

Fabrice Not

List of Publications by Year in descending order

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99
papers

18,002
citations

34016

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34900

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123
all docs

123
docs citations

123
times ranked

13845
citing authors

#	ARTICLE	IF	CITATIONS
1	Freshwater protists: unveiling the unexplored in a large floodplain system. <i>Environmental Microbiology</i> , 2022, 24, 1731-1745.	1.8	9
2	Cryptic and abundant marine viruses at the evolutionary origins of Earth's RNA virome. <i>Science</i> , 2022, 376, 156-162.	6.0	124
3	The Ocean Gene Atlas v2.0: online exploration of the biogeography and phylogeny of plankton genes. <i>Nucleic Acids Research</i> , 2022, 50, W516-W526.	6.5	26
4	Functional repertoire convergence of distantly related eukaryotic plankton lineages abundant in the sunlit ocean. <i>Cell Genomics</i> , 2022, 2, 100123.	3.0	70
5	Seasonal dynamics of marine protist communities in tidally mixed coastal waters. <i>Molecular Ecology</i> , 2022, 31, 3761-3783.	2.0	19
6	Intra-genomic rRNA gene variability of Nassellaria and Spumellaria (Rhizaria, Radiolaria) assessed by Sanger, MinION and Illumina sequencing. <i>Environmental Microbiology</i> , 2022, 24, 2979-2993.	1.8	7
7	Planktonic protist diversity across contrasting Subtropical and Subantarctic waters of the southwest Pacific. <i>Progress in Oceanography</i> , 2022, 206, 102809.	1.5	11
8	A community perspective on the concept of marine holobionts: current status, challenges, and future directions. <i>PeerJ</i> , 2021, 9, e10911.	0.9	44
9	No evidence of Phago-mixotrophy in <i>Micromonas</i> polaris (Mamiellophyceae), the Dominant Picophytoplankton Species in the Arctic. <i>Journal of Phycology</i> , 2021, 57, 435-446.	1.0	11
10	Carbon and nitrogen content to biovolume relationships for marine protist of the Rhizaria lineage (Radiolaria and Phaeodaria). <i>Limnology and Oceanography</i> , 2021, 66, 1703-1717.	1.6	8
11	Role of small Rhizaria and diatoms in the pelagic silica production of the Southern Ocean. <i>Limnology and Oceanography</i> , 2021, 66, 2187-2202.	1.6	11
12	The Epistemic Revolution Induced by Microbiome Studies: An Interdisciplinary View. <i>Biology</i> , 2021, 10, 651.	1.3	18
13	A Morpho-molecular Perspective on the Diversity and Evolution of Spumellaria (Radiolaria). <i>Protist</i> , 2021, 172, 125806.	0.6	10
14	Macroscale patterns of oceanic zooplankton composition and size structure. <i>Scientific Reports</i> , 2021, 11, 15714.	1.6	24
15	Compendium of 530 metagenome-assembled bacterial and archaeal genomes from the polar Arctic Ocean. <i>Nature Microbiology</i> , 2021, 6, 1561-1574.	5.9	57
16	Phylogenetic Revision of the Order Entactinaria—Paleozoic Relict Radiolaria (Rhizaria, SAR). <i>Protist</i> , 2020, 171, 125712.	0.6	14
17	Reply to: Sources of C30 steroid biomarkers in Neoproterozoic Cambrian rocks and oils. <i>Nature Ecology and Evolution</i> , 2020, 4, 37-39.	3.4	10
18	Estimating Biogenic Silica Production of Rhizaria in the Global Ocean. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006286.	1.9	24

