Ian Probert

List of Publications by Year
in descending order

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	Eukaryotic plankton diversity in the sunlit ocean. Science, 2015, 348, 1261605.	12.6	1,551
2	The Protist Ribosomal Reference database (PR2): a catalog of unicellular eukaryote Small Sub-Unit rRNA sequences with curated taxonomy. Nucleic Acids Research, 2012, 41, D597-D604.	14.5	1,463
3	Marine protist diversity in <scp>E</scp>uropean coastal waters and sediments as revealed by highâ€throughput sequencing. Environmental Microbiology, 2015, 17, 4035-4049.	3.8	384
4	Extreme diversity in noncalcifying haptophytes explains a major pigment paradox in open oceans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12803-12808.	7.1	263
5	Pseudo-cryptic speciation in coccolithophores. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7163-7168.	7.1	231
6	Phyto<scp>REF</scp>: a reference database of the plastidial 16S <scp>rRNA</scp> gene of photosynthetic eukaryotes with curated taxonomy. Molecular Ecology Resources, 2015, 15, 1435-1445.	4.8	198
7	The â€œCheshire Catâ€• escape strategy of the coccolithophore<i>Emiliania huxleyi</i>in response to viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15944-15949.	7.1	184
8	On the description of Tisochrysis lutea gen. nov. sp. nov. and Isochrysis nuda sp. nov. in the Isochrysidales, and the transfer of Dicrateria to the Prymnesiales (Haptophyta). Journal of Applied Phycology, 2013, 25, 1763-1776.	2.8	169
9	Life-cycle associations involving pairs of holococcolithophorid species: intraspecific variation or cryptic speciation?. European Journal of Phycology, 2002, 37, 531-550.	2.0	152
10	An original mode of symbiosis in open ocean plankton. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18000-18005.	7.1	126
11	Transcriptome analysis of functional differentiation between haploid and diploid cells of Emiliania huxleyi, a globally significant photosynthetic calcifying cell. Genome Biology, 2009, 10, R114.	9.6	105
12	Holococcolithophoreâ€heterococcolithophore (Haptophyta) life cycles: Flow cytometric analysis of relative ploidy levels. Systematics and Biodiversity, 2004, 1, 453-465.	1.2	94
13	Origin and Evolution of Coccolithophores: From Coastal Hunters to Oceanic Farmers. , 2007, , 251-285.		89
14	Ribosomal DNA phylogenies and a morphological revision provide the basis for a revised taxonomy of the Prymnesiales (Haptophyta). European Journal of Phycology, 2011, 46, 202-228.	2.0	87
15	Diversity and Ecology of Eukaryotic Marine Phytoplankton. Advances in Botanical Research, 2012, 64, 1-53.	1.1	84
16	<scp><i>B</i></scp><i>randtodinium</i> gen. nov. and <scp><i>B</i></scp><i>.Ânutricula</i> comb. <scp>N</scp>ov. (<scp>D</scp>inophyceae), a dinoflagellate commonly found in symbiosis with polycystine radiolarians. Journal of Phycology, 2014, 50, 388-399.	2.3	80
17	A role for diatom-like silicon transporters in calcifying coccolithophores. Nature Communications, 2016, 7, 10543.	12.8	78
18	NEW EVIDENCE FOR MORPHOLOGICAL AND GENETIC VARIATION IN THE COSMOPOLITAN COCCOLITHOPHORE <i>EMILIANIA HUXLEYI</i> (PRYMNESIOPHYCEAE) FROM THE <i>COX1b</i>â€<i>ATP4</i> GENES¹. Journal of Phycology, 2011, 47, 1164-1176.	2.3	74

