Michael HÃ¼gler

List of Publications by Year
in descending order

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38	4,809	236925 25	330143 37
papers	citations	h-index	g-index

41	41	41	5200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Draft Genome Sequences of Buttiauxella spp. Isolates from Water and Gastropods with Putative Î²- <scp>d</scp> -Glucuronidase Activity. Microbiology Resource Announcements, 2022, 11, e0006422.	0.6	2
2	Genome Analysis of Enterobacter asburiae and Lelliottia spp. Proliferating in Oligotrophic Drinking Water Reservoirs and Lakes. Applied and Environmental Microbiology, 2022, 88, .	3.1	8
3	Draft Genome Sequences of Enterobacter spp., Lelliottia spp., and Serratia spp., Coliform Bacteria from Drinking Water Reservoirs and Lakes. Microbiology Resource Announcements, 2021, 10, e0062221.	0.6	4
4	Seasonal dynamics in the number and composition of coliform bacteria in drinking water reservoirs. Science of the Total Environment, 2021, 787, 147539.	8.0	20
5	Water safety plan enhancements with improved drinking water quality detection techniques. Science of the Total Environment, 2020, 698, 134185.	8.0	43
6	From an extremophilic community to an electroautotrophic production strain: identifying a novel Knallgas bacterium as cathodic biofilm biocatalyst. ISME Journal, 2020, 14, 1125-1140.	9.8	28
7	Evaluation and application of molecular denitrification monitoring methods in the northern Lake Tai, China. Science of the Total Environment, 2019, 663, 686-695.	8.0	8
8	Reversibility of citrate synthase allows autotrophic growth of a thermophilic bacterium. Science, 2018, 359, 563-567.	12.6	136
9	Insight into the evolution of microbial metabolism from the deep-branching bacterium, Thermovibrio ammonificans. ELife, 2017, 6, .	6.0	40
10	The Dark Side of the Mushroom Spring Microbial Mat: Life in the Shadow of Chlorophototrophs. II. Metabolic Functions of Abundant Community Members Predicted from Metagenomic Analyses. Frontiers in Microbiology, 2017, 8, 943.	3.5	100
11	Ammonia-oxidizing archaea use the most energy-efficient aerobic pathway for CO ₂ fixation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8239-8244.	7.1	396
12	Inactivation of F-specific bacteriophages during flocculation with polyaluminum chloride â€“ A mechanistic study. Water Research, 2014, 51, 144-151.	11.3	29
13	Complete genome sequence of Thermovibrio ammonificans HB-1T, a thermophilic, chemolithoautotrophic bacterium isolated from a deep-sea hydrothermal vent. Standards in Genomic Sciences, 2012, 7, 82-90.	1.5	11
14	Widespread Occurrence of Two Carbon Fixation Pathways in Tubeworm Endosymbionts: Lessons from Hydrothermal Vent Associated Tubeworms from the Mediterranean Sea. Frontiers in Microbiology, 2012, 3, 423.	3.5	38
15	Microbial CO2 fixation potential in a tar-oil-contaminated porous aquifer. FEMS Microbiology Ecology, 2012, 81, 172-187.	2.7	31
16	Detection and Quantification of E. coli and Coliform Bacteria in Water Samples with a New Method Based on Fluorescence In Situ Hybridisation. Special Publication - Royal Society of Chemistry, 2012, , 123-130.	0.0	0
17	Development and validation of a FISH-based method for the detection and quantification of E. coli and coliform bacteria in water samples. Water Science and Technology, 2011, 64, 1435-1442.	2.5	4
18	Beyond the Calvin Cycle: Autotrophic Carbon Fixation in the Ocean. Annual Review of Marine Science, 2011, 3, 261-289.	11.6	566

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19	Pathways of Carbon and Energy Metabolism of the Epibiotic Community Associated with the Deep-Sea Hydrothermal Vent Shrimp Rimicaris exoculata. PLoS ONE, 2011, 6, e16018.	2.5	80
20	Labeling and Enzyme Studies of the Central Carbon Metabolism in Metallosphaera sedula. Journal of Bacteriology, 2011, 193, 1191-1200.	2.2	62
21	Nitrosopumilus maritimus genome reveals unique mechanisms for nitrification and autotrophy in globally distributed marine crenarchaea. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8818-8823.	7.1	853
22	Functional genes as markers for sulfur cycling and CO2 fixation in microbial communities of hydrothermal vents of the Logatchev field. FEMS Microbiology Ecology, 2010, 73, no-no.	2.7	80
23	Autotrophic carbon fixation in archaea. Nature Reviews Microbiology, 2010, 8, 447-460.	28.6	590
24	Life at Deep Sea Hydrothermal Ventsâ€"Oases Under Water. International Journal of Marine and Coastal Law, 2009, 24, 201-208.	0.7	3
25	Shallow Submarine Hydrothermal Systems in the Aeolian Volcanic Arc, Italy. Eos, 2009, 90, 110-111.	0.1	14
26	Culture dependent and independent analyses of 16S rRNA and ATP citrate lyase genes: a comparison of microbial communities from different black smoker chimneys on the Mid-Atlantic Ridge. Extremophiles, 2008, 12, 627-640.	2.3	44
27	Genome of the Epsilonproteobacterial Chemolithoautotroph Sulfurimonas denitrificans. Applied and Environmental Microbiology, 2008, 74, 1145-1156.	3.1	228
28	Sulfur Oxidation at Deep-Sea Hydrothermal Vents. , 2008, , 238-258.		62
29	Physiological Proteomics of the Uncultured Endosymbiont of Riftia pachyptila. Science, 2007, 315, 247-250.	12.6	207
30	Insights into the Autotrophic CO2 Fixation Pathway of the Archaeon Ignicoccus hospitalis: Comprehensive Analysis of the Central Carbon Metabolism. Journal of Bacteriology, 2007, 189, 4108-4119.	2.2	79
31	Autotrophic CO2fixation via the reductive tricarboxylic acid cycle in different lineages within the phylum Aquificae: evidence for two ways of citrate cleavage. Environmental Microbiology, 2007, 9, 81-92.	3.8	139
32	The Genome of Deep-Sea Vent Chemolithoautotroph Thiomicrospira crunogena XCL-2. PLoS Biology, 2006, 4, e383.	5.6	144
33	Malonyl-Coenzyme A Reductase in the Modified 3-Hydroxypropionate Cycle for Autotrophic Carbon Fixation in Archaeal Metallosphaera and Sulfolobus spp. Journal of Bacteriology, 2006, 188, 8551-8559.	2.2	91
34	Evidence for Autotrophic CO ₂ Fixation via the Reductive Tricarboxylic Acid Cycle by Members of the Îµ Subdivision of Proteobacteria. Journal of Bacteriology, 2005, 187, 3020-3027.	2.2	245
35	Assaying for the 3â€Hydroxypropionate Cycle of Carbon Fixation. Methods in Enzymology, 2005, 397, 212-221.	1.0	11
36	Autotrophic CO2 fixation pathways in archaea (Crenarchaeota). Archives of Microbiology, 2003, 179, 160-173.	2.2	161

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37	Characterization of acetyl-CoA/propionyl-CoA carboxylase inMetallosphaera sedula. FEBS Journal, 2003, 270, 736-744.	0.2	106
38	Malonyl-Coenzyme A Reductase from Chloroflexus aurantiacus, a Key Enzyme of the 3-Hydroxypropionate Cycle for Autotrophic CO2 Fixation. Journal of Bacteriology, 2002, 184, 2404-2410.	2.2	145