

# Gerard Muyzer

## List of Publications by Year in descending order

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286  
papers

40,329  
citations

4942

84  
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3094

187  
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339  
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339  
docs citations

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times ranked

27644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative analysis of microbial communities from different full-scale haloalkaline biodesulfurization systems. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1759-1776.	1.7	10
2	Harnessing solar power: photoautotrophy supplements the diet of a low-light dwelling sponge. <i>ISME Journal</i> , 2022, 16, 2076-2086.	4.4	9
3	Microbial ecology of biofiltration used for producing safe drinking water. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 4813-4829.	1.7	4
4	A genomic catalog of Earth's microbiomes. <i>Nature Biotechnology</i> , 2021, 39, 499-509.	9.4	457
5	Subcellular view of host-microbiome nutrient exchange in sponges: insights into the ecological success of an early metazoan-microbe symbiosis. <i>Microbiome</i> , 2021, 9, 44.	4.9	32
6	Molecular and Physiological Adaptations to Low Temperature in Thioalkalivibrio Strains Isolated from Soda Lakes with Different Temperature Regimes. <i>MSystems</i> , 2021, 6, .	1.7	2
7	<sc>DNA</sc>-stable isotope probing (DNA-SIP) identifies marine sponge-associated bacteria actively utilizing dissolved organic matter (DOM). <i>Environmental Microbiology</i> , 2021, 23, 4489-4504.	1.8	21
8	Resilience of Microbial Communities after Hydrogen Peroxide Treatment of a Eutrophic Lake to Suppress Harmful Cyanobacterial Blooms. <i>Microorganisms</i> , 2021, 9, 1495.	1.6	20
9	Marine sponges maintain stable bacterial communities between reef sites with different coral to algae cover ratios. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	9
10	The protohistoric briquetage at Puntone (Tuscany, Italy): A multidisciplinary attempt to unravel its age and role in the salt supply of Early States in Tyrrhenian Central Italy. <i>Journal of Archaeological Science: Reports</i> , 2021, 38, 103055.	0.2	0
11	Characterization and Comparison of Bacterial Communities of an Invasive and Two Native Caribbean Seagrass Species Sheds Light on the Possible Influence of the Microbiome on Invasive Mechanisms. <i>Frontiers in Microbiology</i> , 2021, 12, 653998.	1.5	10
12	Bacterial Community Composition in Produced Water of Diyarbakır Oil Fields in Turkey. <i>Johnson Matthey Technology Review</i> , 2020, 64, 452-466.	0.5	4
13	Stromatolites as Biosignatures of Atmospheric Oxygenation: Carbonate Biomineralization and UV-C Resilience in a <i>Geitlerinema</i> sp. - Dominated Culture. <i>Frontiers in Microbiology</i> , 2020, 11, 948.	1.5	18
14	Trinuclear copper biocatalytic center forms an active site of thiocyanate dehydrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5280-5290.	3.3	19
15	Transcriptomic Analysis of Two Thioalkalivibrio Species Under Arsenite Stress Revealed a Potential Candidate Gene for an Alternative Arsenite Oxidation Pathway. <i>Frontiers in Microbiology</i> , 2019, 10, 1514.	1.5	9
16	Metagenomes and metatranscriptomes shed new light on the microbial-mediated sulfur cycle in a Siberian soda lake. <i>BMC Biology</i> , 2019, 17, 69.	1.7	70
17	Temperature as competitive strategy determining factor in pulse-fed aerobic bioreactors. <i>ISME Journal</i> , 2019, 13, 3112-3125.	4.4	17
18	Exploring Biodiversity and Arsenic Metabolism of Microbiota Inhabiting Arsenic-Rich Groundwaters in Northern Italy. <i>Frontiers in Microbiology</i> , 2019, 10, 1480.	1.5	26

