

Kenji Shimizu

List of Publications by Year in descending order

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42
papers

1,128
citations

430874

18
h-index

414414

32
g-index

42
all docs

42
docs citations

42
times ranked

1226
citing authors

#	ARTICLE	IF	CITATIONS
1	Water enrichment in the mid-ocean ridge by recycling of mantle wedge residue. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117455.	4.4	9
2	Magma Source Evolution Following Subduction Initiation: Evidence From the Element Concentrations, Stable Isotope Ratios, and Water Contents of Volcanic Glasses From the Bonin Forearc (IODP Expedition 352). <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009054.	2.5	22
3	Magmatic Response to Subduction Initiation, Part II: Boninites and Related Rocks of the Izu-Bonin Arc From IODP Expedition 352. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, .	2.5	52
4	Persistent gas emission originating from a deep basaltic magma reservoir of an active volcano: the case of Aso volcano, Japan. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	8
5	Covariation of Slab Tracers, Volatiles, and Oxidation During Subduction Initiation. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009823.	2.5	15
6	Testing the Ontong Java Nui Hypothesis: The Largest Supervolcano Ever on Earth. <i>Journal of Geography (Chigaku Zasshi)</i> , 2021, 130, 559-584.	0.3	4
7	Tracing the subducting Pacific slab to the mantle transition zone with hydrogen isotopes. <i>Scientific Reports</i> , 2021, 11, 18755.	3.3	5
8	Survey of impact glasses in shergottites searching for Martian sulfate using X-ray absorption near-edge structure. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 313, 85-98.	3.9	0
9	Mineral compositions and thermobarometry of basalts and boninites recovered during IODP Expedition 352 to the Bonin forearc. <i>American Mineralogist</i> , 2020, 105, 1490-1507.	1.9	26
10	Determination of total CO ₂ in melt inclusions with shrinkage bubbles. <i>Chemical Geology</i> , 2020, 557, 119855.	3.3	11
11	Temporal Evolution of Proto-Izu-Bonin-Mariana Arc Volcanism over 10% Myr: Constraints from Statistical Analysis of Melt Inclusion Compositions. <i>Journal of Petrology</i> , 2020, 61, .	2.8	10
12	Serpentinite enigma of the Rakhabdev lineament in western India: Origin, deformation characterization and tectonic implications. <i>Journal of Mineralogical and Petrological Sciences</i> , 2020, 115, 216-226.	0.9	9
13	Petit-spot volcanoes on the oldest portion of the Pacific plate. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 154, 103142.	1.4	13
14	Identifying volatile mantle trend with the water-fluorine-cerium systematics of basaltic glass. <i>Chemical Geology</i> , 2019, 522, 283-294.	3.3	18
15	Buoyant hydrous mantle plume from the mantle transition zone. <i>Scientific Reports</i> , 2019, 9, 6549.	3.3	43
16	Magmatic Response to Subduction Initiation: Part 1. Forearc Basalts of the Izu-Bonin Arc From IODP Expedition 352. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 314-338.	2.5	113
17	Tiny droplets of ocean island basalts unveil Earth's deep chlorine cycle. <i>Nature Communications</i> , 2019, 10, 60.	12.8	26
18	<i>in situ</i> analyses of hydrogen and sulfur isotope ratios in basaltic glass using SIMS. <i>Geochemical Journal</i> , 2019, 53, 195-207.	1.0	5

