Dimitry Y Sorokin

List of Publications by Year
in descending order

158 papers	5,691 citations	55975 42 h-index	84471 67 g-index
163 all docs	163 docs citations	163 times ranked	4036 citing authors

#	Article	IF	Citations
1	Nitrification expanded: discovery, physiology and genomics of a nitrite-oxidizing bacterium from the phylum Chloroflexi. ISME Journal, 2012, 6, 2245-2256.	10.0	358
2	Microbial diversity and biogeochemical cycling in soda lakes. Extremophiles, 2014, 18, 791-809.	2.4	284
3	Discovery of extremely halophilic, methyl-reducing euryarchaea provides insights into the evolutionary origin of methanogenesis. Nature Microbiology, 2017, 2, 17081.	13.0	227
4	Diversity, Activity, and Abundance of Sulfate-Reducing Bacteria in Saline and Hypersaline Soda Lakes. Applied and Environmental Microbiology, 2007, 73, 2093-2100.	3.2	214
5	The Microbial Sulfur Cycle at Extremely Haloalkaline Conditions of Soda Lakes. Frontiers in Microbiology, 2011, 2, 44.	3.6	195
6	Metagenomic Insights into the Uncultured Diversity and Physiology of Microbes in Four Hypersaline Soda Lake Brines. Frontiers in Microbiology, 2016, 7, 211.	3.6	169
7	A metagenomics roadmap to the uncultured genome diversity in hypersaline soda lake sediments. Microbiome, 2018, 6, 168.	11.6	135
8	Microbial Thiocyanate Utilization under Highly Alkaline Conditions. Applied and Environmental Microbiology, 2001, 67, 528-538.	3.2	128
9	Functional microbiology of soda lakes. Current Opinion in Microbiology, 2015, 25, 88-96.	5.2	122
10	Physiological and genomic features of highly alkaliphilic hydrogen-utilizing Betaproteobacteria from a continental serpentinizing site. Nature Communications, 2014, 5, 3900.	13.2	118
11	Isolation and characterization of a novel facultatively alkaliphilic Nitrobacter species, N. alkalicus sp. nov.. Archives of Microbiology, 1998, 170, 345-352.	2.2	96
12	Thialkalivibrio halophilus sp. nov., a novel obligately chemolithoautotrophic, facultatively alkaliphilic, and extremely salt-tolerant, sulfur-oxidizing bacterium from a hypersaline alkaline lake. Extremophiles, 2004, 8, 325-334.	2.4	90
13	Nitrolancea hollandica gen. nov., sp. nov., a chemolithoautotrophic nitrite-oxidizing bacterium isolated from a bioreactor belonging to the phylum Chloroflexi. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 1859-1865.	1.8	90
14	Thioalkalivibrio sulfidiphilus sp. nov., a haloalkaliphilic, sulfur-oxidizing gammaproteobacterium from alkaline habitats. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1884-1889.	1.8	87
15	Methanonatronarchaeum thermophilum gen. nov., sp. nov. and 'Candidatus Methanohalarchaeum thermophilum', extremely halo(natrono)philic methyl-reducing methanogens from hypersaline lakes comprising a new euryarchaeal class Methanonatronarchaeia classis nov.. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 2199-2208.	1.8	83
16	Denitrification in a binary culture and thiocyanate metabolism in Thiohalophilus thiocyanoxidans gen. nov. sp. nov. â€“ a moderately halophilic chemolithoautotrophic sulfur-oxidizing Gammaproteobacterium from hypersaline lakes. Archives of Microbiology, 2007, 187, 441-450.	2.2	81
17	Discovery of anaerobic lithoheterotrophic haloarchaea, ubiquitous in hypersaline habitats. ISME Journal, 2017, 11, 1245-1260.	10.0	80
18	Metagenomes and metatranscriptomes shed new light on the microbial-mediated sulfur cycle in a Siberian soda lake. BMC Biology, 2019, 17, 69.	3.9	80

