Lucie Bittner

List of Publications by Year
in descending order

35 papers	9,993 citations	201674 27 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	11691 citing authors

#	Article	IF	Citations
1	A communal catalogue reveals Earthâ€™s multiscale microbial diversity. Nature, 2017, 551, 457-463.	27.8	1,942
2	Eukaryotic plankton diversity in the sunlit ocean. Science, 2015, 348, 1261605.	12.6	1,551
3	The Protist Ribosomal Reference database (PR2): a catalog of unicellular eukaryote Small Sub-Unit rRNA sequences with curated taxonomy. Nucleic Acids Research, 2012, 41, D597-D604.	14.5	1,463
4	Determinants of community structure in the global plankton interactome. Science, 2015, 348, 1262073.	12.6	842
5	Plankton networks driving carbon export in the oligotrophic ocean. Nature, 2016, 532, 465-470.	27.8	670
6	Insights into global diatom distribution and diversity in the worldâ€™s ocean. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1516-25.	7.1	561
7	Influence of diatom diversity on the ocean biological carbon pump. Nature Geoscience, 2018, 11, 27-37.	12.9	451
8	Patterns of Rare and Abundant Marine Microbial Eukaryotes. Current Biology, 2014, 24, 813-821.	3.9	450
9	Marine protist diversity in <scp>E</scp>uropean coastal waters and sediments as revealed by highâ€throughput sequencing. Environmental Microbiology, 2015, 17, 4035-4049.	3.8	384
10	Environmental characteristics of Agulhas rings affect interocean plankton transport. Science, 2015, 348, 1261447.	12.6	158
11	The evolution of diatoms and their biogeochemical functions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160397.	4.0	134
12	An original mode of symbiosis in open ocean plankton. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18000-18005.	7.1	126
13	Evolutionary history of the Corallinales (Corallinophycidae, Rhodophyta) inferred from nuclear, plastidial and mitochondrial genomes. Molecular Phylogenetics and Evolution, 2011, 61, 697-713.	2.7	119
14	454 Pyrosequencing to Describe Microbial Eukaryotic Community Composition, Diversity and Relative Abundance: A Test for Marine Haptophytes. PLoS ONE, 2013, 8, e74371.	2.5	118
15	Functional traitâ€based approaches as a common framework for aquatic ecologists. Limnology and Oceanography, 2021, 66, 965-994.	3.1	99
16	Benthic protists: the under-charted majority. FEMS Microbiology Ecology, 2016, 92, fiw120.	2.7	94
17	Seasonal diversity and dynamics of haptophytes in the <scp>S</scp>kagerrak, <scp>N</scp>orway, explored by highâ€throughput sequencing. Molecular Ecology, 2015, 24, 3026-3042.	3.9	90
18	Multigene phylogenetic analyses support recognition of the Sporolithales ord. nov.. Molecular Phylogenetics and Evolution, 2010, 54, 302-305.	2.7	77

#	Article	IF	Citations
19	Communityâ€Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. Global Biogeochemical Cycles, 2019, 33, 391-419.	4.9	76
20	Diversity patterns of uncultured Haptophytes unravelled by pyrosequencing in Naples Bay. Molecular Ecology, 2013, 22, 87-101.	3.9	70
21	Molecular phylogeny of the Dictyotales and their position within the Phaeophyceae, based on nuclear, plastid and mitochondrial DNA sequence data. Molecular Phylogenetics and Evolution, 2008, 49, 211-226.	2.7	69
22	Ocean acidification shows negligible impacts on high-latitude bacterial community structure in coastal pelagic mesocosms. Biogeosciences, 2013, 10, 555-566.	3.3	60
23	Mixotrophic protists display contrasted biogeographies in the global ocean. ISME Journal, 2019, 13, 1072-1083.	9.8	55
24	Species Diversity, Phylogeny and Large Scale Biogeographic Patterns of the Genus Padina (Phaeophyceae, Dictyotales). Journal of Phycology, 2013, 49, 130-142.	2.3	53
25	Some considerations for analyzing biodiversity using integrative metagenomics and gene networks. Biology Direct, 2010, 5, 47.	4.6	50
26	Testing ecological theories with sequence similarity networks: marine ciliates exhibit similar geographic dispersal patterns as multicellular organisms. BMC Biology, 2015, 13, 16.	3.8	42
27	Clade-specific diversification dynamics of marine diatoms since the Jurassic. Nature Ecology and Evolution, 2018, 2, 1715-1723.	7.8	40
28	Effect of elevated CO₂ on the dynamics of particle-attached and free-living bacterioplankton communities in an Arctic fjord. Biogeosciences, 2013, 10, 181-191.	3.3	26
29	The epibiotic life of the cosmopolitan diatom Fragilariopsis doliolus on heterotrophic ciliates in the open ocean. ISME Journal, 2018, 12, 1094-1108.	9.8	26
30	Acclimation of a low iron adapted Ostreococcus strain to iron limitation through cell biomass lowering. Scientific Reports, 2017, 7, 327.	3.3	25
31	A de novo approach to disentangle partner identity and function in holobiont systems. Microbiome, 2018, 6, 105.	11.1	19
32	Towards omics-based predictions of planktonic functional composition from environmental data. Nature Communications, 2021, 12, 4361.	12.8	16
33	A resource-frugal probabilistic dictionary and applications in bioinformatics. Discrete Applied Mathematics, 2020, 274, 92-102.	0.9	13
34	Analysis of the genomic basis of functional diversity in dinoflagellates using a transcriptomeâ€based sequence similarity network. Molecular Ecology, 2018, 27, 2365-2380.	3.9	12
35	Mare Incognitum: A Glimpse into Future Plankton Diversity and Ecology Research. Frontiers in Marine Science, 2017, 4, .	2.5	10