

# Daniel Vaultot

## List of Publications by Year in descending order

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165  
papers

20,939  
citations

10389

72  
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10734

138  
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210  
all docs

210  
docs citations

210  
times ranked

12208  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Protist Ribosomal Reference database (PR2): a catalog of unicellular eukaryote Small Sub-Unit rRNA sequences with curated taxonomy. <i>Nucleic Acids Research</i> , 2012, 41, D597-D604.	14.5	1,463
2	<i>Prochlorococcus</i> , a Marine Photosynthetic Prokaryote of Global Significance. <i>Microbiology and Molecular Biology Reviews</i> , 1999, 63, 106-127.	6.6	1,218
3	Enumeration and Cell Cycle Analysis of Natural Populations of Marine Picoplankton by Flow Cytometry Using the Nucleic Acid Stain SYBR Green I. <i>Applied and Environmental Microbiology</i> , 1997, 63, 186-193.	3.1	937
4	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. <i>PLoS Biology</i> , 2014, 12, e1001889.	5.6	885
5	Oceanic 18S rDNA sequences from picoplankton reveal unsuspected eukaryotic diversity. <i>Nature</i> , 2001, 409, 607-610.	27.8	842
6	Enumeration of Marine Viruses in Culture and Natural Samples by Flow Cytometry. <i>Applied and Environmental Microbiology</i> , 1999, 65, 45-52.	3.1	578
7	Mapping of picoeucaryotes in marine ecosystems with quantitative PCR of the 18S rRNA gene. <i>FEMS Microbiology Ecology</i> , 2005, 52, 79-92.	2.7	540
8	Unicellular Cyanobacterium Symbiotic with a Single-Celled Eukaryotic Alga. <i>Science</i> , 2012, 337, 1546-1550.	12.6	460
9	The importance of <i>Prochlorococcus</i> to community structure in the central North Pacific Ocean. <i>Limnology and Oceanography</i> , 1994, 39, 954-961.	3.1	428
10	Global phylogeography of marine <i>Synechococcus</i> and <i>Prochlorococcus</i> reveals a distinct partitioning of lineages among oceanic biomes. <i>Environmental Microbiology</i> , 2008, 10, 147-161.	3.8	398
11	Marine protist diversity in European coastal waters and sediments as revealed by high-throughput sequencing. <i>Environmental Microbiology</i> , 2015, 17, 4035-4049.	3.8	384
12	The diversity of small eukaryotic phytoplankton (3-4µm) in marine ecosystems. <i>FEMS Microbiology Reviews</i> , 2008, 32, 795-820.	8.6	363
13	Growth of <i>Prochlorococcus</i> , a Photosynthetic Prokaryote, in the Equatorial Pacific Ocean. <i>Science</i> , 1995, 268, 1480-1482.	12.6	340
14	Photosynthetic picoplankton community structure in the subtropical North Pacific Ocean near Hawaii (station ALOHA). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1993, 40, 2043-2060.	1.4	333
15	Clade-Specific 16S Ribosomal DNA Oligonucleotides Reveal the Predominance of a Single Marine <i>Synechococcus</i> Clade throughout a Stratified Water Column in the Red Sea. <i>Applied and Environmental Microbiology</i> , 2003, 69, 2430-2443.	3.1	293
16	<i>Prochlorococcus</i> and <i>Synechococcus</i> : A comparative study of their optical properties in relation to their size and pigmentation. <i>Journal of Marine Research</i> , 1993, 51, 617-649.	0.3	276
17	Annual variability of phytoplankton and bacteria in the subtropical North Pacific Ocean at Station ALOHA during the 1991-1994 ENSO event. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 167-192.	1.4	257
18	A simple method to preserve oceanic phytoplankton for flow cytometric analyses. <i>Cytometry</i> , 1989, 10, 629-635.	1.8	247

