Ken Takai

List of Publications by Year
in descending order

259 papers	19,247 citations	10986 71 h-index	16183 124 g-index
271 all docs	271 docs citations	271 times ranked	12090 citing authors

#	Article	IF	Citations
1	Spatial variation of subduction zone fluids during progressive subduction: Insights from Serpentinite Mud Volcanoes. Geochimica Et Cosmochimica Acta, 2022, 319, 118-134.	3.9	13
2	Multispecies Populations of Methanotrophic Methyloprofundus and Cultivation of a Likely Dominant Species from the Iheya North Deep-Sea Hydrothermal Field. Applied and Environmental Microbiology, 2022, 88, AEM0075821.	3.1	12
3	Spatial distribution of organic functional groups in Ediacaran acritarchs from the Doushantuo Formation in South China as revealed by micro-FTIR spectroscopy. Precambrian Research, 2022, 373, 106628.	2.7	5
4	Uniaxial orientation of Î²-chitin nanofibres used as an organic framework in the scales of a hot vent snail. Journal of the Royal Society Interface, 2022, 19, .	3.4	3
5	Endosymbiont population genomics sheds light on transmission mode, partner specificity, and stability of the scaly-foot snail holobiont. ISME Journal, 2022, 16, 2132-2143.	9.8	6
6	Stable Abiotic Production of Ammonia from Nitrate in Komatiite-Hosted Hydrothermal Systems in the Hadean and Archean Oceans. Minerals (Basel, Switzerland), 2021, 11, 321.	2.0	10
7	Thioester synthesis through geoelectrochemical CO2 fixation on Ni sulfides. Communications Chemistry, 2021, 4, .	4.5	24
8	Hydrogenimonas urashimensis sp. nov., a hydrogen-oxidizing chemolithoautotroph isolated from a deep-sea hydrothermal vent in the Southern Mariana Trough. Systematic and Applied Microbiology, 2021, 44, 126170.	2.8	10
9	Chemical Nature of Hydrothermal Fluids Generated by Serpentinization and Carbonation of Komatiite: Implications for H₂â€Rich Hydrothermal System and Ocean Chemistry in the Early Earth. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009827.	2.5	9
10	Fluid transport and reaction processes within a serpentinite mud volcano: South Chamorro Seamount. Geochimica Et Cosmochimica Acta, 2020, 269, 413-428.	3.9	19
11	Microbial community and geochemical analyses of trans-trench sediments for understanding the roles of hadal environments. ISME Journal, 2020, 14, 740-756.	9.8	99
12	Metatranscriptomics by In Situ RNA Stabilization Directly and Comprehensively Revealed Episymbiotic Microbial Communities of Deep-Sea Squat Lobsters. MSystems, 2020, 5, .	3.8	7
13	Biogeochemical Implications of N2O-Reducing Thermophilic Campylobacteria in Deep-Sea Vent Fields, and the Description of Nitratiruptor labii sp. nov.. IScience, 2020, 23, 101462.	4.1	16
14	Fragmentation of acetate-CoA ligase gives a clue to understand domain rearrangement history of NDP-forming acyl-CoA synthetase superfamily proteins. Bioscience, Biotechnology and Biochemistry, 2020, 84, 2045-2053.	1.3	0
15	Dual energy metabolism of the Campylobacterota endosymbiont in the chemosynthetic snail Alviniconcha marisindica. ISME Journal, 2020, 14, 1273-1289.	9.8	16
16	Isolation of an archaeon at the prokaryoteâ€“eukaryote interface. Nature, 2020, 577, 519-525.	27.8	449
17	The Scaly-foot Snail genome and implications for the origins of biomineralised armour. Nature Communications, 2020, 11, 1657.	12.8	64
18	Experimental Simulations of Hypervelocity Impact Penetration of Asteroids Into the Terrestrial Ocean and Benthic Cratering. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006291.	3.6	2

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19	Haloarcula mannanilytica sp. nov., a galactomannan-degrading haloarchaeon isolated from commercial salt. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 6331-6337.	1.7	10
