Takeyoshi Yoshida

List of Publications by Year
in descending order

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80 papers	2,741 citations	201674 27 h-index	189892 50 g-index
80 all docs	80 docs citations	80 times ranked	2171 citing authors

#	Article	IF	Citations
1	Contributions of Slab Fluid, Mantle Wedge and Crust to the Origin of Quaternary Lavas in the NE Japan Arc. Journal of Petrology, 2006, 47, 2185-2232.	2.8	463
2	Reinitiation of subduction and magmatic responses in SW Japan during Neogene time. Bulletin of the Geological Society of America, 2005, 117, 969.	3.3	212
3	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
4	Threeâ€dimensional dynamics of hydrous thermalâ€chemical plumes in oceanic subduction zones. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	112
5	Supervised landform classification of Northeast Honshu from DEM-derived thematic maps. Geomorphology, 2006, 78, 373-386.	2.6	110
6	Bioessential element-depleted ocean following the euxinic maximum of the end-Permian mass extinction. Earth and Planetary Science Letters, 2014, 393, 94-104.	4.4	77
7	Arc Basalt Simulator version 2, a simulation for slab dehydration and fluidâ€fluxed mantle melting for arc basalts: Modeling scheme and application. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	76
8	Evolution of late Cenozoic magmatism and the crustâ€“mantle structure in the NE Japan Arc. Geological Society Special Publication, 2014, 385, 335-387.	1.3	58
9	Tertiary Ishizuchi Cauldron, southwestern Japan Arc: Formation by ring fracture subsidence. Journal of Geophysical Research, 1984, 89, 8502-8510.	3.3	55
10	Petrology and geochemistry of the Nyamuragira volcano, Zaire. Journal of Volcanology and Geothermal Research, 1985, 25, 1-28.	2.1	52
11	Laboratory measurement of P-wave velocity in crustal and upper mantle xenoliths from Ichino-megata, NE Japan: ultrabasic hydrous lower crust beneath the NE Honshu arc. Tectonophysics, 2005, 396, 245-259.	2.2	50
12	Relationships between Kuroko volcanogenic massive sulfide (VMS) deposits, felsic volcanism, and island arc development in the northeast Honshu arc, Japan. Mineralium Deposita, 2011, 46, 431-448.	4.1	48
13	Trace elements and Nd-Sr isotopes of island arc tholeiites from frontal arc of Northeast Japan.. Geochemical Journal, 1992, 26, 261-277.	1.0	47
14	Chemical Diversity of the Ueno Basalts, Central Japan: Identification of Mantle and Crustal Contributions to Arc Basalts. Journal of Petrology, 2002, 43, 1923-1946.	2.8	47
15	Simultaneous high Pâ€T measurements of ultrasonic compressional and shear wave velocities in Ichinoâ€megata mafic xenoliths: Their bearings on seismic velocity perturbations in lower crust of northeast Japan arc. Journal of Geophysical Research, 2008, 113, .	3.3	46
16	Late Cenozoic tectonic development of the back arc region of central northern Honshu, Japan, revealed by recent deep seismic profiling. Journal of the Japanese Association for Petroleum Technology, 2004, 69, 145-154.	0.0	44
17	Structural control on late Miocene to Quaternary volcanism in the NE Honshu arc, Japan. Tectonics, 2008, 27, .	2.8	41
18	Correction to â€œApplication of the model of small-scale convection under the island arc to the NE Honshu subduction zoneâ€• Geochemistry, Geophysics, Geosystems, 2005, 6, .	2.5	40