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19	Comparative Genomics of Thiohalobacter thiocyanaticus HRh1T and Guyparkeria sp. SCN-R1, Halophilic Chemolithoautotrophic Sulfur-Oxidizing Gammaproteobacteria Capable of Using Thiocyanate as Energy Source. <i>Frontiers in Microbiology</i> , 2019, 10, 898.	1.5	20
20	Coexistence of sulfate reducers with the other oil bacterial groups in Diyarbakır oil fields. <i>Anaerobe</i> , 2019, 59, 19-31.	1.0	9
21	Diversity and Distribution of Sulfur Oxidation-Related Genes in Thioalkalivibrio, a Genus of Chemolithoautotrophic and Haloalkaliphilic Sulfur-Oxidizing Bacteria. <i>Frontiers in Microbiology</i> , 2019, 10, 160.	1.5	56
22	Wide diversity of methane and short-chain alkane metabolisms in uncultured archaea. <i>Nature Microbiology</i> , 2019, 4, 603-613.	5.9	187
23	Spatio-temporal dynamics of sulfur bacteria during oxic–anoxic regime shifts in a seasonally stratified lake. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	37
24	Metabolism and Occurrence of Methanogenic and Sulfate-Reducing Syntrophic Acetate Oxidizing Communities in Haloalkaline Environments. <i>Frontiers in Microbiology</i> , 2018, 9, 3039.	1.5	48
25	A metagenomics roadmap to the uncultured genome diversity in hypersaline soda lake sediments. <i>Microbiome</i> , 2018, 6, 168.	4.9	120
26	Metagenomic Analysis Shows the Presence of Bacteria Related to Free-Living Forms of Sulfur-Oxidizing Chemolithoautotrophic Symbionts in the Rhizosphere of the Seagrass <i>Zostera marina</i> . <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	44
27	Seaweed Loads Cause Stronger Bacterial Community Shifts in Coastal Lagoon Sediments Than Nutrient Loads. <i>Frontiers in Microbiology</i> , 2018, 9, 3283.	1.5	25
28	Unraveling seaweeds bacteriomes. , 2018, , 95-113.		2
29	Isolation of a sulfide-producing bacterial consortium from cooling-tower water: Evaluation of corrosive effects on galvanized steel. <i>Anaerobe</i> , 2017, 43, 27-34.	1.0	13
30	Oxic-anoxic regime shifts mediated by feedbacks between biogeochemical processes and microbial community dynamics. <i>Nature Communications</i> , 2017, 8, 789.	5.8	85
31	Analysis of the Genes Involved in Thiocyanate Oxidation during Growth in Continuous Culture of the Haloalkaliphilic Sulfur-Oxidizing Bacterium <i>Thioalkalivibrio thiocyanoxidans</i> ARh 2 <sup>T</sup> Using Transcriptomics. <i>MSystems</i> , 2017, 2, .	1.7	9
32	Comparative Genome Analysis of Three Thiocyanate Oxidizing <i>Thioalkalivibrio</i> Species Isolated from Soda Lakes. <i>Frontiers in Microbiology</i> , 2017, 8, 254.	1.5	53
33	Succession of Bacterial Communities in a Seasonally Stratified Lake with an Anoxic and Sulfidic Hypolimnion. <i>Frontiers in Microbiology</i> , 2017, 8, 2511.	1.5	50
34	Genomic diversity within the haloalkaliphilic genus <i>Thioalkalivibrio</i> . <i>PLoS ONE</i> , 2017, 12, e0173517.	1.1	42
35	Draft genome sequence of <i>Dethiobacter alkaliphilus</i> strain AHT1T, a gram-positive sulfidogenic polyextremophile. <i>Standards in Genomic Sciences</i> , 2017, 12, 57.	1.5	16
36	Discovery of Putative Halogenases in Environmental Samples Using Metagenomics. <i>Current Biotechnology</i> , 2017, 6, 17-25.	0.2	3

