

Yoshihiko Tamura

List of Publications by Year in descending order

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74
papers

2,831
citations

186265
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75
all docs

75
docs citations

75
times ranked

2088
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot fingers in the mantle wedge: new insights into magma genesis in subduction zones. <i>Earth and Planetary Science Letters</i> , 2002, 197, 105-116.	4.4	282
2	Remelting of an Andesitic Crust as a Possible Origin for Rhyolitic Magma in Oceanic Arcs: an Example from the Izu-Bonin Arc. <i>Journal of Petrology</i> , 2002, 43, 1029-1047.	2.8	217
3	Long-term eruptive activity at a submarine arc volcano. <i>Nature</i> , 2006, 441, 494-497.	27.8	141
4	Seismological evidence for variable growth of crust along the Izu intraoceanic arc. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	141
5	New seismological constraints on growth of continental crust in the Izu-Bonin intra-oceanic arc. <i>Geology</i> , 2007, 35, 1031.	4.4	115
6	Across-arc geochemical trends in the Izu-Bonin arc: Contributions from the subducting slab, revisited. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	113
7	Silicic Magmas in the Izu-Bonin Oceanic Arc and Implications for Crustal Evolution. <i>Journal of Petrology</i> , 2009, 50, 685-723.	2.8	112
8	Genesis of Island Arc Magmas by Mantle-Derived Bimodal Magmatism: Evidence from the Shirahama Group, Japan. <i>Journal of Petrology</i> , 1994, 35, 619-645.	2.8	107
9	Origin of silicic magmas and the compositional gap at Sumisu submarine caldera, Izu-Bonin arc, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 156, 187-216.	2.1	86
10	Migrating shoshonitic magmatism tracks Izu-Bonin-Mariana intra-oceanic arc rift propagation. <i>Earth and Planetary Science Letters</i> , 2010, 294, 111-122.	4.4	86
11	Heat flow in the Lesser Antilles island arc and adjacent back arc Grenada basin. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	80
12	Are Arc Basalts Dry, Wet, or Both? Evidence from the Sumisu Caldera Volcano, Izu-Bonin Arc, Japan. <i>Journal of Petrology</i> , 2005, 46, 1769-1803.	2.8	70
13	Mission Immiscible: Distinct Subduction Components Generate Two Primary Magmas at Pagan Volcano, Mariana Arc. <i>Journal of Petrology</i> , 2014, 55, 63-101.	2.8	69
14	Primary Arc Basalts from Daisen Volcano, Japan: Equilibrium Crystal Fractionation versus Disequilibrium Fractionation during Supercooling. <i>Journal of Petrology</i> , 2000, 41, 431-448.	2.8	67
15	Wet and Dry Basalt Magma Evolution at Torishima Volcano, Izu-Bonin Arc, Japan: the Possible Role of Phengite in the Downgoing Slab. <i>Journal of Petrology</i> , 2007, 48, 1999-2031.	2.8	62
16	Lower crustal H ₂ O controls on the formation of adakitic melts. <i>Geology</i> , 2012, 40, 487-490.	4.4	62
17	Submarine record of volcanic island construction and collapse in the Lesser Antilles arc: First scientific drilling of submarine volcanic island landslides by IODP Expedition 340. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 420-442.	2.5	57
18	Missing Oligocene Crust of the Izu-Bonin Arc: Consumed or Rejuvenated During Collision?. <i>Journal of Petrology</i> , 2010, 51, 823-846.	2.8	56

