

Jun-ichiro Ishibashi

List of Publications by Year in descending order

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82
papers

2,839
citations

159585

30
h-index

189892

50
g-index

82
all docs

82
docs citations

82
times ranked

2185
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability in microbial community and venting chemistry in a sediment-hosted backarc hydrothermal system: Impacts of seafloor phase-separation. <i>FEMS Microbiology Ecology</i> , 2005, 54, 141-155.	2.7	163
2	Microbial community in a sediment-hosted CO ₂ lake of the southern Okinawa Trough hydrothermal system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14164-14169.	7.1	159
3	Chemical characteristics of newly discovered black smoker fluids and associated hydrothermal plumes at the Rodriguez Triple Junction, Central Indian Ridge. <i>Earth and Planetary Science Letters</i> , 2001, 193, 371-379.	4.4	150
4	Two Bacteria Phylotypes Are Predominant in the Suiyo Seamount Hydrothermal Plume. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1190-1198.	3.1	140
5	Hydrothermal fluid geochemistry at the Iheya North field in the mid-Okinawa Trough: Implication for origin of methane in seafloor fluid circulation systems. <i>Geochemical Journal</i> , 2011, 45, 109-124.	1.0	122
6	Abundance of <i>Zetaproteobacteria</i> within crustal fluids in back-arc hydrothermal fields of the Southern Mariana Trough. <i>Environmental Microbiology</i> , 2009, 11, 3210-3222.	3.8	93
7	Variability in the microbial communities and hydrothermal fluid chemistry at the newly discovered Mariner hydrothermal field, southern Lau Basin. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	91
8	Biogeography and Biodiversity in Sulfide Structures of Active and Inactive Vents at Deep-Sea Hydrothermal Fields of the Southern Mariana Trough. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2968-2979.	3.1	88
9	Diverse Range of Mineralization Induced by Phase Separation of Hydrothermal Fluid: Case Study of the Yonaguni Knoll IV Hydrothermal Field in the Okinawa Trough Back-arc Basin. <i>Resource Geology</i> , 2008, 58, 267-288.	0.8	87
10	Archaeal Diversity and Distribution along Thermal and Geochemical Gradients in Hydrothermal Sediments at the Yonaguni Knoll IV Hydrothermal Field in the Southern Okinawa Trough. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1198-1211.	3.1	83
11	High alkalinity due to sulfate reduction in the CLAM hydrothermal field, Okinawa Trough. <i>Earth and Planetary Science Letters</i> , 1991, 107, 328-338.	4.4	74
12	Tungsten enriched in submarine hydrothermal fluids. <i>Earth and Planetary Science Letters</i> , 2004, 222, 819-827.	4.4	72
13	Diversity of fluid geochemistry affected by processes during fluid upwelling in active hydrothermal fields in the Izena Hole, the middle Okinawa Trough back-arc basin. <i>Geochemical Journal</i> , 2014, 48, 357-369.	1.0	69
14	Discovery of a new hydrothermal vent based on an underwater, high-resolution geophysical survey. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 74, 1-10.	1.4	63
15	Analysis of Dissimilatory Sulfite Reductase and 16S rRNA Gene Fragments from Deep-Sea Hydrothermal Sites of the Suiyo Seamount, Izu-Bonin Arc, Western Pacific. <i>Applied and Environmental Microbiology</i> , 2004, 70, 393-403.	3.1	61
16	Helium and carbon geochemistry of hydrothermal fluids from the North Fiji Basin spreading ridge (southwest Pacific). <i>Earth and Planetary Science Letters</i> , 1994, 128, 183-197.	4.4	56
17	Methane anomalies in seawater above the Loihi submarine summit area, Hawaii. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 2857-2864.	3.9	52
18	Chemistry of hydrothermal fluids from the 17°S active site on the North Fiji Basin Ridge (SW Pacific). <i>Chemical Geology</i> , 1991, 93, 209-218.	3.3	52