20	Metals likely promoted protometabolism in early ocean alkaline hydrothermal systems. Science Advances, 2019, 5, eaav7848.	10.3	68
21	Peptide Synthesis under the Alkaline Hydrothermal Conditions on Enceladus. ACS Earth and Space Chemistry, 2019, 3, 2559-2568.	2.7	20
22	The Nitrogen Cycle: A Large, Fast, and Mystifying Cycle. Microbes and Environments, 2019, 34, 223-225.	1.6	26
23	Origin of Short-Chain Organic Acids in Serpentinite Mud Volcanoes of the Mariana Convergent Margin. Frontiers in Microbiology, 2019, 10, 1729.	3.5	11
24	The making of natural iron sulfide nanoparticles in a hot vent snail. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20376-20381.	7.1	15
25	Fourier transform infrared microspectroscopic characterization of Neoproterozoic organic microfossils from the Fifteenmile Group in Yukon, Canada. Island Arc, 2019, 28, e12310.	1.1	5
26	An Improved Method for Extracting Viruses From Sediment: Detection of Far More Viruses in the Subseafloor Than Previously Reported. Frontiers in Microbiology, 2019, 10, 878.	3.5	21
27	Limits of Terrestrial Life and Biosphere. , 2019, , 323-344.		12
28	Cultivable microbial community in 2-km-deep, 20-million-year-old subseafloor coalbeds through ~1000 days anaerobic bioreactor cultivation. Scientific Reports, 2019, 9, 2305.	3.3	17
29	Genomics insights into ecotype formation of ammoniaâ€oxidizing archaea in the deep ocean. Environmental Microbiology, 2019, 21, 716-729.	3.8	39
30	Recent Topics on Deep-Sea Microbial Communities in Microbes and Environments. Microbes and Environments, 2019, 34, 345-346.	1.6	3
31	Structural comparisons of phosphoenolpyruvate carboxykinases reveal the evolutionary trajectories of these phosphodiester energy conversion enzymes. Journal of Biological Chemistry, 2019, 294, 19269-19278.	3.4	10
32	Discovery and analysis of a novel type of the serine biosynthetic enzyme phosphoserine phosphatase in Thermus thermophilus. FEBS Journal, 2019, 286, 726-736.	4.7	7
33	Complete genome sequence of Pelolinea submarina MO-CFX1T within the phylum Chloroflexi, isolated from subseafloor sediment. Marine Genomics, 2019, 46, 49-53.	1.1	5
34	Aggregatilinea lenta gen. nov., sp. nov., a slow-growing, facultatively anaerobic bacterium isolated from subseafloor sediment, and proposal of the new order Aggregatilineales ord. nov. within the class Anaerolineae of the phylum Chloroflexi. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 1185-1194.	1.7	32
35	Methanofervidicoccus abyssi gen. nov., sp. nov., a hydrogenotrophic methanogen, isolated from a hydrothermal vent chimney in the Mid-Cayman Spreading Center, the Caribbean Sea. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 1225-1230.	1.7	17
36	Phylogeography of hydrothermal vent stalked barnacles: a new species fills a gap in the Indian Ocean â€˜dispersal corridorâ€™ hypothesis. Royal Society Open Science, 2018, 5, 172408.	2.4	27

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37	Geoelectrochemical CO production: Implications for the autotrophic origin of life. Science Advances, 2018, 4, eaao7265.	10.3	41
38	A primordial and reversible TCA cycle in a facultatively chemolithoautotrophic thermophile. Science, 2018, 359, 559-563.	12.6	155
39	Recycled Archean sulfur in the mantle wedge of the Mariana Forearc and microbial sulfate reduction within an extremely alkaline serpentine seamount. Earth and Planetary Science Letters, 2018, 491, 109-120.	4.4	14
40	Cool, alkaline serpentinite formation fluid regime with scarce microbial habitability and possible abiotic synthesis beneath the South Chamorro Seamount. Progress in Earth and Planetary Science, 2018, 5, .	3.0	19
