

# Mike S M Jetten

## List of Publications by Year in descending order

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Version: 2024-02-01

449  
papers

55,826  
citations

813

118  
h-index

1568

217  
g-index

478  
all docs

478  
docs citations

478  
times ranked

20783  
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal activity-based labeling method for ammonia- and alkane-oxidizing bacteria. ISME Journal, 2022, 16, 958-971.	9.8	12
2	Authors need to be prudent when assigning names to microbial isolates. Antonie Van Leeuwenhoek, 2022, 115, 1-5.	1.7	4
3	Mucisphaera calidilacus gen. nov., sp. nov., a novel planctomycete of the class Phycisphaerae isolated in the shallow sea hydrothermal system of the Lipari Islands. Antonie Van Leeuwenhoek, 2022, 115, 407.	1.7	8
4	Unraveling Nitrogen, Sulfur, and Carbon Metabolic Pathways and Microbial Community Transcriptional Responses to Substrate Deprivation and Toxicity Stresses in a Bioreactor Mimicking Anoxic Brackish Coastal Sediment Conditions. Frontiers in Microbiology, 2022, 13, 798906.	3.5	2
5	Effect of water management on microbial diversity and composition in an Italian rice field system. FEMS Microbiology Ecology, 2022, 98, .	2.7	11
6	Methanethiol Consumption and Hydrogen Sulfide Production by the Thermoacidophilic Methanotroph Methylophilum fumarolicum SolV. Frontiers in Microbiology, 2022, 13, 857442.	3.5	15
7	Towards a more labor-saving way in microbial ammonium oxidation: A review on complete ammonia oxidation (comammox). Science of the Total Environment, 2022, 829, 154590.	8.0	53
8	Amsterdam urban canals contain novel niches for methane-cycling microorganisms. Environmental Microbiology, 2022, 24, 82-97.	3.8	8
9	Metagenomic evidence of a novel family of anammox bacteria in a subsea environment. Environmental Microbiology, 2022, 24, 2348-2360.	3.8	22
10	Methane-Dependent Extracellular Electron Transfer at the Bioanode by the Anaerobic Archaeal Methanotroph <i>Candidatus Methanoperedens</i> . Frontiers in Microbiology, 2022, 13, 820989.	3.5	10
11	Investigation of central energy metabolism-related protein complexes of ANME-2d methanotrophic archaea by complexome profiling. Biochimica Et Biophysica Acta - Bioenergetics, 2021, 1862, 148308.	1.0	12
12	Air pollution could drive global dissemination of antibiotic resistance genes. ISME Journal, 2021, 15, 270-281.	9.8	95
13	Enrichment and physiological characterization of a novel comammox <i>Nitrospira</i> indicates ammonium inhibition of complete nitrification. ISME Journal, 2021, 15, 1010-1024.	9.8	117
14	Ammonia oxidation at pH 2.5 by a new gammaproteobacterial ammonia-oxidizing bacterium. ISME Journal, 2021, 15, 1150-1164.	9.8	39
15	Autotrophic and mixotrophic metabolism of an anammox bacterium revealed by in vivo <sup>13</sup> C and <sup>2</sup> H metabolic network mapping. ISME Journal, 2021, 15, 673-687.	9.8	64
16	Methylophilum thermophilum AP8, a Novel Methane- and Hydrogen-Oxidizing Bacterium Isolated From Volcanic Soil on Pantelleria Island, Italy. Frontiers in Microbiology, 2021, 12, 637762.	3.5	14
17	Enrichment of novel <i>Verrucomicrobia</i> , <i>Bacteroidetes</i> , and <i>Krumholzibacteria</i> in an oxygen-limited methane- and iron-fed bioreactor inoculated with Bothnian Sea sediments. MicrobiologyOpen, 2021, 10, e1175.	3.0	16
18	Verrucomicrobial methanotrophs: ecophysiology of metabolically versatile acidophiles. FEMS Microbiology Reviews, 2021, 45, .	8.6	49