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19	Post-drilling changes in fluid discharge pattern, mineral deposition, and fluid chemistry in the Iheya North hydrothermal field, Okinawa Trough. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 4774-4790.	2.5	52
20	Hydrothermal plumes along the North Fiji Basin spreading axis. <i>Nature</i> , 1989, 342, 667-670.	27.8	50
21	Fluctuation of chemical compositions of the phase-separated hydrothermal fluid from the North Fiji Basin Ridge. <i>Marine Geology</i> , 1994, 116, 215-226.	2.1	48
22	Deepest and hottest hydrothermal activity in the Okinawa Trough: the Yokosuka site at Yaeyama Knoll. <i>Royal Society Open Science</i> , 2017, 4, 171570.	2.4	48
23	Microbial diversity in hydrothermal surface to subsurface environments of Suiyo Seamount, Izu-Bonin Arc, using a catheter-type in situ growth chamber. <i>FEMS Microbiology Ecology</i> , 2004, 47, 327-336.	2.7	46
24	Variability in Microbial Communities in Black Smoker Chimneys at the NW Caldera Vent Field, Brothers Volcano, Kermadec Arc. <i>Geomicrobiology Journal</i> , 2009, 26, 552-569.	2.0	46
25	Selective Phylogenetic Analysis Targeting 16S rRNA Genes of Hyperthermophilic Archaea in the Deep-Subsurface Hot Biosphere. <i>Applied and Environmental Microbiology</i> , 2007, 73, 2110-2117.	3.1	37
26	First Cultivation and Ecological Investigation of a Bacterium Affiliated with the Candidate Phylum OP5 from Hot Springs. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6223-6229.	3.1	37
27	Shallow submarine hydrothermal activity with significant contribution of magmatic water producing talc chimneys in the Wakamiko Crater of Kagoshima Bay, southern Kyushu, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 258, 74-84.	2.1	36
28	Leaching of Metals and Metalloids from Hydrothermal Ore Particulates and Their Effects on Marine Phytoplankton. <i>ACS Omega</i> , 2017, 2, 3175-3182.	3.5	36
29	Amino acids in water samples from deep sea hydrothermal vents at Suiyo Seamount, Izu-Bonin Arc, Pacific Ocean. <i>Organic Geochemistry</i> , 2004, 35, 1121-1128.	1.8	34
30	Marine shallow-water hydrothermal activity and mineralization at the Wakamiko crater in Kagoshima bay, south Kyushu, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 173, 84-98.	2.1	33
31	Geochemical evidence for hydrothermal activity in the Okinawa trough.. <i>Geochemical Journal</i> , 1988, 22, 107-114.	1.0	27
32	Iron-Based Microbial Ecosystem on and Below the Seafloor: A Case Study of Hydrothermal Fields of the Southern Mariana Trough. <i>Frontiers in Microbiology</i> , 2012, 3, 89.	3.5	26
33	Microbial sulfate reduction plays an important role at the initial stage of subseafloor sulfide mineralization. <i>Geology</i> , 2021, 49, 222-227.	4.4	25
34	Secular variations in helium isotope ratios in an active volcano: Eruption and plug hypothesis. <i>Earth and Planetary Science Letters</i> , 1991, 107, 95-100.	4.4	24
35	Characteristics of Microbial Communities in Crustal Fluids in a Deep-Sea Hydrothermal Field of the Suiyo Seamount. <i>Frontiers in Microbiology</i> , 2013, 4, 85.	3.5	24
36	Anomalies of bottom CH ₄ and trace metal concentrations associated with high heat flow at the Calyptogena community off Hatsu-shima Island, Sagami Bay, Japan: A preliminary report of Tansei Maru KT-88-1 cruise Leg-1.. <i>Geochemical Journal</i> , 1988, 22, 215-230.	1.0	23