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19	A Single Species, <i>Micromonas pusilla</i> (Prasinophyceae), Dominates the Eukaryotic Picoplankton in the Western English Channel. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4064-4072.	3.1	246
20	Diversity of Picoplanktonic Prasinophytes Assessed by Direct Nuclear SSU rDNA Sequencing of Environmental Samples and Novel Isolates Retrieved from Oceanic and Coastal Marine Ecosystems. <i>Protist</i> , 2004, 155, 193-214.	1.5	235
21	BOLIDOMONAS: A NEW GENUS WITH TWO SPECIES BELONGING TO A NEW ALGAL CLASS, THE BOLIDOPHYCEAE (HETEROKONTA). <i>Journal of Phycology</i> , 1999, 35, 368-381.	2.3	225
22	Abundance and diversity of prymnesiophytes in the picoplankton community from the equatorial Pacific Ocean inferred from 18S rDNA sequences. <i>Limnology and Oceanography</i> , 2000, 45, 98-109.	3.1	208
23	Enumeration of Phytoplankton, Bacteria, and Viruses in Marine Samples. <i>Current Protocols in Cytometry</i> , 1999, 10, Unit 11.11.	3.7	203
24	Picobiliphytes: A Marine Picoplanktonic Algal Group with Unknown Affinities to Other Eukaryotes. <i>Science</i> , 2007, 315, 253-255.	12.6	202
25	Phyto<scp>REF</scp>: a reference database of the plastidial 16S <scp>rRNA</scp> gene of photosynthetic eukaryotes with curated taxonomy. <i>Molecular Ecology Resources</i> , 2015, 15, 1435-1445.	4.8	198
26	Ecotype diversity in the marine picoeukaryote <i>Ostreococcus</i> (Chlorophyta, Prasinophyceae). <i>Environmental Microbiology</i> , 2005, 7, 853-859.	3.8	185
27	The ocean sampling day consortium. <i>GigaScience</i> , 2015, 4, 27.	6.4	185
28	Photoacclimation of <i>Prochlorococcus</i> sp. (Prochlorophyta) Strains Isolated from the North Atlantic and the Mediterranean Sea. <i>Plant Physiology</i> , 1993, 101, 285-296.	4.8	182
29	Composition and temporal variability of picoeukaryote communities at a coastal site of the English Channel from 18S rDNA sequences. <i>Limnology and Oceanography</i> , 2004, 49, 784-798.	3.1	178
30	Diel variability of photosynthetic picoplankton in the equatorial Pacific. <i>Journal of Geophysical Research</i> , 1999, 104, 3297-3310.	3.3	177
31	Late summer community composition and abundance of photosynthetic picoeukaryotes in Norwegian and Barents Seas. <i>Limnology and Oceanography</i> , 2005, 50, 1677-1686.	3.1	177
32	Winter presence of prochlorophytes in surface waters of the northwestern Mediterranean Sea. <i>Limnology and Oceanography</i> , 1990, 35, 1156-1164.	3.1	165
33	The life cycle of <i>Phaeocystis</i> (Prymnesiophyceae): evidence and hypotheses. <i>Journal of Marine Systems</i> , 1994, 5, 23-39.	2.1	164
34	Marine phytoplankton distributions measured using shipboard flow cytometry. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1985, 32, 1273-1280.	1.5	160
35	Application of the novel nucleic acid dyes YOYO-1, YO-PRO-1, and PicoGreen for flow cytometric analysis of marine prokaryotes. <i>Applied and Environmental Microbiology</i> , 1996, 62, 1649-1655.	3.1	160
36	Coexistence of phycoerythrin and a chlorophyll a/b antenna in a marine prokaryote.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 11126-11130.	7.1	159