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19	Calcification rate and temperature effects on Sr partitioning in coccoliths of multiple species of coccolithophorids in culture. Global and Planetary Change, 2002, 34, 153-171.	3.5	73
20	Pelagodinium gen. nov. and P. bÃ©ii comb. nov., a Dinoflagellate Symbiont of Planktonic Foraminifera. Protist, 2010, 161, 385-399.	1.5	73
21	Diversity patterns of uncultured Haptophytes unravelled by pyrosequencing in Naples Bay. Molecular Ecology, 2013, 22, 87-101.	3.9	70
22	Life-cycle modification in open oceans accounts for genome variability in a cosmopolitan phytoplankton. ISME Journal, 2015, 9, 1365-1377.	9.8	70
23	Whole-genome amplification (WGA) of marine photosynthetic eukaryote populations. FEMS Microbiology Ecology, 2011, 76, 513-523.	2.7	67
24	A Time line of the Environmental Genetics of the Haptophytes. Molecular Biology and Evolution, 2010, 27, 161-176.	8.9	64
25	What Is in Store for EPS Microalgae in the Next Decade?. Molecules, 2019, 24, 4296.	3.8	64
26	Integrative Taxonomy of the Pavlovophyceae (Haptophyta): A Reassessment. Protist, 2011, 162, 738-761.	1.5	63
27	<i>In situ</i> survey of life cycle phases of the coccolithophore <i>Emiliania huxleyi</i> (<i>Haptophyta</i>). Environmental Microbiology, 2012, 14, 1558-1569.	3.8	62
28	Repeated species radiations in the recent evolution of the key marine phytoplankton lineage Gephyrocapsa. Nature Communications, 2019, 10, 4234.	12.8	61
29	Bioprospecting Marine Plankton. Marine Drugs, 2013, 11, 4594-4611.	4.6	57
30	Comparative Transcriptome of Wild Type and Selected Strains of the Microalgae Tisochrysis lutea Provides Insights into the Genetic Basis, Lipid Metabolism and the Life Cycle. PLoS ONE, 2014, 9, e86889.	2.5	52
31	Multiple microalgal partners in symbiosis with the acantharian Acanthochiasma sp. (Radiolaria). Symbiosis, 2012, 58, 233-244.	2.3	44
32	PIGMENT SIGNATURES AND PHYLOGENETIC RELATIONSHIPS OF THE PAVLOVOPHYCEAE (HAPTOPHYTA)¹. Journal of Phycology, 2003, 39, 379-389.	2.3	43
33	Genetic delineation between and within the widespread coccolithophore morphoâ€species <i>Emiliania huxleyi</i> and <i>Gephyrocapsa oceanica</i> (Haptophyta). Journal of Phycology, 2014, 50, 140-148.	2.3	42
34	The chimerical and multifaceted marine acoel Symsagittifera roscoffensis: from photosymbiosis to brain regeneration. Frontiers in Microbiology, 2014, 5, 498.	3.5	34
35	Temperature dependence of oxygen isotope fractionation in coccolith calcite: A culture and core top calibration of the genus Calcidiscus. Geochimica Et Cosmochimica Acta, 2013, 100, 264-281.	3.9	33
36	The requirement for calcification differs between ecologically important coccolithophore species. New Phytologist, 2018, 220, 147-162.	7.3	33

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37	LIGHT AND ELECTRON MICROSCOPE OBSERVATIONS OFALGIROSPHAERA ROBUSTA(PRYMNESIOPHYCEAE). Journal of Phycology, 2007, 43, 319-332.	2.3	32
38	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
39	NMR characterization and evaluation of antibacterial and antiobiofilm activity of organic extracts from stationary phase batch cultures of five marine microalgae (Dunaliella sp., D. salina, Chaetoceros) Tj ETQq1 1 0.784314 rg BT /Overl	2.9	31
40	The ultrastructure and life cycle of the coastal coccolithophoridOchrosphaera neapolitana(Prymnesiophyceae). European Journal of Phycology, 2005, 40, 105-122.	2.0	30
41	Growth of the coccolithophore <i>Emiliania huxleyi</i> in light- and nutrient-limited batch reactors: relevance for the BIOSOPE deep ecological niche of coccolithophores. Biogeosciences, 2016, 13, 5983-6001.	3.3	30
42	A review of the phylogeny of the Haptophyta. , 2004, , 251-269.		29
43	Species level variation in coccolithophores. , 2004, , 327-366.		25
44	The Laboratory Culture of Coccolithophores. , 2004, , 217-249.		24
45	Role of silicon in the development of complex crystal shapes in coccolithophores. New Phytologist, 2021, 231, 1845-1857.	7.3	24
46	COCCOLITH FUNCTION AND MORPHOGENESIS: INSIGHTS FROM APPENDAGEâ€‘BEARING COCCOLITHOPHORES OF THE FAMILY SYRACOSPHAERACEAE (HAPTOPHYTA)¹. Journal of Phycology, 2009, 45, 213-226.	2.3	23
47	Rappemonads are haptophyte phytoplankton. Current Biology, 2021, 31, 2395-2403.e4.	3.9	22
48	Outdoor phytoplankton continuous culture in a marine fishâ€“phytoplanktonâ€“bivalve integrated system: combined effects of dilution rate and ambient conditions on growth rate, biomass and nutrient cycling. Aquaculture, 2004, 240, 211-231.	3.5	19
49	First observations of heterococcolithophoreâ€“holococcolithophore life cycle combinations in the family Pontosphaeraceae (Calcihaptophycideae, Haptophyta). Marine Micropaleontology, 2009, 71, 20-27.	1.2	19
50	A de novo approach to disentangle partner identity and function in holobiont systems. Microbiome, 2018, 6, 105.	11.1	19
51	Morphological and Phylogenetic Characterization of New Gephyrocapsa Isolates Suggests Introgressive Hybridization in the Emiliania/Gephyrocapsa Complex (Haptophyta). Protist, 2015, 166, 323-336.	1.5	18
52	Recent Reticulate Evolution in the Ecologically Dominant Lineage of Coccolithophores. Frontiers in Microbiology, 2016, 7, 784.	3.5	18
53	Pigment diversity of coccolithophores in relation to taxonomy, phylogeny and ecological preferences. , 2004, , 51-73.		16
54	Structure and morphogenesis of the coccoliths of the CODENET species. , 2004, , 191-216.		15