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37	Methane, ethane and total inorganic carbon in fluid samples taken during the 1989 Kaiko-Nankai project. <i>Earth and Planetary Science Letters</i> , 1992, 109, 383-390.	4.4	23
38	Nitrification-driven forms of nitrogen metabolism in microbial mat communities thriving along an ammonium-enriched subsurface geothermal stream. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 113, 152-173.	3.9	23
39	Chemical composition of hydrothermal fluids in the central and southern Mariana Trough backarc basin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 121, 126-136.	1.4	23
40	Geochemical characteristics of hydrothermal fluids at Hatoma Knoll in the southern Okinawa Trough. <i>Geochemical Journal</i> , 2016, 50, 493-525.	1.0	22
41	Expedition reveals changes in Lau Basin Hydrothermal System. <i>Eos</i> , 2006, 87, 13.	0.1	21
42	Spatial distribution, diversity and composition of bacterial communities in sub-seafloor fluids at a deep-sea hydrothermal field of the Suiyo Seamount. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1844-1855.	1.4	21
43	Mg-rich clay mineral formation associated with marine shallow-water hydrothermal activity in an arc volcanic caldera setting. <i>Chemical Geology</i> , 2013, 355, 28-44.	3.3	20
44	Development of an in situ manganese analyzer using micro-diaphragm pumps and its application to time-series observations in a hydrothermal field at the Suiyo seamount. <i>Geochemical Journal</i> , 2004, 38, 635-642.	1.0	19
45	Fluid-Sediment Interaction in a Marine Shallow-Water Hydrothermal System in the Wakamiko Submarine Crater, South Kyushu, Japan. <i>Resource Geology</i> , 2008, 58, 289-300.	0.8	19
46	Clay Minerals in an Active Hydrothermal Field at Iheya-North Knoll, Okinawa Trough. <i>Resource Geology</i> , 2015, 65, 346-360.	0.8	19
47	Different thermal preferences for brooding and larval dispersal of two neighboring shrimps in deep-sea hydrothermal vent fields. <i>Marine Ecology</i> , 2016, 37, 1282-1289.	1.1	19
48	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. <i>Chemical Geology</i> , 2019, 514, 90-104.	3.3	19
49	Helium and carbon gas geochemistry of pore fluids from the sediment-rich hydrothermal system in Escanaba Trough. <i>Applied Geochemistry</i> , 2002, 17, 1457-1466.	3.0	18
50	Growth temperatures of archaeal communities can be estimated from the guanine plus cytosine contents of 16S rRNA gene fragments. <i>Environmental Microbiology Reports</i> , 2013, 5, 468-474.	2.4	18
51	Defining boundaries for the distribution of microbial communities beneath the sediment-buried, hydrothermally active seafloor. <i>ISME Journal</i> , 2017, 11, 529-542.	9.8	18
52	Culture-Independent Estimation of Optimal and Maximum Growth Temperatures of Archaea in Subsurface Habitats Based on the G+C Content in 16S rRNA Gene Sequences. <i>Geomicrobiology Journal</i> , 2010, 27, 114-122.	2.0	17
53	Analysis of the archaeal sub-seafloor community at Suiyo Seamount on the Izu-Bonin Arc. <i>Advances in Space Research</i> , 2005, 35, 1634-1642.	2.6	15
54	ESR Dating of Marine Barite in Chimneys Deposited from Hydrothermal Vents. <i>Geochronometria</i> , 2010, 37, 57-61.	0.8	15