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19	Two Primary Basalt Magma Types from Northwest Rota-1 Volcano, Mariana Arc and its Mantle Diapir or Mantle Wedge Plume. <i>Journal of Petrology</i> , 2011, 52, 1143-1183.	2.8	53
20	Andesites and Dacites from Daisen Volcano, Japan: Partial-to-Total Remelting of an Andesite Magma Body. <i>Journal of Petrology</i> , 2003, 44, 2243-2260.	2.8	45
21	Evidence that FK506 Alleviates Ischemia/Reperfusion Injury to the Rat Liver: In vivo Demonstration for Suppression of TNF- α Production in Response to Endotoxemia. <i>European Surgical Research</i> , 1994, 26, 108-115.	1.3	42
22	Sumisu volcano, Izu-Bonin arc, Japan: site of a silicic caldera-forming eruption from a small open-ocean island. <i>Bulletin of Volcanology</i> , 2008, 70, 547-562.	3.0	41
23	How the Mariana Volcanic Arc ends in the south. <i>Island Arc</i> , 2013, 22, 133-148.	1.1	40
24	Seismic structure of the upper mantle beneath the Philippine Sea from seafloor and land observation: Implications for mantle convection and magma genesis in the Izu-Bonin-Mariana subduction zone. <i>Earth and Planetary Science Letters</i> , 2009, 278, 107-119.	4.4	38
25	Effects of water depth on pumice formation in submarine domes at Sumisu, Izu-Bonin arc, western Pacific. <i>Geology</i> , 2010, 38, 391-394.	4.4	38
26	The Petrology and Geochemistry of Calc-Alkaline Andesites on Shodo-Shima Island, SW Japan. <i>Journal of Petrology</i> , 2002, 43, 3-16.	2.8	36
27	Advent of Continents: A New Hypothesis. <i>Scientific Reports</i> , 2016, 6, 33517.	3.3	33
28	Crystal uptake into aphyric arc melts: insights from two-pyroxene pseudo-decompression paths, plagioclase hygrometry, and measurement of hydrogen in olivines from mafic volcanics of SW Japan. <i>Geological Society Special Publication</i> , 2014, 385, 161-184.	1.3	31
29	The Arc Lavas of the Shirahama Group, Japan: Sr and Nd Isotopic Data Indicate Mantle-Derived Bimodal Magmatism. <i>Journal of Petrology</i> , 1996, 37, 1307-1319.	2.8	29
30	Paleomagnetic evidence for hot pyroclastic debris flow in the shallow submarine Shirahama Group (Upper Miocene-Pliocene), Japan. <i>Journal of Geophysical Research</i> , 1991, 96, 21779-21787.	3.3	28
31	Variety of the drift pumice clasts from the 2021 Fukutoku-Okae eruption, Japan. <i>Island Arc</i> , 2022, 31, .	1.1	28
32	Rapid onset of mafic magmatism facilitated by volcanic edifice collapse. <i>Geophysical Research Letters</i> , 2015, 42, 4778-4785.	4.0	24
33	Thorium isotope evidence for melting of the mafic oceanic crust beneath the Izu arc. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 186, 49-70.	3.9	24
34	Late Pleistocene stratigraphy of IODP Site U1396 and compiled chronology offshore of south and south west Montserrat, Lesser Antilles. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3000-3020.	2.5	23
35	The missing half of the subduction factory: shipboard results from the Izu rear arc, IODP Expedition 350. <i>International Geology Review</i> , 2017, 59, 1677-1708.	2.1	23
36	Molybdenum isotopes unmask slab dehydration and melting beneath the Mariana arc. <i>Nature Communications</i> , 2021, 12, 6015.	12.8	23

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37	Nishinoshima volcano in the Ogasawara Arc: New continent from the ocean?. <i>Island Arc</i> , 2019, 28, e12285.	1.1	20
38	Evolution of West Rota Volcano, an extinct submarine volcano in the southern Mariana Arc: Evidence from sea floor morphology, remotely operated vehicle observations and ⁴⁰ Ar/ ³⁹ Ar geochronological studies. <i>Island Arc</i> , 2008, 17, 70-89.	1.1	18
39	⁴⁰ Ar/ ³⁹ Ar ages and zircon petrochronology for the rear arc of the Izu-Bonin-Marianas intra-oceanic subduction zone. <i>International Geology Review</i> , 2018, 60, 956-976.	2.1	18
40	Permeability and pressure measurements in Lesser Antilles submarine slides: Evidence for pressure-driven slow-slip failure. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7986-8011.	3.4	16
41	Improved fracture network mapping through reducing overburden influence. <i>The Leading Edge</i> , 2005, 24, 1094-1098.	0.7	15
42	Eruption of South Sarigan Seamount, Northern Mariana Islands: Insights into Hazards from Submarine Volcanic Eruptions. <i>Oceanography</i> , 2014, 27, 24-31.	1.0	15
43	Melt inclusions reveal geochemical cross-arc variations and diversity within magma chambers feeding the Higashi-Izu Monogenetic Volcano Field, Izu Peninsula, Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	14
44	Layered Hydrothermal Barite-Sulfide Mound Field, East Diamante Caldera, Mariana Volcanic Arc. <i>Economic Geology</i> , 2014, 109, 2179-2206.	3.8	14
45	Site U1437. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	14
46	Liquid Lines of Descent of Island Arc Magmas and Genesis of Rhyolites: Evidence from the Shirahama Group, Japan. <i>Journal of Petrology</i> , 1995, 36, 417-434.	2.8	13
47	Along-arc variation in seismic velocity structure related to variable growth of arc crust in northern Izu-Bonin intraoceanic arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	13
48	Expedition 350 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	13
49	Some geochemical constraints on hot fingers in the mantle wedge: evidence from NE Japan. <i>Geological Society Special Publication</i> , 2003, 219, 221-237.	1.3	12
50	Breakdown of residual zircon in the Izu arc subducting slab during backarc rifting. <i>Geology</i> , 2018, 46, 371-374.	4.4	12
51	Expedition 350 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	10
52	An origin of the along-arc compositional variation in the Izu-Bonin arc system. <i>Geoscience Frontiers</i> , 2020, 11, 1621-1634.	8.4	8
53	The earliest stage of Izu rear-arc volcanism revealed by drilling at Site U1437, International Ocean Discovery Program Expedition 350. <i>Island Arc</i> , 2020, 29, e12340.	1.1	8
54	Distribution of Quaternary volcanoes in the Northeast Japan arc. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2001, 77, 135-139.	3.8	7

