

Christopher J Bolch

List of Publications by Year in descending order

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80
papers

5,105
citations

76326

40
h-index

88630

70
g-index

83
all docs

83
docs citations

83
times ranked

4117
citing authors

#	ARTICLE	IF	CITATIONS
1	A photosynthetic alveolate closely related to apicomplexan parasites. <i>Nature</i> , 2008, 451, 959-963.	27.8	437
2	Transport of diatom and dinoflagellate resting spores in ships' ballast water: implications for plankton biogeography and aquaculture. <i>Journal of Plankton Research</i> , 1992, 14, 1067-1084.	1.8	356
3	Isolation and purification of Australian isolates of the toxic cyanobacterium <i>Microcystis aeruginosa</i> KÅ¼tz. <i>Journal of Applied Phycology</i> , 1996, 8, 5-13.	2.8	302
4	Transport of toxic dinoflagellate cysts via ships' ballast water. <i>Marine Pollution Bulletin</i> , 1991, 22, 27-30.	5.0	240
5	VEGETATIVE REPRODUCTION AND SEXUAL LIFE CYCLE OF THE TOXIC DINOFLAGELLATE <i>GYMNODINIUM CATENATUM</i> FROM TASMANIA, AUSTRALIA. <i>Journal of Phycology</i> , 1989, 25, 577-590.	2.3	198
6	Phylogenetic and functional diversity of the cultivable bacterial community associated with the paralytic shellfish poisoning dinoflagellate <i>Gymnodinium catenatum</i> . <i>FEMS Microbiology Ecology</i> , 2004, 47, 345-357.	2.7	198
7	The use of sodium polytungstate for the separation and concentration of living dinoflagellate cysts from marine sediments. <i>Phycologia</i> , 1997, 36, 472-478.	1.4	146
8	TAKAYAMA GEN. NOV. (GYMNODINIALES, DINOPHYCEAE), A NEW GENUS OF UNARMORED DINOFLAGELLATES WITH SIGMOID APICAL GROOVES, INCLUDING THE DESCRIPTION OF TWO NEW SPECIES ¹ . <i>Journal of Phycology</i> , 2003, 39, 1233-1246.	2.3	135
9	GROWTH AND DOMOIC ACID PRODUCTION BY PSEUDO-NITZSCHIA SERIATA (BACILLARIOPHYCEAE) UNDER PHOSPHATE AND SILICATE LIMITATION ¹ . <i>Journal of Phycology</i> , 2004, 40, 674-683.	2.3	128
10	A review of the molecular evidence for ballast water introduction of the toxic dinoflagellates <i>Gymnodinium catenatum</i> and the <i>Alexandrium</i> <i>oetamarensis</i> complex to Australasia. <i>Harmful Algae</i> , 2007, 6, 465-485.	4.8	127
11	Three Novel Hydroxybenzoate Saxitoxin Analogues Isolated from the Dinoflagellate <i>Gymnodinium catenatum</i> . <i>Chemical Research in Toxicology</i> , 2003, 16, 1029-1033.	3.3	120
12	Seafood spoilage microbiota and associated volatile organic compounds at different storage temperatures and packaging conditions. <i>International Journal of Food Microbiology</i> , 2018, 280, 87-99.	4.7	120
13	Reproductive compatibility among four global populations of the toxic dinoflagellate <i>Gymnodinium catenatum</i> (Dinophyceae). <i>Phycologia</i> , 2001, 40, 78-87.	1.4	117
14	<i>Marinobacter algicola</i> sp. nov., isolated from laboratory cultures of paralytic shellfish toxin-producing dinoflagellates. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 523-527.	1.7	108
15	Seasonality of <i>Pseudo-nitzschia</i> spp. (Bacillariophyceae) in western Scottish waters. <i>Marine Ecology - Progress Series</i> , 2006, 323, 91-105.	1.9	99
16	DOMOIC ACID PRODUCTION By PSEUDO-NITZSCHIA SERIATA (BACILLARIOPHYCEAE) IN SCOTTISH WATERS ¹ . <i>Journal of Phycology</i> , 2004, 40, 622-630.	2.3	94
17	Global toxicology, ecophysiology and population relationships of the chainforming PST dinoflagellate <i>Gymnodinium catenatum</i> . <i>Harmful Algae</i> , 2012, 14, 130-143.	4.8	94
18	Species of the Toxigenic Dinoflagellate Genus <i>Alexandrium</i> in Southeastern Australian Waters. <i>Botanica Marina</i> , 1991, 34, .	1.2	89