41	Enrichment and Genomic Characterization of a N2O-Reducing Chemolithoautotroph From a Deep-Sea Hydrothermal Vent. Frontiers in Bioengineering and Biotechnology, 2018, 6, 184.	4.1	6
42	Unveiling the RNA virosphere associated with marine microorganisms. Molecular Ecology Resources, 2018, 18, 1444-1455.	4.8	59
43	Compositional and Functional Shifts in the Epibiotic Bacterial Community of <i>Shinkaia crosnieri</i> Baba & Williams (a Squat Lobster from Hydrothermal Vents) during Methane-Fed Rearing. Microbes and Environments, 2018, 33, 348-356.	1.6	9
44	Microbial Diversity in Sediments from the Bottom of the Challenger Deep, the Mariana Trench. Microbes and Environments, 2018, 33, 186-194.	1.6	75
45	Long-Term Cultivation and Metagenomics Reveal Ecophysiology of Previously Uncultivated Thermophiles Involved in Biogeochemical Nitrogen Cycle. Microbes and Environments, 2018, 33, 107-110.	1.6	45
46	Deep-biosphere methane production stimulated by geofluids in the Nankai accretionary complex. Science Advances, 2018, 4, eaao4631.	10.3	79
47	Quantitative Viral Community DNA Analysis Reveals the Dominance of Single-Stranded DNA Viruses in Offshore Upper Bathyal Sediment from Tohoku, Japan. Frontiers in Microbiology, 2018, 9, 75.	3.5	23
48	Deepâ€Sea Hydrothermal Fields as Natural Power Plants. ChemElectroChem, 2018, 5, 2162-2166.	3.4	15
49	Cultivation mutualism between a deep-sea vent galatheid crab and its chemosynthetic epibionts. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 127, 13-20.	1.4	10
50	Biotic manganese oxidation coupled with methane oxidation using a continuous-flow bioreactor system under marine conditions. Water Science and Technology, 2017, 76, 1781-1795.	2.5	8
51	Spontaneous and Widespread Electricity Generation in Natural Deepâ€Sea Hydrothermal Fields. Angewandte Chemie - International Edition, 2017, 56, 5725-5728.	13.8	56
52	Molybdenum Sulfide: A Bioinspired Electrocatalyst for Dissimilatory Ammonia Synthesis with Geoelectrical Current. Journal of Physical Chemistry C, 2017, 121, 2154-2164.	3.1	40
53	Endemicity of the cosmopolitan mesophilic chemolithoautotroph Sulfurimonas at deep-sea hydrothermal vents. ISME Journal, 2017, 11, 909-919.	9.8	30
54	Mariprofundus micogutta sp. nov., a novel iron-oxidizing zetaproteobacterium isolated from a deep-sea hydrothermal field at the Bayonnaise knoll of the Izu-Ogasawara arc, and a description of Mariprofundales ord. nov. and Zetaproteobacteria classis nov.. Archives of Microbiology, 2017, 199, 335-346.	2.2	48

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55	Defining boundaries for the distribution of microbial communities beneath the sediment-buried, hydrothermally active seafloor. ISME Journal, 2017, 11, 529-542.	9.8	18
56	A new model for a hydrothermal circulation system and limit of the life. Journal of the Geological Society of Japan, 2017, 123, 237-250.	0.6	1
57	WHATS-3: An Improved Flow-Through Multi-bottle Fluid Sampler for Deep-Sea Geofluid Research. Frontiers in Earth Science, 2017, 5, .	1.8	30
58	Comparative Genomic Analysis of the Class Epsilonproteobacteria and Proposed Reclassification to Epsilonbacteraeota (phyl. nov.). Frontiers in Microbiology, 2017, 8, 682.	3.5	409
59	Post-drilling research of IODP Expedition 331: a test-bed for anthropogenic impacts and experiments on deep-sea hydrothermal activity and ecosystem. Journal of the Geological Society of Japan, 2017, 123, 225-235.	0.6	1
60	A Simple and Efficient RNA Extraction Method from Deep-Sea Hydrothermal Vent Chimney Structures. Microbes and Environments, 2017, 32, 330-335.	1.6	13
61	Salinarchaeum chitinilyticum sp. nov., a chitin-degrading haloarchaeon isolated from commercial salt. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2274-2278.	1.7	25
