Nicole J Bale

List of Publications by Year
in descending order

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	Occurrence and activity of anammox bacteria in surface sediments of the southern North Sea. FEMS Microbiology Ecology, 2014, 89, 99-110.	2.7	52
2	New Insights Into the Polar Lipid Composition of Extremely Halo(alkali)philic Euryarchaea From Hypersaline Lakes. Frontiers in Microbiology, 2019, 10, 377.	3.5	48
3	Seasonality and depth distribution of the abundance and activity of ammonia oxidizing microorganisms in marine coastal sediments (North Sea). Frontiers in Microbiology, 2014, 5, 472.	3.5	42
4	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.	2.8	35
5	Fatty Acid and Hopanoid Adaption to Cold in the Methanotroph Methylovulum psychrotolerans. Frontiers in Microbiology, 2019, 10, 589.	3.5	35
6	Critical Assessment of Glyco- and Phospholipid Separation by Using Silica Chromatography. Applied and Environmental Microbiology, 2014, 80, 360-365.	3.1	33
7	Membrane Lipid Composition of the Moderately Thermophilic Ammonia-Oxidizing Archaeon â€œ Candidatus Nitrosotenuis uzonensisâ€•at Different Growth Temperatures. Applied and Environmental Microbiology, 2019, 85, .	3.1	31
8	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.	2.8	31
9	Pontiella desulfatans gen. nov., sp. nov., and Pontiella sulfatireligans sp. nov., Two Marine Anaerobes of the Pontiellaceae fam. nov. Producing Sulfated Glycosaminoglycan-like Exopolymers. Microorganisms, 2020, 8, 920.	3.6	31
10	A quest for the biological sources of long chain alkyl diols in the western tropical North Atlantic Ocean. Biogeosciences, 2018, 15, 5951-5968.	3.3	30
11	The absence of intact polar lipid-derived GDGTs in marine waters dominated by Marine Group II: Implications for lipid biosynthesis in Archaea. Scientific Reports, 2020, 10, 294.	3.3	30
12	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.	1.7	30
13	The response of carotenoids and chlorophylls during virus infection of Emiliania huxleyi (Prymnesiophyceae). Journal of Experimental Marine Biology and Ecology, 2007, 344, 101-112.	1.5	28
14	Lipidomics of Environmental Microbial Communities. I: Visualization of Component Distributions Using Untargeted Analysis of High-Resolution Mass Spectrometry Data. Frontiers in Microbiology, 2021, 12, 659302.	3.5	24
15	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.	1.7	22
16	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.	3.8	20
17	Biosulfidogenesis Mediates Natural Attenuation in Acidic Mine Pit Lakes. Microorganisms, 2020, 8, 1275.	3.6	19
18	Global temperature calibration of the Long chain Diol Index in marine surface sediments. Organic Geochemistry, 2020, 142, 103983.	1.8	19

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19	Long chain glycolipids with pentose head groups as biomarkers for marine endosymbiotic heterocystous cyanobacteria. Organic Geochemistry, 2015, 81, 1-7.	1.8	17
20	Impact of trophic state on the distribution of intact polar lipids in surface waters of lakes. Limnology and Oceanography, 2016, 61, 1065-1077.	3.1	16
21	Atmospheric pressure chemical ionisation liquid chromatography/mass spectrometry of type II chlorophyll-a transformation products: Diagnostic fragmentation patterns. Organic Geochemistry, 2010, 41, 473-481.	1.8	14
22	Type I and Type II chlorophyll-a transformation products associated with algal senescence. Organic Geochemistry, 2011, 42, 451-464.	1.8	14
23	Diversity and distribution of a key sulpholipid biosynthetic gene in marine microbial assemblages. Environmental Microbiology, 2014, 16, 774-787.	3.8	14
24	Biomarker evidence for nitrogen-fixing cyanobacterial blooms in a brackish surface layer in the Nile River plume during sapropel deposition. Geology, 2019, 47, 1088-1092.	4.4	14
25	Halapricum desulfuricans sp. nov., carbohydrate-utilizing, sulfur-respiring haloarchaea from hypersaline lakes. Systematic and Applied Microbiology, 2021, 44, 126249.	2.8	14
26	Increasing P limitation and viral infection impact lipid remodeling of the picophytoplankter <i>Micromonas pusilla</i>. Biogeosciences, 2016, 13, 1667-1676.	3.3	13
27	The Holocene sedimentary record of cyanobacterial glycolipids in the Baltic Sea: an evaluation of their application as tracers of past nitrogen fixation. Biogeosciences, 2017, 14, 5789-5804.	3.3	13
28	A novel heterocyst glycolipid detected in a pelagic N2-fixing cyanobacterium of the genus Calothrix. Organic Geochemistry, 2018, 123, 44-47.	1.8	12
29	Seasonal changes in the Dâ€¯â€¯/â€¯â€¯H ratio of fatty acids of pelagic microorganisms in the coastal North Sea. Biogeosciences, 2016, 13, 5527-5539.	3.3	11
30	Physiological, chemotaxonomic and genomic characterization of two novel piezotolerant bacteria of the family Marinifilaceae isolated from sulfidic waters of the Black Sea. Systematic and Applied Microbiology, 2020, 43, 126122.	2.8	11
31	Lipidomics of Environmental Microbial Communities. II: Characterization Using Molecular Networking and Information Theory. Frontiers in Microbiology, 2021, 12, 659315.	3.5	11
32	Organic geochemical changes in Pliocene sediments of ODP Site 1083 (Benguela Upwelling System). Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 280, 119-131.	2.3	10
33	C₅ glycolipids of heterocystous cyanobacteria track symbiont abundance in the diatom <i>Hemiaulus hauckii</i> across the tropical North Atlantic. Biogeosciences, 2018, 15, 1229-1241.	3.3	10
34	The physiology and metabolic properties of a novel, lowâ€abundance Psychrilyobacter species isolated from the anoxic Black Sea shed light on its ecological role. Environmental Microbiology Reports, 2021, 13, 899-910.	2.4	10
35	Chlorophyll-a transformations associated with sinking diatoms during termination of a North Atlantic spring bloom. Marine Chemistry, 2015, 172, 23-33.	2.3	9
36	Changes in the Distribution of Membrane Lipids during Growth of Thermotoga maritima at Different Temperatures: Indications for the Potential Mechanism of Biosynthesis of Ether-Bound Diabolic Acid (Membrane-Spanning) Lipids. Applied and Environmental Microbiology, 2022, 88, AEM0176321.	3.1	8

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37	Archaeal intact polar lipids in polar waters: a comparison between the Amundsen and Scotia seas. Biogeosciences, 2021, 18, 3485-3504.	3.3	6
38	Acetate Degradation at Low pH by the Moderately Acidophilic Sulfate Reducer Acididesulfobacillus acetoxydans gen. nov. sp. nov.. Frontiers in Microbiology, 2022, 13, 816605.	3.5	6
39	A method for quantifying heterocyst glycolipids in biomass and sediments. Organic Geochemistry, 2017, 110, 33-35.	1.8	5
40	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.	2.8	4
41	Diagnostic amide products of amino lipids detected in the microaerophilic bacteria Lutibacter during routine fatty acid analysis using gas chromatography. Organic Geochemistry, 2020, 144, 104027.	1.8	3