

# Tomohiro Toki

## List of Publications by Year in descending order

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23  
papers

1,427  
citations

567281

15  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical profiles of arsenic and arsenic species transformations in deep-sea sediment, Nankai Trough, offshore Japan. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	3.0	7
2	Deep-biosphere methane production stimulated by geofluids in the Nankai accretionary complex. <i>Science Advances</i> , 2018, 4, eaao4631.	10.3	79
3	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
4	The vertical chloride ion profile at the IODP Site C0002, Kumano Basin, off coast of Japan. <i>Tectonophysics</i> , 2017, 710-711, 88-96.	2.2	9
5	Endemicity of the cosmopolitan mesophilic chemolithoautotroph <i>Sulfurimonas</i> at deep-sea hydrothermal vents. <i>ISME Journal</i> , 2017, 11, 909-919.	9.8	30
6	Origin of methane-rich natural gas at the West Pacific convergent plate boundary. <i>Scientific Reports</i> , 2017, 7, 15646.	3.3	29
7	Atribacteria from the Subseafloor Sedimentary Biosphere Disperse to the Hydrosphere through Submarine Mud Volcanoes. <i>Frontiers in Microbiology</i> , 2017, 8, 1135.	3.5	55
8	Comparative Analysis of Microbial Communities in Iron-Dominated Flocculent Mats in Deep-Sea Hydrothermal Environments. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5741-5755.	3.1	26
9	Methanogens in H <sub>2</sub> -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
10	Development of a New Method of Extraction of Interstitial Water from Low-Porosity Consolidated Sediments Recovered During Super-Deep Drilling Projects. <i>Geostandards and Geoanalytical Research</i> , 2016, 40, 291-300.	3.1	1
11	Geochemical characteristics of hydrothermal fluids at Hatoma Knoll in the southern Okinawa Trough. <i>Geochemical Journal</i> , 2016, 50, 493-525.	1.0	22
12	Origins of lithium in submarine mud volcano fluid in the Nankai accretionary wedge. <i>Earth and Planetary Science Letters</i> , 2015, 414, 144-155.	4.4	37
13	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. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	15
14	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
15	Geochemical origin of hydrothermal fluid methane in sediment-associated fields and its relevance to the geographical distribution of whole hydrothermal circulation. <i>Chemical Geology</i> , 2013, 339, 213-225.	3.3	70
16	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
17	Methane production and accumulation in the Nankai accretionary prism: Results from IODP Expeditions 315 and 316. <i>Geochemical Journal</i> , 2012, 46, 89-106.	1.0	25
18	Coseismic massive methane release from a submarine mud volcano. <i>Earth and Planetary Science Letters</i> , 2012, 341-344, 79-85.	4.4	37

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19	Hydrothermal fluid geochemistry at the Iheya North field in the mid-Okinawa Trough: Implication for origin of methane in subseafloor fluid circulation systems. <i>Geochemical Journal</i> , 2011, 45, 109-124.	1.0	122
20	Isotopic variation of molecular hydrogen in 20Å°â€“375Å°C hydrothermal fluids as detected by a new analytical method. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	26
21	Methane enrichment in lowâ€temperature hydrothermal fluids from the Suiyo Seamount in the Izuâ€Bonin Arc of the western Pacific Ocean. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	15
22	Cell proliferation at 122Å°C and isotopically heavy CH <sub>4</sub> production by a hyperthermophilic methanogen under high-pressure cultivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10949-10954.	7.1	679
23	Origins of hydrocarbons in the Sagara oil field, central Japan. <i>Island Arc</i> , 2006, 15, 285-291.	1.1	4