Takeshi Hanyu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2167537/publications.pdf

Version: 2024-02-01

49 papers	1,929 citations	279798 23 h-index	254184 43 g-index
51 all docs	51 docs citations	51 times ranked	1628 citing authors

#	Article	IF	Citations
1	An eclogitic component in the Pitcairn mantle plume: Evidence from olivine compositions and Fe isotopes of basalts. Geochimica Et Cosmochimica Acta, 2022, 318, 415-427.	3.9	15
2	Variety of the drift pumice clasts from the 2021 <scp>Fukutokuâ€Okaâ€noâ€Ba</scp> eruption, Japan. Island Arc, 2022, 31, .	1.1	28
3	Magnesium isotopic fractionation during basalt differentiation as recorded by evolved magmas. Earth and Planetary Science Letters, 2021, 565, 116954.	4.4	28
4	Testing the Ontong Java Nui Hypothesis: The Largest Supervolcano Ever on Earth. Journal of Geography (Chigaku Zasshi), 2021, 130, 559-584.	0.3	4
5	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
6	Determination of total CO2 in melt inclusions with shrinkage bubbles. Chemical Geology, 2020, 557, 119855.	3.3	11
7	Two-stages of plume tail volcanism formed Ojin Rise Seamounts adjoining Shatsky Rise. Lithos, 2020, 372-373, 105652.	1.4	6
8	Tiny droplets of ocean island basalts unveil Earthâ€™s deep chlorine cycle. Nature Communications, 2019, 10, 60.	12.8	26
9	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
10	Thallium isotope systematics in volcanic rocks from St. Helena â€" Constraints on the origin of the HIMU reservoir. Chemical Geology, 2018, 476, 292-301.	3.3	24
11	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
12	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
13	Collision-induced post-plateau volcanism: Evidence from a seamount on Ontong Java Plateau. Lithos, 2017, 294-295, 87-96.	1.4	21
14	Key new pieces of the HIMU puzzle from olivines and diamond inclusions. Nature, 2016, 537, 666-670.	27.8	118
15	Reâ€Os isotope and platinum group elements of a FOcal ZOne mantle source, <scp>L</scp>ouisville Seamounts Chain, <scp>P</scp>acific ocean. Geochemistry, Geophysics, Geosystems, 2015, 16, 486-504.	2.5	11
16	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
17	Accumulation of â€˜anti-continentâ€™ at the base of the mantle and its recycling in mantle plumes. Geochimica Et Cosmochimica Acta, 2014, 143, 23-33.	3.9	11
18	Deep plume origin of the Louisville hotspot: Noble gas evidence. Geochemistry, Geophysics, Geosystems, 2014, 15, 565-576.	2.5	12