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19	Increasing the Selectivity for Sulfur Formation in Biological Gas Desulfurization. Environmental Science & Technology, 2019, 53, 4519-4527.	10.5	79
20	Sulfidogenesis under extremely haloalkaline conditions in soda lakes of Kulunda Steppe (Altai,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.8	77
21	A phylogenetic analysis of Wadi el Natrun soda lake cellulase enrichment cultures and identification of cellulase genes from these cultures. Extremophiles, 2004, 8, 421-429.	2.4	76
22	Denitrification at extremely high pH values by the alkaliphilic, obligately chemolithoautotrophic, sulfur-oxidizing bacterium Thioalkalivibrio denitrificans strain ALJD. Archives of Microbiology, 2001, 175, 94-101.	2.2	72
23	Methanogenesis at extremely haloalkaline conditions in the soda lakes of Kulunda Steppe (Altai,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.8	65
24	Elemental sulfur and acetate can support life of a novel strictly anaerobic haloarchaeon. ISME Journal, 2016, 10, 240-252.	10.0	64
25	Methanosalsum natronophilum sp. nov., and Methanocalculus alkaliphilus sp. nov., haloalkaliphilic methanogens from hypersaline soda lakes. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 3739-3745.	1.8	64
26	Nitrile hydratase CLEAs: The immobilization and stabilization of an industrially important enzyme. Green Chemistry, 2008, 10, 395-400.	9.3	62
27	Syntrophic associations from hypersaline soda lakes converting organic acids and alcohols to methane at extremely haloalkaline conditions. Environmental Microbiology, 2016, 18, 3189-3202.	3.9	62
28	Diversity and Distribution of Sulfur Oxidation-Related Genes in Thioalkalivibrio, a Genus of Chemolithoautotrophic and Haloalkaliphilic Sulfur-Oxidizing Bacteria. Frontiers in Microbiology, 2019, 10, 160.	3.6	62
29	Halo(natrono)archaea isolated from hypersaline lakes utilize cellulose and chitin as growth substrates. Frontiers in Microbiology, 2015, 6, 942.	3.6	61
30	Genome analysis of <scp>C</scp>hitinivibrio alkaliphilus gen. nov., sp. nov., a novel extremely haloalkaliphilic anaerobic chitinolytic bacterium from the candidate phylum <scp>T</scp>ermite <scp>G</scp>roup 3. Environmental Microbiology, 2014, 16, 1549-1565.	3.9	59
31	Symbiosis between nanohaloarchaeon and haloarchaeon is based on utilization of different polysaccharides. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20223-20234.	7.6	58
32	Growth physiology and competitive interaction of obligately chemolithoautotrophic, haloalkaliphilic, sulfur-oxidizing bacteria from soda lakes. Extremophiles, 2003, 7, 195-203.	2.4	57
33	Influence of salts and pH on growth and activity of a novel facultatively alkaliphilic, extremely salt-tolerant, obligately chemolithoautotrophic sufur-oxidizing Gammaproteobacterium Thioalkalibacter halophilus gen. nov., sp. nov. from South-Western Siberian soda lakes. Extremophiles, 2008, 12, 391-404.	2.4	57
34	Comparative Genome Analysis of Three Thiocyanate Oxidizing Thioalkalivibrio Species Isolated from Soda Lakes. Frontiers in Microbiology, 2017, 8, 254.	3.6	55
35	The Effect of pH on Thiosulfate Formation in a Biotechnological Process for the Removal of Hydrogen Sulfide from Gas Streams. Environmental Science & Technology, 2008, 42, 2637-2642.	10.5	54