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19	Draft genome of a novel methanotrophic <i>Methylobacter</i> sp. from the volcanic soils of Pantelleria Island. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 313-324.	1.7	12
20	Anthropogenic and Environmental Constraints on the Microbial Methane Cycle in Coastal Sediments. <i>Frontiers in Microbiology</i> , 2021, 12, 631621.	3.5	62
21	Abundance and Functional Importance of Complete Ammonia Oxidizers and Other Nitrifiers in a Riparian Ecosystem. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4573-4584.	10.0	38
22	Selective enrichment and metagenomic analysis of three novel comammox <i>Nitrospira</i> in a urine-fed membrane bioreactor. <i>ISME Communications</i> , 2021, 1, .	4.2	27
23	A Novel Laboratory-Scale Mesocosm Setup to Study Methane Emission Mitigation by Sphagnum Mosses and Associated Methanotrophs. <i>Frontiers in Microbiology</i> , 2021, 12, 652486.	3.5	3
24	A novel methoxydotrophic metabolism discovered in the hyperthermophilic archaeon <i>Archaeoglobus fulgidus</i> . <i>Environmental Microbiology</i> , 2021, 23, 4017-4033.	3.8	10
25	Metagenome Assembled Genome of a Novel Verrucomicrobial Methanotroph From Pantelleria Island. <i>Frontiers in Microbiology</i> , 2021, 12, 666929.	3.5	13
26	Simultaneous Anaerobic and Aerobic Ammonia and Methane Oxidation under Oxygen Limitation Conditions. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0004321.	3.1	3
27	Methanogenic archaea use a bacteria-like methyltransferase system to demethoxylate aromatic compounds. <i>ISME Journal</i> , 2021, 15, 3549-3565.	9.8	30
28	Effect of concentration and hydraulic reaction time on the removal of pharmaceutical compounds in a membrane bioreactor inoculated with activated sludge. <i>Microbial Biotechnology</i> , 2021, 14, 1707-1721.	4.2	16
29	Structural and functional characterization of the intracellular filament-forming nitrite oxidoreductase multiprotein complex. <i>Nature Microbiology</i> , 2021, 6, 1129-1139.	13.3	25
30	Do initial concentration and activated sludge seasonality affect pharmaceutical biotransformation rate constants?. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 6515-6527.	3.6	11
31	Proteogenomic analysis of <i>Georgfuchsia toluolica</i> revealed unexpected concurrent aerobic and anaerobic toluene degradation. <i>Environmental Microbiology Reports</i> , 2021, 13, 841-851.	2.4	3
32	Investigating the Chemolithoautotrophic and Formate Metabolism of <i>Nitrospira moscoviensis</i> by Constraint-Based Metabolic Modeling and <sup>13</sup> C-Tracer Analysis. <i>MSystems</i> , 2021, 6, e0017321.	3.8	8
33	Neodymium as Metal Cofactor for Biological Methanol Oxidation: Structure and Kinetics of an XoxF1-Type Methanol Dehydrogenase. <i>MBio</i> , 2021, 12, e0170821.	4.1	9
34	Effects of a long-term anoxic warming scenario on microbial community structure and functional potential of permafrost-affected soil. <i>Permafrost and Periglacial Processes</i> , 2021, 32, 641-656.	3.4	11
35	Current production by non-methanotrophic bacteria enriched from an anaerobic methane-oxidizing microbial community. <i>Biofilm</i> , 2021, 3, 100054.	3.8	8
36	Characterization of a nitrite-reducing octaheme hydroxylamine oxidoreductase that lacks the tyrosine cross-link. <i>Journal of Biological Chemistry</i> , 2021, 296, 100476.	3.4	16

