

Ryoji Tanaka

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

941
citations

567281

15
h-index

454955

30
g-index

43
all docs

43
docs citations

43
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Space environment of an asteroid preserved on micrograins returned by the Hayabusa spacecraft. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E624-9.	7.1	97
2	Lithium, boron, and lead isotope systematics of glass inclusions in olivines from Hawaiian lavas: evidence for recycled components in the Hawaiian plume. Chemical Geology, 2004, 212, 143-161.	3.3	89
3	The oxygen isotope composition of San Carlos olivine on the VSMOW2–SLAP2 scale. Rapid Communications in Mass Spectrometry, 2016, 30, 1495-1504.	1.5	83
4	On the origin and evolution of the asteroid Ryugu: A comprehensive geochemical perspective. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2022, 98, 227-282.	3.8	77
5	Hawaiian double volcanic chain triggered by an episodic involvement of recycled material: Constraints from temporal Sr–Nd–Hf–Pb isotopic trend of the Loa-type volcanoes. Earth and Planetary Science Letters, 2008, 265, 450-465.	4.4	61
6	Determination of ¹⁷ O–excess of terrestrial silicate/oxide minerals with respect to Vienna Standard Mean Ocean Water (VSMOW). Rapid Communications in Mass Spectrometry, 2013, 27, 285-297.	1.5	60
7	Suppression of Zr, Nb, Hf and Ta coprecipitation in fluoride compounds for determination in Ca-rich materials. Journal of Analytical Atomic Spectrometry, 2003, 18, 1458.	3.0	56
8	Boron isotopic constraints on the source of Hawaiian shield lavas. Geochimica Et Cosmochimica Acta, 2005, 69, 3385-3399.	3.9	47
9	Sr and Nd isotopic data for the seven GSI rock reference samples;JA-1, JB-1a, JB-2, JB-3, JG-1a, JGb-1 and JR-1.. Geochemical Journal, 1998, 32, 205-211.	1.0	44
10	The origin of the unique achondrite Northwest Africa 6704: Constraints from petrology, chemistry and Re–Os, O and Ti isotope systematics. Geochimica Et Cosmochimica Acta, 2019, 245, 597-627.	3.9	41
11	Inherited Pb isotopic records in olivine antecryst-hosted melt inclusions from Hawaiian lavas. Geochimica Et Cosmochimica Acta, 2012, 95, 169-195.	3.9	34
12	Geochemical evolution of Koolau Volcano, Hawaii. Geophysical Monograph Series, 2002, , 311-332.	0.1	31
13	Precise Elemental and Isotopic Analyses in Silicate Samples Employing ICP-MS: Application of Hydrofluoric Acid Solution and Analytical Techniques. Analytical Sciences, 2009, 25, 1181-1187.	1.6	29
14	Triple oxygen isotope systematics as a tracer of fluids in the crust: A study from modern geothermal systems of Iceland. Chemical Geology, 2019, 530, 119312.	3.3	23
15	Aeolian-Dust-Derived Micaceous Minerals Control Radiocesium Retention in Andosols in Japan. Soil Science Society of America Journal, 2015, 79, 1590-1600.	2.2	19
16	Liquid-phase water isotope separation using graphene-oxide membranes. Carbon, 2022, 186, 344-354.	10.3	15
17	The Albedo of Ryugu: Evidence for a High Organic Abundance, as Inferred from the Hayabusa2 Touchdown Maneuver. Astrobiology, 2020, 20, 916-921.	3.0	14
18	Comprehensive analysis for major, minor and trace element contents and Sr-Nd-Pb-Hf isotope ratios in sediment reference materials, JSd-1 and MAG-1. Geochemical Journal, 2009, 43, 207-216.	1.0	13