#	Article	IF	Citations
19	Uranium isotope systematics of ferromanganese crusts in the Pacific Ocean: Implications for the marine 238U/235U isotope system. Geochimica Et Cosmochimica Acta, 2014, 146, 43-58.	3.9	85
20	Geochemical diversity in submarine HIMU basalts from Austral Islands, French Polynesia. Contributions To Mineralogy and Petrology, 2013, 166, 1285-1304.	3.1	16
21	Origin of hotspots in the South Pacific: Recent advances in seismological and geochemical models. Geochemical Journal, 2013, 47, 259-284.	1.0	12
22	Pb isotope analyses of silicate rocks and minerals with Faraday detectors using enhanced-sensitivity laser ablation-multiple collector-inductively coupled plasma mass spectrometry. Geochemical Journal, 2013, 47, 369-384.	1.0	14
23	Limited latitudinal mantle plume motion for the Louisville hotspot. Nature Geoscience, 2012, 5, 911-917.	12.9	85
24	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
25	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
26	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
27	Constraints on the origin of the HIMU reservoir from Heâ€"Neâ€"Ar isotope systematics. Earth and Planetary Science Letters, 2011, 307, 377-386.	4.4	36
28	The Petrology and Geochemistry of St. Helena Alkali Basalts: Evaluation of the Oceanic Crust-recycling Model for HIMU OIB. Journal of Petrology, 2011, 52, 791-838.	2.8	125
29	Southern Louisiana salt dome xenoliths: First glimpse of Jurassic (ca. 160 Ma) Gulf of Mexico crust. Geology, 2011, 39, 315-318.	4.4	41
30	Multi-chronology of volcanic rocks leading to reliable age estimates of volcanic activity: an example from the Setouchi volcanic rocks on Shodo-Shima Island, SW Japan. Journal of the Geological Society of Japan, 2010, 116, 661-679.	0.6	13
31	Source materials for inception stage Hawaiian magmas: Pbâ€He isotope variations for early Kilauea. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	12
32	Review of five years of activity at IFREE /JAMSTEC. JAMSTEC Report of Research and Development, 2009, 9, 2_43-2_94.	0.2	1
33	Geochemical Differences of the Hawaiian Shield Lavas: Implications for Melting Process in the Heterogeneous Hawaiian Plume. Journal of Petrology, 2009, 50, 1553-1573.	2.8	68
34	Noble gas isotopic compositions of mantle xenoliths from northwestern Pacific lithosphere. Chemical Geology, 2009, 268, 313-323.	3.3	21
35	W isotope compositions of oceanic islands basalts from French Polynesia and their meaning for coreâ€"mantle interaction. Chemical Geology, 2009, 260, 37-46.	3.3	23
36	Noble gas and geochronology study of the Hana Ridge, Haleakala volcano, Hawaii; implications to the temporal change of magma source and the structural evolution of the submarine ridge. Chemical Geology, 2007, 238, 1-18.	3.3	16

#	Article	IF	Citations
37	Contribution of slab melting and slab dehydration to magmatism in the NE Japan arc for the last 25 Myr: Constraints from geochemistry. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	176
38	Noble gas systematics of submarine alkalic lavas near the Hawaiian hotspot. Chemical Geology, 2005, 214, 135-155.	3.3	27
39	Hafnium isotope ratios of nine GSJ reference samples. Geochemical Journal, 2005, 39, 83-90.	1.0	14
40	Geochemical modeling of dehydration and partial melting of subducting lithosphere: Toward a comprehensive understanding of high-Mg andesite formation in the Setouchi volcanic belt, SW Japan. Geochemistry, Geophysics, Geosystems, 2003, 4, n/a-n/a.	2.5	150
41	A contribution of slab-melts to the formation of high-Mg andesite magmas; Hf isotopic evidence from SW Japan. Geophysical Research Letters, 2002, 29, 8-1-8-4.	4.0	53
42	Noble gas systematics of the Hawaiian volcanoes based on the analysis of Loihi, Kilauea and Koolau submarine rocks. Geophysical Monograph Series, 2002, , 373-389.	0.1	10
43	Noble gas study of the Reunion hotspot: evidence for distinct less-degassed mantle sources. Earth and Planetary Science Letters, 2001, 193, 83-98.	4.4	60
44	Constraints on HIMU and EM by Sr and Nd isotopes re-examined. Earth, Planets and Space, 2000, 52, 61-70.	2.5	25
45	Noble gas study of HIMU and EM ocean island basalts in the Polynesian region. Geochimica Et Cosmochimica Acta, 1999, 63, 1181-1201.	3.9	42
46	Open system behavior of helium in case of the HIMU source area. Geophysical Research Letters, 1998, 25, 687-690.	4.0	25
47	Magmatic processes revealed by noble gas signatures: the case of Unzen Volcano, Japan.. Geochemical Journal, 1997, 31, 395-405.	1.0	12
48	The uniform and low 3He/4He ratios of HIMU basalts as evidence for their origin as recycled materials. Nature, 1997, 390, 273-276.	27.8	131
49	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