

# Ian Probert

## List of Publications by Year in descending order

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76  
papers

7,060  
citations

136950

32  
h-index

102487

66  
g-index

88  
all docs

88  
docs citations

88  
times ranked

6748  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coccolith size rules – What controls the size of coccoliths during coccolithogenesis?. Marine Micropaleontology, 2022, 170, 102080.	1.2	2
2	Planktonic protist diversity across contrasting Subtropical and Subantarctic waters of the southwest Pacific. Progress in Oceanography, 2022, 206, 102809.	3.2	11
3	Role of silicon in the development of complex crystal shapes in coccolithophores. New Phytologist, 2021, 231, 1845-1857.	7.3	24
4	Rappemonads are haptophyte phytoplankton. Current Biology, 2021, 31, 2395-2403.e4.	3.9	22
5	Taxonomic reassignment of <i>Pseudohaptolina birgeri</i> comb. nov. (Haptophyta). Phycologia, 2020, 59, 606-615.	1.4	3
6	Li Partitioning Into Coccoliths of <i>Emiliania huxleyi</i> : Evaluating the General Role of –Vital Effects–in Explaining Element Partitioning in Biogenic Carbonates. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009129.	2.5	6
7	Marine dinoflagellates as a source of new bioactive structures. Studies in Natural Products Chemistry, 2020, , 125-171.	1.8	4
8	Culturable diversity of Arctic phytoplankton during pack ice melting. Elementa, 2020, 8, .	3.2	13
9	Green Edge ice camp campaigns: understanding the processes controlling the under-ice Arctic phytoplankton spring bloom. Earth System Science Data, 2020, 12, 151-176.	9.9	32
10	Repeated species radiations in the recent evolution of the key marine phytoplankton lineage <i>Gephyrocapsa</i> . Nature Communications, 2019, 10, 4234.	12.8	61
11	NMR characterization and evaluation of antibacterial and antiobiofilm activity of organic extracts from stationary phase batch cultures of five marine microalgae ( <i>Dunaliella</i> sp., <i>D. salina</i> , <i>Chaetoceros</i> ) Tj ETQq1 1 02784314 rBT /Over	1.2	4
12	What Is in Store for EPS Microalgae in the Next Decade?. Molecules, 2019, 24, 4296.	3.8	64
13	The private life of coccolithophores. Perspectives in Phycology, 2019, 6, 11-30.	1.9	13
14	Analysis of the genomic basis of functional diversity in dinoflagellates using a transcriptome–based sequence similarity network. Molecular Ecology, 2018, 27, 2365-2380.	3.9	12
15	The requirement for calcification differs between ecologically important coccolithophore species. New Phytologist, 2018, 220, 147-162.	7.3	33
16	A de novo approach to disentangle partner identity and function in holobiont systems. Microbiome, 2018, 6, 105.	11.1	19
17	Haptophyta. , 2017, , 893-953.		9
18	Haptophyta. , 2017, , 1-61.		1