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55	<i>Phaeocystis rex</i>sp. nov. (Phaeocystales, Prymnesiophyceae): a new solitary species that produces a multilayered scale cell covering. European Journal of Phycology, 2015, 50, 207-222.	2.0	15
56	CACO3OPTICAL DETECTION WITH FLUORESCENTIN SITUHYBRIDIZATION: A NEW METHOD TO IDENTIFY AND QUANTIFY CALCIFYING MICROORGANISMS FROM THE OCEANS1. Journal of Phycology, 2006, 42, 1162-1169.	2.3	14
57	Photosymbiosis in Marine Pelagic Environments. , 2016, , 305-332.		13
58	The private life of coccolithophores. Perspectives in Phycology, 2019, 6, 11-30.	1.9	13
59	Culturable diversity of Arctic phytoplankton during pack ice melting. Elementa, 2020, 8, .	3.2	13
60	Morphospecies<i>versus</i>Phylospecies Concepts for Evaluating Phytoplankton Diversity: The Case of the Coccolithophores. Cryptogamie, Algologie, 2014, 35, 353-377.	0.9	12
61	Calibration of stable isotope composition of <i>Thoracosphaera heimii</i> (dinoflagellate) calcite for reconstructing paleotemperatures in the intermediate photic zone. Paleoceanography, 2014, 29, 1111-1126.	3.0	12
62	Analysis of the genomic basis of functional diversity in dinoflagellates using a transcriptomeâ€based sequence similarity network. Molecular Ecology, 2018, 27, 2365-2380.	3.9	12
63	Haptophyta. , 2016, , 1-61.		11
64	Planktonic protist diversity across contrasting Subtropical and Subantarctic waters of the southwest Pacific. Progress in Oceanography, 2022, 206, 102809.	3.2	11
65	Haptophyta. , 2017, , 893-953.		9
66	<i>Prymnesium lepailleurii</i>sp. nov. (Prymnesiophyceae), a new littoral flagellate from the Mediterranean Sea. European Journal of Phycology, 2007, 42, 289-294.	2.0	7
67	Coccolithophores: Functional Biodiversity, Enzymes and Bioprospecting. Marine Drugs, 2011, 9, 586-602.	4.6	7
68	Li Partitioning Into Coccoliths of <i>Emiliania huxleyi</i>: Evaluating the General Role of â€œVital Effectsâ€• in Explaining Element Partitioning in Biogenic Carbonates. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009129.	2.5	6
69	Reproduction in Microalgae. , 2014, , 1-28.		6
70	Microsatellite cross-amplification in coccolithophores: application in population diversity studies. Hereditas, 2006, 143, 99-102.	1.4	4
71	Marine dinoflagellates as a source of new bioactive structures. Studies in Natural Products Chemistry, 2020, , 125-171.	1.8	4
72	Taxonomic reassignment of <i>Pseudohaptolina birgeri comb. nov</i>. (Haptophyta). Phycologia, 2020, 59, 606-615.	1.4	3

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73	Coccolith size rules â€“ What controls the size of coccoliths during coccolithogenesis?. Marine Micropaleontology, 2022, 170, 102080.	1.2	2
74	The Life Cycle and Taxonomic Affinity of the CoccolithophoreJomonlithus littoralis(Prymnesiophyceae). Cryptogamie, Algologie, 2014, 35, 389-405.	0.9	1
75	In Honor of Denis Lamy. Cryptogamie, Algologie, 2015, 36, 127-128.	0.9	1
76	Haptophyta. , 2017, , 1-61.		1