

# Nicole J Bale

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

825  
citations

516710

16  
h-index

610901

24  
g-index

46  
all docs

46  
docs citations

46  
times ranked

958  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in the Distribution of Membrane Lipids during Growth of <i>Thermotoga maritima</i> at Different Temperatures: Indications for the Potential Mechanism of Biosynthesis of Ether-Bound Diabolic Acid (Membrane-Spanning) Lipids. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0176321.	3.1	8
2	Acetate Degradation at Low pH by the Moderately Acidophilic Sulfate Reducer <i>Acididesulfobacillus acetoxydans</i> gen. nov. sp. nov.. <i>Frontiers in Microbiology</i> , 2022, 13, 816605.	3.5	6
3	<i>Natronocalculus amylovorans</i> gen. nov., sp. nov., and <i>Natranaeroarchaeum aerophilus</i> sp. nov., dominant culturable amylolytic natronoarchaea from hypersaline soda lakes in southwestern Siberia. <i>Systematic and Applied Microbiology</i> , 2022, 45, 126336.	2.8	4
4	<i>Natranaerofaba carboxydovora</i> gen. nov., sp. nov., an extremely haloalkaliphilic <i>CO</i> -utilizing acetogen from a hypersaline soda lake representing a novel deep phylogenetic lineage in the class <i>Natranaerobiia</i> ™. <i>Environmental Microbiology</i> , 2021, 23, 3460-3476.	3.8	20
5	Archaeal intact polar lipids in polar waters: a comparison between the Amundsen and Scotia seas. <i>Biogeosciences</i> , 2021, 18, 3485-3504.	3.3	6
6	Lipidomics of Environmental Microbial Communities. I: Visualization of Component Distributions Using Untargeted Analysis of High-Resolution Mass Spectrometry Data. <i>Frontiers in Microbiology</i> , 2021, 12, 659302.	3.5	24
7	Lipidomics of Environmental Microbial Communities. II: Characterization Using Molecular Networking and Information Theory. <i>Frontiers in Microbiology</i> , 2021, 12, 659315.	3.5	11
8	<i>Halapricum desulfuricans</i> sp. nov., carbohydrate-utilizing, sulfur-respiring haloarchaea from hypersaline lakes. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126249.	2.8	14
9	The physiology and metabolic properties of a novel, low-abundance <i>Psychrilyobacter</i> species isolated from the anoxic Black Sea shed light on its ecological role. <i>Environmental Microbiology Reports</i> , 2021, 13, 899-910.	2.4	10
10	Physiological, chemotaxonomic and genomic characterization of two novel piezotolerant bacteria of the family <i>Marinifilaceae</i> isolated from sulfidic waters of the Black Sea. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126122.	2.8	11
11	Biosulfidogenesis Mediates Natural Attenuation in Acidic Mine Pit Lakes. <i>Microorganisms</i> , 2020, 8, 1275.	3.6	19
12	Diagnostic amide products of amino lipids detected in the microaerophilic bacteria <i>Lutibacter</i> during routine fatty acid analysis using gas chromatography. <i>Organic Geochemistry</i> , 2020, 144, 104027.	1.8	3
13	<i>Pontiella desulfatans</i> gen. nov., sp. nov., and <i>Pontiella sulfatireligans</i> sp. nov., Two Marine Anaerobes of the <i>Pontiellaceae</i> fam. nov. Producing Sulfated Glycosaminoglycan-like Exopolymers. <i>Microorganisms</i> , 2020, 8, 920.	3.6	31
14	Global temperature calibration of the Long chain Diol Index in marine surface sediments. <i>Organic Geochemistry</i> , 2020, 142, 103983.	1.8	19
15	The absence of intact polar lipid-derived GDGTs in marine waters dominated by Marine Group II: Implications for lipid biosynthesis in Archaea. <i>Scientific Reports</i> , 2020, 10, 294.	3.3	30
16	Membrane Lipid Composition of the Moderately Thermophilic Ammonia-Oxidizing Archaeon <i>Candidatus Nitrosotenuis uzonensis</i> at Different Growth Temperatures. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	31
17	Biomarker evidence for nitrogen-fixing cyanobacterial blooms in a brackish surface layer in the Nile River plume during sapropel deposition. <i>Geology</i> , 2019, 47, 1088-1092.	4.4	14
18	Fatty Acid and Hopanoid Adaption to Cold in the Methanotroph <i>Methylovulum psychrotolerans</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 589.	3.5	35