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55	Silicic volcanism and crustal evolution in oceanic arcs: Introduction. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 156, v-vii.	2.1	6
56	Random inhomogeneities in the northern Izu-Bonin arc estimated by tomographic inversion of peak delay times of S-wave seismograms. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	6
57	Interaction of arc magmas with subvolcanic hydrothermal systems: insights from compositions and metasomatic textures of olivine crystals in fresh basalts of Daisen and Mengameyama, Western Honshu, Japan. <i>Geological Society Special Publication</i> , 2015, 410, 219-236.	1.3	6
58	Seismic imaging for an ocean drilling site survey and its verification in the Izu rear arc. <i>Exploration Geophysics</i> , 2018, 49, 1-10.	1.1	6
59	Izu-Bonin Arc. , 0, , 175-199.		6
60	Mapping a fracture network using wide-azimuth OBC seismic data. <i>The Leading Edge</i> , 2005, 24, 95-99.	0.7	5
61	Gravity and magnetic constraints on the crustal structure and evolution of the Horeki seamount in the Izu-Ogasawara (Bonin) arc. <i>Earth, Planets and Space</i> , 2009, 61, 333-343.	2.5	5
62	Development of remotely operated unmanned boat with long-range Wi-Fi. <i>Artificial Life and Robotics</i> , 2016, 21, 365-370.	1.2	5
63	Formation of Continental Crust at the Izu–Honshu Collision Zone. <i>Journal of Geography (Chigaku Zasshi)</i> , 2011, 120, 567-584.	0.3	4
64	Synthesis: stratigraphy and age control for IODP Sites U1394, U1395, and U1396 offshore Montserrat in the Lesser Antilles. <i>Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program</i> , 0, , .	1.0	4
65	Intermittent Growth of a Newly-Born Volcanic Island and Its Feeding System Revealed by Geological and Geochemical Monitoring 2013–2020, Nishinoshima, Ogasawara, Japan. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	4
66	Site U1436. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	3
67	The Zealandia Volcanic Complex: Further evidence of a lower crustal "hot zone" beneath the Mariana Intra–Oceanic Arc, Western Pacific. <i>Island Arc</i> , 2019, 28, e12308.	1.1	2
68	The First 10 Million Years of Rear–Arc Magmas Following Backarc Basin Formation Behind the Izu Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009114.	2.5	2
69	Tectonic setting of volcanic centers in subduction zones: three-dimensional structure of mantle wedge and arc crust. , 0, , 176-194.		2
70	Genetic Relationship between Quaternary NE Japan Arc Magmas and Miocene Japan Sea Back-arc Basin Basalts. <i>Journal of Geography (Chigaku Zasshi)</i> , 2003, 112, 781-793.	0.3	1
71	Gravity and Magnetic Constraints on the Crustal Structure and Evolution of the Horeki Seamount in the Izu-Bonin Arc. <i>JAMSTEC Report of Research and Development</i> , 2006, 4, 55-65.	0.2	1
72	Magnetic and Bathymetric Survey of the Suiyo Cross-Chain, Izu-Bonin Arc. <i>JAMSTEC Report of Research and Development</i> , 2007, 6, 31-38.	0.2	1

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73	Pictorial 2 : Quaternary Volcanoes in Northeast Japan and Schematic Diagram Showing Hot Fingers in the Mantle Wedge. Journal of Geography (Chigaku Zasshi), 2003, 112, Plate4-Plate4.	0.3	0
74	Inaugural Address 25:1. Island Arc, 2016, 25, 3-3.	1.1	0