Tomohiro Toki

List of Publications by Year
in descending order

23	1,427	567281 15	642732 23
papers	citations	h-index	g-index

23	23	23	1811
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cell proliferation at 122Â°C and isotopically heavy CH ₄ production by a hyperthermophilic methanogen under high-pressure cultivation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10949-10954.	7.1	679
2	Hydrothermal fluid geochemistry at the Iheya North field in the mid-Okinawa Trough: Implication for origin of methane in subseafloor fluid circulation systems. Geochemical Journal, 2011, 45, 109-124.	1.0	122
3	Deep-biosphere methane production stimulated by geofluids in the Nankai accretionary complex. Science Advances, 2018, 4, eaao4631.	10.3	79
4	Geochemical origin of hydrothermal fluid methane in sediment-associated fields and its relevance to the geographical distribution of whole hydrothermal circulation. Chemical Geology, 2013, 339, 213-225.	3.3	70
5	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. Geochemical Journal, 2014, 48, 357-369.	1.0	69
6	Discovery of a new hydrothermal vent based on an underwater, high-resolution geophysical survey. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 74, 1-10.	1.4	63
7	Atribacteria from the Subseafloor Sedimentary Biosphere Disperse to the Hydrosphere through Submarine Mud Volcanoes. Frontiers in Microbiology, 2017, 8, 1135.	3.5	55
8	Coseimic massive methane release from a submarine mud volcano. Earth and Planetary Science Letters, 2012, 341-344, 79-85.	4.4	37
9	Origins of lithium in submarine mud volcano fluid in the Nankai accretionary wedge. Earth and Planetary Science Letters, 2015, 414, 144-155.	4.4	37
10	Endemicity of the cosmopolitan mesophilic chemolithoautotroph Sulfurimonas at deep-sea hydrothermal vents. ISME Journal, 2017, 11, 909-919.	9.8	30
11	Origin of methane-rich natural gas at the West Pacific convergent plate boundary. Scientific Reports, 2017, 7, 15646.	3.3	29
12	Isotopic variation of molecular hydrogen in 20Â°â€“375Â°C hydrothermal fluids as detected by a new analytical method. Journal of Geophysical Research, 2010, 115, .	3.3	26
13	Comparative Analysis of Microbial Communities in Iron-Dominated Flocculent Mats in Deep-Sea Hydrothermal Environments. Applied and Environmental Microbiology, 2016, 82, 5741-5755.	3.1	26
14	Methane production and accumulation in the Nankai accretionary prism: Results from IODP Expeditions 315 and 316. Geochemical Journal, 2012, 46, 89-106.	1.0	25
15	Geochemical characteristics of hydrothermal fluids at Hatoma Knoll in the southern Okinawa Trough. Geochemical Journal, 2016, 50, 493-525.	1.0	22
16	Methane enrichment in lowâ€temperature hydrothermal fluids from the Suiyo Seamount in the Izuâ€Bonin Arc of the western Pacific Ocean. Journal of Geophysical Research, 2008, 113, .	3.3	15
17	Origin and transport of pore fluids in the Nankai accretionary prism inferred from chemical and isotopic compositions of pore water at cold seep sites off Kumano. Earth, Planets and Space, 2014, 66, .	2.5	15
18	The vertical chloride ion profile at the IODP Site C0002, Kumano Basin, off coast of Japan. Tectonophysics, 2017, 710-711, 88-96.	2.2	9

#	Article	IF	Citations
19	Vertical profiles of arsenic and arsenic species transformations in deep-sea sediment, Nankai Trough, offshore Japan. Progress in Earth and Planetary Science, 2019, 6, .	3.0	7
20	Origins of hydrocarbons in the Sagara oil field, central Japan. Island Arc, 2006, 15, 285-291.	1.1	4
21	Formation of gas discharging from Taketomi submarine hot spring off Ishigaki Island in the southern Ryukyu Islands, Japan. Journal of Volcanology and Geothermal Research, 2017, 330, 24-35.	2.1	4
22	Methanogens in H 2 -rich hydrothermal fluids resulting from phase separation in a sediment-starved, basalt-hosted hydrothermal system. Chemical Geology, 2016, 447, 208-218.	3.3	3
23	Development of a New Method of Extraction of Interstitial Water from Lowâ€Porosity Consolidated Sediments Recovered During Superâ€Deep Drilling Projects. Geostandards and Geoanalytical Research, 2016, 40, 291-300.	3.1	1