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37	Groups without Cultured Representatives Dominate Eukaryotic Picophytoplankton in the Oligotrophic South East Pacific Ocean. <i>PLoS ONE</i> , 2009, 4, e7657.	2.5	145
38	Phytoplankton distribution and grazing near coral reefs. <i>Limnology and Oceanography</i> , 1998, 43, 551-563.	3.1	139
39	Protistan assemblages across the Indian Ocean, with a specific emphasis on the picoeukaryotes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 1456-1473.	1.4	134
40	MORPHOLOGY, PLOIDY, PIGMENT COMPOSITION, AND GENOME SIZE OF CULTURED STRAINS OF PHAEOCYSTIS (PRYMNESIOPHYCEAE)1. <i>Journal of Phycology</i> , 1994, 30, 1022-1035.	2.3	133
41	Composition of the summer photosynthetic pico and nanoplankton communities in the Beaufort Sea assessed by T-RFLP and sequences of the 18S rRNA gene from flow cytometry sorted samples. <i>ISME Journal</i> , 2012, 6, 1480-1498.	9.8	132
42	Cellular effects of olomoucine, an inhibitor of cyclin-dependent kinases. <i>Biology of the Cell</i> , 1995, 83, 105-120.	2.0	131
43	Effect of Phosphorus on the <i>Synechococcus</i> Cell Cycle in Surface Mediterranean Waters during Summer. <i>Applied and Environmental Microbiology</i> , 1996, 62, 2527-2533.	3.1	130
44	Fluorescent in situ hybridization with rRNA-targeted oligonucleotide probes to identify small phytoplankton by flow cytometry. <i>Applied and Environmental Microbiology</i> , 1995, 61, 2506-2513.	3.1	129
45	Genetic characterisation of <i>Emiliana huxleyi</i> (Haptophyta). <i>Journal of Marine Systems</i> , 1996, 9, 13-31.	2.1	128
46	Variability in particle attenuation and chlorophyll fluorescence in the tropical Pacific: Scales, patterns, and biogeochemical implications. <i>Journal of Geophysical Research</i> , 1999, 104, 3401-3422.	3.3	125
47	Growth and grazing on <i>Prochlorococcus</i> and <i>Synechococcus</i> by two marine ciliates. <i>Limnology and Oceanography</i> , 1999, 44, 52-61.	3.1	121
48	Application of fluorescent in situ hybridization coupled with tyramide signal amplification (FISH-TSA) to assess eukaryotic picoplankton composition. <i>Aquatic Microbial Ecology</i> , 2002, 28, 157-166.	1.8	116
49	Quantitative Assessment of Picoeukaryotes in the Natural Environment by Using Taxon-Specific Oligonucleotide Probes in Association with Tyramide Signal Amplification-Fluorescence In Situ Hybridization and Flow Cytometry. <i>Applied and Environmental Microbiology</i> , 2003, 69, 5519-5529.	3.1	113
50	Wide genetic diversity of picoplanktonic green algae (Chloroplastida) in the Mediterranean Sea uncovered by a phylum-biased PCR approach. <i>Environmental Microbiology</i> , 2008, 10, 1804-1822.	3.8	112
51	Effects of Environmental Stresses on the Cell Cycle of Two Marine Phytoplankton Species. <i>Plant Physiology</i> , 1986, 80, 918-925.	4.8	111
52	DIEL PATTERNS OF GROWTH AND DIVISION IN MARINE PICOPLANKTON IN CULTURE. <i>Journal of Phycology</i> , 2001, 37, 357.	2.3	109
53	Rhythmicity of coastal marine picoeukaryotes, bacteria and archaea despite irregular environmental perturbations. <i>ISME Journal</i> , 2019, 13, 388-401.	9.8	105
54	Phytoplankton Cell Counting by Flow Cytometry. , 2005, , 253-267.		104