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19	GENETIC, MORPHOLOGICAL, AND TOXICOLOGICAL VARIATION AMONG GLOBALLY DISTRIBUTED STRAINS OF NODULARIA (CYANOBACTERIA). <i>Journal of Phycology</i> , 1999, 35, 339-355.	2.3	88
20	GENETIC VARIABILITY OF BRAZILIAN STRAINS OF THE MICROCYSTIS AERUGINOSA COMPLEX (CYANOBACTERIA/CYANOPHYCEAE) USING THE PHYCOCYANIN INTERGENIC SPACER AND FLANKING REGIONS (cpcBA). <i>Journal of Phycology</i> , 2001, 37, 810-818.	2.3	82
21	Widespread presence of hydrophobic paralytic shellfish toxins in <i>Gymnodinium catenatum</i> . <i>Harmful Algae</i> , 2007, 6, 774-780.	4.8	82
22	GENETIC CHARACTERIZATION OF STRAINS OF CYANOBACTERIA USING PCR-RFLP OF THE cpcBA INTERGENIC SPACER AND FLANKING REGIONS1. <i>Journal of Phycology</i> , 1996, 32, 445-451.	2.3	67
23	THE TOXIC DINOFLAGELLATE <i>GYMNODINIUM CATENATUM</i> (DINOPHYCEAE) REQUIRES MARINE BACTERIA FOR GROWTH ¹ . <i>Journal of Phycology</i> , 2011, 47, 1009-1022.	2.3	66
24	Toxin composition of resting cysts of <i>Alexandrium tamarense</i> (Dinophyceae). <i>Toxicon</i> , 1992, 30, 1539-1544.	1.6	65
25	GENETIC VARIATION AMONG STRAINS OF THE TOXIC DINOFLAGELLATE <i>GYMNODINIUM CATENATUM</i> (DINOPHYCEAE). <i>Journal of Phycology</i> , 1999, 35, 356-367.	2.3	65
26	<i>Gymnodinium microreticulatum</i> sp. nov. (Dinophyceae): a naked, microreticulate cyst-producing dinoflagellate, distinct from <i>Gymnodinium catenatum</i> and <i>Gymnodinium nolleri</i> . <i>Phycologia</i> , 1999, 38, 301-313.	1.4	65
27	The resting cyst of the red-tide dinoflagellate <i>Alexandrium minutum</i> (Dinophyceae). <i>Phycologia</i> , 1991, 30, 215-219.	1.4	60
28	PCR protocols for genetic identification of dinoflagellates directly from single cysts and plankton cells. <i>Phycologia</i> , 2001, 40, 162-167.	1.4	59
29	Polyketide synthesis genes associated with toxin production in two species of <i>Gambierdiscus</i> (Dinophyceae). <i>BMC Genomics</i> , 2015, 16, 410.	2.8	56
30	An optimized method for the extraction of ancient eukaryote DNA from marine sediments. <i>Molecular Ecology Resources</i> , 2020, 20, 906-919.	4.8	55
31	SINGAPORE ISOLATES OF THE DINOFLAGELLATE <i>GYMNODINIUM CATENATUM</i> (DINOPHYCEAE) PRODUCE A UNIQUE PROFILE OF PARALYTIC SHELLFISH POISONING TOXINS1. <i>Journal of Phycology</i> , 2002, 38, 96-106.	2.3	52
32	<i>Karenia umbella</i> sp. nov. (Gymnodiniales, Dinophyceae), a new potentially ichthyotoxic dinoflagellate species from Tasmania, Australia. <i>Phycologia</i> , 2004, 43, 166-175.	1.4	50
33	Improved red-edge chlorophyll-a detection for Sentinel 2. <i>Ecological Indicators</i> , 2021, 120, 106876.	6.3	50
34	Development of a Real-Time PCR Probe for Quantification of the Heterotrophic Dinoflagellate <i>Cryptoperidiniopsis brodyi</i> (Dinophyceae) in Environmental Samples. <i>Applied and Environmental Microbiology</i> , 2007, 73, 2552-2560.	3.1	49
35	The Relationship between Phytoplankton Distribution and Water Column Characteristics in North West European Shelf Sea Waters. <i>PLoS ONE</i> , 2012, 7, e34098.	2.5	49
36	Bacterial Associates Modify Growth Dynamics of the Dinoflagellate <i>Gymnodinium catenatum</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 670.	3.5	49