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19	New Insights Into the Polar Lipid Composition of Extremely Halo(alkali)philic Euryarchaea From Hypersaline Lakes. <i>Frontiers in Microbiology</i> , 2019, 10, 377.	3.5	48
20	<i>Natrarchaeobius chitinivorans</i> gen. nov., sp. nov., and <i>Natrarchaeobius halalkaliphilus</i> sp. nov., alkaliphilic, chitin-utilizing haloarchaea from hypersaline alkaline lakes. <i>Systematic and Applied Microbiology</i> , 2019, 42, 309-318.	2.8	31
21	<i>Halococcoides cellulovorans</i> gen. nov., sp. nov., an extremely halophilic cellulose-utilizing haloarchaeon from hypersaline lakes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1327-1335.	1.7	22
22	<i>Natronolimnobius sulfurireducens</i> sp. nov. and <i>Halalkaliarchaeum desulfuricum</i> gen. nov., sp. nov., the first sulfur-respiring alkaliphilic haloarchaea from hypersaline alkaline lakes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2662-2673.	1.7	30
23	<i>Natronobiforma cellulositropha</i> gen. nov., sp. nov., a novel haloalkaliphilic member of the family Natrialbaeaceae (class Halobacteria) from hypersaline alkaline lakes. <i>Systematic and Applied Microbiology</i> , 2018, 41, 355-362.	2.8	35
24	A quest for the biological sources of long chain alkyl diols in the western tropical North Atlantic Ocean. <i>Biogeosciences</i> , 2018, 15, 5951-5968.	3.3	30
25	C&lt;sub&gt;5&lt;/sub&gt; glycolipids of heterocystous cyanobacteria track symbiont abundance in the diatom &lt;i&gt;Hemiaulus hauckii&lt;/i&gt; across the tropical North Atlantic. <i>Biogeosciences</i> , 2018, 15, 1229-1241.	3.3	10
26	A novel heterocyst glycolipid detected in a pelagic N <sub>2</sub> -fixing cyanobacterium of the genus <i>Calothrix</i> . <i>Organic Geochemistry</i> , 2018, 123, 44-47.	1.8	12
27	A method for quantifying heterocyst glycolipids in biomass and sediments. <i>Organic Geochemistry</i> , 2017, 110, 33-35.	1.8	5
28	The Holocene sedimentary record of cyanobacterial glycolipids in the Baltic Sea: an evaluation of their application as tracers of past nitrogen fixation. <i>Biogeosciences</i> , 2017, 14, 5789-5804.	3.3	13
29	Seasonal changes in the D&lt;sup&gt;-1&lt;/sup&gt;/&lt;sup&gt;-1&lt;/sup&gt;H ratio of fatty acids of pelagic microorganisms in the coastal North Sea. <i>Biogeosciences</i> , 2016, 13, 5527-5539.	3.3	11
30	Increasing P limitation and viral infection impact lipid remodeling of the picophytoplankter &lt;i&gt;Micromonas pusilla&lt;/i&gt;. <i>Biogeosciences</i> , 2016, 13, 1667-1676.	3.3	13
31	Impact of trophic state on the distribution of intact polar lipids in surface waters of lakes. <i>Limnology and Oceanography</i> , 2016, 61, 1065-1077.	3.1	16
32	Long chain glycolipids with pentose head groups as biomarkers for marine endosymbiotic heterocystous cyanobacteria. <i>Organic Geochemistry</i> , 2015, 81, 1-7.	1.8	17
33	Chlorophyll-a transformations associated with sinking diatoms during termination of a North Atlantic spring bloom. <i>Marine Chemistry</i> , 2015, 172, 23-33.	2.3	9
34	Seasonality and depth distribution of the abundance and activity of ammonia oxidizing microorganisms in marine coastal sediments (North Sea). <i>Frontiers in Microbiology</i> , 2014, 5, 472.	3.5	42
35	Diversity and distribution of a key sulpholipid biosynthetic gene in marine microbial assemblages. <i>Environmental Microbiology</i> , 2014, 16, 774-787.	3.8	14
36	Critical Assessment of Glyco- and Phospholipid Separation by Using Silica Chromatography. <i>Applied and Environmental Microbiology</i> , 2014, 80, 360-365.	3.1	33

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37	Occurrence and activity of anammox bacteria in surface sediments of the southern North Sea. <i>FEMS Microbiology Ecology</i> , 2014, 89, 99-110.	2.7	52
38	Type I and Type II chlorophyll-a transformation products associated with algal senescence. <i>Organic Geochemistry</i> , 2011, 42, 451-464.	1.8	14
39	Atmospheric pressure chemical ionisation liquid chromatography/mass spectrometry of type II chlorophyll-a transformation products: Diagnostic fragmentation patterns. <i>Organic Geochemistry</i> , 2010, 41, 473-481.	1.8	14
40	Organic geochemical changes in Pliocene sediments of ODP Site 1083 (Benguela Upwelling System). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 280, 119-131.	2.3	10
41	The response of carotenoids and chlorophylls during virus infection of <i>Emiliania huxleyi</i> (Prymnesiophyceae). <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 344, 101-112.	1.5	28