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37	Microbial activity, methane production, and carbon storage in Early Holocene North Sea peats. <i>Biogeosciences</i> , 2021, 18, 5491-5511.	3.3	3
38	Authors need to be prudent when assigning names to microbial isolates. <i>Archives of Microbiology</i> , 2021, 203, 5845-5848.	2.2	6
39	Authors Need to be Prudent When Assigning Names to Microbial Isolates. <i>Current Microbiology</i> , 2021, 78, 4005-4008.	2.2	4
40	The Polygonal Cell Shape and Surface Protein Layer of Anaerobic Methane-Oxidizing <i>Methyloirabilislanthanidiphila</i> Bacteria. <i>Frontiers in Microbiology</i> , 2021, 12, 766527.	3.5	2
41	Anaerobic ammonium oxidation is a major N-sink in aquifer systems around the world. <i>ISME Journal</i> , 2020, 14, 151-163.	9.8	54
42	Three marine strains constitute the novel genus and species <i>Crateriforma conspicua</i> in the phylum Planctomycetes. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1797-1809.	1.7	35
43	<i>Blastopirellula retiformator</i> sp. nov. isolated from the shallow-sea hydrothermal vent system close to Panarea Island. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1811-1822.	1.7	29
44	Description of the novel planctomycetal genus <i>Bremerella</i> , containing <i>Bremerella volcania</i> sp. nov., isolated from an active volcanic site, and reclassification of <i>Blastopirellula crema</i> as <i>Bremerella crema</i> comb. nov.. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1823-1837.	1.7	36
45	Description of three bacterial strains belonging to the new genus <i>Novipirellula</i> gen. nov., reclassification of <i>Rhodopirellula rosea</i> and <i>Rhodopirellula caenicola</i> and readjustment of the genus threshold of the phylogenetic marker <i>rpoB</i> for Planctomycetaceae. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1779-1795.	1.7	56
46	Microbial community composition and functional potential in Bothnian Sea sediments is linked to Fe and S dynamics and the quality of organic matter. <i>Limnology and Oceanography</i> , 2020, 65, S113.	3.1	22
47	<i>Rhodopirellula heiligendammensis</i> sp. nov., <i>Rhodopirellula pilleata</i> sp. nov., and <i>Rhodopirellula solitaria</i> sp. nov. isolated from natural or artificial marine surfaces in Northern Germany and California, USA, and emended description of the genus <i>Rhodopirellula</i> . <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1737-1750.	1.7	35
48	<i>Alienimonas californiensis</i> gen. nov. sp. nov., a novel Planctomycete isolated from the kelp forest in Monterey Bay. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1751-1766.	1.7	40
49	Three novel <i>Rubripirellula</i> species isolated from plastic particles submerged in the Baltic Sea and the estuary of the river Warnow in northern Germany. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1767-1778.	1.7	41
50	<i>Rubinisphaera italica</i> sp. nov. isolated from a hydrothermal area in the Tyrrhenian Sea close to the volcanic island Panarea. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1727-1736.	1.7	38
51	Cultivation and functional characterization of 79 planctomycetes uncovers their unique biology. <i>Nature Microbiology</i> , 2020, 5, 126-140.	13.3	164
52	Metagenomic profiling of ammonia- and methane-oxidizing microorganisms in two sequential rapid sand filters. <i>Water Research</i> , 2020, 185, 116288.	11.3	52
53	The role of mobile genetic elements in organic micropollutant degradation during biological wastewater treatment. <i>Water Research X</i> , 2020, 9, 100065.	6.1	29
54	<i>Caulifigura coniformis</i> gen. nov., sp. nov., a novel member of the family Planctomycetaceae isolated from a red biofilm sampled in a hydrothermal area. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1927-1937.	1.7	15