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19	Multiple tectonic events in the Miocene Japan arc: The Heike microplate hypothesis.. Journal of Mineralogy, Petrology and Economic Geology, 1998, 93, 389-408.	0.1	39
20	Multiple magma sources involved in marginal-sea formation: Pb, Sr, and Nd isotopic evidence from the Japan Sea region. Geology, 1998, 26, 619.	4.4	38
21	Across-arc compositional variation of the Quaternary basaltic rocks from the northeast Japan arc.. Journal of Mineralogy, Petrology and Economic Geology, 1988, 83, 9-25.	0.1	37
22	Tectonic evolution and deep to shallow geometry of Nagamachi-Rifu Active Fault System, NE Japan. Earth, Planets and Space, 2002, 54, 1039-1043.	2.5	36
23	Geology, petrology and tectonic setting of the Late Jurassic ophiolite in Hokkaido, Japan. Journal of Asian Earth Sciences, 2002, 21, 197-215.	2.3	36
24	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
25	Evolution of Late Cenozoic Magmatism in the NE Honshu Arc and Its Relation to the Crust-Mantle Structures. The Quaternary Research, 2005, 44, 195-216.	0.1	34
26	Heterogeneities in Stress and Strength in Tohoku and Its Relationship with Earthquake Sequences Triggered by the 2011 M9 Tohoku-Oki Earthquake. Pure and Applied Geophysics, 2019, 176, 1335-1355.	1.9	32
27	Seismic imaging of the Amurâ€“Okhotsk plate boundary zone in the Japan Sea. Physics of the Earth and Planetary Interiors, 2011, 188, 82-95.	1.9	31
28	Temporal variation of frictional strength in an earthquake swarm in NE Japan caused by fluid migration. Journal of Geophysical Research: Solid Earth, 2016, 121, 5953-5965.	3.4	29
29	Transition of magmatic composition reflecting an evolution of rifting activity. A case study of the Akita-Yamagata basin in Early to Middle Miocene, Northeast Honshu, Japan.. Ganseki Kobutsu Kagaku, 2001, 30, 265-287.	0.1	29
30	Spatial and temporal evolution of arc volcanism in the northeast Honshu and Izu-Bonin Arcs: Evidence of small-scale convection under the island arc?. Island Arc, 2007, 16, 214-223.	1.1	28
31	Application of the model of small-scale convection under the island arc to the NE Honshu subduction zone. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	2.5	26
32	Effects of oblique subduction on the 3-D pattern of small-scale convection within the mantle wedge. Geophysical Research Letters, 2005, 32, .	4.0	26
33	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
34	Crustal heterogeneity around the Nagamachi-Rifu fault, northeastern Japan, as inferred from travel-time tomography. Earth, Planets and Space, 2006, 58, 843-853.	2.5	24
35	Magma plumbing system beneath Ontake Volcano, central Japan. Island Arc, 1999, 8, 1-29.	1.1	22
36	Characterization of volcanic geomorphology and geology by slope and topographic openness. Geomorphology, 2010, 118, 22-32.	2.6	22

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37	Volcanic Sequences Related to Kuroko Mineralization in the Hokuroku District, Northeast Japan. Resource Geology, 2004, 54, 399-412.	0.8	20
38	Magnetite microexsolutions in silicate and magmatic flow fabric of the Goyozan granitoid (NE Japan): Significance of partial remanence anisotropy. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	20
39	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
40	Aoso-Osore volcanic zone - The volcanic front of the Northeast Honshu arc, Japan.. Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists, 1986, 81, 471-478.	0.2	20
41	Fukutoku-oka-no-ba Volcano: A new perspective on the Alkalic Volcano Province in the Izu-Bonin - Mariana arc. Island Arc, 1998, 7, 432-442.	1.1	19
42	Arc-type and intraplate-type ridge basalts formed at the trench-trench-ridge triple junction: Implication for the extensive sub-ridge mantle heterogeneity. Island Arc, 1997, 6, 197-212.	1.1	18
43	Mantle diapirâ€induced arc volcanism: The Ueno Basalts, Nomugiâ€Toge and Hida volcanic suites, central Japan. Island Arc, 1999, 8, 304-322.	1.1	18
44	Late Jurassicâ€“Early Cretaceous intra-arc sedimentation and volcanism linked to plate motion change in northern Japan. Geological Magazine, 2006, 143, 753-770.	1.5	18
45	P-wave tomography, anisotropy and seismotectonics in the eastern margin of Japan Sea. Tectonophysics, 2010, 489, 177-188.	2.2	18
46	Ti-rich hydroandradites from the Sanbagawa metamorphic rocks of the Shibukawa area, central Japan. Contributions To Mineralogy and Petrology, 1982, 80, 183-188.	3.1	16
47	Genesis of the extremely low-K tonalites from the island arc volcanism. Bulletin of Volcanology, 1989, 51, 346-354.	3.0	16
48	Stratigraphy and sedimentary environments of the Sorachi and Yezo Groups in the Yubari-Ashibetsu area, Hokkaido, Japan.. Journal of the Geological Society of Japan, 2001, 107, 359-378.	0.6	16
49	Chemical and Isotopic Characteristics of the <scp>K</scp>uroko‐Forming Volcanism. Resource Geology, 2012, 62, 369-383.	0.8	14
50	Photon-activation analysis of standard rocks using an automatic .GAMMA.-ray counting system with a micro-robot.. Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists, 1986, 81, 406-422.	0.2	14
51	Determination of trace and ultra-trace elements in 32 international geostandards by ICP-MS.. Journal of Mineralogy, Petrology and Economic Geology, 1992, 87, 107-122.	0.1	13
52	Timescale of magma chamber processes revealed by Uâ€“Pb ages, trace element contents and morphology of zircons from the Ishizuchi caldera, Southwest Japan Arc. Island Arc, 2017, 26, e12182.	1.1	13
53	Petrology of the Oligocene volcanic rocks from the Okushiri Island, southwest Hokkaido, Japan. Oligocene frontal volcanism of the Eurasian continental margin.. Journal of Mineralogy, Petrology and Economic Geology, 1993, 88, 83-99.	0.1	13
54	Magma Transfer Processes in the NE Japan Arc: Insights From Crustal Ambient Noise Tomography Combined With Volcanic Eruption Records. Frontiers in Earth Science, 2019, 7, .	1.8	11