62	Loss of genes related to Nucleotide Excision Repair (NER) and implications for reductive genome evolution in symbionts of deep-sea vesicomyid clams. PLoS ONE, 2017, 12, e0171274.	2.5	6
63	Virologists are â€œSymbiontsâ€•in Microbial Ecology. Microbes and Environments, 2016, 31, 367-368.	1.6	3
64	Distribution and Niche Separation of Planktonic Microbial Communities in the Water Columns from the Surface to the Hadal Waters of the Japan Trench under the Eutrophic Ocean. Frontiers in Microbiology, 2016, 7, 1261.	3.5	62
65	Reactions between komatiite and CO2-rich seawater at 250 and 350ÂÂ°C, 500 bars: implications for hydrogen generation in the Hadean seafloor hydrothermal system. Progress in Earth and Planetary Science, 2016, 3, .	3.0	24
66	Variance and potential niche separation of microbial communities in subseafloor sediments off <scp>S</scp>himokita <scp>P</scp>eninsula, <scp>J</scp>apan. Environmental Microbiology, 2016, 18, 1889-1906.	3.8	48
67	Biometric assessment of deep-sea vent megabenthic communities using multi-resolution 3D image reconstructions. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 116, 200-219.	1.4	48
68	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
69	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
70	Hydrogen and carbon isotope systematics in hydrogenotrophic methanogenesis under H2-limited and H2-enriched conditions: implications for the origin of methane and its isotopic diagnosis. Progress in Earth and Planetary Science, 2016, 3, .	3.0	35
71	Nitrogen and Oxygen Isotope Effects of Ammonia Oxidation by Thermophilic Thaumarchaeota from a Geothermal Water Stream. Applied and Environmental Microbiology, 2016, 82, 4492-4504.	3.1	31
72	Free energy distribution and hydrothermal mineral precipitation in Hadean submarine alkaline vent systems: Importance of iron redox reactions under anoxic conditions. Geochimica Et Cosmochimica Acta, 2016, 175, 1-19.	3.9	52

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73	Thiomicrospira hydrogeniphila sp. nov., an aerobic, hydrogen- and sulfur-oxidizing chemolithoautotroph isolated from a seawater tank containing a block of beef tallow. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 3688-3693.	1.7	18
74	Geochemical characteristics of hydrothermal fluids at Hatoma Knoll in the southern Okinawa Trough. Geochemical Journal, 2016, 50, 493-525.	1.0	22
75	A New Fractionation and Recovery Method of Viral Genomes Based on Nucleic Acid Composition and Structure Using Tandem Column Chromatography. Microbes and Environments, 2015, 30, 199-203.	1.6	18
76	Effects of Hemagglutination Activity in the Serum of a Deep-Sea Vent Endemic Crab, <i>Shinkaia Crosnieri</i>, on Non-Symbiotic and Symbiotic Bacteria. Microbes and Environments, 2015, 30, 228-234.	1.6	9
77	Hydrogen-rich hydrothermal environments in the Hadean ocean inferred from serpentinization of komatiites at 300ÂÂ°C and 500Âbar. Progress in Earth and Planetary Science, 2015, 2, .	3.0	45
78	Presence of a Novel Methanogenic Archaeal Lineage in Anaerobic Digesters Inferred from <I>mcrA</I> and 16S rRNA Gene Phylogenetic Analyses. Journal of Water and Environment Technology, 2015, 13, 279-289.	0.7	9
79	Thermoelectricity Generation and Electronâ€“Magnon Scattering in a Natural Chalcopyrite Mineral from a Deepâ€Sea Hydrothermal Vent. Angewandte Chemie - International Edition, 2015, 54, 12909-12913.	13.8	156
80	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.	2.5	41
81	Hadal biosphere: Insight into the microbial ecosystem in the deepest ocean on Earth. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1230-6.	7.1	277
82	Introduction of TAIGA Concept. , 2015, , 3-10.		1
