

Mio Takeuchi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

784
citations

567281

15
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

1132
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for syntrophic acetate oxidation coupled to hydrogenotrophic methanogenesis in the high-temperature petroleum reservoir of Yabase oil field (Japan). <i>Environmental Microbiology</i> , 2011, 13, 1995-2006.	3.8	114
2	Arsenic resistance and removal by marine and non-marine bacteria. <i>Journal of Biotechnology</i> , 2007, 127, 434-442.	3.8	106
3	Carbon dioxide concentration dictates alternative methanogenic pathways in oil reservoirs. <i>Nature Communications</i> , 2013, 4, 1998.	12.8	98
4	<i>Methylocaldum marinum</i> sp. nov., a thermotolerant, methane-oxidizing bacterium isolated from marine sediments, and emended description of the genus <i>Methylocaldum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3240-3246.	1.7	63
5	<i>Methyloceanibacter caenitepidi</i> gen. nov., sp. nov., a facultatively methylotrophic bacterium isolated from marine sediments near a hydrothermal vent. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 462-468.	1.7	54
6	Rate determination and distribution of anammox activity in activated sludge treating swine wastewater. <i>Bioresource Technology</i> , 2010, 101, 2685-2690.	9.6	42
7	Comparative study of microbial dechlorination of chlorinated ethenes in an aquifer and a clayey aquitard. <i>Journal of Contaminant Hydrology</i> , 2011, 124, 14-24.	3.3	35
8	A distinct freshwater-adapted subgroup of ANME-1 dominates active archaeal communities in terrestrial subsurfaces in Japan. <i>Environmental Microbiology</i> , 2011, 13, 3206-3218.	3.8	32
9	Characterization of humic acids in sediments from dam reservoirs by pyrolysis-gas chromatography/mass spectrometry using tetramethylammonium hydroxide: Influence of the structural features of humic acids on iron(II) binding capacity. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 91, 323-331.	5.5	26
10	Possible cross-feeding pathway of facultative methylotroph <i>Methyloceanibacter caenitepidi</i> Gela4 on methanotroph <i>Methylocaldum marinum</i> S8. <i>PLoS ONE</i> , 2019, 14, e0213535.	2.5	22
11	Bacterial and Archaeal 16S rRNA Genes in Late Pleistocene to Holocene Muddy Sediments from the Kanto Plain of Japan. <i>Geomicrobiology Journal</i> , 2009, 26, 104-118.	2.0	21
12	Distribution and fate of biologically formed organoarsenicals in coastal marine sediment. <i>Applied Organometallic Chemistry</i> , 2005, 19, 945-951.	3.5	18
13	In situ bioremediation of a cis-dichloroethylene-contaminated aquifer utilizing methane-rich groundwater from an uncontaminated aquifer. <i>Water Research</i> , 2005, 39, 2438-2444.	11.3	18
14	Estimating the viability of <i>Chlorella</i> exposed to oxidative stresses based around photocatalysis. <i>International Biodeterioration and Biodegradation</i> , 2013, 78, 1-6.	3.9	18
15	Skin bacteria of rainbow trout antagonistic to the fish pathogen <i>Flavobacterium psychrophilum</i> . <i>Scientific Reports</i> , 2021, 11, 7518.	3.3	18
16	Prevention of <i>Phormidium tenue</i> Biofilm Formation by TiO ₂ Photocatalysis. <i>Microbes and Environments</i> , 2009, 24, 241-245.	1.6	16
17	<i>Tepidicaulis marinus</i> gen. nov., sp. nov., a marine bacterium that reduces nitrate to nitrous oxide under strictly microaerobic conditions. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1749-1754.	1.7	16
18	Temperature and pH Dependence of Some Metals Leaching from Fly Ash of Municipal Solid Waste. <i>Resource Geology</i> , 2005, 55, 357-372.	0.8	12

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19	Natural groundwater of a gas field utilizable for a bioremediation of trichloroethylene-contamination. <i>Environmental Geology</i> , 2004, 45, 891-898.	1.2	9
20	Distribution and characterization of anammox in a swine wastewater activated sludge facility. <i>Water Science and Technology</i> , 2013, 67, 2330-2336.	2.5	8
21	Chemistry of fly ash and cyclone ash leachate from waste materials and effects of ash leachates on bacterial growth, nitrogen-transformation activity, and metal accumulation. <i>Journal of Hazardous Materials</i> , 2009, 165, 967-973.	12.4	7
22	Acetate excretion by a methanotroph, <i>Methylocaldum marinum</i> S8, under aerobic conditions. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 2326-2333.	1.3	6
23	Distribution of Methanotrophs in Trichloroethylene-Contaminated Aquifers in a Natural Gas Field. <i>Geomicrobiology Journal</i> , 2001, 18, 387-399.	2.0	5
24	Carbon-14 age and chemical evolution of Ca(HCO ₃) ₂ -type groundwater of age less than 8,000 years in a confined sandy and muddy Pleistocene aquifer, Japan. <i>Hydrogeology Journal</i> , 2013, 21, 1289-1305.	2.1	5
25	Distribution of Dehalococcoides 16S rRNA and Dehalogenase Genes in Contaminated Sites. <i>Environment and Natural Resources Research</i> , 2017, 7, 37.	0.1	3
26	Microbial methane production and oxidation in the Holocene mud beneath the Kanto Plain of central Japan. <i>Geochemical Journal</i> , 2020, 54, 243-254.	1.0	3
27	Impact of Changes in Redox Conditions on Leaching of Some Elements from MSW Fly Ash. <i>Resource Geology</i> , 2006, 56, 191-196.	0.8	2
28	Complete dominant inheritance of intracellular leucine accumulation traits in polyploid yeasts. <i>Yeast</i> , 2022, 39, 272-282.	1.7	2
29	Role of Aquitard in Subsurface Microbial Activity. <i>Journal of Geography (Chigaku Zasshi)</i> , 2007, 116, 915-921.	0.3	1
30	Microbial community structure in deep natural gas-bearing aquifers subjected to sulfate-containing fluid injection. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 45-51.	2.2	1