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37	ANTARCTIC DISTRIBUTION, PIGMENT AND LIPID COMPOSITION, AND MOLECULAR IDENTIFICATION OF THE BRINE DINOFLAGELLATE POLARELLA GLACIALIS (DINOPHYCEAE) 1. <i>Journal of Phycology</i> , 2004, 40, 867-873.	2.3	46
38	<i>Karlodinium australesp. nov.</i> (Gymnodiniales, Dinophyceae), a new potentially ichthyotoxic unarmoured dinoflagellate from lagoonal habitats of south-eastern Australia. <i>Phycologia</i> , 2005, 44, 640-650.	1.4	46
39	Evaluation of spoilage potential and volatile metabolites production by <i>Shewanella baltica</i> isolated from modified atmosphere packaged live mussels. <i>Food Research International</i> , 2018, 103, 415-425.	6.2	43
40	Effect of salinity on growth and toxin production in cultures of the bloom-forming cyanobacterium <i>Nodularia spumigena</i> from Australian waters. <i>Phycologia</i> , 1996, 35, 511-522.	1.4	42
41	Species resolution and global distribution of microreticulate dinoflagellate cysts. <i>Journal of Plankton Research</i> , 2002, 24, 565-578.	1.8	39
42	Energy Storage and Reproduction in Mussels, <i>Mytilus galloprovincialis</i> : The Influence of Diet Quality. <i>Journal of Shellfish Research</i> , 2009, 28, 305-312.	0.9	39
43	Plasmid content and distribution in the toxic cyanobacterial genus <i>Microcystis</i> KÄtzing <i>et al.</i> (Cyanobacteria: Chroococcales). <i>Phycologia</i> , 1997, 36, 6-11.	1.4	38
44	Role of resting cysts in Chilean <i>Alexandrium catenella</i> dinoflagellate blooms revisited. <i>Harmful Algae</i> , 2016, 55, 238-249.	4.8	38
45	qPCR Assays for the Detection and Quantification of Multiple Paralytic Shellfish Toxin-Producing Species of <i>Alexandrium</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3153.	3.5	34
46	Title is missing!. <i>Aquatic Ecology</i> , 1997, 31, 47-52.	1.5	32
47	<i>Karenia asterichroma sp. nov.</i> (Gymnodiniales, Dinophyceae), a new dinoflagellate species associated with finfish aquaculture mortalities in Tasmania, Australia. <i>Phycologia</i> , 2004, 43, 624-631.	1.4	32
48	Large subunit ribosomal RNA gene variation and sequence heterogeneity of <i>Dinophysis</i> (Dinophyceae) species from Scottish coastal waters. <i>Harmful Algae</i> , 2007, 6, 271-287.	4.8	31
49	Morphology and phylogeny of <i>Gymnodinium trapeziforme sp. nov.</i> (Dinophyceae): a new dinoflagellate from the southeast coast of Iran that forms microreticulate resting cysts. <i>Phycologia</i> , 2007, 46, 644-656.	1.4	29
50	Capillary electrophoresis for the analysis of paralytic shellfish poisoning toxins in shellfish: Comparison of detection methods. <i>Electrophoresis</i> , 2014, 35, 1496-1503.	2.4	28
51	Bacterial diversity of <i>Gymnodinium catenatum</i> and its relationship to dinoflagellate toxicity. <i>Aquatic Microbial Ecology</i> , 2010, 61, 73-87.	1.8	28
52	Transient isotachopheresis-capillary zone electrophoresis with contactless conductivity and ultraviolet detection for the analysis of paralytic shellfish toxins in mussel samples. <i>Journal of Chromatography A</i> , 2014, 1364, 295-302.	3.7	27
53	<i>Alexandrium diversaporum sp. nov.</i> , a new non-saxitoxin producing species: Phylogeny, morphology and sxtA genes. <i>Harmful Algae</i> , 2014, 31, 54-65.	4.8	22
54	Morphological and phylogenetic data do not support the split of <i>Alexandrium</i> into four genera. <i>Harmful Algae</i> , 2020, 98, 101902.	4.8	21