83	Genomic characterization of a temperate phage of the psychrotolerant deep-sea bacterium Aurantimonas sp.. Extremophiles, 2015, 19, 49-58.	2.3	15
84	Identification and genomic analysis of temperate Pseudomonas bacteriophage PstS-1 from the Japan trench at a depth of 7000Âm. Research in Microbiology, 2015, 166, 668-676.	2.1	12
85	Molecular evidence of digestion and absorption of epibiotic bacterial community by deep-sea crab Shinkaia crosnieri. ISME Journal, 2015, 9, 821-831.	9.8	36
86	Comparative Investigation of Microbial Communities Associated with Hydrothermal Activities in the Okinawa Trough. , 2015, , 421-435.		7
87	Development of a deep-sea mercury sensor using <i>in situ</i> anodic stripping voltammetry. Geochemical Journal, 2015, 49, 613-620.	1.0	4
88	Water column imaging with multibeam echo-sounding in the mid-Okinawa Trough: Implications for distribution of deep-sea hydrothermal vent sites and the cause of acoustic water column anomaly. Geochemical Journal, 2015, 49, 579-596.	1.0	67
89	A Long-Term Cultivation of an Anaerobic Methane-Oxidizing Microbial Community from Deep-Sea Methane-Seep Sediment Using a Continuous-Flow Bioreactor. PLoS ONE, 2014, 9, e105356.	2.5	55
90	Sulfurovum aggregans sp. nov., a hydrogen-oxidizing, thiosulfate-reducing chemolithoautotroph within the Epsilonproteobacteria isolated from a deep-sea hydrothermal vent chimney, and an emended description of the genus Sulfurovum. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3195-3201.	1.7	101

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91	The Family Nautiliaceae: The Genera Caminibacter, Lebetimonas, and Nautilia. , 2014, , 393-399.		5
92	Variability of subseafloor viral abundance at the geographically and geologically distinct continental margins. FEMS Microbiology Ecology, 2014, 88, 60-68.	2.7	26
93	Microbial Community Stratification Controlled by the Subseafloor Fluid Flow and Geothermal Gradient at the Iheya North Hydrothermal Field in the Mid-Okinawa Trough (Integrated Ocean Drilling) Tj ETQq1 1 0.784314 rgBT /Ov	3.7	29
94	Life at Subseafloor Extremes. Developments in Marine Geology, 2014, 7, 149-174.	0.4	2
95	Allying with armored snails: the complete genome of gammaproteobacterial endosymbiont. ISME Journal, 2014, 8, 40-51.	9.8	72
96	FTIR microspectroscopy of Ediacaran phosphatized microfossils from the Doushantuo Formation, Weng'an, South China. Gondwana Research, 2014, 25, 1120-1138.	6.0	22
97	Diversity and methane oxidation of active epibiotic methanotrophs on live Shinkaia crosnieri. ISME Journal, 2014, 8, 1020-1031.	9.8	34
98	Isotopic evidence for water-column denitrification and sulfate reduction at the end-Guadalupian (Middle Permian). Global and Planetary Change, 2014, 123, 110-120.	3.5	29
99	Electrochemical CO2 Reduction by Ni-containing Iron Sulfides: How Is CO2 Electrochemically Reduced at Bisulfide-Bearing Deep-sea Hydrothermal Precipitates?. Electrochimica Acta, 2014, 141, 311-318.	5.2	100
100	Nitrogen isotope chemostratigraphy across the Permianâ€“Triassic boundary at Chaotian, Sichuan, South China. Journal of Asian Earth Sciences, 2014, 93, 113-128.	2.3	31
101	Pelolinea submarina gen. nov., sp. nov., an anaerobic, filamentous bacterium of the phylum Chloroflexi isolated from subseafloor sediment. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 812-818.	1.7	63
102	Theoretical constraints of physical and chemical properties of hydrothermal fluids on variations in chemolithotrophic microbial communities in seafloor hydrothermal systems. Progress in Earth and Planetary Science, 2014, 1, 5.	3.0	69
103	Hydrogen isotope systematics among H2â€“H2Oâ€“CH4 during the growth of the hydrogenotrophic methanogen Methanothermobacter thermautotrophicus strain Î”H. Geochimica Et Cosmochimica Acta, 2014, 142, 601-614.	3.9	26