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37	Metagenomic Insights into the Uncultured Diversity and Physiology of Microbes in Four Hypersaline Soda Lake Brines. <i>Frontiers in Microbiology</i> , 2016, 7, 211.	1.5	161
38	Rhizosphere Microbiomes of European + Seagrasses Are Selected by the Plant, But Are Not Species Specific. <i>Frontiers in Microbiology</i> , 2016, 7, 440.	1.5	153
39	Complete genome sequence of <i>Desulfurivibrio alkaliphilus</i> strain AHT2T, a haloalkaliphilic sulfidogen from Egyptian hypersaline alkaline lakes. <i>Standards in Genomic Sciences</i> , 2016, 11, 67.	1.5	26
40	Marine Microbial Systems Ecology: Microbial Networks in the Sea. , 2016, , 335-344.		2
41	Bacterial community structure and variation in a full-scale seawater desalination plant for drinking water production. <i>Water Research</i> , 2016, 94, 62-72.	5.3	86
42	Partial genome sequence of <i>Thioalkalivibrio thiocyanodenitrificans</i> ARhD 1T, a chemolithoautotrophic haloalkaliphilic sulfur-oxidizing bacterium capable of complete denitrification. <i>Standards in Genomic Sciences</i> , 2015, 10, 84.	1.5	2
43	Tracking the dynamics of heterotrophs and nitrifiers in moving-bed biofilm reactors operated at different COD/N ratios. <i>Bioresource Technology</i> , 2015, 192, 131-141.	4.8	39
44	Cytochrome <i>cbb3</i> of <i>Thioalkalivibrio</i> is a Na <sup>+</sup> -pumping cytochrome oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7695-7700.	3.3	28
45	Functional microbiology of soda lakes. <i>Current Opinion in Microbiology</i> , 2015, 25, 88-96.	2.3	115
46	Partial genome sequence of the haloalkaliphilic soda lake bacterium <i>Thioalkalivibrio thiocyanoxidans</i> ARh 2T. <i>Standards in Genomic Sciences</i> , 2015, 10, 85.	1.5	13
47	Complete genome sequence of <i>Thioalkalivibrio paradoxus</i> type strain ARh 1T, an obligately chemolithoautotrophic haloalkaliphilic sulfur-oxidizing bacterium isolated from a Kenyan soda lake. <i>Standards in Genomic Sciences</i> , 2015, 10, 105.	1.5	5
48	Characterization of the arsenite oxidizer <i>Aliihoeftlea</i> sp. strain 2WW and its potential application in the removal of arsenic from groundwater in combination with Pf-ferritin. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 673-684.	0.7	10
49	Identification of key factors in Accelerated Low Water Corrosion through experimental simulation of tidal conditions: influence of stimulated indigenous microbiota. <i>Biofouling</i> , 2014, 30, 281-297.	0.8	37
50	Effectiveness of various sorbents and biological oxidation in the removal of arsenic species from groundwater. <i>Environmental Chemistry</i> , 2014, 11, 558.	0.7	8
51	Isolation and characterization of an obligately chemolithoautotrophic <i>Halothiobacillus</i> strain capable of growth on thiocyanate as an energy source. <i>FEMS Microbiology Letters</i> , 2014, 354, 69-74.	0.7	26
52	Genome analysis of <i>C</i> hitinivibrio alkaliphilus gen. nov., sp. nov., a novel extremely haloalkaliphilic anaerobic chitinolytic bacterium from the candidate phylum <i>T</i> ermite <i>G</i> roup 3. <i>Environmental Microbiology</i> , 2014, 16, 1549-1565.	1.8	58
53	Sulfate-dependent acetate oxidation under extremely natron-alkaline conditions by syntrophic associations from hypersaline soda lakes. <i>Microbiology (United Kingdom)</i> , 2014, 160, 723-732.	0.7	40
54	Genetic diversity of inorganic carbon uptake systems causes variation in CO <sub>2</sub> response of the cyanobacterium <i>Microcystis</i> . <i>ISME Journal</i> , 2014, 8, 589-600.	4.4	113