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55	CHARACTERIZATION OF OCEANIC PHOTOSYNTHETIC PICOEUKARYOTES BY FLOW CYTOMETRY <sup>1</sup> . <i>Journal of Phycology</i> , 1994, 30, 922-935.	2.3	103
56	Comparison of coastal phytoplankton composition estimated from the V4 and V9 regions of the 18S rRNA gene with a focus on photosynthetic groups and especially Chlorophyta. <i>Environmental Microbiology</i> , 2018, 20, 506-520.	3.8	101
57	Picoplankton population dynamics in coastal waters of the northwestern Mediterranean Sea. <i>Limnology and Oceanography</i> , 1998, 43, 1916-1931.	3.1	100
58	Cell-cycle response to nutrient starvation in two phytoplankton species, <i>Thalassiosira weissflogii</i> and <i>Hymenomonas carterae</i> . <i>Marine Biology</i> , 1987, 95, 625-630.	1.5	99
59	Introduction to the special section bio-optical and biogeochemical conditions in the South East Pacific in late 2004: the BIOSOPE program. <i>Biogeosciences</i> , 2008, 5, 679-691.	3.3	96
60	Analysis of photosynthetic picoeukaryote diversity at open ocean sites in the Arabian Sea using a PCR biased towards marine algal plastids. <i>Aquatic Microbial Ecology</i> , 2006, 43, 79-93.	1.8	94
61	Benthic protists: the under-charted majority. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw120.	2.7	94
62	Evaluating the Ribosomal Internal Transcribed Spacer (ITS) as a Candidate Dinoflagellate Barcode Marker. <i>PLoS ONE</i> , 2012, 7, e42780.	2.5	92
63	Chimeric viruses blur the borders between the major groups of eukaryotic single-stranded DNA viruses. <i>Nature Communications</i> , 2013, 4, 2700.	12.8	90
64	Use of flow cytometric sorting to better assess the diversity of small photosynthetic eukaryotes in the English Channel. <i>FEMS Microbiology Ecology</i> , 2010, 72, 165-178.	2.7	89
65	Genetic diversity and habitats of two enigmatic marine alveolate lineages. <i>Aquatic Microbial Ecology</i> , 2006, 42, 277-291.	1.8	88
66	Telonemia, a new protist phylum with affinity to chromist lineages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1833-1842.	2.6	84
67	Diversity and Ecology of Eukaryotic Marine Phytoplankton. <i>Advances in Botanical Research</i> , 2012, 64, 1-53.	1.1	84
68	Light and dark control of the cell cycle in two marine phytoplankton species. <i>Experimental Cell Research</i> , 1986, 167, 38-52.	2.6	82
69	IDENTIFICATION OF THE CLASS PRYMNESIOPHYCEAE AND THE GENUS PHAEOCYSTIS WITH RIBOSOMAL RNA-TARGETED NUCLEIC ACID PROBES DETECTED BY FLOW CYTOMETRY <sup>1</sup> . <i>Journal of Phycology</i> , 1996, 32, 858-868.	2.3	82
70	IDENTIFICATION OF BACTERIA ASSOCIATED WITH DINOFLAGELLATES (DINOPHYCEAE) ALEXANDRIUM SPP. USING TYRAMIDE SIGNAL AMPLIFICATION FLUORESCENTIN SITU HYBRIDIZATION AND CONFOCAL MICROSCOPY <sup>1</sup> . <i>Journal of Phycology</i> , 2002, 38, 404-411.	2.3	81
71	Eukaryotic picoplankton communities of the Mediterranean Sea in summer assessed by molecular approaches (DGGE, TTGE, QPCR). <i>FEMS Microbiology Ecology</i> , 2006, 55, 403-415.	2.7	80
72	Analysis of the <i>hlg</i> gene family in marine and freshwater cyanobacteria. <i>FEMS Microbiology Letters</i> , 2002, 215, 209-219.	1.8	76