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19	A dataset on trophic modes of aquatic protists. <i>Biodiversity Data Journal</i> , 2020, 8, e56648.	0.4	26
20	Mixotrophic protists and a new paradigm for marine ecology: where does plankton research go now?. <i>Journal of Plankton Research</i> , 2019, 41, 375-391.	0.8	119
21	Using chemical language to shape future marine health. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 530-537.	1.9	33
22	Gene Expression Changes and Community Turnover Differentially Shape the Global Ocean Metatranscriptome. <i>Cell</i> , 2019, 179, 1068-1083.e21.	13.5	268
23	Global Trends in Marine Plankton Diversity across Kingdoms of Life. <i>Cell</i> , 2019, 179, 1084-1097.e21.	13.5	271
24	Time Calibrated Morpho-molecular Classification of Nassellaria (Radiolaria). <i>Protist</i> , 2019, 170, 187-208.	0.6	21
25	Marine DNA Viral Macro- and Microdiversity from Pole to Pole. <i>Cell</i> , 2019, 177, 1109-1123.e14.	13.5	541
26	Community-Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. <i>Global Biogeochemical Cycles</i> , 2019, 33, 391-419.	1.9	76
27	Diversity of photosynthetic picoeukaryotes in eutrophic shallow lakes as assessed by combining flow cytometry cell-sorting and high throughput sequencing. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	9
28	Putative sponge biomarkers in unicellular Rhizaria question an early rise of animals. <i>Nature Ecology and Evolution</i> , 2019, 3, 577-581.	3.4	57
29	Taming chlorophylls by early eukaryotes underpinned algal interactions and the diversification of the eukaryotes on the oxygenated Earth. <i>ISME Journal</i> , 2019, 13, 1899-1910.	4.4	10
30	Observational Needs Supporting Marine Ecosystems Modeling and Forecasting: From the Global Ocean to Regional and Coastal Systems. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	32
31	Mixotrophic protists display contrasted biogeographies in the global ocean. <i>ISME Journal</i> , 2019, 13, 1072-1083.	4.4	55
32	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.	4.4	41
33	Analysis of the genomic basis of functional diversity in dinoflagellates using a transcriptome-based sequence similarity network. <i>Molecular Ecology</i> , 2018, 27, 2365-2380.	2.0	12
34	A global ocean atlas of eukaryotic genes. <i>Nature Communications</i> , 2018, 9, 373.	5.8	297
35	Symbiont Chloroplasts Remain Active During Bleaching-Like Response Induced by Thermal Stress in <i>Collozoum pelagicum</i> (Collodaria, Retaria). <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	21
36	Diatom diversity through HTS-metabarcoding in coastal European seas. <i>Scientific Reports</i> , 2018, 8, 18059.	1.6	48

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37	Molecular analyses of protists in long-term observation programmes – current status and future perspectives. <i>Journal of Plankton Research</i> , 2018, 40, 519-536.	0.8	47
38	A de novo approach to disentangle partner identity and function in holobiont systems. <i>Microbiome</i> , 2018, 6, 105.	4.9	19
39	Mixotrophy everywhere on land and in water: the <i>grand Åcart</i> hypothesis. <i>Ecology Letters</i> , 2017, 20, 246-263.	3.0	145
40	Dimethylated sulfur compounds in symbiotic protists: A potentially significant source for marine DMS(P). <i>Limnology and Oceanography</i> , 2017, 62, 1139-1154.	1.6	14
41	Biogeography and diversity of Collodaria (Radiolaria) in the global ocean. <i>ISME Journal</i> , 2017, 11, 1331-1344.	4.4	66
42	Middle Ordovician acritarchs and problematic organic-walled microfossils from the Saq-Hanadir transitional beds in the QSIM-801 well, Saudi Arabia. <i>Revue De Micropaleontologie</i> , 2017, 60, 289-318.	0.8	14
43	A new sequence data set of <i>SSU rRNA</i> gene for Scleractinia and its phylogenetic and ecological applications. <i>Molecular Ecology Resources</i> , 2017, 17, 1054-1071.	2.2	13
44	Mare Incognitum: A Glimpse into Future Plankton Diversity and Ecology Research. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	10
45	In situ imaging reveals the biomass of giant protists in the global ocean. <i>Nature</i> , 2016, 532, 504-507.	13.7	210
46	The Evolution of Silicon Transport in Eukaryotes. <i>Molecular Biology and Evolution</i> , 2016, 33, 3226-3248.	3.5	107
47	Photosymbiosis in Marine Pelagic Environments. , 2016, , 305-332.		13
48	Benthic protists: the under-charted majority. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw120.	1.3	94
49	Defining Planktonic Protist Functional Groups on Mechanisms for Energy and Nutrient Acquisition: Incorporation of Diverse Mixotrophic Strategies. <i>Protist</i> , 2016, 167, 106-120.	0.6	290
50	Plankton networks driving carbon export in the oligotrophic ocean. <i>Nature</i> , 2016, 532, 465-470.	13.7	670
51	Open science resources for the discovery and analysis of Tara Oceans data. <i>Scientific Data</i> , 2015, 2, 150023.	2.4	330
52	Marine protist diversity in European coastal waters and sediments as revealed by high-throughput sequencing. <i>Environmental Microbiology</i> , 2015, 17, 4035-4049.	1.8	384
53	Determinants of community structure in the global plankton interactome. <i>Science</i> , 2015, 348, 1262073.	6.0	842
54	Patterns and ecological drivers of ocean viral communities. <i>Science</i> , 2015, 348, 1261498.	6.0	617

