# 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 | Subduction initiation and ophiolite crust: new insights from IODP drilling. International Geology Review, 2017, 59, 1439-1450. | 2.1 | 145 |
| 2 | Magmatic Response to Subduction Initiation: Part 1. Foreâ€arc Basalts of the Izuâ€Bonin Arc From IODP Expedition 352. Geochemistry, Geophysics, Geosystems, 2019, 20, 314-338. | 2.5 | 113 |
| 3 | Lithium, boron, and lead isotope systematics of glass inclusions in olivines from Hawaiian lavas: evidence for recycled components in the Hawaiian plume. Chemical Geology, 2004, 212, 143-161. | 3.3 | 89 |
| 4 | Cr-spinel, an excellent micro-container for retaining primitive melts â€“ implications for a hydrous plume origin for komatiites. Earth and Planetary Science Letters, 2001, 189, 177-188. | 4.4 | 60 |
| 5 | The Geochemistry of Ultramafic to Mafic Volcanics from the Belingwe Greenstone Belt, Zimbabwe: Magmatism in an Archean Continental Large Igneous Province. Journal of Petrology, 2005, 46, 2367-2394. | 2.8 | 59 |
| 6 | Variety and origin of magmas on Shatsky Rise, northwest Pacific Ocean. Geochemistry, Geophysics, Geosystems, 2012, 13, . | 2.5 | 55 |
| 7 | Magmatic Response to Subduction Initiation, Part II: Boninites and Related Rocks of the Izuâ€Bonin Arc From IODP Expedition 352. Geochemistry, Geophysics, Geosystems, 2021, 22, . | 2.5 | 52 |
| 8 | Hydrogen-rich hydrothermal environments in the Hadean ocean inferred from serpentinization of komatiites at 300ÂÂ°C and 500Âbar. Progress in Earth and Planetary Science, 2015, 2, . | 3.0 | 45 |
| 9 | Buoyant hydrous mantle plume from the mantle transition zone. Scientific Reports, 2019, 9, 6549. | 3.3 | 43 |
| 10 | Simultaneous determinations of fluorine, chlorine, and sulfur in rock samples by ion chromatography combined with pyrohydrolysis. Geochemical Journal, 2015, 49, 113-124. | 1.0 | 36 |
| 11 | CO2-rich komatiitic melt inclusions in Cr-spinels within beach sand from Gorgona Island, Colombia. Earth and Planetary Science Letters, 2009, 288, 33-43. | 4.4 | 34 |
| 12 | H<sub>2</sub>O, CO<sub>2</sub>, F, S, Cl, and P<sub>2</sub>O<sub>5</sub> analyses of silicate glasses using SIMS: Report of volatile standard glasses. Geochemical Journal, 2017, 51, 299-313. | 1.0 | 32 |
| 13 | H2 generation by experimental hydrothermal alteration of komatiitic glass at 300Â°C and 500 bars: A preliminary result from on-going experiment. Geochemical Journal, 2009, 43, e17-e22. | 1.0 | 30 |
| 14 | Osmium behavior in a subduction system elucidated from chromian spinel in Bonin Island beach sands. Geology, 2011, 39, 999-1002. | 4.4 | 29 |
| 15 | Tiny droplets of ocean island basalts unveil Earthâ€™s deep chlorine cycle. Nature Communications, 2019, 10, 60. | 12.8 | 26 |
| 16 | Mineral compositions and thermobarometry of basalts and boninites recovered during IODP Expedition 352 to the Bonin forearc. American Mineralogist, 2020, 105, 1490-1507. | 1.9 | 26 |
| 17 | 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). Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009054. | 2.5 | 22 |
| 18 | Ion Chromatographic Determination of Fluorine and Chlorine in Silicate Rocks Following Alkaline Fusion. Geostandards and Geoanalytical Research, 2006, 30, 121-129. | 1.9 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ancient depleted mantle as a source of boninites in the Izu-Bonin-Mariana arc: Evidence from Os isotopes in Cr-spinel and magnetite. Chemical Geology, 2016, 439, 110-119. | 3.3 | 21 |
| 20 | Collision-induced post-plateau volcanism: Evidence from a seamount on Ontong Java Plateau. Lithos, 2017, 294-295, 87-96. | 1.4 | 21 |
| 21 | Identifying volatile mantle trend with the waterâ€“fluorineâ€“cerium systematics of basaltic glass. Chemical Geology, 2019, 522, 283-294. | 3.3 | 18 |
