

Jennifer R Brum

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10983774/publications.pdf>

Version: 2024-02-01

25
papers

4,271
citations

430874

18
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

4781
citing authors

#	ARTICLE	IF	CITATIONS
1	Plankton networks driving carbon export in the oligotrophic ocean. <i>Nature</i> , 2016, 532, 465-470.	27.8	670
2	Ecogenomics and potential biogeochemical impacts of globally abundant ocean viruses. <i>Nature</i> , 2016, 537, 689-693.	27.8	629
3	Patterns and ecological drivers of ocean viral communities. <i>Science</i> , 2015, 348, 1261498.	12.6	617
4	Host-linked soil viral ecology along a permafrost thaw gradient. <i>Nature Microbiology</i> , 2018, 3, 870-880.	13.3	372
5	Rising to the challenge: accelerated pace of discovery transforms marine virology. <i>Nature Reviews Microbiology</i> , 2015, 13, 147-159.	28.6	287
6	Seasonal time bombs: dominant temperate viruses affect Southern Ocean microbial dynamics. <i>ISME Journal</i> , 2016, 10, 437-449.	9.8	257
7	Seasonal and interannual variability in sources of nitrogen supporting export in the oligotrophic subtropical North Pacific Ocean. <i>Limnology and Oceanography</i> , 2002, 47, 1595-1607.	3.1	223
8	Depth-stratified functional and taxonomic niche specialization in the "core" and "flexible" Pacific Ocean Virome. <i>ISME Journal</i> , 2015, 9, 472-484.	9.8	180
9	Environmental characteristics of Agulhas rings affect interocean plankton transport. <i>Science</i> , 2015, 348, 1261447.	12.6	158
10	Viral to metazoan marine plankton nucleotide sequences from the Tara Oceans expedition. <i>Scientific Data</i> , 2017, 4, 170093.	5.3	147
11	Global morphological analysis of marine viruses shows minimal regional variation and dominance of non-tailed viruses. <i>ISME Journal</i> , 2013, 7, 1738-1751.	9.8	142
12	Modeling ecological drivers in marine viral communities using comparative metagenomics and network analyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10714-10719.	7.1	109
13	Illuminating structural proteins in viral "dark matter" with metaproteomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2436-2441.	7.1	95
14	Community-Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. <i>Global Biogeochemical Cycles</i> , 2019, 33, 391-419.	4.9	76
15	Lysis, lysogeny and virus-microbe ratios. <i>Nature</i> , 2017, 549, E1-E3.	27.8	69
16	Putative archaeal viruses from the mesopelagic ocean. <i>PeerJ</i> , 2017, 5, e3428.	2.0	46
17	Morphological Characterization of Viruses in the Stratified Water Column of Alkaline, Hypersaline Mono Lake. <i>Microbial Ecology</i> , 2010, 60, 636-643.	2.8	33
18	Microbial Ecology of Oxygen Minimum Zones Amidst Ocean Deoxygenation. <i>Frontiers in Microbiology</i> , 2021, 12, 748961.	3.5	25

#	ARTICLE	IF	CITATIONS
19	An Inexpensive, Accurate, and Precise Wet-Mount Method for Enumerating Aquatic Viruses. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2995-3000.	3.1	23
20	Assembly of a Marine Viral Metagenome after Physical Fractionation. <i>PLoS ONE</i> , 2013, 8, e60604.	2.5	18
21	Viral community analysis in a marine oxygen minimum zone indicates increased potential for viral manipulation of microbial physiological state. <i>ISME Journal</i> , 2022, 16, 972-982.	9.8	17
22	A novel method for the measurement of dissolved deoxyribonucleic acid in seawater. <i>Limnology and Oceanography: Methods</i> , 2004, 2, 248-255.	2.0	16
23	A SALTY DIVIDE WITHIN ASLO?. <i>Limnology and Oceanography Bulletin</i> , 2013, 22, 34-37.	0.4	8
24	A viral reckoning: viruses emerge as essential manipulators of global ecosystems. <i>Environmental Microbiology Reports</i> , 2019, 11, 3-8.	2.4	5
25	Physical fractionation of aquatic viral assemblages. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 150-163.	2.0	4