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55	Structure and function of the global ocean microbiome. <i>Science</i> , 2015, 348, 1261359.	6.0	2,137
56	Eukaryotic plankton diversity in the sunlit ocean. <i>Science</i> , 2015, 348, 1261605.	6.0	1,551
57	Environmental characteristics of Agulhas rings affect interocean plankton transport. <i>Science</i> , 2015, 348, 1261447.	6.0	158
58	Towards an Integrative Morpho-molecular Classification of the Collodaria (Polycystinea, Radiolaria). <i>Protist</i> , 2015, 166, 374-388.	0.6	49
59	Transcriptome analyses to investigate symbiotic relationships between marine protists. <i>Frontiers in Microbiology</i> , 2015, 6, 98.	1.5	40
60	Molecular Phylogeny of the Widely Distributed Marine Protists, Phaeodaria (Rhizaria, Cercozoa). <i>Protist</i> , 2015, 166, 363-373.	0.6	24
61	Biology and Ecology of Radiolaria. , 2015, , 179-222.		75
62	Intracellular Diversity of the V4 and V9 Regions of the 18S rRNA in Marine Protists (Radiolarians) Assessed by High-Throughput Sequencing. <i>PLoS ONE</i> , 2014, 9, e104297.	1.1	69
63	Patterns of Rare and Abundant Marine Microbial Eukaryotes. <i>Current Biology</i> , 2014, 24, 813-821.	1.8	450
64	<i>B</i> gen. nov. and <i>B</i> . <i>Ânutricula</i> comb. nov. (<i>D</i> inophyceae), a dinoflagellate commonly found in symbiosis with polycystine radiolarians. <i>Journal of Phycology</i> , 2014, 50, 388-399.	1.0	80
65	Mixotrophic haptophytes are key bacterial grazers in oligotrophic coastal waters. <i>ISME Journal</i> , 2014, 8, 164-176.	4.4	227
66	Deep relationships of Rhizaria revealed by phylogenomics: A farewell to Haeckel's Radiolaria. <i>Molecular Phylogenetics and Evolution</i> , 2013, 67, 53-59.	1.2	65
67	A global perspective on marine photosynthetic picoeukaryote community structure. <i>ISME Journal</i> , 2013, 7, 922-936.	4.4	75
68	Taming the smallest predators of the oceans. <i>ISME Journal</i> , 2013, 7, 351-358.	4.4	44
69	Exploring nucleo-cytoplasmic large DNA viruses in Tara Oceans microbial metagenomes. <i>ISME Journal</i> , 2013, 7, 1678-1695.	4.4	185
70	Diversity, Ecology and Biogeochemistry of Cyst-Forming Acantharia (Radiolaria) in the Oceans. <i>PLoS ONE</i> , 2013, 8, e53598.	1.1	66
71	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.	6.5	1,463
72	An original mode of symbiosis in open ocean plankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18000-18005.	3.3	126