36	Analysis of community composition of sulfur-oxidizing bacteria in hypersaline and soda lakes usingsoxB as a functional molecular marker. FEMS Microbiology Ecology, 2013, 84, 280-289.	2.8	54

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37	Diversity of RuBisCO and ATP citrate lyase genes in soda lake sediments. FEMS Microbiology Ecology, 2011, 75, 37-47.	2.8	52
38	New Insights Into the Polar Lipid Composition of Extremely Halo(alkali)philic Euryarchaea From Hypersaline Lakes. Frontiers in Microbiology, 2019, 10, 377.	3.6	51
39	Growth kinetics of haloalkaliphilic, sulfur-oxidizing bacterium Thioalkalivibrio versutus strain ALJ 15 in continuous culture. Extremophiles, 2004, 8, 185-192.	2.4	50
40	Halanaeroarchaeum sulfurireducens gen. nov., sp. nov., the first obligately anaerobic sulfur-respiring haloarchaeon, isolated from a hypersaline lake. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2377-2381.	1.8	49
41	Complete genome sequence of Thioalkalivibrio sp. K90mix. Standards in Genomic Sciences, 2011, 5, 341-355.	3.7	47
42	Sulfur-Oxidizing Bacteria in Soap Lake (Washington State), a Meromictic, Haloalkaline Lake with an Unprecedented High Sulfide Content. Applied and Environmental Microbiology, 2007, 73, 451-455.	3.2	46
43	Genomic diversity within the haloalkaliphilic genus Thioalkalivibrio. PLoS ONE, 2017, 12, e0173517.	2.4	44
44	Biodegradation Potential of Halo(alkali)philic Prokaryotes. Critical Reviews in Environmental Science and Technology, 2012, 42, 811-856.	12.8	41
45	Desulfonatronospira sulfatiphila sp. nov., and Desulfitispora elongata sp. nov., two novel haloalkaliphilic sulfidogenic bacteria from soda lakes. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 396-401.	1.8	41
46	Sulfate-dependent acetate oxidation under extremely natron-alkaline conditions by syntrophic associations from hypersaline soda lakes. Microbiology (United Kingdom), 2014, 160, 723-732.	1.8	40
47	Natronobiforma cellulositropha gen. nov., sp. nov., a novel haloalkaliphilic member of the family Natrialbaceae (class Halobacteria) from hypersaline alkaline lakes. Systematic and Applied Microbiology, 2018, 41, 355-362.	3.1	37
48	Activity and diversity of haloalkaliphilic methanogens in Central Asian soda lakes. Journal of Biotechnology, 2012, 161, 167-173.	4.0	36
49	Metabolic Response of â€œCandidatus Accumulibacter Phosphatisâ€•Clade II C to Changes in Influent P/C Ratio. Frontiers in Microbiology, 2016, 7, 2121.	3.6	36
50	Complete denitrification in coculture of obligately chemolithoautotrophic haloalkaliphilic sulfur-oxidizing bacteria from a hypersaline soda lake. Archives of Microbiology, 2003, 180, 127-133.	2.2	35
51	Phenotypic and Genomic Properties of Chitinispirillum alkaliphilum gen. nov., sp. nov., A Haloalkaliphilic Anaerobic Chitinolytic Bacterium Representing a Novel Class in the Phylum Fibrobacteres. Frontiers in Microbiology, 2016, 7, 407.	3.6	35
52	Metabolic versatility of haloalkaliphilic bacteria from soda lakes belonging to the Alkalispirillumâ€“Alkalilimnicola group. Extremophiles, 2006, 10, 213-220.	2.4	34
53	Utilization of aliphatic nitriles under haloalkaline conditions byBacillus alkalinitrilicussp. nov. isolated from soda solonchak soil. FEMS Microbiology Letters, 2008, 288, 235-240.	1.8	33
54	Sulfur-dependent respiration under extremely haloalkaline conditions in soda lake â€˜acetogensâ€™ and the description of Natroniella sulfidigena sp. nov.. FEMS Microbiology Letters, 2011, 319, 88-95.	1.8	32