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55	Droplet Microfluidics for Postcolumn Reactions in Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2014, 86, 11811-11818.	6.5	18
56	Growth enhancement of tropical abalone, <i>Haliotis asinina</i> L, through probiotic supplementation. <i>Aquaculture International</i> , 2020, 28, 463-475.	2.2	18
57	Genetic diversity of culturable <i>Vibrio</i> in an Australian blue mussel <i>Mytilus galloprovincialis</i> hatchery. <i>Diseases of Aquatic Organisms</i> , 2015, 116, 37-46.	1.0	18
58	In vitro screening of lactic acid bacteria isolated from gastrointestinal tract of Atlantic Salmon (<i>Salmo salar</i>) as probiont candidates. <i>Aquaculture International</i> , 2017, 25, 485-498.	2.2	17
59	Bacterial Community Affects Toxin Production by <i>Gymnodinium catenatum</i> . <i>PLoS ONE</i> , 2014, 9, e104623.	2.5	16
60	Environmental correlates of phenotypic variation: do variable tidal regimes influence morphology in intertidal seaweeds?. <i>Journal of Phycology</i> , 2015, 51, 859-871.	2.3	16
61	Morphology and phylogenetic affinities of <i>Thecadinium foveolatum</i> sp. nov. (Dinophyceae: Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Phycology, 2004, 39, 351-362.	2.0	14
62	Detection of a novel ecotype of <i>Pfiesteria piscicida</i> (Dinophyceae) in an Antarctic saline lake by real-time PCR. <i>Polar Biology</i> , 2007, 30, 843-848.	1.2	14
63	Isolation of alginate lyase-producing bacteria and screening for their potential characteristics as abalone probionts.. <i>Aquaculture Research</i> , 2017, 48, 5614-5623.	1.8	14
64	Isolation and screening of lactic acid bacteria associated with the gastrointestinal tracts of abalone at various life stages for probiotic candidates. <i>Aquaculture Reports</i> , 2020, 17, 100378.	1.7	14
65	<i>Cobricosphaeridium</i> Harland and Sarjeant: Dinoflagellate Cyst or Copepod Egg?. <i>Micropaleontology</i> , 1992, 38, 315.	1.0	13
66	<i>Scripsiella irregularis</i> sp. nov. (Dinophyceae), a new dinoflagellate from the southeast coast of Iran. <i>Phycologia</i> , 2007, 46, 572-582.	1.4	12
67	Unprecedented toxic algal blooms impact on Tasmanian seafood industry. <i>Microbiology Australia</i> , 2016, 37, 143.	0.4	12
68	Assessment of temperature or salinity effects on larval development by catecholamine-induced metamorphosis of hatchery-reared flat oyster, <i>Ostrea angasi</i> (Sowerby 1871) larvae. <i>Aquaculture Research</i> , 2015, 46, 2501-2511.	1.8	10
69	NOMENCLATURAL NOTE ON A THECADINIUM SPECIES (DINOPHYCEAE, GONYAULACALES), WHICH WAS DESCRIBED AS NEW INDEPENDENTLY THREE TIMES WITHIN TWO MONTHS ¹ . <i>Journal of Phycology</i> , 2005, 41, 1284-1286.	2.3	8
70	Morphological and molecular genetic characterization of <i>Cryptoperidiniopsis brodyi</i> (Dinophyceae) from Australia-wide isolates. <i>Harmful Algae</i> , 2007, 6, 718-733.	4.8	8
71	Dietary influence on growth and development of flat oyster, <i>Ostrea angasi</i> (Sowerby, 1871), larvae. <i>Aquaculture Research</i> , 2012, 43, 1317-1327.	1.8	7
72	Historical demography and colonization pathways of the widespread intertidal seaweed <i>Hormosira banksii</i> (Phaeophyceae) in southeastern Australia. <i>Journal of Phycology</i> , 2018, 54, 56-65.	2.3	7

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73	Larval <i>Crassostrea</i> bivalve and <i>Artemia</i> brine shrimp bioassays to assess toxicity and micropredation by the heterotrophic dinoflagellates <i>Cryptoperidiniopsis brodyi</i> and <i>Pfiesteria piscicida</i> from Australian waters. <i>Journal of Plankton Research</i> , 2007, 29, 791-801.	1.8	6
74	Morphology and genetic affinities of a novel <i>Chattonella</i> isolate (Raphidophyceae) isolated from Iran's south coast (Oman Sea). <i>Turkish Journal of Botany</i> , 2014, 38, 156-168.	1.2	6
75	Toxicity and histopathological effects of toxic dinoflagellate, <i>Alexandrium catenella</i> exudates on larvae of blue mussel, <i>Mytilus galloprovincialis</i> , and Pacific oyster, <i>Crassostrea gigas</i> . <i>Jurnal Ilmiah Perikanan Dan Kelautan</i> , 2020, 12, 188.	0.4	5
76	First observation of dinoflagellate resting cysts from recent sediments of the southeast coast of Iran. <i>Algological Studies</i> (Stuttgart, Germany: 2007), 2012, 140, 51-79.	0.4	3
77	Evaluation of atmospheric correction and high-resolution processing on SeaDAS-derived chlorophyll- <i>a</i> : an example from mid-latitude mesotrophic waters. <i>International Journal of Remote Sensing</i> , 2018, 39, 2119-2138.	2.9	3
78	Necrotic disease in bivalve larval cultures. <i>Microbiology Australia</i> , 2017, 38, 131.	0.4	2
79	Impact of molecular approaches on dinoflagellate taxonomy and systematics. , 2022, , 81-117.		1
80	Pathological alteration of digestive tissues in blue mussel (<i>Mytilus galloprovincialis</i>) larvae induced by <i>Alexandrium fundyense</i> lysates. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0