Tatsuo Nozaki

List of Publications by Year
in descending order

60	1,565	279701	315616
papers	citations	23 h-index	38 g-index

64	64	64	1207
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The tremendous potential of deep-sea mud as a source of rare-earth elements. Scientific Reports, 2018, 8, 5763.	1.6	157
2	Development of a deep-sea laser-induced breakdown spectrometer for in situ multi-element chemical analysis. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 95, 20-36.	0.6	149
3	Uranium isotope systematics of ferromanganese crusts in the Pacific Ocean: Implications for the marine 238U/235U isotope system. Geochimica Et Cosmochimica Acta, 2014, 146, 43-58.	1.6	85
4	Discovery of extremely REY-rich mud in the western North Pacific Ocean. Geochemical Journal, 2016, 50, 557-573.	0.5	68
5	Synchrotron X-ray spectroscopic perspective on the formation mechanism of REY-rich muds in the Pacific Ocean. Geochimica Et Cosmochimica Acta, 2018, 240, 274-292.	1.6	60
6	Postâ€drilling changes in fluid discharge pattern, mineral deposition, and fluid chemistry in the Iheya North hydrothermal field, Okinawa Trough. Geochemistry, Geophysics, Geosystems, 2013, 14, 4774-4790.	1.0	52
7	Chemostratigraphy of deep-sea sediments in the western North Pacific Ocean: Implications for genesis of mud highly enriched in rare-earth elements and yttrium. Ore Geology Reviews, 2020, 119, 103392.	1.1	48
8	Osmium isotope evidence for a large Late Triassic impact event. Nature Communications, 2013, 4, 2455.	5.8	44
9	Rapid growth of mineral deposits at artificial seafloor hydrothermal vents. Scientific Reports, 2016, 6, 22163.	1.6	44
10	A Method for Rapid Determination of Re and Os Isotope Compositions Using IDâ€MCâ€ICPâ€MS Combined with the Sparging Method. Geostandards and Geoanalytical Research, 2012, 36, 131-148.	1.7	42
11	Geochemistry of REY-rich mud in the Japanese Exclusive Economic Zone around Minamitorishima Island. Geochemical Journal, 2016, 50, 575-590.	0.5	42
12	Post-Drilling Changes in Seabed Landscape and Megabenthos in a Deep-Sea Hydrothermal System, the Iheya North Field, Okinawa Trough. PLoS ONE, 2015, 10, e0123095.	1.1	41
13	A new and prospective resource for scandium: Evidence from the geochemistry of deep-sea sediment in the western North Pacific Ocean. Ore Geology Reviews, 2018, 102, 260-267.	1.1	41
14	Reâ€“Os geochronology of the Iimori Besshi-type massive sulfide deposit in the Sanbagawa metamorphic belt, Japan. Geochimica Et Cosmochimica Acta, 2010, 74, 4322-4331.	1.6	40
15	Late Jurassic ocean anoxic event: evidence from voluminous sulphide deposition and preservation in the Panthalassa. Scientific Reports, 2013, 3, 1889.	1.6	37
16	Rare Earth, Major and Trace Elements in the Kunimiyama Ferromanganese Deposit in the Northern Chichibu Belt, Central Shikoku, Japan. Resource Geology, 2005, 55, 291-300.	0.3	36
17	Marine osmium isotope record during the Carnian â€œpluvial episodeâ€•(Late Triassic) in the pelagic Panthalassa Ocean. Global and Planetary Change, 2021, 197, 103387.	1.6	33
18	Fish proliferation and rare-earth deposition by topographically induced upwelling at the late Eocene cooling event. Scientific Reports, 2020, 10, 9896.	1.6	29

