Yuka Hirahara

List of Publications by Year
in descending order

29	1,022	430874	501196
papers	citations	18 h-index	28 g-index

29	29	29	1081
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geochemical secular variation of magma source during Early to Middle Miocene time in the Niigata area, NE Japan: Asthenospheric mantle upwelling during back-arc basin opening. Lithos, 2006, 86, 1-33.	1.4	113
2	Silicic Magmas in the Izuâ€“Bonin Oceanic Arc and Implications for Crustal Evolution. Journal of Petrology, 2009, 50, 685-723.	2.8	112
3	Geochemical characteristics and origin of the HIMU reservoir: A possible mantle plume source in the lower mantle. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	105
4	High-Mg Adakite and Low-Ca Boninite from a Bonin Fore-arc Seamount: Implications for the Reaction between Slab Melts and Depleted Mantle. Journal of Petrology, 2013, 54, 1149-1175.	2.8	91
5	Recycled ancient ghost carbonate in the Pitcairn mantle plume. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8682-8687.	7.1	73
6	Isotope evolution in the HIMU reservoir beneath St. Helena: Implications for the mantle recycling of U and Th. Geochimica Et Cosmochimica Acta, 2014, 143, 232-252.	3.9	54
7	Geochemical variations in Japan Sea backâ€arc basin basalts formed by highâ€temperature adiabatic melting of mantle metasomatized by sediment subduction components. Geochemistry, Geophysics, Geosystems, 2015, 16, 1324-1347.	2.5	49
8	Sr and Nd isotopic compositions of the magma source beneath north Hokkaido, Japan: comparison with the back-arc side in the NE Japan arc. Journal of Volcanology and Geothermal Research, 2004, 134, 57-75.	2.1	40
9	Geochemical and isotopic constraints on the genesis of the Permian ferropicritic rocks from the Minoâ€“Tamba belt, SW Japan. Lithos, 2006, 89, 47-65.	1.4	40
10	Missing western half of the <scp>P</scp>acific <scp>P</scp>late: Geochemical nature of the <scp>I</scp>zanagiâ€‹<scp>P</scp>acific <scp>R</scp>idge interaction with a stationary boundary between the <scp>I</scp>ndian and <scp>P</scp>acific mantles. Geochemistry, Geophysics, Geosystems, 2015, 16, 3309-3332.	2.5	34
11	Precise determination of Sr isotope ratios in igneous rock samples and application to micro-analysis of plagioclase phenocrysts. JAMSTEC Report of Research and Development, 2009, 2009, 59-64.	0.2	34
12	Sm-Nd data for granitoids across the Namaqua sector of the Namaqua-Natal Province, South Africa. Geological Society Special Publication, 2009, 323, 219-230.	1.3	31
13	Melting of the Uppermost Metasomatized Asthenosphere Triggered by Fluid Fluxing from Ancient Subducted Sediment: Constraints from the Quaternary Basalt Lavas at Chugaryeong Volcano, Korea. Journal of Petrology, 2014, 55, 499-528.	2.8	26
14	Water content of primitive low-K tholeiitic basalt magma from Iwate Volcano, NE Japan arc: implications for differentiation mechanism of frontal-arc basalt magmas. Mineralogy and Petrology, 2014, 108, 1-11.	1.1	25
15	Acrossâ€‹and alongâ€arc geochemical variations of lava chemistry in the Sangihe arc: Various fluid and melt slab fluxes in response to slab temperature. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	23
16	Development of a fully automated open-column chemical-separation system—COLUMNSPIDER—and its application to Sr-Nd-Pb isotope analyses of igneous rock samples. Journal of Mineralogical and Petrological Sciences, 2012, 107, 74-86.	0.9	22
17	Primary melt from Sannome-gata volcano, NE Japan arc: constraints on generation conditions of rear-arc magmas. Contributions To Mineralogy and Petrology, 2014, 167, 1.	3.1	20
18	Clinopyroxene and bulk rock Srâ€“Ndâ€“Hfâ€“Pb isotope compositions of Raivavae ocean island basalts: Does clinopyroxene record early stage magma chamber processes?. Chemical Geology, 2018, 482, 18-31.	3.3	19

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19	Improved Nd chemical separation technique for 143Nd/144Nd analysis in geological samples using packed Ln resin columns. JAMSTEC Report of Research and Development, 2012, 15, 27-33.	0.2	18
20	Hfâ€“Nd isotope constraints on the origin of Dehshir Ophiolite, Central Iran. Island Arc, 2012, 21, 202-214.	1.1	17
21	Petrogenesis of the Kaikomagatake granitoid pluton in the Izu Collision Zone, central Japan: implications for transformation of juvenile oceanic arc into mature continental crust. Contributions To Mineralogy and Petrology, 2012, 163, 611-629.	3.1	15
22	Precise Nd isotope analysis of igneous rocks using cation exchange chromatography and thermal ionization mass spectrometry (TIMS). JAMSTEC Report of Research and Development, 2009, 2009, 65-71.	0.2	15
23	Geochemical mapping of slab-derived fluid and source mantle along Japan arcs. Gondwana Research, 2019, 70, 36-49.	6.0	14
24	Precise Pb isotope analysis of igneous rocks using fully-automated double spike thermal ionization mass spectrometry (FA -DS- TIMS). JAMSTEC Report of Research and Development, 2009, 2009, 73-80.	0.2	13
25	Linking Chemical Heterogeneity to Lithological Heterogeneity of the Samoan Mantle Plume With Feâ€Srâ€Ndâ€Pb Isotopes. Journal of Geophysical Research: Solid Earth, 2021, 126, .	3.4	10
26	Spatial variation of Sr-Nd-Hf isotopic compositions in from Cretaceous to Paleogene granitoids from Northeastern Japan Arc. Ganseki Kobutsu Kagaku, 2015, 44, 91-111.	0.1	5
27	Petrology and geochemistry of Miocene igneous rocks on Rebun Island, northern Hokkaido, Japan. Journal of Mineralogical and Petrological Sciences, 2008, 103, 412-426.	0.9	3
28	Internal structure and formation of the Cape Sukoton doleritic intrusion, Rebun Island, Hokkaido, Japan. Journal of the Geological Society of Japan, 2003, 109, 442-458.	0.6	1
29	Genesis of the Nishiasahi basic intrusive complex in the Asahi Mountains prior to the Cretaceous felsic magmatism. Ganseki Kobutsu Kagaku, 2015, 44, 189-204.	0.1	0