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55	Rosistilla oblonga gen. nov., sp. nov. and Rosistilla carotiformis sp. nov., isolated from biotic or abiotic surfaces in Northern Germany, Mallorca, Spain and California, USA. Antonie Van Leeuwenhoek, 2020, 113, 1939-1952.	1.7	20
56	Updates to the recently introduced family Lacipirellulaceae in the phylum Planctomycetes: isolation of strains belonging to the novel genera Aeoliella, Botrimarina, Pirellulimonas and Pseudobythopirellula and the novel species Bythopirellula polymerisocia and Posidoniimonas corsicana. Antonie Van Leeuwenhoek, 2020, 113, 1979-1997.	1.7	47
57	Arsenic mobilization by anaerobic iron-dependent methane oxidation. Communications Earth & Environment, 2020, 1, .	6.8	22
58	Nutrient Limitation Causes Differential Expression of Transport- and Metabolism Genes in the Compartmentalized Anammox Bacterium Kuenenia stuttgartiensis. Frontiers in Microbiology, 2020, 11, 1959.	3.5	14
59	Larger Anammox Granules not only Harbor Higher Species Diversity but also Support More Functional Diversity. Environmental Science & Technology, 2020, 54, 14664-14673.	10.0	34
60	Long-term enriched methanogenic communities from thermokarst lake sediments show species-specific responses to warming. FEMS Microbes, 2020, 1, .	2.1	7
61	Three Planctomycetes isolated from biotic surfaces in the Mediterranean Sea and the Pacific Ocean constitute the novel species Symmachiella dynata gen. nov., sp. nov. and Symmachiella macrocystis sp. nov.. Antonie Van Leeuwenhoek, 2020, 113, 1965-1977.	1.7	20
62	Multiheme hydroxylamine oxidoreductases produce NO during ammonia oxidation in methanotrophs. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24459-24463.	7.1	25
63	Stieleria varia sp. nov., isolated from wood particles in the Baltic Sea, constitutes a novel species in the family Pirellulaceae within the phylum Planctomycetes. Antonie Van Leeuwenhoek, 2020, 113, 1953-1963.	1.7	14
64	Cultivation-Independent Analysis of the Bacterial Community Associated With the Calcareous Sponge Clathrina clathrus and Isolation of Poriferisphaera corsica Gen. Nov., Sp. Nov., Belonging to the Barely Studied Class Phycisphaerae in the Phylum Planctomycetes. Frontiers in Microbiology, 2020, 11, 602250.	3.5	23
65	More Than a Methanotroph: A Broader Substrate Spectrum for Methylacidiphilum fumarolicum SolV. Frontiers in Microbiology, 2020, 11, 604485.	3.5	20
66	Additions to the genus Gimesia: description of Gimesia alba sp. nov., Gimesia algae sp. nov., Gimesia aquarii sp. nov., Gimesia aquatilis sp. nov., Gimesia fumaroli sp. nov. and Gimesia panarensis sp. nov., isolated from aquatic habitats of the Northern Hemisphere. Antonie Van Leeuwenhoek, 2020, 113, 1999-2018.	1.7	41
67	Geothermal Gases Shape the Microbial Community of the Volcanic Soil of Pantelleria, Italy. MSystems, 2020, 5, .	3.8	13
68	Transcriptomics Uncovers the Response of Anammox Bacteria to Dissolved Oxygen Inhibition and the Subsequent Recovery Mechanism. Environmental Science & Technology, 2020, 54, 14674-14685.	10.0	40
69	Hydrogen and Carbon Monoxide-Utilizing Kyrpidia spormannii Species From Pantelleria Island, Italy. Frontiers in Microbiology, 2020, 11, 951.	3.5	18
70	Calycomorphotria hydatis gen. nov., sp. nov., a novel species in the family Planctomycetaceae with conspicuous subcellular structures. Antonie Van Leeuwenhoek, 2020, 113, 1877-1887.	1.7	17
71	Tautonia plasticadhaerens sp. nov., a novel species in the family Isosphaeraceae isolated from an alga in a hydrothermal area of the Eolian Archipelago. Antonie Van Leeuwenhoek, 2020, 113, 1889-1900.	1.7	19
72	Nanoarchitected structure and population dynamics of anaerobic ammonium oxidizing (anammox) bacteria in a wastewater treatment plant. Journal of Hazardous Materials, 2020, 396, 122714.	12.4	14