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55	Diversity of Halophilic Sulfur-Oxidizing Bacteria in Hypersaline Habitats. , 2008, , 225-237.		32
56	Haloalkaliphilic spore-forming sulfidogens from soda lake sediments and description of Desulfitispora alkaliphila gen. nov., sp. nov.. Extremophiles, 2010, 14, 313-320.	2.4	31
57	Sulfur Respiration in a Group of Facultatively Anaerobic Natronoarchaea Ubiquitous in Hypersaline Soda Lakes. Frontiers in Microbiology, 2018, 9, 2359.	3.6	31
58	Natrarchaeobius chitinivorans gen. nov., sp. nov., and Natrarchaeobius halalkaliphilus sp. nov., alkaliphilic, chitin-utilizing haloarchaea from hypersaline alkaline lakes. Systematic and Applied Microbiology, 2019, 42, 309-318.	3.1	31
59	Dissimilatory sulfate reduction in the archaeon â€˜Candidatus Vulcanisaeta moutnovskiaâ€™ sheds light on the evolution of sulfur metabolism. Nature Microbiology, 2020, 5, 1428-1438.	13.0	31
60	Natronotalea proteinilytica gen. nov., sp. nov. and Longimonas haloalkaliphila sp. nov., extremely haloalkaliphilic members of the phylum Rhodothermaeota from hypersaline alkaline lakes. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4161-4167.	1.8	31
61	Natronolimnobius sulfurireducens sp. nov. and Halalkaliarchaeum desulfuricum gen. nov., sp. nov., the first sulfur-respiring alkaliphilic haloarchaea from hypersaline alkaline lakes. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2662-2673.	1.8	31
62	Adaptation in Haloalkaliphiles and Natronophilic Bacteria. Cellular Origin and Life in Extreme Habitats, 2013, , 121-178.	0.0	30
63	Reclassification of the genus Natronolimnobius: proposal of two new genera, Natronolimnohabitans gen. nov. to accommodate Natronolimnobius innermongolicus and Natrarchaeobaculum gen. nov. to accommodate Natronolimnobius aegyptiacus and Natronolimnobius sulfurireducens. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 3399-3405.	1.8	30
64	Halophilic and Haloalkaliphilic Sulfur-Oxidizing Bacteria. , 2013, , 529-554.		29
65	Complete genome sequence of Desulfurivibrio alkaliphilus strain AHT2T, a haloalkaliphilic sulfidogen from Egyptian hypersaline alkaline lakes. Standards in Genomic Sciences, 2016, 11, 67.	3.7	29
66	Phenotypic and Genomic Properties of a Novel Deep-Lineage Haloalkaliphilic Member of the Phylum Balneolaeota From Soda Lakes Possessing Na+-Translocating Proteorhodopsin. Frontiers in Microbiology, 2018, 9, 2672.	3.6	29
67	Effect of dimethyl disulfide on the sulfur formation and microbial community composition during the biological H2S removal from sour gas streams. Journal of Hazardous Materials, 2020, 386, 121916.	12.6	29
68	Cytochrome cbb3 of Thioalkalivibrio is a Na+-pumping cytochrome oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7695-7700.	7.6	28
69	Microbial Isobutyronitrile Utilization under Haloalkaline Conditions. Applied and Environmental Microbiology, 2007, 73, 5574-5579.	3.2	27
70	Analysis of ammonia-oxidizing bacteria dominating in lab-scale bioreactors with high ammonium bicarbonate loading. Applied Microbiology and Biotechnology, 2012, 93, 401-410.	3.7	27
71	Isolation and characterization of an obligately chemolithoautotrophicHalothiobacillusstrain capable of growth on thiocyanate as an energy source. FEMS Microbiology Letters, 2014, 354, 69-74.	1.8	27