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55	Electron probe study of Ti-rich hydroandradites in the Sanbagawa metamorphic rocks.. Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists, 1981, 76, 239-247.	0.2	10
56	Geology and geochemistry of lavas at Nekoma volcano: Implications for origin of Quaternary low-K andesite in the north-eastern Honshu arc, Japan. Island Arc, 2001, 10, 116-134.	1.1	10
57	Heterogeneous stress state of island arc crust in northeastern Japan affected by hot mantle fingers. Journal of Geophysical Research: Solid Earth, 2016, 121, 3099-3117.	3.4	10
58	The Fukuyama volcanic rocks: Submarine composite volcano in the Late Miocene to Early Pliocene Akitaâ€“Yamagata back-arc basin, northeast Honshu, Japan. Sedimentary Geology, 2009, 220, 243-255.	2.1	9
59	Subduction-zone type greenstones from the northern Shimanto belt in southeastern Tokushima Prefecture, Southwest Japan.. Journal of Mineralogy, Petrology and Economic Geology, 1998, 93, 83-102.	0.1	9
60	Late Cenozoic Igneous Activity and Crustal Structure in the NE Japan Arc: Background of Inland Earthquake Activity. Journal of Geography (Chigaku Zasshi), 2020, 129, 529-563.	0.3	9
61	1996 Onikobe Earthquakes and their Relation to Crustal Structure. Zisin (Journal of the Seismological) Tj ETQq1 1 0.784314 rgBT /Ov	0.2	8
62	Internal differentiation of Kutsugata lava flow from Rishiri Volcano, Japan: Processes and timescales of segregation structures' formation. Journal of Volcanology and Geothermal Research, 2010, 195, 57-68.	2.1	7
63	Alteration of basalts from the Shimanto belt in southeastern Tokushima Prefecture, Southwest Japan.. Journal of Mineralogy, Petrology and Economic Geology, 1999, 94, 11-36.	0.1	7
64	Major and trace element analyses of igneous rocks by polarizing energy dispersive X-ray fluorescence spectrometry (EDXRF). Ganseki Kobutsu Kagaku, 2014, 43, 47-53.	0.1	6
65	Identification of the source caldera for a Pliocene ash-flow tuff in Northeast Japan based on apatite trace-element compositions and zircon U-Pb ages. Journal of Volcanology and Geothermal Research, 2020, 401, 106948.	2.1	6
66	Ishizuchi collapse caldera and Tengudake pyroclastic flow, Shikoku Island. Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists, 1970, 64, 1-12.	0.2	6
67	INTERNAL STRUCTURE OF KUTSUGATA LAVA FLOW, RISHIRI VOLCANO. Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists, 1981, 76, 181-194.	0.2	6
68	Geological structures controlled the rupture process of the 2011 M9.0 Tohoku-Oki earthquake in the Northeast Japan Arc. Earth, Planets and Space, 2020, 72, .	2.5	5
69	Notes on petrography and rock-forming mineralogy (10). Awaruite and other accessory minerals coexisting with Ti-rich hydroandradite in metamorphosed ultramafics of the Sanbagawa belt.. Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists, 1981, 76, 372-375.	0.2	5
70	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
71	Major and trace element concentrations of Korean Geostandard rock samples.. Journal of Mineralogy, Petrology and Economic Geology, 1996, 91, 102-108.	0.1	4
72	Kuroko deposits and related back-arc volcanism in the Hokuroku district. Journal of the Geological Society of Japan, 2013, 119, S168-S179.	0.6	4

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73	Magma plumbing systems of the Latest Miocene Oki Alkaline Volcanic Group, Oki-Dogo Island, SW Japan, based on geology and petrology.. Ganseki Kobutsu Kagaku, 2002, 31, 137-161.	0.1	4
74	Spatiotemporal variations in the stress field in the northeasternmost part of the NE Japan arc: constraints from microearthquakes. Earth, Planets and Space, 2020, 72, .	2.5	3
75	Unusual pyralspite-ugrandite garnets from the Sanbagawa metamorphic rocks in central Shikoku.. Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists, 1977, 72, 383-393.	0.2	3
76	Geology and geochemistry of lavas at Nekoma volcano: Implications for origin of Quaternary lowâ€K andesite in the northâ€eastern Honshu arc, Japan. Island Arc, 2001, 10, 116-134.	1.1	2
77	Causes of the Nâ€“S compressional aftershocks of the Eâ€“W compressional 2008 Iwateâ€“Miyagi Nairiku earthquake (M7.2) in the northeastern Japan arc. Earth, Planets and Space, 2019, 71, .	2.5	2
78	Delineation of buried caldera rims from gravity data. Theory and Applications of GIS, 2012, 20, 173-183.	0.1	2
79	Stratigraphic and Petrological Insights into the Late Jurassicâ€“ Early Cretaceous Tectonic Framework of the Northwest Pacific Margin. , 2017, , .		0
80	Notes on petrography and rock-forming mineralogy. 4. Rapidly crystallized clinopyroxenes from two Paleozoic greenstones.. Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists, 1978, 73, 388-392.	0.2	0