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73	Changes in microbial community composition, activity, and greenhouse gas production upon inundation of drained iron-rich peat soils. <i>Soil Biology and Biochemistry</i> , 2020, 149, 107862.	8.8	12
74	Diversity, enrichment, and genomic potential of anaerobic methane- and ammonium-oxidizing microorganisms from a brewery wastewater treatment plant. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7201-7212.	3.6	9
75	<i>Thalassoglobus polymorphus</i> sp. nov., a novel Planctomycete isolated close to a public beach of Mallorca Island. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1915-1926.	1.7	15
76	<i>Maioricimonas rarisocia</i> gen. nov., sp. nov., a novel planctomycete isolated from marine sediments close to Mallorca Island. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1901-1913.	1.7	17
77	The Microbiome of <i>Posidonia oceanica</i> Seagrass Leaves Can Be Dominated by Planctomycetes. <i>Frontiers in Microbiology</i> , 2020, 11, 1458.	3.5	40
78	The thermoacidophilic methanotroph <i>Methylacidiphilum fumarolicum</i> SolV oxidizes subatmospheric H <sub>2</sub> with a high-affinity, membrane-associated [NiFe] hydrogenase. <i>ISME Journal</i> , 2020, 14, 1223-1232.	9.8	47
79	A unique bacteriohopanetetrol stereoisomer of marine anammox. <i>Organic Geochemistry</i> , 2020, 143, 103994.	1.8	18
80	Extracellular electron transfer-dependent anaerobic oxidation of ammonium by anammox bacteria. <i>Nature Communications</i> , 2020, 11, 2058.	12.8	168
81	<i>Aureliella helgolandensis</i> gen. nov., sp. nov., a novel Planctomycete isolated from a jellyfish at the shore of the island Helgoland. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1839-1849.	1.7	19
82	Description of <i>Polystyrenella longa</i> gen. nov., sp. nov., isolated from polystyrene particles incubated in the Baltic Sea. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1851-1862.	1.7	14
83	<i>Lignipirellula cremea</i> gen. nov., sp. nov., a planctomycete isolated from wood particles in a brackish river estuary. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1863-1875.	1.7	15
84	Draft Genome Sequences of Two Acidophilic, Mesophilic Verrucomicrobial Methanotrophs Contain Only One pmoCAB Operon. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	1
85	Microbial nitrogen fixation and methane oxidation are strongly enhanced by light in Sphagnum mosses. <i>AMB Express</i> , 2020, 10, 61.	3.0	16
86	Draft Genome Sequence of a New <i>Methanobacterium</i> Strain Potentially Resistant to Bile Salts, Isolated from Deer Feces. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	0
87	Complexome analysis of the nitrite-dependent methanotroph <i>Methylomirabilis lanthanidiphila</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 734-744.	1.0	18
88	Demethylated hopanoids in <i>Methylomirabilis oxyfera</i> ™ as biomarkers for environmental nitrite-dependent methane oxidation. <i>Organic Geochemistry</i> , 2019, 137, 103899.	1.8	7
89	A nitric oxide-binding heterodimeric cytochrome c complex from the anammox bacterium <i>Kuenenia stuttgartiensis</i> binds to hydrazine synthase. <i>Journal of Biological Chemistry</i> , 2019, 294, 16712-16728.	3.4	16
90	The Acidophilic Methanotroph <i>Methylacidimicrobium tartarophylax</i> 4AC Grows as Autotroph on H <sub>2</sub> Under Microoxic Conditions. <i>Frontiers in Microbiology</i> , 2019, 10, 2352.	3.5	28