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55	Physiological and genomic features of highly alkaliphilic hydrogen-utilizing Betaproteobacteria from a continental serpentinizing site. <i>Nature Communications</i> , 2014, 5, 3900.	5.8	111
56	Microbial diversity and biogeochemical cycling in soda lakes. <i>Extremophiles</i> , 2014, 18, 791-809.	0.9	264
57	Diversity and distribution of <i>Halomonas</i> in Rambla Salada, a hypersaline environment in the southeast of Spain. <i>FEMS Microbiology Ecology</i> , 2014, 87, 460-474.	1.3	26
58	<i>Nitrolancea hollandica</i> gen. nov., sp. nov., a chemolithoautotrophic nitrite-oxidizing bacterium isolated from a bioreactor belonging to the phylum Chloroflexi. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 1859-1865.	0.8	82
59	Arsenic transforming abilities of groundwater bacteria and the combined use of <i>Aliihoeflea</i> sp. strain 2WW and goethite in metalloids removal. <i>Journal of Hazardous Materials</i> , 2014, 269, 89-97.	6.5	47
60	Genome analyses of the carboxydrotrophic sulfate-reducers <i>Desulfotomaculum nigrificans</i> and <i>Desulfotomaculum carboxydivorans</i> and reclassification of <i>Desulfotomaculum caboxydivorans</i> as a later synonym of <i>Desulfotomaculum nigrificans</i> . <i>Standards in Genomic Sciences</i> , 2014, 9, 655-675.	1.5	25
61	Genome analysis of <i>Desulfotomaculum gibsoniae</i> strain GrollT a highly versatile Gram-positive sulfate-reducing bacterium. <i>Standards in Genomic Sciences</i> , 2014, 9, 821-839.	1.5	27
62	Culture-Dependent and Independent Studies of Microbial Diversity in Highly Copper-Contaminated Chilean Marine Sediments. <i>Microbial Ecology</i> , 2013, 65, 311-324.	1.4	25
63	Sulfate-reducing bacteria inhabiting natural corrosion deposits from marine steel structures. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 7493-7504.	1.7	40
64	Sulfur bacteria in wastewater stabilization ponds periodically affected by the "red-water" phenomenon. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 379-394.	1.7	26
65	Isolation and characterization of two novel alkalitolerant sulfidogens from a Thiopaq bioreactor, <i>Desulfonatronum alkalitolerans</i> sp. nov., and <i>Sulfurospirillum alkalitolerans</i> sp. nov. <i>Extremophiles</i> , 2013, 17, 535-543.	0.9	45
66	Seasonal and vertical distribution of putative ammonia-oxidizing thaumarchaeotal communities in an oligotrophic lake. <i>FEMS Microbiology Ecology</i> , 2013, 83, 515-526.	1.3	33
67	Colorless Sulfur Bacteria. , 2013, , 555-588.		17
68	Halophilic and Haloalkaliphilic Sulfur-Oxidizing Bacteria. , 2013, , 529-554.		29
69	Analysis of community composition of sulfur-oxidizing bacteria in hypersaline and soda lakes using <i>sox</i> B as a functional molecular marker. <i>FEMS Microbiology Ecology</i> , 2013, 84, 280-289.	1.3	52
70	Draft Genome Sequence of the Arsenite-Oxidizing Strain <i>Aliihoeflea</i> sp. 2WW, Isolated from Arsenic-Contaminated Groundwater. <i>Genome Announcements</i> , 2013, 1, .	0.8	7
71	Microbial transformations of arsenic: perspectives for biological removal of arsenic from water. <i>Future Microbiology</i> , 2013, 8, 753-768.	1.0	103
72	Draft genome sequence of <i>Rhodococcus rhodochrous</i> strain ATCC 17895. <i>Standards in Genomic Sciences</i> , 2013, 9, 175-184.	1.5	14