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19	Growth of the coccolithophore <i>Emiliana huxleyi</i> in light- and nutrient-limited batch reactors: relevance for the BIOSOPE deep ecological niche of coccolithophores. <i>Biogeosciences</i> , 2016, 13, 5983-6001.	3.3	30
20	Recent Reticulate Evolution in the Ecologically Dominant Lineage of Coccolithophores. <i>Frontiers in Microbiology</i> , 2016, 7, 784.	3.5	18
21	Haptophyta. , 2016, , 1-61.		11
22	A role for diatom-like silicon transporters in calcifying coccolithophores. <i>Nature Communications</i> , 2016, 7, 10543.	12.8	78
23	Photosymbiosis in Marine Pelagic Environments. , 2016, , 305-332.		13
24	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
25	PhytoREF: a reference database of the plastidial 16S rRNA gene of photosynthetic eukaryotes with curated taxonomy. <i>Molecular Ecology Resources</i> , 2015, 15, 1435-1445.	4.8	198
26	Eukaryotic plankton diversity in the sunlit ocean. <i>Science</i> , 2015, 348, 1261605.	12.6	1,551
27	Morphological and Phylogenetic Characterization of New <i>Gephyrocapsa</i> Isolates Suggests Introgressive Hybridization in the <i>Emiliana/Gephyrocapsa</i> Complex (Haptophyta). <i>Protist</i> , 2015, 166, 323-336.	1.5	18
28	Life-cycle modification in open oceans accounts for genome variability in a cosmopolitan phytoplankton. <i>ISME Journal</i> , 2015, 9, 1365-1377.	9.8	70
29	<i>Phaeocystis rex</i> sp. nov. (Phaeocystales, Prymnesiophyceae): a new solitary species that produces a multilayered scale cell covering. <i>European Journal of Phycology</i> , 2015, 50, 207-222.	2.0	15
30	In Honor of Denis Lamy. <i>Cryptogamie, Algologie</i> , 2015, 36, 127-128.	0.9	1
31	Comparative Transcriptome of Wild Type and Selected Strains of the Microalgae <i>Tisochrysis lutea</i> Provides Insights into the Genetic Basis, Lipid Metabolism and the Life Cycle. <i>PLoS ONE</i> , 2014, 9, e86889.	2.5	52
32	Morphospecies versus Phylospecies Concepts for Evaluating Phytoplankton Diversity: The Case of the Coccolithophores. <i>Cryptogamie, Algologie</i> , 2014, 35, 353-377.	0.9	12
33	The Life Cycle and Taxonomic Affinity of the Coccolithophore <i>Monolithus littoralis</i> (Prymnesiophyceae). <i>Cryptogamie, Algologie</i> , 2014, 35, 389-405.	0.9	1
34	The chimerical and multifaceted marine acoel <i>Symsagittifera roscoffensis</i> : from photosymbiosis to brain regeneration. <i>Frontiers in Microbiology</i> , 2014, 5, 498.	3.5	34
35	<i>Bacillaria paxilliferi</i> gen. nov. and <i>Bacillaria paxilliferi</i> comb. nov. ( <i>Dinophyceae</i> ), a dinoflagellate commonly found in symbiosis with polycystine radiolarians. <i>Journal of Phycology</i> , 2014, 50, 388-399.	2.3	80
36	Genetic delineation between and within the widespread coccolithophore morphospecies <i>Emiliana huxleyi</i> and <i>Gephyrocapsa oceanica</i> (Haptophyta). <i>Journal of Phycology</i> , 2014, 50, 140-148.	2.3	42

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37	Calibration of stable isotope composition of <i>Thoracosphaera heimii</i> (dinoflagellate) calcite for reconstructing paleotemperatures in the intermediate photic zone. <i>Paleoceanography</i> , 2014, 29, 1111-1126.	3.0	12
38	Reproduction in Microalgae. , 2014, , 1-28.		6
39	On the description of <i>Tisochrysis lutea</i> gen. nov. sp. nov. and <i>Isochrysis nuda</i> sp. nov. in the Isochrysidales, and the transfer of <i>Dicrateria</i> to the Prymnesiales (Haptophyta). <i>Journal of Applied Phycology</i> , 2013, 25, 1763-1776.	2.8	169
40	Diversity patterns of uncultured Haptophytes unravelled by pyrosequencing in Naples Bay. <i>Molecular Ecology</i> , 2013, 22, 87-101.	3.9	70
41	Temperature dependence of oxygen isotope fractionation in coccolith calcite: A culture and core top calibration of the genus <i>Calcidiscus</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2013, 100, 264-281.	3.9	33
42	Bioprospecting Marine Plankton. <i>Marine Drugs</i> , 2013, 11, 4594-4611.	4.6	57
43	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
44	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.	7.1	126
45	Multiple microalgal partners in symbiosis with the acantharian <i>Acanthochiasma</i> sp. (Radiolaria). <i>Symbiosis</i> , 2012, 58, 233-244.	2.3	44
46	Diversity and Ecology of Eukaryotic Marine Phytoplankton. <i>Advances in Botanical Research</i> , 2012, 64, 1-53.	1.1	84
47	<i>In situ</i> survey of life cycle phases of the coccolithophore <i>Emiliana huxleyi</i> (Haptophyta). <i>Environmental Microbiology</i> , 2012, 14, 1558-1569.	3.8	62
48	Coccolithophores: Functional Biodiversity, Enzymes and Bioprospecting. <i>Marine Drugs</i> , 2011, 9, 586-602.	4.6	7
49	NEW EVIDENCE FOR MORPHOLOGICAL AND GENETIC VARIATION IN THE COSMOPOLITAN COCCOLITHOPHORE <i>EMILIANA HUXLEYI</i> (PRYMNESIOPHYCEAE) FROM THE <i>COX1b</i> AND <i>ATP4</i> GENES. <i>Journal of Phycology</i> , 2011, 47, 1164-1176.	2.3	74
50	Whole-genome amplification (WGA) of marine photosynthetic eukaryote populations. <i>FEMS Microbiology Ecology</i> , 2011, 76, 513-523.	2.7	67
51	Integrative Taxonomy of the Pavlovophyceae (Haptophyta): A Reassessment. <i>Protist</i> , 2011, 162, 738-761.	1.5	63
52	Ribosomal DNA phylogenies and a morphological revision provide the basis for a revised taxonomy of the Prymnesiales (Haptophyta). <i>European Journal of Phycology</i> , 2011, 46, 202-228.	2.0	87
53	<i>Pelagodinium</i> gen. nov. and <i>P. bÃ©ii</i> comb. nov., a Dinoflagellate Symbiont of Planktonic Foraminifera. <i>Protist</i> , 2010, 161, 385-399.	1.5	73
54	A Time line of the Environmental Genetics of the Haptophytes. <i>Molecular Biology and Evolution</i> , 2010, 27, 161-176.	8.9	64

