Jennifer R Brum

List of Publications by Year
in descending order

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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	Viral community analysis in a marine oxygen minimum zone indicates increased potential for viral manipulation of microbial physiological state. ISME Journal, 2022, 16, 972-982.	9.8	17
2	Microbial Ecology of Oxygen Minimum Zones Amidst Ocean Deoxygenation. Frontiers in Microbiology, 2021, 12, 748961.	3.5	25
3	Communityâ€Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. Global Biogeochemical Cycles, 2019, 33, 391-419.	4.9	76
4	A viral reckoning: viruses emerge as essential manipulators of global ecosystems. Environmental Microbiology Reports, 2019, 11, 3-8.	2.4	5
5	Host-linked soil viral ecology along a permafrost thaw gradient. Nature Microbiology, 2018, 3, 870-880.	13.3	372
6	Lysis, lysogeny and virusâ€“microbe ratios. Nature, 2017, 549, E1-E3.	27.8	69
7	Viral to metazoan marine plankton nucleotide sequences from the Tara Oceans expedition. Scientific Data, 2017, 4, 170093.	5.3	147
8	Putative archaeal viruses from the mesopelagic ocean. PeerJ, 2017, 5, e3428.	2.0	46
9	Ecogenomics and potential biogeochemical impacts of globally abundant ocean viruses. Nature, 2016, 537, 689-693.	27.8	629
10	Illuminating structural proteins in viral â€œdark matterâ€•with metaproteomics. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2436-2441.	7.1	95
11	Plankton networks driving carbon export in the oligotrophic ocean. Nature, 2016, 532, 465-470.	27.8	670
12	Seasonal time bombs: dominant temperate viruses affect Southern Ocean microbial dynamics. ISME Journal, 2016, 10, 437-449.	9.8	257
13	An Inexpensive, Accurate, and Precise Wet-Mount Method for Enumerating Aquatic Viruses. Applied and Environmental Microbiology, 2015, 81, 2995-3000.	3.1	23
14	Patterns and ecological drivers of ocean viral communities. Science, 2015, 348, 1261498.	12.6	617
15	Environmental characteristics of Agulhas rings affect interocean plankton transport. Science, 2015, 348, 1261447.	12.6	158
16	Rising to the challenge: accelerated pace of discovery transforms marine virology. Nature Reviews Microbiology, 2015, 13, 147-159.	28.6	287
17	Depth-stratified functional and taxonomic niche specialization in the â€˜coreâ€™ and â€˜flexibleâ€™ Pacific Ocean Virome. ISME Journal, 2015, 9, 472-484.	9.8	180
18	Modeling ecological drivers in marine viral communities using comparative metagenomics and network analyses. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10714-10719.	7.1	109

#	Article	IF	Citations
19	Global morphological analysis of marine viruses shows minimal regional variation and dominance of non-tailed viruses. ISME Journal, 2013, 7, 1738-1751.	9.8	142
20	A SALTY DIVIDE WITHIN ASLO?. Limnology and Oceanography Bulletin, 2013, 22, 34-37.	0.4	8
21	Assembly of a Marine Viral Metagenome after Physical Fractionation. PLoS ONE, 2013, 8, e60604.	2.5	18
22	Physical fractionation of aquatic viral assemblages. Limnology and Oceanography: Methods, 2011, 9, 150-163.	2.0	4
23	Morphological Characterization of Viruses in the Stratified Water Column of Alkaline, Hypersaline Mono Lake. Microbial Ecology, 2010, 60, 636-643.	2.8	33
24	A novel method for the measurement of dissolved deoxyribonucleic acid in seawater. Limnology and Oceanography: Methods, 2004, 2, 248-255.	2.0	16
25	Seasonal and interannual variability in sources of nitrogen supporting export in the oligotrophic subtropical North Pacific Ocean. Limnology and Oceanography, 2002, 47, 1595-1607.	3.1	223