Brandon K Swan

List of Publications by Year
in descending order

39 papers	6,983 citations	218677 26 h-index	302126 39 g-index
42 all docs	42 docs citations	42 times ranked	8415 citing authors

#	Article	IF	Citations
1	A genomic catalog of Earthâ€™s microbiomes. Nature Biotechnology, 2021, 39, 499-509.	17.5	457
2	Procedures for Flow Cytometryâ€Based Sorting of Unfixed Severe Acute Respiratory Syndrome Coronavirus 2 (SARSâ€CoVâ€2) Infected Cells and Other Infectious Agents. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 674-680.	1.5	8
3	Phylogenomics suggests oxygen availability as a driving force in Thaumarchaeota evolution. ISME Journal, 2019, 13, 2150-2161.	9.8	108
4	Novel Impactor and Microsphereâ€Based Assay Used to Measure Containment of Aerosols Generated in a Flow Cytometer Cell Sorter. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 173-182.	1.5	11
5	SAR202 Genomes from the Dark Ocean Predict Pathways for the Oxidation of Recalcitrant Dissolved Organic Matter. MBio, 2017, 8, .	4.1	168
6	Genomic exploration of individual giant ocean viruses. ISME Journal, 2017, 11, 1736-1745.	9.8	40
7	Major role of nitrite-oxidizing bacteria in dark ocean carbon fixation. Science, 2017, 358, 1046-1051.	12.6	229
8	Diverse Marinimicrobia bacteria may mediate coupled biogeochemical cycles along eco-thermodynamic gradients. Nature Communications, 2017, 8, 1507.	12.8	99
9	The Role of Ocean Currents in the Temperature Selection of Plankton: Insights from an Individual-Based Model. PLoS ONE, 2016, 11, e0167010.	2.5	16
10	Single-cell genomics-based analysis of virusâ€“host interactions in marine surface bacterioplankton. ISME Journal, 2015, 9, 2386-2399.	9.8	207
11	Comparing effective population sizes of dominant marine alphaproteobacteria lineages. Environmental Microbiology Reports, 2014, 6, 167-172.	2.4	27
12	Single-cell enabled comparative genomics of a deep ocean SAR11 bathytype. ISME Journal, 2014, 8, 1440-1451.	9.8	119
13	Evolutionary analysis of a streamlined lineage of surface ocean Roseobacters. ISME Journal, 2014, 8, 1428-1439.	9.8	55
14	Marine viruses, a genetic reservoir revealed by targeted viromics. ISME Journal, 2014, 8, 1079-1088.	9.8	83
15	Single-cell genomics shedding light on marine Thaumarchaeota diversification. ISME Journal, 2014, 8, 732-736.	9.8	98
16	Genomic and Metabolic Diversity of Marine Group I Thaumarchaeota in the Mesopelagic of Two Subtropical Gyres. PLoS ONE, 2014, 9, e95380.	2.5	95
17	Insights into the phylogeny and coding potential of microbial dark matter. Nature, 2013, 499, 431-437.	27.8	2,239
18	Prevalent genome streamlining and latitudinal divergence of planktonic bacteria in the surface ocean. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11463-11468.	7.1	328

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19	Unveiling in situ interactions between marine protists and bacteria through single cell sequencing. ISME Journal, 2012, 6, 703-707.	9.8	124
20	High-throughput single-cell sequencing identifies photoheterotrophs and chemoautotrophs in freshwater bacterioplankton. ISME Journal, 2012, 6, 113-123.	9.8	168
21	Capturing Single Cell Genomes of Active Polysaccharide Degraders: An Unexpected Contribution of Verrucomicrobia. PLoS ONE, 2012, 7, e35314.	2.5	236
22	Potential for Chemolithoautotrophy Among Ubiquitous Bacteria Lineages in the Dark Ocean. Science, 2011, 333, 1296-1300.	12.6	510
23	Archaeal and Bacterial Communities Respond Differently to Environmental Gradients in Anoxic Sediments of a California Hypersaline Lake, the Salton Sea. Applied and Environmental Microbiology, 2010, 76, 757-768.	3.1	115
24	Use of Fatty Acid Methyl Ester Profiles for Discrimination ofBacillus cereusT-Strain Spores Grown on Different Media. Applied and Environmental Microbiology, 2010, 76, 1902-1912.	3.1	48
25	Optical characterization of a precipitation event in a moderately hypersaline lake. Geophysical Research Letters, 2010, 37, .	4.0	3
26	Periodic sulfide irruptions impact microbial community structure and diversity in the water column of a hypersaline lake. Aquatic Microbial Ecology, 2010, 60, 97-108.	1.8	3
27	Biodiversity and biogeography of phages in modern stromatolites and thrombolites. Nature, 2008, 452, 340-343.	27.8	251
28	Functional metagenomic profiling of nine biomes. Nature, 2008, 452, 629-632.	27.8	842
29	Phytoplankton dynamics in the Salton Sea, California, 1997â€“1999. Lake and Reservoir Management, 2007, 23, 582-605.	1.3	18
30	Spatial and temporal patterns of transparency and light attenuation in the Salton Sea, California, 1997â€“1999. Lake and Reservoir Management, 2007, 23, 653-662.	1.3	8
31	Ciliate plankton dynamics and survey of ciliate diversity in the Salton Sea, California, 1997â€“1999. Lake and Reservoir Management, 2007, 23, 606-619.	1.3	12
32	Role of the polychaete Neanthes succinea in phosphorus regeneration from sediments in the Salton Sea, California. Hydrobiologia, 2007, 576, 111-125.	2.0	26
33	Influence of river inflows on plankton distribution around the southern perimeter of the Salton Sea, California. Hydrobiologia, 2007, 576, 167-183.	2.0	8
34	Zooplankton life cycles: Direct documentation of pelagic births and deaths relative to diapausing egg production. Limnology and Oceanography, 2004, 49, 1317-1332.	3.1	32
35	Metazooplankton dynamics in the Salton Sea, California, 1997â€“1999. Hydrobiologia, 2002, 473, 103-120.	2.0	33
36	Metazooplankton dynamics in the Salton Sea, California, 1997â€“1999. , 2002, , 103-120.		9

#	Article	IF	Citations
37	Thermal, mixing, and oxygen regimes of the Salton Sea, California, 1997â€“1999. Hydrobiologia, 2001, 466, 159-176.	2.0	67
38	Fish as vectors in the dispersal of Bythotrephes cederstroemi: diapausing eggs survive passage through the gut. Freshwater Biology, 2000, 43, 579-589.	2.4	16
39	Fish as vectors in the dispersal of Bythotrephes cederstroemi: diapausing eggs survive passage through the gut. Freshwater Biology, 2000, 43, 579-589.	2.4	37