#	Article	IF	Citations
19	Quantitative in situ mapping of elements in deep-sea hydrothermal vents using laser-induced breakdown spectroscopy and multivariate analysis. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 158, 103232.	0.6	28
20	A Simple Method for Precise Determination of 23 Trace Elements in Granitic Rocks by ICP-MS after Lithium Tetraborate Fusion. Resource Geology, 2006, 56, 471-478.	0.3	26
21	Signal preprocessing of deep-sea laser-induced plasma spectra for identification of pelletized hydrothermal deposits using Artificial Neural Networks. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 145, 1-7.	1.5	26
22	Major and trace element compositions and resource potential of ferromanganese crust at Takuyo Daigo Seamount, northwestern Pacific Ocean. Geochemical Journal, 2016, 50, 527-537.	0.5	26
23	Whole-rock Geochemistry of Basic Schists from the Besshi Area, Central Shikoku: Implications for the Tectonic Setting of the Besshi Sulfide Deposit. Resource Geology, 2006, 56, 423-432.	0.3	25
24	Microbial sulfate reduction plays an important role at the initial stage of subseafloor sulfide mineralization. Geology, 2021, 49, 222-227.	2.0	25
25	Precise determination of Os isotope ratios in the 15â€“4000 pg range using a sparging method using enhanced-sensitivity multiple Faraday collector-inductively coupled plasma-mass spectrometry. Journal of Analytical Atomic Spectrometry, 2014, 29, 1483-1490.	1.6	24
26	Geochemical Features and Tectonic Setting of Greenstones from Kunimiyama, Northern Chichibu Belt, Central Shikoku, Japan. Resource Geology, 2005, 55, 301-310.	0.3	23
27	Geochemistry and Origin of Ananai Stratiform Manganese Deposit in the Northern Chichibu Belt, Central Shikoku, Japan. Resource Geology, 2006, 56, 399-414.	0.3	23
28	Chemostratigraphic Correlations of Deep-Sea Sediments in the Western North Pacific Ocean: A New Constraint on the Distribution of Mud Highly Enriched in Rare-Earth Elements. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 37	0.8	23
29	Reâ€“Os isotope geochemistry in the surface layers of ferromanganese crusts from the Takuyo Daigo Seamount, northwestern Pacific Ocean. Geochemical Journal, 2015, 49, 233-241.	0.5	23
30	Paleoceanographic conditions on the SÃ£o Paulo Ridge, SW Atlantic Ocean, for the past 30 million years inferred from Os and Pb isotopes of a hydrogenous ferromanganese crust. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 146, 82-92.	0.6	21
31	Depth profiles of resistivity and spectral IP for active modern submarine hydrothermal deposits: a case study from the Iheya North Knoll and the Iheya Minor Ridge in Okinawa Trough, Japan. Earth, Planets and Space, 2017, 69, .	0.9	21
32	Pb isotope compositions of galena in hydrothermal deposits obtained by drillings from active hydrothermal fields in the middle Okinawa Trough determined by LA-MC-ICP-MS. Chemical Geology, 2019, 514, 90-104.	1.4	19
33	Subseafloor sulphide deposit formed by pumice replacement mineralisation. Scientific Reports, 2021, 11, 8809.	1.6	17
34	Onboard experiment investigating metal leaching of fresh hydrothermal sulfide cores into seawater. Geochemical Transactions, 2018, 19, 15.	1.8	15
35	A Miocene impact ejecta layer in the pelagic Pacific Ocean. Scientific Reports, 2019, 9, 16111.	1.6	15
36	Visualisation method for the broad distribution of seafloor ferromanganese deposits. Marine Georesources and Geotechnology, 2021, 39, 267-279.	1.2	15