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73	Plastid 16S rRNA Gene Diversity among Eukaryotic Picophytoplankton Sorted by Flow Cytometry from the South Pacific Ocean. PLoS ONE, 2011, 6, e18979.	2.5	76
74	Photosynthetic picoeukaryote community structure in the South East Pacific Ocean encompassing the most oligotrophic waters on Earth. Environmental Microbiology, 2009, 11, 3105-3117.	3.8	75
75	Green microalgae in marine coastal waters: The Ocean Sampling Day (OSD) dataset. Scientific Reports, 2018, 8, 14020.	3.3	75
76	Cell Cycle Regulation by Light in Prochlorococcus Strains. Applied and Environmental Microbiology, 2001, 67, 782-790.	3.1	73
77	Oceanic Protists. Oceanography, 2007, 20, 130-134.	1.0	72
78	Structure and seasonal dynamics of the eukaryotic picophytoplankton community in a wind-driven coastal upwelling ecosystem. Limnology and Oceanography, 2011, 56, 2334-2346.	3.1	72
79	An improved protocol for flow cytometry analysis of phytoplankton cultures and natural samples. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 962-968.	1.5	72
80	Diversity and Abundance of Bolidophyceae (Heterokonta) in Two Oceanic Regions. Applied and Environmental Microbiology, 1999, 65, 4528-4536.	3.1	72
81	Cell cycle distributions of prochlorophytes in the north western Mediterranean Sea. Deep-sea Research Part A, Oceanographic Research Papers, 1992, 39, 727-742.	1.5	71
82	The Roscoff Culture Collection (RCC): a collection dedicated to marine picoplankton. Nova Hedwigia, 2004, 79, 49-70.	0.4	71
83	Diversity and oceanic distribution of prasinophytes clade VII, the dominant group of green algae in oceanic waters. ISME Journal, 2017, 11, 512-528.	9.8	70
84	Grazing impact of two small heterotrophic flagellates on Prochlorococcus and Synechococcus. Aquatic Microbial Ecology, 2001, 26, 201-207.	1.8	69
85	Morphological and genetic diversity of Beaufort Sea diatoms with high contributions from the <i>Chaetoceros neogracilis</i> species complex. Journal of Phycology, 2017, 53, 161-187.	2.3	68
86	Whole-genome amplification (WGA) of marine photosynthetic eukaryote populations. FEMS Microbiology Ecology, 2011, 76, 513-523.	2.7	67
87	Revision of the Genus <i>Micromonas</i> Manton et Parke (Chlorophyta, Mamiellophyceae), of the Type Species <i>M. pusilla</i> (Butcher) Manton & Parke and of the Species <i>M. commoda</i> van Baren, Bachy and Worden and Description of Two New Species Based on the Genetic and Phenotypic Characterization of Cultured Isolates. Protist, 2017, 168, 612-635.	1.5	62
88	Metagenomes of the Picoalga <i>Bathycoccus</i> from the Chile Coastal Upwelling. PLoS ONE, 2012, 7, e39648.	2.5	58
89	Diversity and oceanic distribution of the Parmales (Bolidophyceae), a picoplanktonic group closely related to diatoms. ISME Journal, 2016, 10, 2419-2434.	9.8	57
90	Diel Expression of Cell Cycle-Related Genes in Synchronized Cultures of <i>Prochlorococcus</i> sp. Strain PCC 9511. Journal of Bacteriology, 2001, 183, 915-920.	2.2	56