104	Physiological and isotopic characteristics of nitrogen fixation by hyperthermophilic methanogens: Key insights into nitrogen anabolism of the microbial communities in Archean hydrothermal systems. Geochimica Et Cosmochimica Acta, 2014, 138, 117-135.	3.9	44
105	Planetary protection on international waters: An onboard protocol for capsule retrieval and biosafety control in sample return mission. Advances in Space Research, 2014, 53, 1135-1142.	2.6	7
106	Microbial sulfate reduction within the Iheya North subseafloor hydrothermal system constrained by quadruple sulfur isotopes. Earth and Planetary Science Letters, 2014, 398, 113-126.	4.4	35
107	Nitrogen isotope chemostratigraphy of the Ediacaran and Early Cambrian platform sequence at Three Gorges, South China. Gondwana Research, 2014, 25, 1057-1069.	6.0	68
108	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

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109	The Family Hydrogenothermaceae. , 2014, , 689-699.		3
110	Physiological and Genomic Features of a Novel Sulfur-Oxidizing Gammaproteobacterium Belonging to a Previously Uncultivated Symbiotic Lineage Isolated from a Hydrothermal Vent. PLoS ONE, 2014, 9, e104959.	2.5	40
111	Genome sequence of a novel deep-sea vent epsilonproteobacterial phage provides new insight into the co-evolution of Epsilonproteobacteria and their phages. Extremophiles, 2013, 17, 405-419.	2.3	22
112	Sunxiuqinia faeciviva sp. nov., a facultatively anaerobic organoheterotroph of the Bacteroidetes isolated from deep subseafloor sediment. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1602-1609.	1.7	39
113	Reactions between basalt and CO2-rich seawater at 250 and 350 Â°C, 500 bars: Implications for the CO2 sequestration into the modern oceanic crust and the composition of hydrothermal vent fluid in the CO2-rich early ocean. Chemical Geology, 2013, 359, 1-9.	3.3	56
114	Stress State in the Largest Displacement Area of the 2011 Tohoku-Oki Earthquake. Science, 2013, 339, 687-690.	12.6	112
115	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
116	Nitrification-driven forms of nitrogen metabolism in microbial mat communities thriving along an ammonium-enriched subsurface geothermal stream. Geochimica Et Cosmochimica Acta, 2013, 113, 152-173.	3.9	23
117	Decrease of seawater CO2 concentration in the Late Archean: An implication from 2.6 Ga seafloor hydrothermal alteration. Precambrian Research, 2013, 236, 59-64.	2.7	16
118	Molecular biological and isotopic biogeochemical prognoses of the nitrificationâ€driven dynamic microbial nitrogen cycle in hadopelagic sediments. Environmental Microbiology, 2013, 15, 3087-3107.	3.8	68
119	Generation of Electricity and Illumination by an Environmental Fuel Cell in Deepâ€Sea Hydrothermal Vents. Angewandte Chemie - International Edition, 2013, 52, 10758-10761.	13.8	54
120	Exclusive localization of carbonic anhydrase in bacteriocytes of the deep-sea clamCalyptogena okutaniiwith thioautotrophic symbiotic bacteria. Journal of Experimental Biology, 2013, 216, 4403-14.	1.7	13
121	Isolation and Characterization of a Thermophilic, Obligately Anaerobic and Heterotrophic Marine <i>Chloroflexi</i> Bacterium from a <i>Chloroflexi</i>-dominated Microbial Community Associated with a Japanese Shallow Hydrothermal System, and Proposal for <i>Thermomarinilinea lacunofontalis</i> gen. nov., sp. nov.. Microbes and Environments, 2013, 28, 228-235.	1.6	89
122	Stable chlorine isotope ratio analysis of subnanomolar level methyl chloride by continuous-flow isotope ratio mass spectrometry. Geochemical Journal, 2013, 47, 469-473.	1.0	3
123	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.	2.5	52
