Brook L Nunn

List of Publications by Year
in descending order

52 papers	2,268 citations	331670 21 h-index	243625 44 g-index
58 all docs	58 docs citations	58 times ranked	3635 citing authors

#	Article	IF	Citations
1	Shotgun Proteomics Identifies Active Metabolic Pathways in Bleached Coral Tissue and Intraskeletal Compartments. Frontiers in Marine Science, 2022, 9, .	2.5	3
2	The ongoing need for rates: can physiology and omics come together to co-design the measurements needed to understand complex ocean biogeochemistry?. Journal of Plankton Research, 2022, 44, 485-495.	1.8	10
3	Transitioning global change experiments on Southern Ocean phytoplankton from lab to field settings: Insights and challenges. Limnology and Oceanography, 2022, 67, 1911-1930.	3.1	4
4	Physiological and molecular responses of lobe coral indicate nearshore adaptations to anthropogenic stressors. Scientific Reports, 2021, 11, 3423.	3.3	18
5	Coupled microbiome analyses highlights relative functional roles of bacteria in a bivalve hatchery. Environmental Microbiomes, 2021, 16, 7.	5.0	7
6	Subzero, saline incubations of Colwellia psychrerythraea reveal strategies and biomarkers for sustained life in extreme icy environments. Environmental Microbiology, 2021, 23, 3840-3866.	3.8	10
7	Bacterial Quorum-Sensing Signal Arrests Phytoplankton Cell Division and Impacts Virus-Induced Mortality. MSphere, 2021, 6, .	2.9	16
8	Microbial metabolism and adaptations in Atribacteriaâ€dominated methane hydrate sediments. Environmental Microbiology, 2021, 23, 4646-4660.	3.8	20
9	The Skyline ecosystem: Informatics for quantitative mass spectrometry proteomics. Mass Spectrometry Reviews, 2020, 39, 229-244.	5.4	469
10	Metaproteomics reveal that rapid perturbations in organic matter prioritize functional restructuring over taxonomy in western Arctic Ocean microbiomes. ISME Journal, 2020, 14, 39-52.	9.8	21
11	A Sectioning and Database Enrichment Approach for Improved Peptide Spectrum Matching in Large, Genome-Guided Protein Sequence Databases. Journal of Proteome Research, 2020, 19, 2772-2785.	3.7	22
12	Novel insights into the taxonomic diversity and molecular mechanisms of bacterial Mn(<scp>III</scp>) reduction. Environmental Microbiology Reports, 2020, 12, 583-593.	2.4	4
13	Assessing Protein Sequence Database Suitability Using De Novo Sequencing. Molecular and Cellular Proteomics, 2020, 19, 198-208.	3.8	21
14	Survey of metaproteomics software tools for functional microbiome analysis. PLoS ONE, 2020, 15, e0241503.	2.5	28
15	Survey of metaproteomics software tools for functional microbiome analysis. , 2020, 15, e0241503.		0
16	Survey of metaproteomics software tools for functional microbiome analysis. , 2020, 15, e0241503.		0
17	Survey of metaproteomics software tools for functional microbiome analysis. , 2020, 15, e0241503.		0
18	Survey of metaproteomics software tools for functional microbiome analysis. , 2020, 15, e0241503.		0