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91	High degree of genetic variation in <i>Prochlorococcus</i> (Prochlorophyta) revealed by RFLP analysis. <i>European Journal of Phycology</i> , 1996, 31, 1-9.	2.0	55
92	Survey of the green picoalga <i>Bathycoccus</i> genomes in the global ocean. <i>Scientific Reports</i> , 2016, 6, 37900.	3.3	54
93	THE CHITINOUS NATURE OF FILAMENTS EJECTED BY PHAEOCYSTIS (PRYMNESIOPHYCEAE) 1. <i>Journal of Phycology</i> , 1997, 33, 666-672.	2.3	53
94	<i>Symbiomonas scintillans</i> gen. et sp. nov. and <i>Picophagus flagellatus</i> gen. et sp. nov. (Heterokonta): Two New Heterotrophic Flagellates of Picoplanktonic Size. <i>Protist</i> , 1999, 150, 383-398.	1.5	53
95	Short-timescale variability of picophytoplankton abundance and cellular parameters in surface waters of the Alboran Sea (western Mediterranean). <i>Journal of Plankton Research</i> , 2002, 24, 635-651.	1.8	53
96	Diversity of cultured photosynthetic flagellates in the northeast Pacific and Arctic Oceans in summer. <i>Biogeosciences</i> , 2012, 9, 4553-4571.	3.3	53
97	Are autotrophs less diverse than heterotrophs in marine picoplankton?. <i>Trends in Microbiology</i> , 2002, 10, 266-267.	7.7	52
98	Phycocyanins in the southern tropical and equatorial Pacific Ocean: Evidence for new cyanobacterial types. <i>Journal of Geophysical Research</i> , 1999, 104, 3311-3321.	3.3	51
99	Effect of phosphorus starvation on the cell cycle of the photosynthetic prokaryote <i>Prochlorococcus</i> spp.. <i>Marine Ecology - Progress Series</i> , 1996, 132, 265-274.	1.9	51
100	MORPHOLOGICAL AND NUCLEAR ANALYSIS OF THE BLOOM-FORMING DINOFLAGELLATES <i>GYRODINIUM</i> CF. <i>AUREOLUM</i> AND <i>GYMNODINIUM NAGASAKIENSE</i> . <i>Journal of Phycology</i> , 1988, 24, 408-415.	2.3	49
101	Effects of inorganic and organic nutrient addition on a coastal microbial community (Isefjord, Tj ETQq1 1 0.784314 rgBT / Overlock 107	1.9	48
102	Molecular analyses of protists in long-term observation programmes – current status and future perspectives. <i>Journal of Plankton Research</i> , 2018, 40, 519-536.	1.8	47
103	Novel diversity within marine Mamiellophyceae (Chlorophyta) unveiled by metabarcoding. <i>Scientific Reports</i> , 2019, 9, 5190.	3.3	46
104	Picoplankton diversity in the South-East Pacific Ocean from cultures. <i>Biogeosciences</i> , 2008, 5, 203-214.	3.3	45
105	Characterization of the single <i>psbA</i> gene of <i>Prochlorococcus marinus</i> CCMP 1375 (Prochlorophyta). <i>Plant Molecular Biology</i> , 1995, 27, 1189-1196.	3.9	43
106	Isolation of Regulated Genes of the Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803 by Differential Display. <i>Journal of Bacteriology</i> , 2000, 182, 5692-5699.	2.2	43
107	Diversity of active marine picoeukaryotes in the Eastern Mediterranean Sea unveiled using photosystem-II <i>psbA</i> transcripts. <i>ISME Journal</i> , 2010, 4, 1044-1052.	9.8	43
108	Diversity and ecology of green microalgae in marine systems: an overview based on 18S rRNA gene sequences. <i>Perspectives in Phycology</i> , 2016, 3, 141-154.	1.9	43

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109	High contribution of Rhizaria (Radiolaria) to vertical export in the California Current Ecosystem revealed by DNA metabarcoding. <i>ISME Journal</i> , 2019, 13, 964-976.	9.8	41
110	<i>Florenciella parvula</i> gen. et sp. nov. (Dictyochophyceae, Heterokontophyta), a small flagellate isolated from the English Channel. <i>Phycologia</i> , 2004, 43, 658-668.	1.4	40
111	Chloropicophyceae, a new class of picophytoplanktonic prasinophytes. <i>Scientific Reports</i> , 2017, 7, 14019.	3.3	40
112	<sc>dinoref</sc>: A curated dinoflagellate (Dinophyceae) reference database for the 18S rRNA gene. <i>Molecular Ecology Resources</i> , 2018, 18, 974-987.	4.8	40
113	A simple model of the growth of phytoplankton populations in light/dark cycles. <i>Journal of Plankton Research</i> , 1987, 9, 345-366.	1.8	39
114	PLOIDY ANALYSIS OF THE TWO MOTILE FORMS OF CHRYSOCHROMULINA POLYLEPIS (PRYMNESIOPHYCEAE)1. <i>Journal of Phycology</i> , 1996, 32, 94-102.	2.3	39
115	<i>Pseudoâ€nitszschia arctica</i> sp. nov., a new coldâ€water cryptic <i>Pseudoâ€nitszschia</i> species within the <i>P.Âpseudodelicatissima</i> complex. <i>Journal of Phycology</i> , 2016, 52, 184-199.	2.3	39
116	pr2â€primers: An 18S rRNA primer database for protists. <i>Molecular Ecology Resources</i> , 2022, 22, 168-179.	4.8	39
117	The initiation of <i>Phaeocystis</i> colonies. <i>Journal of Plankton Research</i> , 1994, 16, 457-470.	1.8	38
118	DNA/RNA Analysis of Phytoplankton by Flow Cytometry. <i>Current Protocols in Cytometry</i> , 2000, 11, Unit 11.12.	3.7	38
119	<i>Prochlorococcus</i> growth rates in the central equatorial Pacific: An application of the Æ' max approach. <i>Journal of Geophysical Research</i> , 1999, 104, 3391-3399.	3.3	37
120	Effects of high light on transcripts of stress-associated genes for the cyanobacteria <i>Synechocystis</i> sp. PCC 6803 and <i>Prochlorococcus</i> MED4 and MIT9313. <i>Microbiology (United Kingdom)</i> , 2004, 150, 1271-1281.	1.8	37
121	Ability of a â€minimumâ€ microbial food web model to reproduce response patterns observed in mesocosms manipulated with N and P, glucose, and Si. <i>Journal of Marine Systems</i> , 2007, 64, 15-34.	2.1	36
122	Two-component systems in <i>Prochlorococcus</i> MED4: Genomic analysis and differential expression under stress. <i>FEMS Microbiology Letters</i> , 2003, 226, 135-144.	1.8	34
123	Estimating microbial populations by flow cytometry: Comparison between instruments. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 750-758.	2.0	34
124	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. <i>Earth System Science Data</i> , 2020, 12, 151-176.	9.9	32
125	Abundance and cellular characteristics of marine <i>Synechococcus</i> spp. in the dilution zone of the Changjiang (Yangtze River, China). <i>Continental Shelf Research</i> , 1988, 8, 1171-1186.	1.8	31
126	Temporal and spatial dynamics of Bacteria, Archaea and protists in equatorial coastal waters. <i>Scientific Reports</i> , 2019, 9, 16390.	3.3	30