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73	Genome analysis of <i>Desulfotomaculum kuznetsovii</i> strain 17T reveals a physiological similarity with <i>Pelotomaculum thermopropionicum</i> strain SIT.. Standards in Genomic Sciences, 2013, 8, 69-87.	1.5	42
74	Temporal and Spatial Coexistence of Archaeal and Bacterial <i>amoA</i> Genes and Gene Transcripts in Lake Lucerne. Archaea, 2013, 2013, 1-11.	2.3	27
75	Complete genome sequence of the sulfate-reducing firmicute <i>Desulfotomaculum ruminis</i> type strain (DLT). Standards in Genomic Sciences, 2012, 7, 304-319.	1.5	22
76	Application of a 2-step process for the biological treatment of sulfidic spent caustics. Water Research, 2012, 46, 723-730.	5.3	61
77	Biodegradation Potential of Halo(alkali)philic Prokaryotes. Critical Reviews in Environmental Science and Technology, 2012, 42, 811-856.	6.6	40
78	Spatial Patterns of Iron- and Methane-Oxidizing Bacterial Communities in an Irregularly Flooded, Riparian Wetland. Frontiers in Microbiology, 2012, 3, 64.	1.5	32
79	<i>Desulfonatovibrio halophilus</i> sp. nov., a novel moderately halophilic sulfate-reducing bacterium from hypersaline chloride sulfate lakes in Central Asia. Extremophiles, 2012, 16, 411-417.	0.9	26
80	Evaluation and optimization of nucleic acid extraction methods for the molecular analysis of bacterial communities associated with corroded carbon steel. Biofouling, 2012, 28, 363-380.	0.8	13
81	Nitrification expanded: discovery, physiology and genomics of a nitrite-oxidizing bacterium from the phylum <i>Chloroflexi</i> . ISME Journal, 2012, 6, 2245-2256.	4.4	345
82	<i>Thioalkalivibrio sulfidiphilus</i> sp. nov., a haloalkaliphilic, sulfur-oxidizing gammaproteobacterium from alkaline habitats. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1884-1889.	0.8	83
83	<i>Desulfonatobacter acidivorans</i> gen. nov., sp. nov. and <i>Desulfobulbus alkaliphilus</i> sp. nov., haloalkaliphilic heterotrophic sulfate-reducing bacteria from soda lakes. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2107-2113.	0.8	69
84	<i>Desulfuribacillus alkaliarsenatis</i> gen. nov. sp. nov., a deep-lineage, obligately anaerobic, dissimilatory sulfur and arsenate-reducing, haloalkaliphilic representative of the order Bacillales from soda lakes. Extremophiles, 2012, 16, 597-605.	0.9	44
85	Sulfidogenesis in hypersaline chloride-sulfate lakes of Kulunda Steppe (Altai, Russia). FEMS Microbiology Ecology, 2012, 79, 445-453.	1.3	25
86	Analysis of ammonia-oxidizing bacteria dominating in lab-scale bioreactors with high ammonium bicarbonate loading. Applied Microbiology and Biotechnology, 2012, 93, 401-410.	1.7	27
87	Effect of different salt adaptation strategies on the microbial diversity, activity, and settling of nitrifying sludge in sequencing batch reactors. Applied Microbiology and Biotechnology, 2012, 93, 1281-1294.	1.7	148
88	Anaerobic utilization of pectinous substrates at extremely haloalkaline conditions by <i>Natranaerovirga pectinivora</i> gen. nov., sp. nov., and <i>Natranaerovirga hydrolytica</i> sp. nov., isolated from hypersaline soda lakes. Extremophiles, 2012, 16, 307-315.	0.9	39
89	Effect of Elevated Salt Concentrations on the Aerobic Granular Sludge Process: Linking Microbial Activity with Microbial Community Structure. Applied and Environmental Microbiology, 2011, 77, 7942-7953.	1.4	150
90	<i>Plasticumulans acidivorans</i> gen. nov., sp. nov., a polyhydroxyalkanoate-accumulating gammaproteobacterium from a sequencing-batch bioreactor. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2314-2319.	0.8	42