#	Article	IF	Citations
19	Survey of metaproteomics software tools for functional microbiome analysis. , 2020, 15, e0241503.		0
20	Survey of metaproteomics software tools for functional microbiome analysis. , 2020, 15, e0241503.		0
21	Progress and Challenges in Ocean Metaproteomics and Proposed Best Practices for Data Sharing. Journal of Proteome Research, 2019, 18, 1461-1476.	3.7	73
22	Pacific geoduck (Panopea generosa) resilience to natural pH variation. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 30, 91-101.	1.0	9
23	Growth phase proteomics of the heterotrophic marine bacterium Ruegeria pomeroyi. Scientific Data, 2019, 6, 303.	5.3	1
24	Diversity of Psychrophilic Bacteria in Sea and Glacier Ice Environmentsâ€"Insights Through Genomics, Metagenomics, and Proteomics Approaches. , 2019, , 197-216.		15
25	Differential impacts of individual and combined exposures of deoxynivalenol and zearalenone on the HepaRG human hepatic cell proteome. Journal of Proteomics, 2018, 173, 89-98.	2.4	10
26	MetaGOmics: A Web-Based Tool for Peptide-Centric Functional and Taxonomic Analysis of Metaproteomics Data. Proteomes, 2018, 6, 2.	3.5	43
27	Disseminating Metaproteomic Informatics Capabilities and Knowledge Using the Galaxy-P Framework. Proteomes, 2018, 6, 7.	3.5	39
28	MS analysis of a dilution series of bacteria:phytoplankton to improve detection of low abundance bacterial peptides. Scientific Reports, 2018, 8, 9276.	3.3	4
29	Integrating Discovery-driven Proteomics and Selected Reaction Monitoring To Develop a Noninvasive Assay for Geoduck Reproductive Maturation. Journal of Proteome Research, 2017, 16, 3298-3309.	3.7	18
30	Critical decisions in metaproteomics: achieving high confidence protein annotations in a sea of unknowns. ISME Journal, 2017, 11, 309-314.	9.8	93
31	An Alignment-Free â€œMetapeptideâ€•Strategy for Metaproteomic Characterization of Microbiome Samples Using Shotgun Metagenomic Sequencing. Journal of Proteome Research, 2016, 15, 2697-2705.	3.7	67
32	Physiological responses of a Southern Ocean diatom to complex future ocean conditions. Nature Climate Change, 2016, 6, 207-213.	18.8	153
33	Proteomics of <scp>C</scp>olwellia psychrerythraea at subzero temperatures â€“ a life with limited movement, flexible membranes and vital DNA repair. Environmental Microbiology, 2015, 17, 2319-2335.	3.8	46
34	Suspended marine particulate proteins in coastal and oligotrophic waters. Journal of Marine Systems, 2015, 143, 39-48.	2.1	15
35	Shotgun proteomics reveals physiological response to ocean acidification in Crassostrea gigas. BMC Genomics, 2014, 15, 951.	2.8	103
36	Metabolomics and proteomics reveal impacts of chemically mediated competition on marine plankton. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9009-9014.	7.1	112

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37	Electrophoretic Extraction and Proteomic Characterization of Proteins Buried in Marine Sediments. Chromatography (Basel), 2014, 1, 176-193.	1.2	6
38	Sample Preparation and Processing for Planktonic Microbial Community Proteomics. Methods in Enzymology, 2013, 531, 271-287.	1.0	4
39	Sulfur oxidizers dominate carbon fixation at a biogeochemical hot spot in the dark ocean. ISME Journal, 2013, 7, 2349-2360.	9.8	62
40	Shotgun proteomics as a viable approach for biological discovery in the Pacific oyster. , 2013, 1, cot009-cot009.		8
41	Diatom Proteomics Reveals Unique Acclimation Strategies to Mitigate Fe Limitation. PLoS ONE, 2013, 8, e75653.	2.5	86
42	Evaluation of electrophoretic protein extraction and database-driven protein identification from marine sediments. Limnology and Oceanography: Methods, 2012, 10, 353-366.	2.0	10
43	Identifying and tracking proteins through the marine water column: Insights into the inputs and preservation mechanisms of protein in sediments. Geochimica Et Cosmochimica Acta, 2012, 83, 324-359.	3.9	44
44	Detection of hydroxamate siderophores in coastal and Sub-Antarctic waters off the South Eastern Coast of New Zealand. Marine Chemistry, 2011, 126, 97-107.	2.3	81
45	The path to preservation: Using proteomics to decipher the fate of diatom proteins during microbial degradation. Limnology and Oceanography, 2010, 55, 1790-1804.	3.1	22
46	Comparative metaproteomics reveals ocean-scale shifts in microbial nutrient utilization and energy transduction. ISME Journal, 2010, 4, 673-685.	9.8	244
47	Acquisition of Iron by Alkaliphilic Bacillus Species. Applied and Environmental Microbiology, 2010, 76, 6955-6961.	3.1	33
48	Tandem mass spectrometry investigation of ADP-ribosylated kemptide. Journal of the American Society for Mass Spectrometry, 2009, 20, 477-483.	2.8	39
49	Deciphering diatom biochemical pathways via whole-cell proteomics. Aquatic Microbial Ecology, 2009, 55, 241-253.	1.8	48
50	Comparison of a Salmonella typhimurium proteome defined by shotgun proteomics directly on an LTQ-FT and by proteome pre-fractionation on an LCQ-DUO. Briefings in Functional Genomics & Proteomics, 2006, 5, 154-168.	3.8	16
51	A comparison of non-hydrolytic methods for extracting amino acids and proteins from coastal marine sediments. Marine Chemistry, 2006, 98, 31-42.	2.3	29
52	What is the oxygen exposure time of laterally transported organic matter along the Washington margin?. Marine Chemistry, 2004, 92, 157-165.	2.3	73