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127	Diversity and distribution of haptophytes revealed by environmental sequencing and metabarcoding – a review. <i>Perspectives in Phycology</i> , 2016, 3, 77-91.	1.9	30
128	Divinyl chlorophyll a-specific absorption coefficients and absorption efficiency factors for <i>Prochlorococcus marinus</i> : kinetics of photoacclimation. <i>Marine Ecology - Progress Series</i> , 1999, 188, 21-32.	1.9	30
129	<i>Partenskyella glossopodia</i> gen. et sp. nov., the First Report of a Chlorarachniophyte that Lacks a Pyrenoid. <i>Protist</i> , 2009, 160, 137-150.	1.5	28
130	Bolidophyceae, a Sister Picoplanktonic Group of Diatoms – A Review. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	28
131	A novel species of the marine cyanobacterium <i>Acaryochloris</i> with a unique pigment content and lifestyle. <i>Scientific Reports</i> , 2018, 8, 9142.	3.3	28
132	CELL SIZE DIFFERENTIATION IN THE BLOOM-FORMING DINOFLAGELLATE GYMNODINIUM CF. NAGASAKIENSE1. <i>Journal of Phycology</i> , 1989, 25, 741-750.	2.3	26
133	Small eukaryotic phytoplankton communities in tropical waters off Brazil are dominated by symbioses between Haptophyta and nitrogen-fixing cyanobacteria. <i>ISME Journal</i> , 2018, 12, 1360-1374.	9.8	26
134	Pico and nanoplankton abundance and carbon stocks along the Brazilian Bight. <i>PeerJ</i> , 2016, 4, e2587.	2.0	26
135	<sup>2</sup>: A database of eukaryotic <sup>18S rRNA</sup> metabarcodes with an emphasis on protists. <i>Molecular Ecology Resources</i> , 2022, 22, 3188-3201.	4.8	24
136	Distribution of micro-organisms along a transect in the South-East Pacific Ocean (BIOSOPE cruise) using epifluorescence microscopy. <i>Biogeosciences</i> , 2008, 5, 311-321.	3.3	23
137	The Cell Cycle of Phytoplankton: Coupling Cell Growth to Population Growth. , 1995, , 303-322.		23
138	<i>Prasinoderma singularis</i> sp. nov. (Prasinophyceae, Chlorophyta), a Solitary Coccoid Prasinophyte from the South-East Pacific Ocean. <i>Protist</i> , 2011, 162, 70-84.	1.5	21
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