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73	Multiple microalgal partners in symbiosis with the acantharian <i>Acanthochiasma</i> sp. (Radiolaria). <i>Symbiosis</i> , 2012, 58, 233-244.	1.2	44
74	Two distinct lineages in the radiolarian Order Spumellaria having different ecological preferences. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 61-64, 172-178.	0.6	16
75	Diversity and Ecology of Eukaryotic Marine Phytoplankton. <i>Advances in Botanical Research</i> , 2012, 64, 1-53.	0.5	84
76	Molecular Phylogeny and Morphological Evolution of the Acantharia (Radiolaria). <i>Protist</i> , 2012, 163, 435-450.	0.6	62
77	Phylogenetic Relationships and Evolutionary Patterns of the Order Collodaria (Radiolaria). <i>PLoS ONE</i> , 2012, 7, e35775.	1.1	25
78	A Holistic Approach to Marine Eco-Systems Biology. <i>PLoS Biology</i> , 2011, 9, e1001177.	2.6	353
79	Distribution and host diversity of Amoebozoa parasites across oligotrophic waters of the Mediterranean Sea. <i>Biogeosciences</i> , 2011, 8, 267-278.	1.3	81
80	<i>Pelagodinium</i> gen. nov. and <i>P. balticum</i> comb. nov., a Dinoflagellate Symbiont of Planktonic Foraminifera. <i>Protist</i> , 2010, 161, 385-399.	0.6	73
81	New Insights into the Diversity of Marine Picoeukaryotes. <i>PLoS ONE</i> , 2009, 4, e7143.	1.1	221
82	Grazing rates and functional diversity of uncultured heterotrophic flagellates. <i>ISME Journal</i> , 2009, 3, 588-596.	4.4	141
83	Green Evolution and Dynamic Adaptations Revealed by Genomes of the Marine Picoeukaryotes <i>Micromonas</i> . <i>Science</i> , 2009, 324, 268-272.	6.0	591
84	Extreme diversity in noncalcifying haptophytes explains a major pigment paradox in open oceans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12803-12808.	3.3	263
85	Acquired phototrophy in aquatic protists. <i>Aquatic Microbial Ecology</i> , 2009, 57, 279-310.	0.9	283
86	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.	1.8	398
87	Ecological niche partitioning in the picoplanktonic green alga <i>Micromonas pusilla</i> : evidence from environmental surveys using phylogenetic probes. <i>Environmental Microbiology</i> , 2008, 10, 2433-2443.	1.8	86
88	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.	0.6	134
89	Picobiliphytes: A Marine Picoplanktonic Algal Group with Unknown Affinities to Other Eukaryotes. <i>Science</i> , 2007, 315, 253-255.	6.0	202
90	Vertical distribution of picoeukaryotic diversity in the Sargasso Sea. <i>Environmental Microbiology</i> , 2007, 9, 1233-1252.	1.8	181

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91	Size-fractionated phytoplankton diversity in the NW Iberian coast: a combination of microscopic, pigment and molecular analyses. <i>Aquatic Microbial Ecology</i> , 2007, 49, 255-265.	0.9	32
92	CACO3OPTICAL DETECTION WITH FLUORESCENTIN SITUHYBRIDIZATION: A NEW METHOD TO IDENTIFY AND QUANTIFY CALCIFYING MICROORGANISMS FROM THE OCEANS1. <i>Journal of Phycology</i> , 2006, 42, 1162-1169.	1.0	14
93	Mapping of picoeucaryotes in marine ecosystems with quantitative PCR of the 18S rRNA gene. <i>FEMS Microbiology Ecology</i> , 2005, 52, 79-92.	1.3	540
94	Late summer community composition and abundance of photosynthetic picoeukaryotes in Norwegian and Barents Seas. <i>Limnology and Oceanography</i> , 2005, 50, 1677-1686.	1.6	177
95	Holococcolithophoreâ€heterococcolithophore (Haptophyta) life cycles: Flow cytometric analysis of relative ploidy levels. <i>Systematics and Biodiversity</i> , 2004, 1, 453-465.	0.5	94
96	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.	1.4	246
97	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.	1.4	113
98	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.	0.9	116
99	Are autotrophs less diverse than heterotrophs in marine picoplankton?. <i>Trends in Microbiology</i> , 2002, 10, 266-267.	3.5	52