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19	Oxygen isotopes in Indian Plate eclogites (Kaghan Valley, Pakistan): Negative $\delta^{18}\text{O}$ values from a high latitude protolith reset by Himalayan metamorphism. <i>Lithos</i> , 2014, 208-209, 471-483.	1.4	12
20	Origin of ocean island basalts in the West African passive margin without mantle plume involvement. <i>Nature Communications</i> , 2019, 10, 3022.	12.8	11
21	Silicate-SiO reaction in a protoplanetary disk recorded by oxygen isotopes in chondrules. <i>Nature Astronomy</i> , 2017, 1, .	10.1	9
22	A New Insight Into Seawater-Basalt Exchange Reactions Based on Combined $\delta^{18}\text{O}$ and $^{217}\text{O}/^{87}\text{Sr}/^{86}\text{Sr}$ Values of Hydrothermal Fluids From the Axial Seamount Volcano, Pacific Ocean. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	8
23	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
24	Novel nickel isolation procedure for a wide range of sample matrices without using dimethylglyoxime for isotope measurements using MC-ICP-MS. <i>Analytica Chimica Acta</i> , 2021, 1181, 338934.	5.4	7
25	The influence of aeolian dust in non-allophanic Andosols on Yakushima Island. <i>Soil Science and Plant Nutrition</i> , 2012, 58, 191-199.	1.9	6
26	Tourmaline in a Mesoarchean pelagic hydrothermal system: Implications for the habitat of early life. <i>Precambrian Research</i> , 2019, 334, 105475.	2.7	6
27	Concentration of meteoritic free organic matter by fluid transport and adsorption. <i>Geochemical Perspectives Letters</i> , 0, , 30-35.	5.0	6
28	Circa 1 Ga sub-seafloor hydrothermal alteration imprinted on the Horoman peridotite massif. <i>Scientific Reports</i> , 2018, 8, 9887.	3.3	4
29	Transition from Plume-driven to Plate-driven Magmatism in the Evolution of the Main Ethiopian Rift. <i>Journal of Petrology</i> , 2019, 60, 1681-1715.	2.8	4
30	A Method to Suppress Isobaric and Polyatomic Interferences for Measurements of Highly Siderophile Elements in Desilicified Geological Samples. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 611-633.	3.1	4
31	Asian dust increases radiocesium retention ability of serpentine soils in Japan. <i>Journal of Environmental Radioactivity</i> , 2019, 204, 86-94.	1.7	4
32	Distance-dependence from volcano for Asian dust inclusions in Andosols: A key to control soil ability to retain radiocesium. <i>Geoderma</i> , 2021, 385, 114889.	5.1	4
33	Silicon and Oxygen Isotope Evolution of the Inner Solar System. <i>Planetary Science Journal</i> , 2021, 2, 102.	3.6	4
34	Evaluation of the applicability of acid leaching for the ^{238}U - ^{230}Th internal isochron method. <i>Chemical Geology</i> , 2015, 396, 255-264.	3.3	3
35	A rapid method of simultaneous chromatographic purification of Li and Mg for isotopic analyses using MC-ICP-MS. <i>International Journal of Mass Spectrometry</i> , 2022, 480, 116893.	1.5	3
36	Two new eucrite breccias from Northwest Africa. <i>Meteoritics and Planetary Science</i> , 2013, 48, E1.	1.6	2

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37	Nitrogenous Altered Volcanic Glasses as Targets for Mars Sample Return: Examples From Antarctica and Iceland. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	2
38	Comment on: "A simple cryogenic method for efficient measurement of triple oxygen isotopes in silicates" by Ghoshmaulik et al. (<i>Rapid Commun Mass Spectrom.</i> 2020;34(18):e8833). <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8913.	1.5	1
39	"The ice-organic-silicate contents of small solar system bodies: indicators for a comet to asteroid evolutionary pathway". <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	1
40	Establishment of Comprehensive Analytical System for Terrestrial and Extraterrestrial Materials behind the Initial Analysis of Particles Returned by Hayabusa Spacecraft. <i>Hyomen Kagaku</i> , 2012, 33, 681-686.	0.0	0