Michael E Sieracki

List of Publications by Year
in descending order

57 papers	7,870 citations	109321 35 h-index	149698 56 g-index
59 all docs	59 docs citations	59 times ranked	8501 citing authors

#	Article	IF	Citations
1	Eukaryotic plankton diversity in the sunlit ocean. Science, 2015, 348, 1261605.	12.6	1,551
2	Relationships between cell volume and the carbon and nitrogen content of marine photosynthetic nanoplankton. Limnology and Oceanography, 1992, 37, 1434-1446.	3.1	550
3	Potential for Chemolithoautotrophy Among Ubiquitous Bacteria Lineages in the Dark Ocean. Science, 2011, 333, 1296-1300.	12.6	510
4	RAPID: Research on Automated Plankton Identification. Oceanography, 2007, 20, 172-187.	1.0	409
5	A Holistic Approach to Marine Eco-Systems Biology. PLoS Biology, 2011, 9, e1001177.	5.6	353
6	An imaging-in-flow system for automated analysis of marine microplankton. Marine Ecology - Progress Series, 1998, 168, 285-296.	1.9	328
7	Assembling the Marine Metagenome, One Cell at a Time. PLoS ONE, 2009, 4, e5299.	2.5	320
8	Single-Cell Genomics Reveals Organismal Interactions in Uncultivated Marine Protists. Science, 2011, 332, 714-717.	12.6	283
9	Matching phylogeny and metabolism in the uncultured marine bacteria, one cell at a time. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9052-9057.	7.1	278
10	Spring phytoplankton blooms in the absence of vertical water column stratification. Nature, 1992, 360, 59-62.	27.8	222
11	CELLULAR DNA CONTENT OF MARINE PHYTOPLANKTON USING TWO NEW FLUOROCHROMES: TAXONOMIC AND ECOLOGICAL IMPLICATIONS1. Journal of Phycology, 1997, 33, 527-541.	2.3	206
12	Phylogenetic Diversity and Specificity of Bacteria Closely Associated with Alexandrium spp. and Other Phytoplankton. Applied and Environmental Microbiology, 2005, 71, 3483-3494.	3.1	198
13	High-throughput single-cell sequencing identifies photoheterotrophs and chemoautotrophs in freshwater bacterioplankton. ISME Journal, 2012, 6, 113-123.	9.8	168
14	The others: our biased perspective of eukaryotic genomes. Trends in Ecology and Evolution, 2014, 29, 252-259.	8.7	167
15	Plankton community response to sequential silicate and nitrate depletion during the 1989 North Atlantic spring bloom. Deep-Sea Research Part II: Topical Studies in Oceanography, 1993, 40, 213-225.	1.4	163
16	Exploring the uncultured microeukaryote majority in the oceans: reevaluation of ribogroups within stramenopiles. ISME Journal, 2014, 8, 854-866.	9.8	157
17	Viral to metazoan marine plankton nucleotide sequences from the Tara Oceans expedition. Scientific Data, 2017, 4, 170093.	5.3	147
18	Microzooplankton grazing of primary production at 140Â°W in the equatorial Pacific. Deep-Sea Research Part II: Topical Studies in Oceanography, 1996, 43, 1227-1255.	1.4	133

#	Article	IF	Citations
19	Grazing, growth and mortality of microzooplankton during the 1989 North Atlantic spring bloom at 47Â°N, 18Â°W. Deep-Sea Research Part I: Oceanographic Research Papers, 1993, 40, 1793-1814.	1.4	124
20	Unveiling in situ interactions between marine protists and bacteria through single cell sequencing. ISME Journal, 2012, 6, 703-707.	9.8	124
21	The first methane-oxidizing bacterium from the upper mixing layer of the deep ocean:Methylomonas pelagica sp. nov.. Current Microbiology, 1987, 14, 285-293.	2.2	121
22	Distribution of planktonic aerobic anoxygenic photoheterotrophic bacteria in the northwest Atlantic. Limnology and Oceanography, 2006, 51, 38-46.	3.1	93
23	Capturing diversity of marine heterotrophic protists: one cell at a time. ISME Journal, 2011, 5, 674-684.	9.8	86
24	Flow Cytometric Analysis of 5-Cyano-2,3-Ditolyl Tetrazolium Chloride Activity of Marine Bacterioplankton in Dilution Cultures. Applied and Environmental Microbiology, 1999, 65, 2409-2417.	3.1	85
25	Counting heterotrophic nanoplanktonic protists in cultures and aquatic communities by flow cytometry. Aquatic Microbial Ecology, 2004, 34, 263-277.	1.8	84
26	Overestimation of heterotrophic bacteria in the Sargasso Sea: direct evidence by flow and imaging cytometry. Deep-Sea Research Part I: Oceanographic Research Papers, 1995, 42, 1399-1409.	1.4	76
27	New Approaches and Technologies for Observing Harmful Algal Blooms. Oceanography, 2005, 18, 210-227.	1.0	76
28	Autotrophic picoplankton dynamics in a Chesapeake Bay sub-estuary. Marine Ecology - Progress Series, 1989, 52, 273-285.	1.9	74
29	Nanoplankton and protozoan microzooplankton during the JGOFS North Atlantic Bloom Experiment: 1989 and 1990. Journal of the Marine Biological Association of the United Kingdom, 1994, 74, 427-443.	0.8	73
30	Algorithm to estimate cell biovolume using image analyzed microscopy. Cytometry, 1989, 10, 551-557.	1.8	70
31	Nitrogen and silicon limitation of phytoplankton communities across an urban estuary: The East River-Long Island Sound system. Estuarine, Coastal and Shelf Science, 2006, 68, 127-138.	2.1	61
32	Abundance, biomass and distribution of heterotrophic dinoflagellates during the North Atlantic spring bloom. Deep-Sea Research Part II: Topical Studies in Oceanography, 1993, 40, 227-244.	1.4	57
33	A TRANSIENT BLOOM OF OSTREOCOCCUS (CHLOROPHYTA, PRASINOPHYCEAE) IN WEST NECK BAY, LONG ISLAND, NEW YORK. Journal of Phycology, 2003, 39, 850-854.	2.3	54
34	Accessing the genomic information of unculturable oceanic picoeukaryotes by combining multiple single cells. Scientific Reports, 2017, 7, 41498.	3.3	47
35	Taming the smallest predators of the oceans. ISME Journal, 2013, 7, 351-358.	9.8	44
36	Reconstruction of protein domain evolution using single-cell amplified genomes of uncultured choanoflagellates sheds light on the origin of animals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190088.	4.0	36