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37	Miocene to Pleistocene osmium isotopic records of the Mediterranean sediments. Paleoceanography, 2016, 31, 148-166.	3.0	12
38	Fluid-rock interaction recorded in black fault rocks in the Kodiak accretionary complex, Alaska. Earth, Planets and Space, 2014, 66, .	0.9	11
39	A Combination of Geostatistical Methods and Principal Components Analysis for Detection of Mineralized Zones in Seafloor Hydrothermal Systems. Natural Resources Research, 2021, 30, 2875-2887.	2.2	11
40	Redox conditions in the atmosphere and shallow-marine environments during the first Huronian deglaciation: Insights from Os isotopes and redox-sensitive elements. Earth and Planetary Science Letters, 2013, 376, 145-154.	1.8	9
41	Evaluation of the toxicity of leaches from hydrothermal sulfide deposits by means of a delayed fluorescence-based bioassay with the marine cyanobacterium Cyanobium sp. NIES-981. Ecotoxicology, 2018, 27, 1303-1309.	1.1	9
42	Rapid coupling between solid earth and ice volume during the Quaternary. Scientific Reports, 2021, 11, 5695.	1.6	9
43	Triassic marine Os isotope record from a pelagic chert succession, Sakahogi section, Mino Belt, southwest Japan. Journal of Asian Earth Sciences: X, 2019, 1, 100004.	0.6	7
44	A precise and accurate analytical method for determination of osmium isotope ratios at the 1â€“15 pg level by using a MC-ICP-MS equipped with sparging introduction and high-sensitivity discrete dynode-type ion-counting detectors. Journal of Analytical Atomic Spectrometry, 2022, 37, 1600-1610.	1.6	7
45	Depositional Age of a Fossil Whale Bone from SÃ£o Paulo Ridge, South Atlantic Ocean, Based on Os Isotope Stratigraphy of a Ferromanganese Crust. Resource Geology, 2017, 67, 442-450.	0.3	6
46	Formation of highly Zn-enriched sulfide scale at a deep-sea artificial hydrothermal vent, Iheya-North Knoll, Okinawa Trough. Mineralium Deposita, 2021, 56, 975.	1.7	6
47	3D geostatistical modeling of metal contents and lithofacies for mineralization mechanism determination of a seafloor hydrothermal deposit in the middle Okinawa Trough, Izena Hole. Ore Geology Reviews, 2021, 135, 104194.	1.1	6
48	Ore deposit formed on a paleo-seafloor in the Japanese accretionary complex. Journal of the Geological Society of Japan, 2018, 124, 995-1020.	0.2	5
49	Umber as a lithified REY-rich mud in Japanese accretionary complexes and its implications for the osmium isotopic composition of Middle Cretaceous seawater. Ore Geology Reviews, 2022, 142, 104683.	1.1	5
50	Hitachiite, Pb₅Bi₂Te₂S₆, a new mineral from the Hitachi mine, Ibaraki Prefecture, Japan. Mineralogical Magazine, 2019, 83, 733-739.	0.6	4
51	Preface: Front edge of submarine mineral resources research in Japan. Geochemical Journal, 2015, 49, 575-577.	0.5	4
52	Experiments on Rare-Earth Element Extractions from Umber Ores for Optimizing the Grinding Process. Minerals (Basel, Switzerland), 2019, 9, 239.	0.8	3
53	Reâ€“Os geochemistry of hydrothermally altered dacitic rock in a submarine volcano at Site U1527, IODP Expedition 376: Implications for the Re cycle in intraoceanic arcs. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 180, 103687.	0.6	2
54	New ways for research and development using a deep-sea hydrothermal vent system in the Okinawa Trough. , 2015, , .		1

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55	Development of the cultivation system for seafloor hydrothermal deposit. , 2016, , .		1
56	Post-drilling changes in fluid discharge pattern, mineral deposition, and fluid chemistry in the Iheya North hydrothermal field, Okinawa Trough. Geochemistry, Geophysics, Geosystems, 2013, 14, n/a-n/a.	1.0	1
57	Exploration of Seafloor Massive Sulfide deposits using natural gamma-ray logging: An application of through-the-bit logging. BUTSURI-TANSA(Geophysical Exploration), 2020, 73, 33-41.	0.0	1
58	Tidally Modulated Temperature Observed Atop a Drillsite at the Noho Hydrothermal Site, Midâ€Okinawa Trough. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	1
59	Preface: Front edge of submarine mineral resources research in Japan (Part 2). Geochemical Journal, 2016, 50, 449-452.	0.5	0
60	Resistivity and Induced Polarization characteristics of sediments from modern submarine hydrothermal system in Okinawa Trough, Japan (CHIKYU CK16-01 cruise). , 2019, , .		0