

Tetsu Kogiso

List of Publications by Year in descending order

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48
papers

3,359
citations

279798

23
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289244

40
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48
all docs

48
docs citations

48
times ranked

2357
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine-scale chemostratigraphy of cross-sectioned hydrogenous ferromanganese nodules from the western North Pacific. <i>Island Arc</i> , 2021, 30, e12395.	1.1	11
2	Crustal anorthosite formation by deep-seated hydrothermal circulation beneath fast-spreading axis: Constraints from chronological approach, Sr isotope, and fluid-inclusion investigation. <i>Island Arc</i> , 2021, 30, e12423.	1.1	1
3	Intermittent Beginning to the Formation of Hydrogenous Ferromanganese Nodules in the Vast Field: Insights from Multi-Element Chemostratigraphy Using Microfocus X-ray Fluorescence. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1246.	2.0	3
4	Formation process of sub-micrometer-sized metasomatic platinum-group element-bearing sulfides in a Tahitian harzburgite xenolith. <i>Canadian Mineralogist</i> , 2020, 58, 99-114.	1.0	3
5	Enrichment of chalcophile elements in seawater accompanying the end-Cretaceous impact event. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 2055-2066.	3.3	2
6	A simple determination of whole-rock major- and trace-element composition for peridotite by micro-XRF spectrometer and ICP-MS using fused-glass bead. <i>Geochemical Journal</i> , 2020, 54, 81-90.	1.0	8
7	High-temperature structural change and microtexture formation of sillimanite and its phase relation with mullite. <i>American Mineralogist</i> , 2019, 104, 1051-1061.	1.9	1
8	Effect of Serpentinite Dehydration in Subducting Slabs on Isotopic Diversity in Recycled Oceanic Crust and Its Role in Isotopic Heterogeneity of the Mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 5449-5472.	2.5	8
9	Halogen Heterogeneity in the Lithosphere and Evolution of Mantle Halogen Abundances Inferred From Intraplate Mantle Xenoliths. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 952-973.	2.5	8
10	Petit-spot as definitive evidence for partial melting in the asthenosphere caused by CO ₂ . <i>Nature Communications</i> , 2017, 8, 14302.	12.8	33
11	Electrical conductivity of the oceanic asthenosphere and its interpretation based on laboratory measurements. <i>Tectonophysics</i> , 2017, 717, 162-181.	2.2	16
12	Metasomatic PGE mobilization by carbonatitic melt in the mantle: Evidence from sub-1/4m-scale sulfide-carbonaceous glass inclusion in Tahitian harzburgite xenolith. <i>Chemical Geology</i> , 2017, 475, 87-104.	3.3	14
13	Differentiation in the Early Earth's Interior: Constraints from Isotope Geochemistry and High-Pressure Experiments. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Cijutsu</i> , 2017, 27, 256-265.	0.0	0
14	Major element composition of an Early Enriched Reservoir: constraints from ¹⁴² Nd/ ¹⁴⁴ Nd isotope systematics in the early Earth and high-pressure melting experiments of a primitive peridotite. <i>Progress in Earth and Planetary Science</i> , 2016, 3, .	3.0	2
15	Basic properties of transition remanent magnetizations of magnetite in relation to the ambient field using granite samples. <i>Geophysical Journal International</i> , 2015, 200, 25-34.	2.4	3
16	Role of silica for the progress of serpentinization reactions: Constraints from successive changes in mineralogical textures of serpentinites from Iwanaidake ultramafic body, Japan. <i>American Mineralogist</i> , 2014, 99, 1035-1044.	1.9	16
17	Large-ion lithophile elements delivered by saline fluids to the sub-arc mantle. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	29
18	Mantle Plumes and Hotspots. , 2013, , .		0