72	Oxidation of thiosulfate to tetrathionate by an haloarchaeon isolated from hypersaline habitat. Extremophiles, 2005, 9, 501-504.	2.4	26

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73	Genomic Analysis of the Evolution of Phototrophy among Haloalkaliphilic Rhodobacterales. Genome Biology and Evolution, 2017, 9, 1950-1962.	2.6	26
74	Sulfidogenesis in hypersaline chloride-sulfate lakes of Kulunda Steppe (Altai, Russia). FEMS Microbiology Ecology, 2012, 79, 445-453.	2.8	25
75	Natranaerofaba carboxydovora gen. nov., sp. nov., an extremely haloalkaliphilic <scp>CO</scp>â€utilizing acetogen from a hypersaline soda lake representing a novel deep phylogenetic lineage in the class â€˜Natranaerobiiaâ€™. Environmental Microbiology, 2021, 23, 3460-3476.	3.9	24
76	Selection and Application of Sulfide Oxidizing Microorganisms Able to Withstand Thiols in Gas Biodesulfurization Systems. Environmental Science & Technology, 2016, 50, 12808-12815.	10.5	23
77	Halococcoides cellulosivorans gen. nov., sp. nov., an extremely halophilic cellulose-utilizing haloarchaeon from hypersaline lakes. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 1327-1335.	1.8	23
78	Plasticicumulans lactativorans sp. nov., a polyhydroxybutyrate-accumulating gammaproteobacterium from a sequencing-batch bioreactor fed with lactate. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 33-38.	1.8	22
79	Tackling the chemical diversity of microbial nonulosonic acids â€“ a universal large-scale survey approach. Chemical Science, 2020, 11, 3074-3080.	7.8	21
80	Comparative Genomics of Thiohalobacter thiocyanaticus HRh1T and Guyparkeria sp. SCN-R1, Halophilic Chemolithoautotrophic Sulfur-Oxidizing Gammaproteobacteria Capable of Using Thiocyanate as Energy Source. Frontiers in Microbiology, 2019, 10, 898.	3.6	20
81	Trinuclear copper biocatalytic center forms an active site of thiocyanate dehydrogenase. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5280-5290.	7.6	20
82	Inhibition of a biological sulfide oxidation under haloalkaline conditions by thiols and diorgano polysulfanes. Water Research, 2016, 101, 448-456.	11.5	19
83	Wenzhouxiangella Strain AB-CW3, a Proteolytic Bacterium From Hypersaline Soda Lakes That Preys on Cells of Gram-Positive Bacteria. Frontiers in Microbiology, 2020, 11, 597686.	3.6	18
84	Natronospira proteinivora gen. nov., sp. nov, an extremely salt-tolerant, alkaliphilic gammaproteobacterium from hypersaline soda lakes. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2604-2608.	1.8	18
85	Effect of salinity on diazotrophic activity and microbial composition of phototrophic communities from Bitter-1 soda lake (Kulunda Steppe, Russia). Extremophiles, 2018, 22, 651-663.	2.4	17
86	The patterns of nitrogen fixation in haloalkaliphilic phototrophic communities of Kulunda Steppe soda lakes (Altai, Russia). FEMS Microbiology Ecology, 2019, 95, .	2.8	17
87	Ecology and application of haloalkaliphilic anaerobic microbial communities. Applied Microbiology and Biotechnology, 2015, 99, 9331-9336.	3.7	16
88	Draft genome sequence of Dethiobacter alkaliphilus strain AHT1T, a gram-positive sulfidogenic polyextremophile. Standards in Genomic Sciences, 2017, 12, 57.	3.7	16
89	Halapricum desulfuricans sp. nov., carbohydrate-utilizing, sulfur-respiring haloarchaea from hypersaline lakes. Systematic and Applied Microbiology, 2021, 44, 126249.	3.1	16
