. Earth and Planetary Science Letters, 2013, 361, 298-309.	4.4	75
15	Temporal geochemical variations in lavas from KÄ«lauea's Puâ€˜u â€˜ÅŒâ€˜Å•eruption (1983â€“2010): Cyclic variations from melting of source heterogeneities. Geochemistry, Geophysics, Geosystems, 2013, 14, 4849-4873.	2.5	28
16	Major and trace element and Sr-Nd isotope signatures of the northern Lau Basin lavas: Implications for the composition and dynamics of the back-arc basin mantle. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	38
17	Excesses of seawater-derived 234U in volcanic glasses from Loihi Seamount due to crustal contamination. Earth and Planetary Science Letters, 2011, 304, 280-289.	4.4	17
18	Geochemistry of southern Pagan Island lavas, Mariana arc: the role of subduction zone processes. Contributions To Mineralogy and Petrology, 2011, 162, 231-252.	3.1	28

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19	Crustal Contamination of Mantle-derived Magmas within Piton de la Fournaise Volcano, Reunion Island. Journal of Petrology, 2009, 50, 661-684.	2.8	41
20	Identification of a matrix effect in the MC-ICP-MS due to sample purification using ion exchange resin: An isotopic case study of molybdenum. International Journal of Mass Spectrometry, 2008, 270, 23-30.	1.5	40
21	Major and trace element and Srâ€“Nd isotope signatures of lavas from the Central Lau Basin: Implications for the nature and influence of subduction components in the back-arc mantle. Journal of Volcanology and Geothermal Research, 2008, 178, 657-670.	2.1	82
22	Geochemical Variations during Kilauea's Pu'u 'O'o Eruption Reveal a Fine-scale Mixture of Mantle Heterogeneities within the Hawaiian Plume. Journal of Petrology, 2008, 49, 1297-1318.	2.8	38
23	Rapid passage of a small-scale mantle heterogeneity through the melting regions of Kilauea and Mauna Loa Volcanoes. Earth and Planetary Science Letters, 2007, 259, 34-50.	4.4	65
24	Time scales of formation of zoned magma chambers: U-series disequilibria in the Fogo A and 1563 A.D. trachyte deposits, SÃ£o Miguel, Azores. Chemical Geology, 2007, 239, 138-155.	3.3	28
25	Remelting of recently depleted mantle within the Hawaiian plume inferred from the 226Raâ€“230Thâ€“238U disequilibria of PuÊ»u Ê»ÅŒÊ»Å•eruption lavas. Earth and Planetary Science Letters, 2006, 244, 155-169.	4.4	30
26	Determination of mass-dependent molybdenum isotopic variations by MC-ICP-MS: An evaluation of matrix effects. Chemical Geology, 2006, 225, 121-136.	3.3	79
27	Trace-element distribution coefficients for pyroxenes, plagioclase, and olivine in evolved tholeiites from the 1955 eruption of Kilauea Volcano, Hawai'i, and petrogenesis of differentiated rift-zone lavas. American Mineralogist, 2005, 90, 888-899.	1.9	73
28	The Role of Open-System Processes in the Development of Silicic Magma Chambers: a Chemical and Isotopic Investigation of the Fogo A Trachyte Deposit, Sao Miguel, Azores. Journal of Petrology, 2004, 45, 723-738.	2.8	34
29	Precise and accurate measurement of 226Raâ€“230Thâ€“238U disequilibria in volcanic rocks using plasma ionization multicollector mass spectrometry. Chemical Geology, 2002, 188, 171-191.	3.3	89
30	226Raâ€“230Thâ€“238U disequilibria of historical Kilauea lavas (1790â€“1982) and the dynamics of mantle melting within the Hawaiian plume. Earth and Planetary Science Letters, 2001, 186, 15-31.	4.4	64
31	Magmatic Processes During the Prolonged Puâ€™u â€™Oâ€™o Eruption of Kilauea Volcano, Hawaii. Journal of Petrology, 2000, 41, 967-990.	2.8	101
32	The size and shape of Kilauea Volcano's summit magma storage reservoir: a geochemical probe. Earth and Planetary Science Letters, 1999, 167, 311-320.	4.4	80
33	A Rapid Fluctuation in the Mantle Source and Melting History of Kilauea Volcano Inferred from the Geochemistry of its Historical Summit Lavas (1790-1982). Journal of Petrology, 1999, 40, 1321-1342.	2.8	15
34	Crustal Contamination of Kilauea Volcano Magmas Revealed by Oxygen Isotope Analyses of Glass and Olivine fromPuu Oo Eruption Lavas. Journal of Petrology, 1998, 39, 803-817.	2.8	82
35	Crustal Contamination of Kilauea Volcano Magmas Revealed by Oxygen Isotope Analyses of Glass and Olivine fromPuu Oo Eruption Lavas. Journal of Petrology, 1998, 39, 803-817.	2.8	15
36	Petrology of lavas from the Puu Oo eruption of Kilauea Volcano: III. The Kupaianaha episode (1986-1992). Bulletin of Volcanology, 1996, 58, 359-379.	3.0	87