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19	Ocean Island Basalts in Polynesia, South Pacific. <i>Journal of Geography (Chigaku Zasshi)</i> , 2013, 122, 539-545.	0.3	1
20	NON-DESTRUCTIVE DETECTION OF PLATINUM-BEARING MINERAL FROM GEOLOGICAL SAMPLE BY SUBTRACTION IMAGING WITH SYNCHROTRON RADIATION X-RAY. , 2010, , 47-56.		0
21	Magma genesis beneath Northeast Japan arc: A new perspective on subduction zone magmatism. <i>Gondwana Research</i> , 2009, 16, 446-457.	6.0	39
22	The dynamics of big mantle wedge, magma factory, and metamorphicâ€“metasomatic factory in subduction zones. <i>Gondwana Research</i> , 2009, 16, 414-430.	6.0	142
23	Detecting micrometerâ€“scale platinumâ€“group minerals in mantle peridotite with microbeam synchrotron radiation Xâ€“ray fluorescence analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	27
24	Structure and growth of the Izuâ€“Boninâ€“Mariana arc crust: 2. Role of crustâ€“mantle transformation and the transparent Moho in arc crust evolution. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	136
25	New K-Ar ages of the Society Islands, French Polynesia, and implications for the Society hotspot feature. <i>Earth, Planets and Space</i> , 2007, 59, 879-885.	2.5	24
26	A Geochemical and Petrological View of Mantle Plume. , 2007, , 165-186.		8
27	Partial melting experiments of bimineraleclogite and the role of recycled mafic oceanic crust in the genesis of ocean island basalts. <i>Earth and Planetary Science Letters</i> , 2006, 249, 188-199.	4.4	191
28	MANTLE PLUMES AND HOT SPOTS. , 2005, , 335-343.		1
29	Lithium, strontium, and neodymium isotopic compositions of oceanic island basalts in the Polynesian region: constraints on a Polynesian HIMU origin. <i>Geochemical Journal</i> , 2005, 39, 91-103.	1.0	44
30	High-pressure Partial Melting of Mafic Lithologies in the Mantle. <i>Journal of Petrology</i> , 2004, 45, 2407-2422.	2.8	227
31	Lead isotopic compositions in olivine-hosted melt inclusions from HIMU basalts and possible link to sulfide components. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 146, 231-242.	1.9	34
32	Length scales of mantle heterogeneities and their relationship to ocean island basalt geochemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 345-360.	3.9	125
33	The subduction factory: its role in the evolution of the Earthâ€™s crust and mantle. <i>Geological Society Special Publication</i> , 2003, 219, 55-80.	1.3	113
34	High-pressure partial melting of garnet pyroxenite: possible mafic lithologies in the source of ocean island basalts. <i>Earth and Planetary Science Letters</i> , 2003, 216, 603-617.	4.4	378
35	Alkalic magmas generated by partial melting of garnet pyroxenite. <i>Geology</i> , 2003, 31, 481.	4.4	450
36	Geomagnetic paleosecular variation for the past 5 Ma in the Society Islands, French Polynesia. <i>Earth, Planets and Space</i> , 2002, 54, 797-802.	2.5	26

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37	Experimental study of clinopyroxenite partial melting and the origin of ultra-calcic melt inclusions. Contributions To Mineralogy and Petrology, 2001, 142, 347-360.	3.1	113
38	Contrasting behavior of noble-metal elements during magmatic differentiation in basalts from the Cook Islands, Polynesia. Geology, 2000, 28, 131.	4.4	16
39	Contrasting behavior of noble-metal elements during magmatic differentiation in basalts from the Cook Islands, Polynesia. Geology, 2000, 28, 131-134.	4.4	0
40	Melting experiments on homogeneous mixtures of peridotite and basalt: application to the genesis of ocean island basalts. Earth and Planetary Science Letters, 1998, 162, 45-61.	4.4	239
41	Trace element transport during dehydration processes in the subducted oceanic crust: 1. Experiments and implications for the origin of ocean island basalts. Earth and Planetary Science Letters, 1997, 148, 193-205.	4.4	509
42	Trace element transport during dehydration processes in the subducted oceanic crust: 2. Origin of chemical and physical characteristics in arc magmatism. Earth and Planetary Science Letters, 1997, 148, 207-221.	4.4	167
43	High $\hat{1}/4$ (HIMU) ocean island basalts in southern Polynesia: New evidence for whole mantle scale recycling of subducted oceanic crust. Journal of Geophysical Research, 1997, 102, 8085-8103.	3.3	114
44	Formation of a third volcanic chain in Kamchatka: generation of unusual subduction-related magmas. Contributions To Mineralogy and Petrology, 1995, 120, 117-128.	3.1	37
45	Formation of a third volcanic chain in Kamchatka: generation of unusual subduction-related magmas. Contributions To Mineralogy and Petrology, 1995, 120, 117-128.	3.1	2
46	A third volcanic chain in Kamchatka: thermal anomaly at transform/convergence plate boundary. Geophysical Research Letters, 1994, 21, 537-540.	4.0	37
47	Changes in elements and magnetic properties of Sendai Bay sediments caused by the 2011 Tohoku earthquake tsunami. Island Arc, 0, , .	1.1	1
48	Pressure effect on cathodoluminescence emission intensity recorded in metamorphosed detrital zircons of the Sanbagawa schists. Island Arc, 0, , .	1.1	0