

Tsutomu Ota

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,662
citations

201674

27
h-index

289244

40
g-index

51
all docs

51
docs citations

51
times ranked

1505
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermobaric structure and metamorphic evolution of the Iratsu eclogite body in the Sanbagawa belt, central Shikoku, Japan. <i>Lithos</i> , 2004, 73, 95-126.	1.4	122
2	Supervolcano eruptions driven by melt buoyancy in large silicic magma chambers. <i>Nature Geoscience</i> , 2014, 7, 122-125.	12.9	102
3	Geology of the Kokchetav UHP-HP metamorphic belt, Northern Kazakhstan. <i>Island Arc</i> , 2000, 9, 264-283.	1.1	99
4	Space environment of an asteroid preserved on micrograins returned by the Hayabusa spacecraft. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E624-9.	7.1	97
5	Transitional time of oceanic to continental subduction in the Dabie orogen: Constraints from U ⁴⁰ Pb, Lu ¹⁷⁶ Hf, Sm ¹⁴⁷ Nd and Ar ⁴⁰ Ar multichronometric dating. <i>Lithos</i> , 2009, 110, 327-342.	1.4	82
6	On the origin and evolution of the asteroid Ryugu: A comprehensive geochemical perspective. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2022, 98, 227-282.	3.8	77
7	Geology of the Gorny Altai subduction-accretion complex, southern Siberia: Tectonic evolution of an Ediacaran-Cambrian intra-oceanic arc-trench system. <i>Journal of Asian Earth Sciences</i> , 2007, 30, 666-695.	2.3	74
8	Neoproterozoic basalts of the Paleo-Asian Ocean (Kurai accretionary zone, Gorny Altai, Russia): geochemistry, petrogenesis, and geodynamics. <i>Russian Geology and Geophysics</i> , 2008, 49, 254-271.	0.7	69
9	On-going orogeny in the outer-arc of the Timor-Tanimbar region, eastern Indonesia. <i>Gondwana Research</i> , 2007, 11, 218-233.	6.0	63
10	Thermobaric structure of the Kokchetav ultrahigh-pressure-high-pressure massif deduced from a north-south transect in the Kulet and Saldat-Kol regions, northern Kazakhstan. <i>Island Arc</i> , 2000, 9, 328-357.	1.1	56
11	Blueschists, eclogites, and subduction zone tectonics: Insights from a review of Late Miocene blueschists and eclogites, and related young high-pressure metamorphic rocks. <i>Gondwana Research</i> , 2010, 18, 167-188.	6.0	56
12	Accretionary Complex Origin of the Mafic-Ultramafic Bodies of the Sanbagawa Belt, Central Shikoku, Japan. <i>International Geology Review</i> , 2005, 47, 1058-1073.	2.1	52
13	Are the Taitao granites formed due to subduction of the Chile ridge?. <i>Lithos</i> , 2009, 113, 246-258.	1.4	46
14	Metamorphic evolution of the Kamuikotan high-pressure and low-temperature metamorphic rocks in central Hokkaido, Japan. <i>Journal of Geophysical Research</i> , 1994, 99, 22221-22235.	3.3	42
15	Multiple generations of forearc mafic-ultramafic rocks in the Timor-Tanimbar ophiolite, eastern Indonesia. <i>Gondwana Research</i> , 2007, 11, 200-217.	6.0	41
16	Boron cycling by subducted lithosphere; insights from diamondiferous tourmaline from the Kokchetav ultrahigh-pressure metamorphic belt. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3531-3541.	3.9	40
17	Intra-oceanic island arc origin for Iratsu eclogites of the Sanbagawa belt, central Shikoku, southwest Japan. <i>Chemical Geology</i> , 2011, 280, 97-114.	3.3	38
18	Tourmaline breakdown in a pelitic system: implications for boron cycling through subduction zones. <i>Contributions To Mineralogy and Petrology</i> , 2007, 155, 19-32.	3.1	36