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91	Metabolic modeling of mixed substrate uptake for polyhydroxyalkanoate (PHA) production. <i>Water Research</i> , 2011, 45, 1309-1321.	5.3	105
92	Complete genome sequence of <i>Thioalkalivibrio œsulfidophilus</i> HL-EbGr7. <i>Standards in Genomic Sciences</i> , 2011, 4, 23-35.	1.5	72
93	Complete genome sequence of <i>Thioalkalivibrio</i> sp. K90mix. <i>Standards in Genomic Sciences</i> , 2011, 5, 341-355.	1.5	45
94	The Microbial Sulfur Cycle at Extremely Haloalkaline Conditions of Soda Lakes. <i>Frontiers in Microbiology</i> , 2011, 2, 44.	1.5	191
95	Sulfur-dependent respiration under extremely haloalkaline conditions in soda lake <i>acetogens</i> ™ and the description of <i>Natroniella sulfidigena</i> sp. nov.. <i>FEMS Microbiology Letters</i> , 2011, 319, 88-95.	0.7	32
96	Diversity of RuBisCO and ATP citrate lyase genes in soda lake sediments. <i>FEMS Microbiology Ecology</i> , 2011, 75, 37-47.	1.3	52
97	Effect of temperature and cycle length on microbial competition in PHB-producing sequencing batch reactor. <i>ISME Journal</i> , 2011, 5, 896-907.	4.4	82
98	Culturable diversity of lithotrophic haloalkaliphilic sulfate-reducing bacteria in soda lakes and the description of <i>Desulfonatronum thioautotrophicum</i> sp. nov., <i>Desulfonatronum thiosulfatophilum</i> sp. nov., <i>Desulfonatronovibrio thiodismutans</i> sp. nov., and <i>Desulfonatronovibrio magnus</i> sp. nov.. <i>Extremophiles</i> , 2011, 15, 391-401.	0.9	85
99	<i>Natronoflexus pectinivorans</i> gen. nov. sp. nov., an obligately anaerobic and alkaliphilic fermentative member of Bacteroidetes from soda lakes. <i>Extremophiles</i> , 2011, 15, 691-696.	0.9	44
100	Polyhydroxybutyrate production from lactate using a mixed microbial culture. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2022-2035.	1.7	132
101	Biological treatment of refinery spent caustics under halo-alkaline conditions. <i>Bioresource Technology</i> , 2011, 102, 7257-7264.	4.8	52
102	Distribution and Diversity of <i>Gallionella</i> -Like Neutrophilic Iron Oxidizers in a Tidal Freshwater Marsh. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2337-2344.	1.4	37
103	Bacterial dissimilatory MnO <sub>2</sub> reduction at extremely haloalkaline conditions. <i>Extremophiles</i> , 2010, 14, 41-46.	0.9	7
104	Propionate and butyrate dependent bacterial sulfate reduction at extremely haloalkaline conditions and description of <i>Desulfobotulus alkaliphilus</i> sp. nov.. <i>Extremophiles</i> , 2010, 14, 71-77.	0.9	45
105	Haloalkaliphilic spore-forming sulfidogens from soda lake sediments and description of <i>Desulfittispora alkaliphila</i> gen. nov., sp. nov.. <i>Extremophiles</i> , 2010, 14, 313-320.	0.9	30
106	<i>Desulfurispira natronophila</i> gen. nov. sp. nov.: an obligately anaerobic dissimilatory sulfur-reducing bacterium from soda lakes. <i>Extremophiles</i> , 2010, 14, 349-355.	0.9	39
107	Application of bacteria as self-healing agent for the development of sustainable concrete. <i>Ecological Engineering</i> , 2010, 36, 230-235.	1.6	1,041
108	Microbial diversity of an oil-water processing site and its associated oil field: the possible role of microorganisms as information carriers from oil-associated environments. <i>FEMS Microbiology Ecology</i> , 2010, 71, 428-443.	1.3	52