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55	Different partitioning behaviors of molybdenum and tungsten in a sediment-water system under various redox conditions. <i>Chemical Geology</i> , 2017, 471, 38-51.	3.3	14
56	Biooxidation of Gold-, Silver, and Antimony-Bearing Highly Refractory Polymetallic Sulfide Concentrates, and its Comparison with Abiotic Pretreatment Techniques. <i>Geomicrobiology Journal</i> , 2015, 32, 538-548.	2.0	12
57	Silver-catalyzed bioleaching of enargite concentrate using moderately thermophilic microorganisms. <i>Hydrometallurgy</i> , 2018, 177, 197-204.	4.3	12
58	Mantle helium signal in the West Carpathians, Poland.. <i>Geochemical Journal</i> , 1997, 31, 383-394.	1.0	11
59	Thermal stability of ESR signals in hydrothermal barites. <i>Radiation Measurements</i> , 2011, 46, 866-870.	1.4	10
60	Direct Access to the Sub-Vent Biosphere by Shallow Drilling. <i>Oceanography</i> , 2007, 20, 24-25.	1.0	10
61	Evaluation of the toxicity of leaches from hydrothermal sulfide deposits by means of a delayed fluorescence-based bioassay with the marine cyanobacterium <i>Cyanobium</i> sp. NIES-981. <i>Ecotoxicology</i> , 2018, 27, 1303-1309.	2.4	9
62	Ubiquity of <i>Euglena mutabilis</i> Population in Three Ecologically Distinct Acidic Habitats in Southwestern Japan. <i>Water (Switzerland)</i> , 2021, 13, 1570.	2.7	9
63	Population history of deep-sea vent and seep <i>Provanna</i> snails (Mollusca: Abyssochrysoidea) in the northwestern Pacific. <i>PeerJ</i> , 2018, 6, e5673.	2.0	9
64	A new, automatic hydrothermal fluid sampler using a shape-memory alloy. <i>Journal of Oceanography</i> , 1998, 54, 241-246.	1.7	7
65	The alpha effectiveness of the dating ESR signal in barite. <i>Radiation Measurements</i> , 2012, 47, 900-902.	1.4	7
66	Mineral nitrogen isotope signature in clay minerals formed under high ammonium environment conditions in sediment associated with ammonium-rich sediment-hosted hydrothermal system. <i>Geochemical Journal</i> , 2018, 52, 317-333.	1.0	7
67	Carbon Isotope Measurement of Extremely Low Amounts of CH ₄ : Application to Volcanic Gases from Satsuma-Iwojima, Japan.. <i>Analytical Sciences</i> , 1999, 15, 513-516.	1.6	6
68	Catalytic mechanism of activated carbon-assisted bioleaching of enargite concentrate. <i>Hydrometallurgy</i> , 2020, 196, 105417.	4.3	6
69	ESR dating of barite in sulphide deposits formed by the sea-floor hydrothermal activities. <i>Radiation Protection Dosimetry</i> , 2014, 159, 203-211.	0.8	5
70	Formation of gas discharging from Taketomi submarine hot spring off Ishigaki Island in the southern Ryukyu Islands, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 330, 24-35.	2.1	4
71	The subseafloor thermal gradient at Iheya North Knoll, Okinawa Trough, based on oxygen and hydrogen isotope ratios of clay minerals. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 384, 263-274.	2.1	4
72	Preface: Front edge of submarine mineral resources research in Japan. <i>Geochemical Journal</i> , 2015, 49, 575-577.	1.0	4

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73	Dissolved ion analyses of stream water from bamboo forests: Implication for enhancement of chemical weathering by bamboo. <i>Geochemical Journal</i> , 2012, 46, 505-515.	1.0	3
74	Methanogens in H ₂ -rich hydrothermal fluids resulting from phase separation in a sediment-starved, basalt-hosted hydrothermal system. <i>Chemical Geology</i> , 2016, 447, 208-218.	3.3	3
75	Solid sulfur spherules near fumaroles of Hakone volcano, Japan. <i>International Journal of Earth Sciences</i> , 2019, 108, 347-356.	1.8	3
76	Gas geochemistry of geothermal fluids from the Hatchobaru geothermal field, Japan. <i>Geothermics</i> , 2022, 102, 102379.	3.4	3
77	Raman microspectroscopic study of reference clay minerals and alteration minerals in volcanic ejecta from the 7 March 2012 phreatic eruption on Ioto Island (Iwo-jima), Izu-Bonin arc, Japan. <i>Vibrational Spectroscopy</i> , 2021, 114, 103247.	2.2	2
78	Volatile element isotopes of submarine hydrothermal mineral deposits in the Western Pacific. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 2128-2142.	2.5	1
79	The alpha effectiveness of the dating ESR signal in barite: possible dependence with age. <i>Geochronometria</i> , 2016, 43, 174-178.	0.8	1
80	Convenient analysis of chemical composition of clay fraction of sediment by electron probe microanalyzer. <i>Geochemical Journal</i> , 2017, 51, 583-588.	1.0	1
81	ESR dating of sea-floor hydrothermal barite: contribution of ^{228}Ra to the accumulated dose. <i>Geochronometria</i> , 2016, 43, 201-206.	0.8	0
82	Preface: Front edge of submarine mineral resources research in Japan (Part 2). <i>Geochemical Journal</i> , 2016, 50, 449-452.	1.0	0