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19	Suspected meteorite fragments in marine sediments from East Antarctica. <i>Antarctic Science</i> , 2018, 30, 307-321.	0.9	1
20	High-precision <i>in situ</i> analysis of Pb isotopes in melt inclusions by LA-ICP-MS and application of Independent Component Analysis. <i>Geochemical Journal</i> , 2018, 52, 69-74.	1.0	3
21	Subduction initiation and ophiolite crust: new insights from IODP drilling. <i>International Geology Review</i> , 2017, 59, 1439-1450.	2.1	145
22	Collision-induced post-plateau volcanism: Evidence from a seamount on Ontong Java Plateau. <i>Lithos</i> , 2017, 294-295, 87-96.	1.4	21
23	FORE-ARC BASALT TO BONINITE MAGMATISM: CHARACTERIZING THE TRANSITION FROM DECOMPRESSION TO FLUID FLUX MELTING AFTER SUBDUCTION INITIATION. , 2017, , .		2
24	H ₂ O, CO ₂ , F, S, Cl, and P ₂ O ₅ analyses of silicate glasses using SIMS: Report of volatile standard glasses. <i>Geochemical Journal</i> , 2017, 51, 299-313.	1.0	32
25	Ancient depleted mantle as a source of boninites in the Izu-Bonin-Mariana arc: Evidence from Os isotopes in Cr-spinel and magnetite. <i>Chemical Geology</i> , 2016, 439, 110-119.	3.3	21
26	Hydrogen-rich hydrothermal environments in the Hadean ocean inferred from serpentinization of komatiites at 300°C and 500 bar. <i>Progress in Earth and Planetary Science</i> , 2015, 2, .	3.0	45
27	Simultaneous determinations of fluorine, chlorine, and sulfur in rock samples by ion chromatography combined with pyrohydrolysis. <i>Geochemical Journal</i> , 2015, 49, 113-124.	1.0	36
28	Paleo-elevation and subsidence of $\frac{1}{4}$ Ma Shatsky Rise inferred from CO ₂ and H ₂ O in fresh volcanic glass. <i>Earth and Planetary Science Letters</i> , 2013, 383, 37-44.	4.4	14
29	Variety and origin of magmas on Shatsky Rise, northwest Pacific Ocean. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	55
30	Flux-Free Fusion of Silicate Rock Preceding Acid Digestion for ICP-MS Bulk Analysis. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 45-55.	3.1	11
31	Osmium behavior in a subduction system elucidated from chromian spinel in Bonin Island beach sands. <i>Geology</i> , 2011, 39, 999-1002.	4.4	29
32	CO ₂ -rich komatiitic melt inclusions in Cr-spinels within beach sand from Gorgona Island, Colombia. <i>Earth and Planetary Science Letters</i> , 2009, 288, 33-43.	4.4	34
33	H ₂ generation by experimental hydrothermal alteration of komatiitic glass at 300°C and 500 bars: A preliminary result from on-going experiment. <i>Geochemical Journal</i> , 2009, 43, e17-e22.	1.0	30
34	Ion Chromatographic Determination of Fluorine and Chlorine in Silicate Rocks Following Alkaline Fusion. <i>Geostandards and Geoanalytical Research</i> , 2006, 30, 121-129.	1.9	21
35	The Geochemistry of Ultramafic to Mafic Volcanics from the Belingwe Greenstone Belt, Zimbabwe: Magmatism in an Archean Continental Large Igneous Province. <i>Journal of Petrology</i> , 2005, 46, 2367-2394.	2.8	59
36	Discovery of Archean continental and mantle fragments inferred from xenocrysts in komatiites, the Belingwe greenstone belt, Zimbabwe. <i>Geology</i> , 2004, 32, 285.	4.4	12

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37	Lithium, boron, and lead isotope systematics of glass inclusions in olivines from Hawaiian lavas: evidence for recycled components in the Hawaiian plume. <i>Chemical Geology</i> , 2004, 212, 143-161.	3.3	89
38	Cr-spinel, an excellent micro-container for retaining primitive melts – implications for a hydrous plume origin for komatiites. <i>Earth and Planetary Science Letters</i> , 2001, 189, 177-188.	4.4	60
39	Noble gas evidence for the presence of recycled material in magma sources of the Shatsky Rise. <i>Special Paper of the Geological Society of America</i> , 0, , 57-67.	0.5	5
40	Isotopic evidence for a link between the Lyra Basin and Ontong Java Plateau. <i>Special Paper of the Geological Society of America</i> , 0, , 251-269.	0.5	5
41	Boron and chlorine contents of basalts from the Shatsky Rise, IODP Expedition 324: Implications for the alteration of oceanic plateaus. <i>Special Paper of the Geological Society of America</i> , 0, , 69-84.	0.5	5
42	Alkalic magmatism in the Lyra Basin: A missing link in the late-stage evolution of the Ontong Java Plateau. <i>Special Paper of the Geological Society of America</i> , 0, , 233-249.	0.5	4