124	Metagenomic Analysis of Viral Communities in (Hado)Pelagic Sediments. PLoS ONE, 2013, 8, e57271.	2.5	105
125	Biogeography of Persephonella in deep-sea hydrothermal vents of the Western Pacific. Frontiers in Microbiology, 2013, 4, 107.	3.5	41
126	The first microbiological contamination assessment by deep-sea drilling and coring by the D/V Chikyu at the Iheya North hydrothermal field in the Mid-Okinawa Trough (IODP Expedition 331). Frontiers in Microbiology, 2013, 4, 327.	3.5	40

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127	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.	2.5	1
128	High Connectivity of Animal Populations in Deep-Sea Hydrothermal Vent Fields in the Central Indian Ridge Relevant to Its Geological Setting. PLoS ONE, 2013, 8, e81570.	2.5	48
129	Spatial Distribution of Viruses Associated with Planktonic and Attached Microbial Communities in Hydrothermal Environments. Applied and Environmental Microbiology, 2012, 78, 1311-1320.	3.1	42
130	Microbial Diversity in Deep-sea Methane Seep Sediments Presented by SSU rRNA Gene Tag Sequencing. Microbes and Environments, 2012, 27, 382-390.	1.6	99
131	Disturbance of deep-sea environments induced by the M9.0 Tohoku Earthquake. Scientific Reports, 2012, 2, 270.	3.3	55
132	Seasonal change in microbial sulfur cycling in monomictic Lake Fukamiâ€ike, Japan. Limnology and Oceanography, 2012, 57, 974-988.	3.1	30
133	Dynamic process of turbidity generation triggered by the 2011 Tohokuâ€Oki earthquake. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	38
134	Thiofractor thiocaminus gen. nov., sp. nov., a novel hydrogen-oxidizing, sulfur-reducing epsilonproteobacterium isolated from a deep-sea hydrothermal vent chimney in the Nikko Seamount field of the northern Mariana Arc. Archives of Microbiology, 2012, 194, 785-794.	2.2	14
135	A Deeply Branching Thermophilic Bacterium with an Ancient Acetyl-CoA Pathway Dominates a Subsurface Ecosystem. PLoS ONE, 2012, 7, e30559.	2.5	161
136	Cell-Specific Thioautotrophic Productivity of Epsilon-Proteobacterial Epibionts Associated with Shinkaia crosnieri. PLoS ONE, 2012, 7, e46282.	2.5	23
137	A method for evaluating the host range of bacteriophages using phages fluorescently labeled with 5-ethynyl-2â€²-deoxyuridine (EdU). Applied Microbiology and Biotechnology, 2012, 95, 777-788.	3.6	11
138	Domainâ€level identification and quantification of relative prokaryotic cell abundance in microbial communities by Microâ€FTIR spectroscopy. Environmental Microbiology Reports, 2012, 4, 42-49.	2.4	21
139	Thermotomaculum hydrothermale gen. nov., sp. nov., a novel heterotrophic thermophile within the phylum Acidobacteria from a deep-sea hydrothermal vent chimney in the Southern Okinawa Trough. Extremophiles, 2012, 16, 245-253.	2.3	39
140	Genomic Heterogeneity in a Natural Archaeal Population Suggests a Model of tRNA Gene Disruption. PLoS ONE, 2012, 7, e32504.	2.5	9
141	Discovery of New Hydrothermal Activity and Chemosynthetic Fauna on the Central Indian Ridge at 18Â°â€“20Â°S. PLoS ONE, 2012, 7, e32965.	2.5	83
142	Genetics, Genomics, Evolution. , 2011, , 1099-1113.		0
143	Archaeal diversity and community development in deep-sea hydrothermal vents. Current Opinion in Microbiology, 2011, 14, 282-291.	5.1	76
144	Sulfur Metabolisms in Epsilon- and Gamma-Proteobacteria in Deep-Sea Hydrothermal Fields. Frontiers in Microbiology, 2011, 2, 192.	3.5	129

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145	Genome Sequence of a Mesophilic Hydrogenotrophic Methanogen Methanocella paludicola, the First Cultivated Representative of the Order Methanocellales. PLoS ONE, 2011, 6, e22898.	2.5	52
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