#	Article	IF	Citations
37	Pico- and nanoplankton dynamics during bloom initiation of Aureococcus in a Long Island, NY bay. Harmful Algae, 2004, 3, 459-470.	4.8	35
38	Biological and hydrodynamic regulation of the microbial food web in a periodically mixed estuary. Limnology and Oceanography, 1993, 38, 1666-1679.	3.1	32
39	Distributions and fluorochrome-staining properties of submicrometer particles and bacteria in the North Atlantic. Deep-sea Research Part A, Oceanographic Research Papers, 1992, 39, 1919-1929.	1.5	31
40	Specific absorption coefficient and phytoplankton biomass in the southern region of the California Current. Deep-Sea Research Part II: Topical Studies in Oceanography, 2004, 51, 817-826.	1.4	30
41	Single Cell Genomics Reveals Viruses Consumed by Marine Protists. Frontiers in Microbiology, 2020, 11, 524828.	3.5	26
42	Planktonic Microbes in the Gulf of Maine Area. PLoS ONE, 2011, 6, e20981.	2.5	23
43	Targeted Sorting of Single Virus-Infected Cells of the Coccolithophore Emiliania huxleyi. PLoS ONE, 2011, 6, e22520.	2.5	23
44	Ecology of a Chaetoceros socialis Lauder Patch on Georges Bank: Distribution, Microbial Associations, and Grazing Losses. Oceanography, 1998, 11, 30-35.	1.0	19
45	Evaluation of single-cell genomics to address evolutionary questions using three SAGs of the choanoflagellate Monosiga brevicollis. Scientific Reports, 2017, 7, 11025.	3.3	19
46	Comparative genomics reveals new functional insights in uncultured MAST species. ISME Journal, 2021, 15, 1767-1781.	9.8	18
47	Effects of mismatched refractive indices in aquatic flow cytometry. Cytometry, 2001, 44, 173-178.	1.8	16
48	Aerobic anoxygenic phototrophic bacteria and their roles in marine ecosystems. Science Bulletin, 2003, 48, 1064-1068.	1.7	15
49	Niche adaptation promoted the evolutionary diversification of tiny ocean predators. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
50	Single cell ecogenomics reveals mating types of individual cells and ssDNA viral infections in the smallest photosynthetic eukaryotes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190089.	4.0	11
51	Carbon and nitrogen densities of the cultured marine heterotrophic flagellate Paraphysomonas sp.. Journal of Microbiological Methods, 1998, 34, 151-163.	1.6	7
52	Exploring Microdiversity in Novel Kordia sp. (Bacteroidetes) with Proteorhodopsin from the Tropical Indian Ocean via Single Amplified Genomes. Frontiers in Microbiology, 2017, 8, 1317.	3.5	7
53	The Application of Image Analysed Fluorescence Microscopy for Characterising Planktonic Bacteria and Protists. , 1991, , 77-100.		6
54	Lighting up phytoplankton cells with quantum dots. Limnology and Oceanography: Methods, 2008, 6, 653-658.	2.0	4

#	Article	IF	Citations
55	Specific absorption coefficient and phytoplankton biomass in the southern region of the California Current. Deep-Sea Research Part II: Topical Studies in Oceanography, 2004, 51, 817-826.	1.4	3
56	Model-based frequency response characterization of a digital-image analysis system for epifluorescence microscopy. Applied Optics, 1992, 31, 1083.	2.1	2
57	Mediocremonas mediterraneus, a New Member within the Developea. Journal of Eukaryotic Microbiology, 2021, 68, e12825.	1.7	2