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91	Metabolic Overlap in Environmentally Diverse Microbial Communities. <i>Frontiers in Genetics</i> , 2019, 10, 989.	2.3	33
92	Interactions of anaerobic ammonium oxidizers and sulfide-oxidizing bacteria in a substrate-limited model system mimicking the marine environment. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	11
93	High-Level Abundances of <i>Methanobacteriales</i> and <i>Syntrophobacteriales</i> May Help To Prevent Corrosion of Metal Sheet Piles. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	14
94	Interactions between anaerobic ammonium- and methane-oxidizing microorganisms in a laboratory-scale sequencing batch reactor. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6783-6795.	3.6	26
95	<i>Methylothermobacterium oryzae</i> Strain C50C1 Is a Novel Type Ib Gammaproteobacterial Methanotroph Adapted to Freshwater Environments. <i>MSphere</i> , 2019, 4, .	2.9	14
96	Complete Genome Sequence of the Aerobic Facultative Methanotroph <i>Methylocella tundrae</i> Strain T4. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	5
97	Anaerobic methanotrophic archaea of the ANME-2d clade feature lipid composition that differs from other ANME archaea. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	28
98	Cultivation and Transcriptional Analysis of a Canonical <i>Nitrospira</i> Under Stable Growth Conditions. <i>Frontiers in Microbiology</i> , 2019, 10, 1325.	3.5	34
99	Metagenomic recovery of two distinct comammox <i>Nitrospira</i> from the terrestrial subsurface. <i>Environmental Microbiology</i> , 2019, 21, 3627-3637.	3.8	69
100	A 192-heme electron transfer network in the hydrazine dehydrogenase complex. <i>Science Advances</i> , 2019, 5, eaav4310.	10.3	47
101	Nitric oxide-dependent anaerobic ammonium oxidation. <i>Nature Communications</i> , 2019, 10, 1244.	12.8	103
102	The urgent need for microbiology literacy in society. <i>Environmental Microbiology</i> , 2019, 21, 1513-1528.	3.8	99
103	In Situ Quantification of Biological $N_2$ Production Using Naturally Occurring $^{15}N_2$ . <i>Environmental Science &amp; Technology</i> , 2019, 53, 5168-5175.	10.0	14
104	Characterization of a novel cytochrome c as the electron acceptor of XoxF-MDH in the thermoacidophilic methanotroph <i>Methylothermobacterium fumarolicum</i> SolV. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 595-603.	2.3	25
105	Key Physiology of a Nitrite-Dependent Methane-Oxidizing Enrichment Culture. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	39
106	A 60-heme reductase complex from an anammox bacterium shows an extended electron transfer pathway. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 333-341.	2.3	7
107	Dark carbon fixation in the Arabian Sea oxygen minimum zone contributes to sedimentary organic carbon (SOM). <i>Global Biogeochemical Cycles</i> , 2019, 33, 1715-1732.	4.9	27
108	Regulation of coastal methane sinks by a structured gradient of microbial methane oxidizers. <i>Environmental Pollution</i> , 2019, 244, 228-237.	7.5	53