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109	Sulfidogenesis under extremely haloalkaline conditions in soda lakes of Kulunda Steppe (Altai, Tj ETQq1 1 0.784314.rgBT /Overlock 10	1.3	77
110	Thiohalobacter thiocyanaticus gen. nov., sp. nov., a moderately halophilic, sulfur-oxidizing gammaproteobacterium from hypersaline lakes, that utilizes thiocyanate. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 444-450.	0.8	56
111	Ribulose-1,5-bisphosphate carboxylase/oxygenase genes as a functional marker for chemolithoautotrophic halophilic sulfur-oxidizing bacteria in hypersaline habitats. Microbiology (United Kingdom), 2010, 156, 2016-2025.	0.7	46
112	Aerobic carboxydrotrophy under extremely haloalkaline conditions in Alkalispirillum/Alkalilimnicola strains isolated from soda lakes. Microbiology (United Kingdom), 2010, 156, 819-827.	0.7	28
113	Sampling and Nucleic Extraction Procedures from Oil Reservoir Samples. , 2010, , 7-16.		0
114	Which Microbial Communities are Present? Application of PCR-DGGE: Case Study on an Oilfield Core Sample. , 2010, , 33-43.		0
115	Desulfovibrio paquesii sp. nov., a hydrogenotrophic sulfate-reducing bacterium isolated from a synthesis-gas-fed bioreactor treating zinc- and sulfate-rich wastewater. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 229-233.	0.8	25
116	Application of bacteria involved in the biological sulfur cycle for paper mill effluent purification. Science of the Total Environment, 2009, 407, 1333-1343.	3.9	130
117	Citric acid wastewater as electron donor for biological sulfate reduction. Applied Microbiology and Biotechnology, 2009, 83, 957-963.	1.7	32
118	Diversity of iron oxidizers in wetland soils revealed by novel 16S rRNA primers targeting <i>Gallionella</i> -related bacteria. ISME Journal, 2009, 3, 715-725.	4.4	73
119	A nested PCR approach for improved recovery of archaeal 16S rRNA gene fragments from freshwater samples. FEMS Microbiology Letters, 2009, 298, 193-198.	0.7	51
120	Microbial sulfide oxidation in the oxic-anoxic transition zone of freshwater sediment: involvement of lithoautotrophic Magnetospirillum strain J10. FEMS Microbiology Ecology, 2009, 70, 54-65.	1.3	27
121	PHYLOGENETIC POSITION OF <i>ATTHEYA LONGICORNIS</i> AND <i>ATTHEYA SEPTENTRIONALIS</i> (BACILLARIOPHYTA). Journal of Phycology, 2009, 45, 444-453.	1.0	35
122	ECOLOGICAL DIFFERENTIATION BETWEEN SYMPATRIC PSEUDOCRYPTIC SPECIES IN THE ESTUARINE BENTHIC DIATOM <i>NAVICULA PHYLLIPTA</i> (BACILLARIOPHYCEAE). Journal of Phycology, 2009, 45, 1278-1289.	1.0	82
123	Molecular characterization of microbial populations in groundwater sources and sand filters for drinking water production. Water Research, 2009, 43, 182-194.	5.3	80
124	Characterization of geochemical constituents and bacterial populations associated with As mobilization in deep and shallow tube wells in Bangladesh. Water Research, 2009, 43, 1720-1730.	5.3	78
125	Enrichment of a Mixed Bacterial Culture with a High Polyhydroxyalkanoate Storage Capacity. Biomacromolecules, 2009, 10, 670-676.	2.6	342
126	Phototrophic biofilms and their potential applications. Journal of Applied Phycology, 2008, 20, 227-235.	1.5	208



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127	Effects of Deposition of Heavy-Metal-Polluted Harbor Mud on Microbial Diversity and Metal Resistance in Sandy Marine Sediments. <i>Archives of Environmental Contamination and Toxicology</i> , 2008, 55, 372-385.	2.1	26
128	Competition and coexistence of sulfate-reducing bacteria, acetogens and methanogens in a lab-scale anaerobic bioreactor as affected by changing substrate to sulfate ratio. <i>Applied Microbiology and Biotechnology</i> , 2008, 78, 1045-1055.	1.7	217
129	Microbiological analysis of the population of extremely haloalkaliphilic sulfur-oxidizing bacteria dominating in lab-scale sulfide-removing bioreactors. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 965-975.	1.7	71
130	Diversity of microbial communities in open mixed culture fermentations: impact of the pH and carbon source. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 1121-1130.	1.7	104
131	Utilization of arylaliphatic nitriles by haloalkaliphilic <i>Halomonas nitrilicus</i> sp. nov. isolated from soda soils. <i>Applied Microbiology and Biotechnology</i> , 2008, 81, 371-378.	1.7	23
132	Bacterial diversity and activity along a salinity gradient in soda lakes of the Kulunda Steppe (Altai, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	87
133	Influence of salts and pH on growth and activity of a novel facultatively alkaliphilic, extremely salt-tolerant, obligately chemolithoautotrophic sulfur-oxidizing <i>Gammaproteobacterium</i> <i>Thioalkalibacter halophilus</i> gen. nov., sp. nov. from South-Western Siberian soda lakes. <i>Extremophiles</i> , 2008, 12, 391-404.	0.9	57
134	<i>Dethiobacter alkaliphilus</i> gen. nov. sp. nov., and <i>Desulfurivibrio alkaliphilus</i> gen. nov. sp. nov.: two novel representatives of reductive sulfur cycle from soda lakes. <i>Extremophiles</i> , 2008, 12, 431-439.	0.9	207
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