90	Complete genome sequence of â€˜Halanaeroarchaeum sulfurireducensâ€™ M27-SA2, a sulfur-reducing and acetate-oxidizing haloarchaeon from the deep-sea hypersaline anoxic lake Medee. Standards in Genomic Sciences, 2016, 11, 35.	3.7	15

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91	Anaerobic Haloalkaliphiles. , 0, , 1-16.		15
92	Lipid recovery from a vegetable oil emulsion using microbial enrichment cultures. Biotechnology for Biofuels, 2015, 8, 39.	6.3	14
93	Carbohydrateâ€dependent sulfur respiration in halo(alkali)philic archaea. Environmental Microbiology, 2021, 23, 3789-3808.	3.9	14
94	Partial genome sequence of the haloalkaliphilic soda lake bacterium Thioalkalivibrio thiocyanoxidans ARh 2T. Standards in Genomic Sciences, 2015, 10, 85.	3.7	13
95	Natronoglycomyces albus gen. nov., sp. nov, a haloalkaliphilic actinobacterium from a soda solonchak soil. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.8	13
96	Sulfur and Oxygen Isotope Fractionation During Bacterial Sulfur Disproportionation Under Anaerobic Haloalkaline Conditions. Geomicrobiology Journal, 2016, 33, 934-941.	2.0	12
97	Methanogens and Methanogenesis in Hypersaline Environments. , 2018, , 1-27.		11
98	Structure of the flavocytochrome c sulfide dehydrogenase associated with the copper-binding protein CopC from the haloalkaliphilic sulfur-oxidizing bacterium Thioalkalivibrio paradoxusARh 1. Acta Crystallographica Section D: Structural Biology, 2018, 74, 632-642.	2.4	10
99	Analysis of the Genes Involved in Thiocyanate Oxidation during Growth in Continuous Culture of the Haloalkaliphilic Sulfur-Oxidizing Bacterium Thioalkalivibrio thiocyanoxidans ARh 2^TUsing Transcriptomics. MSystems, 2017, 2, .	4.1	9
100	Reply to â€˜Evolutionary placement of Methanonatronarchaeiaâ€™. Nature Microbiology, 2019, 4, 560-561.	13.0	9
101	Halo(natrono)archaea from hypersaline lakes can utilize sulfoxides other than DMSO as electron acceptors for anaerobic respiration. Extremophiles, 2021, 25, 173-180.	2.4	9
102	Proteomic Analysis of Methanonatronarchaeum thermophilum AMET1, a Representative of a Putative New Class of Euryarchaeota, â€œMethanonatronarchaeiaâ€. Genes, 2018, 9, 28.	2.4	8
103	Effect of methanethiol on process performance, selectivity and diversity of sulfur-oxidizing bacteria in a dual bioreactor gas biodesulfurization system. Journal of Hazardous Materials, 2020, 398, 123002.	12.6	7
104	Anaerobic carboxydotrophy in sulfur-respiring haloarchaea from hypersaline lakes. ISME Journal, 2022, 16, 1534-1546.	10.0	7
105	Complete genome sequence of Thioalkalivibrio paradoxus type strain ARh 1T, an obligately chemolithoautotrophic haloalkaliphilic sulfur-oxidizing bacterium isolated from a Kenyan soda lake. Standards in Genomic Sciences, 2015, 10, 105.	3.7	6
106	Process of energy conservation in the extremely haloalkaliphilic methylâ€reducing methanogen Methanonatronarchaeum thermophilum. FEBS Journal, 2022, 289, 549-563.	5.0	6
107	Methanogens and Methanogenesis in Hypersaline Environments. , 2019, , 283-309.		6
108	Ecology of Methanonatronarchaeia. Environmental Microbiology, 2022, 24, 5217-5229.	3.9	6

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109	Natronocalculus amylovorans gen. nov., sp. nov., and Natranaeroarchaeum aerophilus sp. nov., dominant culturable amylolytic natronoarchaea from hypersaline soda lakes in southwestern Siberia. Systematic and Applied Microbiology, 2022, 45, 126336.	3.1	5