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19	Elements for the Origin of Life on Land: A Deep-Time Perspective from the Pilbara Craton of Western Australia. <i>Astrobiology</i> , 2021, 21, 39-59.	3.0	35
20	The oldest mid-oceanic carbonate buildup complex: Setting and lithofacies of the Vendian (Late Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Academy Series B: Physical and Biological Sciences, 2004, 80, 422-428.	3.8	33
21	Maruyamaite, $K(MgAl_2)(Al_5Mg)Si_6O_{18}(BO_3)_3(OH)_3O$, a potassium-dominant tourmaline from the ultrahigh-pressure Kokchetav massif, northern Kazakhstan: Description and crystal structure. <i>American Mineralogist</i> , 2016, 101, 355-361.	1.9	31
22	Paleocurrent patterns of the sedimentary sequence of the Taitao ophiolite constrained by anisotropy of magnetic susceptibility and paleomagnetic analyses. <i>Sedimentary Geology</i> , 2007, 201, 446-460.	2.1	29
23	World's youngest blueschist belt from Leti Island in the non-volcanic Banda outer arc of Eastern Indonesia. <i>Gondwana Research</i> , 2010, 18, 189-204.	6.0	29
24	In situ ion-microprobe determination of trace element partition coefficients for hornblende, plagioclase, orthopyroxene, and apatite in equilibrium with natural rhyolitic glass, Little Glass Mountain Rhyolite, California. <i>American Mineralogist</i> , 2011, 96, 1838-1850.	1.9	29
25	Preserved paleo-oceanic plateaus in accretionary complexes: Implications for the contributions of the Pacific superplume to global environmental change. <i>Gondwana Research</i> , 2008, 14, 115-125.	6.0	28
26	A geochemical and Sr-Nd isotopic study of the Vendian greenstones from Gorny Altai, southern Siberia: Implications for the tectonic setting of the formation of greenstones and the role of oceanic plateaus in accretionary orogen. <i>Lithos</i> , 2009, 113, 437-453.	1.4	28
27	Ion microprobe U-Th-Pb geochronology and study of micro-inclusions in zircon from the Himalayan high- and ultrahigh-pressure eclogites, Kaghan Valley of Pakistan. <i>Journal of Asian Earth Sciences</i> , 2013, 63, 179-196.	2.3	28
28	P-T history of garnet-websterites in the Sharyzhalgai complex, southwestern margin of Siberian craton: evidence for Paleoproterozoic high-pressure metamorphism. <i>Precambrian Research</i> , 2004, 132, 327-348.	2.7	26
29	K-Ar ages of the Kamuikotan metamorphic rocks in Hokkaido, Japan.. <i>Journal of the Geological Society of Japan</i> , 1993, 99, 335-345.	0.6	22
30	Progressive metamorphism of the Taitao ophiolite; evidence for axial and off-axis hydrothermal alterations. <i>Lithos</i> , 2007, 98, 233-260.	1.4	21
31	History of the Pacific Superplume: Implications for Pacific Paleogeography Since the Late Proterozoic. , 2007, , 363-408.		19
32	Metamorphic Evolution of Late Precambrian Eclogites and Associated Metabasites, Gorny Altai, Southern Russia. <i>International Geology Review</i> , 2002, 44, 837-858.	2.1	15
33	Boron Isotopes in the Puga Geothermal System, India, and Their Implications for the Habitat of Early Life. <i>Astrobiology</i> , 2019, 19, 1459-1473.	3.0	15
34	Contact Metamorphism of the Daulet Suite by Solid-State Emplacement of the Kokchetav UHP-HP Metamorphic Slab. <i>International Geology Review</i> , 2002, 44, 819-830.	2.1	14
35	In situ U-Pb zircon age dating deciphering the formation event of the omphacite growth over relict edenitic pargasite in omphacite-bearing jadeitite of the Itoigawa-Omi area of the Hida-Gaien belt, central Japan. <i>Journal of Mineralogical and Petrological Sciences</i> , 2017, 112, 256-270.	0.9	13
36	Hypervelocity collision and water-rock interaction in space preserved in the Chelyabinsk ordinary chondrite. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2019, 95, 165-177.	3.8	7

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37	Lithium- and oxygen-isotope compositions of chondrule constituents in the Allende meteorite. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 252, 107-125.	3.9	7
38	Tourmaline in a Mesoarchean pelagic hydrothermal system: Implications for the habitat of early life. <i>Precambrian Research</i> , 2019, 334, 105475.	2.7	6
39	Concentration of meteoritic free organic matter by fluid transport and adsorption. <i>Geochemical Perspectives Letters</i> , 0, , 30-35.	5.0	6
40	Ophiolites in the Non-volcanic Banda Outer Arc of East Indonesia: Field Occurrence and Petrological Variety of the World's Youngest Ophiolite. <i>Journal of Geography (Chigaku Zasshi)</i> , 2011, 120, 52-64.	0.3	4
41	Circa 1 Ga sub-seafloor hydrothermal alteration imprinted on the Horoman peridotite massif. <i>Scientific Reports</i> , 2018, 8, 9887.	3.3	4
42	Study on the Hydrodesulfurization Catalyst of Residual Fuel (Part 1). <i>Bulletin of the Japan Petroleum Institute</i> , 1971, 13, 3-10.	0.1	4
43	Modes of occurrence of sodic amphibole from the Kamuiokotan metabasites, west of Asahikawa, central Hokkaido and the metamorphic history.. <i>Journal of Mineralogy, Petrology and Economic Geology</i> , 1997, 92, 103-123.	0.1	4
44	Lithium in garnet as a tracer of subduction zone metamorphic reactions: The record in ultrahigh-pressure metapelites at Lago di Cignana, Italy. , 2022, 18, 1020-1029.		4
45	Mineralogical alterations in calcite powder flooded with MgCl ₂ to study Enhanced Oil Recovery (EOR) mechanisms at pore scale. <i>Microporous and Mesoporous Materials</i> , 2020, 304, 109402.	4.4	3
46	Protolith sequence, accretionary process, tectonometamorphism and fluid-rock interaction of Kamuiokotan high-P/T metamorphosed accretionary complex, central Hokkaido, Japan. <i>Journal of the Geological Society of Japan</i> , 2007, 113, S103-S118.	0.6	3
47	Paleo-plateau/-seamount Limestone of the Cambrian Accretionary Complex in the Gorny Altai Mountains, Southern Siberia. <i>Journal of Geography (Chigaku Zasshi)</i> , 2003, 112, 563-585.	0.3	2
48	Studies on the Hydrodesulfurization Catalyst of Residual Fuels (Part 6). <i>Bulletin of the Japan Petroleum Institute</i> , 1972, 14, 7-17.	0.1	1
49	Metamorphic Petrology of Garnet Pyroxenite and Associated Gneiss from the Early Proterozoic Sharyzhalgai Block in the Southwestern Margin of Siberian Craton. <i>Gondwana Research</i> , 2001, 4, 723-724.	6.0	0
50	The trace element composition of chondrule constituents: Implications for sample return methodologies and the chondrule silicate reservoir. <i>Meteoritics and Planetary Science</i> , 2022, 57, 429-449.	1.6	0
51	Magmatic-hydrothermal processes of the Laojunshan metamorphic massif in Southeastern Asia: Evidence from chemical and B-isotopic variations of deformed tourmalines. <i>Lithos</i> , 2022, 412-413, 106609.	1.4	0