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55	First observations of heterococcolithophore-holococcolithophore life cycle combinations in the family Pontosphaeraceae (Calcihaptophycideae, Haptophyta). <i>Marine Micropaleontology</i> , 2009, 71, 20-27.	1.2	19
56	COCCOLITH FUNCTION AND MORPHOGENESIS: INSIGHTS FROM APPENDAGE-BEARING COCCOLITHOPHORES OF THE FAMILY SYRACOSPHAERACEAE (HAPTOPHYTA). <i>Journal of Phycology</i> , 2009, 45, 213-226.	2.3	23
57	Transcriptome analysis of functional differentiation between haploid and diploid cells of <i>Emiliana huxleyi</i> , a globally significant photosynthetic calcifying cell. <i>Genome Biology</i> , 2009, 10, R114.	9.6	105
58	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.	7.1	263
59	The "Cheshire Cat" escape strategy of the coccolithophore <i>Emiliana huxleyi</i> in response to viral infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15944-15949.	7.1	184
60	<i>Prymnesium lepailleurii</i> sp. nov. (Prymnesiophyceae), a new littoral flagellate from the Mediterranean Sea. <i>European Journal of Phycology</i> , 2007, 42, 289-294.	2.0	7
61	Origin and Evolution of Coccolithophores: From Coastal Hunters to Oceanic Farmers. , 2007, , 251-285.		89
62	LIGHT AND ELECTRON MICROSCOPE OBSERVATIONS OF ALGIROSPHAERA ROBUSTA (PRYMNESIOPHYCEAE). <i>Journal of Phycology</i> , 2007, 43, 319-332.	2.3	32
63	CALCIFICATION DETECTION WITH FLUORESCENT IN SITU HYBRIDIZATION: A NEW METHOD TO IDENTIFY AND QUANTIFY CALCIFYING MICROORGANISMS FROM THE OCEANS. <i>Journal of Phycology</i> , 2006, 42, 1162-1169.	2.3	14
64	Microsatellite cross-amplification in coccolithophores: application in population diversity studies. <i>Hereditas</i> , 2006, 143, 99-102.	1.4	4
65	The ultrastructure and life cycle of the coastal coccolithophore <i>Ochrosphaera neapolitana</i> (Prymnesiophyceae). <i>European Journal of Phycology</i> , 2005, 40, 105-122.	2.0	30
66	Holococcolithophore-heterococcolithophore (Haptophyta) life cycles: Flow cytometric analysis of relative ploidy levels. <i>Systematics and Biodiversity</i> , 2004, 1, 453-465.	1.2	94
67	Pigment diversity of coccolithophores in relation to taxonomy, phylogeny and ecological preferences. , 2004, , 51-73.		16
68	A review of the phylogeny of the Haptophyta. , 2004, , 251-269.		29
69	The Laboratory Culture of Coccolithophores. , 2004, , 217-249.		24
70	Structure and morphogenesis of the coccoliths of the CODENET species. , 2004, , 191-216.		15
71	Outdoor phytoplankton continuous culture in a marine fish "phytoplankton" bivalve integrated system: combined effects of dilution rate and ambient conditions on growth rate, biomass and nutrient cycling. <i>Aquaculture</i> , 2004, 240, 211-231.	3.5	19
72	Species level variation in coccolithophores. , 2004, , 327-366.		25

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73	PIGMENT SIGNATURES AND PHYLOGENETIC RELATIONSHIPS OF THE PAVLOVOPHYCEAE (HAPTOPHYTA) <sup>1</sup> . <i>Journal of Phycology</i> , 2003, 39, 379-389.	2.3	43
74	Pseudo-cryptic speciation in coccolithophores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7163-7168.	7.1	231
75	Life-cycle associations involving pairs of holococcolithophorid species: intraspecific variation or cryptic speciation?. <i>European Journal of Phycology</i> , 2002, 37, 531-550.	2.0	152
76	Calcification rate and temperature effects on Sr partitioning in coccoliths of multiple species of coccolithophorids in culture. <i>Global and Planetary Change</i> , 2002, 34, 153-171.	3.5	73