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109	Resuscitation of anammox bacteria after &gt;10,000 years of dormancy. ISME Journal, 2019, 13, 1098-1109.	9.8	51
110	Current perspectives on the application of N-damo and anammox in wastewater treatment. Current Opinion in Biotechnology, 2018, 50, 222-227.	6.6	88
111	The hunt for the most-wanted chemolithoautotrophic spookmicrobes. FEMS Microbiology Ecology, 2018, 94, .	2.7	28
112	Methane Feedbacks to the Global Climate System in a Warmer World. Reviews of Geophysics, 2018, 56, 207-250.	23.0	354
113	Characterization of the first planctomycetal outer membrane protein identifies a channel in the outer membrane of the anammox bacterium Kuenenia stuttgartiensis. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 767-776.	2.6	9
114	Signaling ammonium across membranes through an ammonium sensor histidine kinase. Nature Communications, 2018, 9, 164.	12.8	36
115	Co-cultivation of the strictly anaerobic methanogen Methanosarcina barkeri with aerobic methanotrophs in an oxygen-limited membrane bioreactor. Applied Microbiology and Biotechnology, 2018, 102, 5685-5694.	3.6	16
116	Editorial overview: Microbial environmental biotechnology. Current Opinion in Biotechnology, 2018, 50, vii-ix.	6.6	0
117	Resolving the complete genome of Kuenenia stuttgartiensis from a membrane bioreactor enrichment using Single-Molecule Real-Time sequencing. Scientific Reports, 2018, 8, 4580.	3.3	48
118	Microbial pathways for nitrogen loss in an upland soil. Environmental Microbiology, 2018, 20, 1723-1738.	3.8	76
119	Nutrient and acetate amendment leads to acetoclastic methane production and microbial community change in a non-producing Australian coal well. Microbial Biotechnology, 2018, 11, 626-638.	4.2	30
120	Community Composition and Ultrastructure of a Nitrate-Dependent Anaerobic Methane-Oxidizing Enrichment Culture. Applied and Environmental Microbiology, 2018, 84, .	3.1	28
121	Response of the Anaerobic Methanotroph <i>Candidatus</i> Methanoperedens nitroreducens to Oxygen Stress. Applied and Environmental Microbiology, 2018, 84, .	3.1	42
122	Increases in temperature and nutrient availability positively affect methane cycling microorganisms in Arctic thermokarst lake sediments. Environmental Microbiology, 2018, 20, 4314-4327.	3.8	51
123	Linking Nitrogen Load to the Structure and Function of Wetland Soil and Rhizosphere Microbial Communities. MSystems, 2018, 3, .	3.8	56
124	The influence of oxygen and methane on nitrogen fixation in subarctic Sphagnum mosses. AMB Express, 2018, 8, 76.	3.0	16
125	Fortune favours the well-read audience, authors and editors of environmental microbiology. Environmental Microbiology, 2018, 20, 1947-1948.	3.8	0
126	Comparative Genomics of Candidatus Methyloirabilis Species and Description of Ca. Methyloirabilis Lanthanidiphila. Frontiers in Microbiology, 2018, 9, 1672.	3.5	67



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127	Nitrogen loss by anaerobic ammonium oxidation in unconfined aquifer soils. <i>Scientific Reports</i> , 2017, 7, 40173.	3.3	31
128	McrA primers for the detection and quantification of the anaerobic archaeal methanotroph <i>Candidatus Methanoperedens nitroreducens</i> <sup>TM</sup> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1631-1641.	3.6	65
129	Draft Genome of <i>Scalindia rubra</i> , Obtained from the Interface Above the Discovery Deep Brine in the Red Sea, Sheds Light on Potential Salt Adaptation Strategies in Anammox Bacteria. <i>Microbial Ecology</i> , 2017, 74, 1-5.	2.8	73
130	Metagenomic potential for and diversity of N-cycle driving microorganisms in the Bothnian Sea sediment. <i>MicrobiologyOpen</i> , 2017, 6, e00475.	3.0	43
131	Iron assimilation and utilization in anaerobic ammonium oxidizing bacteria. <i>Current Opinion in Chemical Biology</i> , 2017, 37, 129-136.	6.1	113
132	Whole-Community Metagenomics in Two Different Anammox Configurations: Process Performance and Community Structure. <i>Environmental Science &amp; Technology</i> , 2017, 51, 4317-4327.	10.0	98
133	<i>Methylophilum fumariolicum</i> SolV, a thermoacidophilic <i>Candidatus</i> Knallgas <sup>TM</sup> methanotroph with both an oxygen-sensitive and -insensitive hydrogenase. <i>ISME Journal</i> , 2017, 11, 945-958.	9.8	80
134	Enrichment of anaerobic nitrate-dependent methanotrophic <i>Candidatus</i> <i>Methanoperedens nitroreducens</i> <sup>TM</sup> archaea from an Italian paddy field soil. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7075-7084.	3.6	110
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435	A fluoride-insensitive inorganic pyrophosphatase isolated from <i>Methanotherix soehngeni</i> . <i>Archives of Microbiology</i> , 1992, 157, 284-289.	2.2	25
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