110	<scp>N</scp> itrolancea . , 0, , 1-6.		4
111	Desulfuribacillaceae fam. nov .. , 0, , 1-2.		4
112	Desulfuribacillia class. nov.. , 0, , 1-2.		4
113	<scp>H</scp> alodesulfurarchaeum . , 0, , 1-6.		3
114	Thiohalomonas. , 0, , 1-6.		3
115	Thiohalospira. , 0, , 1-7.		3
116	<scp>T</scp> hiohalorhabdus . , 0, , 1-6.		3
117	Halalkaliarchaeum. , 0, , 1-8.		3
118	Thiohalophilus. , 0, , 1-7.		3
119	Nanohaloarchaea as beneficiaries of xylan degradation by haloarchaea. Microbial Biotechnology, 2023, 16, 1803-1822.	4.3	3
120	Sulfitobacter. , 0, , 1-8.		2
121	Partial genome sequence of Thioalkalivibrio thiocyanodenitrificans ARhD 1T, a chemolithoautotrophic haloalkaliphilic sulfur-oxidizing bacterium capable of complete denitrification. Standards in Genomic Sciences, 2015, 10, 84.	3.7	2
122	<scp>H</scp> alanaeroarchaeum . , 0, , 1-6.		2
123	<scp>T</scp> hiohalobacter . , 0, , 1-5.		2
124	Molecular and Physiological Adaptations to Low Temperature in Thioalkalivibrio Strains Isolated from Soda Lakes with Different Temperature Regimes. MSystems, 2021, 6, .	4.1	2
125	Desulfuribacillales ord. nov.. , 0, , 1-1.		2
126	Sodium Energetic Cycle in the Natronophilic Bacterium Thioalkalivibrio versutus. International Journal of Molecular Sciences, 2022, 23, 1965.	4.2	2

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127	Natronosporangium hydrolyticum gen. nov., sp. nov., a haloalkaliphilic polyhydrolytic actinobacterium from a soda solonchak soil in Central Asia. Systematic and Applied Microbiology, 2022, 45, 126307.	3.1	2
128	Halapricum hydrolyticum sp. nov., a beta-1,3-glucan utilizing haloarchaeon from hypersaline lakes. Systematic and Applied Microbiology, 2023, 46, 126471.	3.1	2
129	<scp>N</scp> atronobiforma . , 0, , 1-7.		1
130	Natrarchaeobius. , 0, , 1-9.		1
131	Halococcoides. , 0, , 1-8.		1
132	Incertae Sedis XIV. Catenococcus. , 0, , 1-3.		0
133	<scp>M</scp> ethanosalsum . , 0, , 1-8.		0
134	<scp>M</scp> ethanonatronarchaeum . , 0, , 1-6.		0
135	<scp>D</scp> esulfurispira . , 0, , 1-4.		0
136	<scp>D</scp>esulfurispirillum. , 0, , 1-5.		0
137	Candidatus Methanohalarchaeum. , 0, , 1-3.		0
138	<scp>D</scp> ethiobacter . , 0, , 1-5.		0
139	<scp>M</scp> ethanonatronarchaeia . , 0, , 1-2.		0
140	<scp>M</scp> ethanonatronarchaeaceae . , 0, , 1-2.		0
141	<scp>M</scp> ethanonatronarchaeales . , 0, , 1-1.		0
142	Desulfurivibrio. , 0, , 1-5.		0
143	<scp>N</scp> atronotalea . , 0, , 1-4.		0
144	<scp>T</scp> hioalkalibacter . , 0, , 1-6.		0

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145	Chitinivibrionales. , 0, , 1-1.		0
146	Desulfuribacillus. , 0, , 1-9.		0
147	Chitinispirillia. , 0, , 1-2.		0
148	Chitinivibrionia. , 0, , 1-2.		0
149	Chitinispirillaceae. , 0, , 1-1.		0
150	Chitinivibrionaceae. , 0, , 1-1.		0
151	Chitinispirillum. , 0, , 1-6.		0
152	Chitinivibrio. , 0, , 1-5.		0
153	Chitinispirillales. , 0, , 1-1.		0
154	Desulfitisporales ord. nov.. , 0, , 1-1.		0
155	Desulfitisporia class. nov.. , 0, , 1-2.		0
156	Desulfitisporaceae fam. nov.. , 0, , 1-1.		0
157	Desulfitispora. , 0, , 1-9.		0
158	Natronospira bacteriovora sp. nov., and Natronospira elongata sp. nov., extremely salt-tolerant predatory proteolytic bacteria from soda lakes and proposal to classify the genus Natronospira into Natronospiraceae fam. nov., and Natronospirales ord. nov., within the class Gammaproteobacteria. Systematic and Applied Microbiology, 2024, 47, 126519.	3.1	0