| 22 | Covariation of Slab Tracers, Volatiles, and Oxidation During Subduction Initiation. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009823. | 2.5 | 15 |
| 23 | Paleo-elevation and subsidence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mo>â^¼</mml:mo><mml:mn>145</mml:mn><mml:mspace width="0.25em" /><mml:mtext>Ma</mml:mtext></mml:math> Shatsky Rise inferred from CO2 and H2O in fresh volcanic glass. Earth and Planetary Science Letters, 2013, 383, 37-44. | 4.4 | 14 |
| 24 | Petit-spot volcanoes on the oldest portion of the Pacific plate. Deep-Sea Research Part I: Oceanographic Research Papers, 2019, 154, 103142. | 1.4 | 13 |
| 25 | Discovery of Archean continental and mantle fragments inferred from xenocrysts in komatiites, the Belingwe greenstone belt, Zimbabwe. Geology, 2004, 32, 285. | 4.4 | 12 |
| 26 | Fluxâ€Free Fusion of Silicate Rock Preceding Acid Digestion for ICPâ€MS Bulk Analysis. Geostandards and Geoanalytical Research, 2011, 35, 45-55. | 3.1 | 11 |
| 27 | Determination of total CO2 in melt inclusions with shrinkage bubbles. Chemical Geology, 2020, 557, 119855. | 3.3 | 11 |
| 28 | Temporal Evolution of Proto-Izuâ€“Boninâ€“Mariana Arc Volcanism over 10â€‰Myr: Constraints from Statistical Analysis of Melt Inclusion Compositions. Journal of Petrology, 2020, 61, . | 2.8 | 10 |
| 29 | Serpentinite enigma of the Rakhabdev lineament in western India: Origin, deformation characterization and tectonic implications. Journal of Mineralogical and Petrological Sciences, 2020, 115, 216-226. | 0.9 | 9 |
| 30 | Water enrichment in the mid-ocean ridge by recycling of mantle wedge residue. Earth and Planetary Science Letters, 2022, 584, 117455. | 4.4 | 9 |
| 31 | Persistent gas emission originating from a deep basaltic magma reservoir of an active volcano: the case of Aso volcano, Japan. Contributions To Mineralogy and Petrology, 2021, 176, 1. | 3.1 | 8 |
| 32 | Noble gas evidence for the presence of recycled material in magma sources of the Shatsky Rise. Special Paper of the Geological Society of America, 0, , 57-67. | 0.5 | 5 |
| 33 | Isotopic evidence for a link between the Lyra Basin and Ontong Java Plateau. Special Paper of the Geological Society of America, 0, , 251-269. | 0.5 | 5 |
| 34 | Boron and chlorine contents of basalts from the Shatsky Rise, IODP Expedition 324: Implications for the alteration of oceanic plateaus. Special Paper of the Geological Society of America, 0, , 69-84. | 0.5 | 5 |
| 35 | Tracing the subducting Pacific slab to the mantle transition zone with hydrogen isotopes. Scientific Reports, 2021, 11, 18755. | 3.3 | 5 |
| 36 | <i>In situ</i> analyses of hydrogen and sulfur isotope ratios in basaltic glass using SIMS. Geochemical Journal, 2019, 53, 195-207. | 1.0 | 5 |

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|---|---|---|---|
| 37 | Alkalic magmatism in the Lyra Basin: A missing link in the late-stage evolution of the Ontong Java Plateau. Special Paper of the Geological Society of America, 0, , 233-249. | 0.5 | 4 |
| 38 | Testing the Ontong Java Nui Hypothesis: The Largest Supervolcano Ever on Earth. Journal of Geography (Chigaku Zasshi), 2021, 130, 559-584. | 0.3 | 4 |
| 39 | High-precision <i>in situ</i> analysis of Pb isotopes in melt inclusions by LA-ICP-MS and application of Independent Component Analysis. Geochemical Journal, 2018, 52, 69-74. | 1.0 | 3 |
| 40 | FORE-ARC BASALT TO BONINITE MAGMATISM: CHARACTERIZING THE TRANSITION FROM DECOMPRESSION TO FLUID FLUX MELTING AFTER SUBDUCTION INITIATION. , 2017, , . | | 2 |
| 41 | Suspected meteorite fragments in marine sediments from East Antarctica. Antarctic Science, 2018, 30, 307-321. | 0.9 | 1 |
| 42 | Survey of impact glasses in shergottites searching for Martian sulfate using X-ray absorption near-edge structure. Geochimica Et Cosmochimica Acta, 2021, 313, 85-98. | 3.9 | 0 |