

Allan D Cembella

List of Publications by Year in descending order

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83
papers

6,697
citations

57758

44
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60623

81
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85
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85
docs citations

85
times ranked

4287
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and biological oceanographic insights into the massive fish-killing bloom of the haptophyte <i>Chrysochromulina leadbeateri</i> in northern Norway. <i>Harmful Algae</i> , 2022, 118, 102287.	4.8	16
2	Marine guanidinium neurotoxins: Biogenic origins and interactions, biosynthesis and pharmacology. <i>Advances in Neurotoxicology</i> , 2021, 6, 1-47.	1.9	3
3	Harmful algal blooms and their effects in coastal seas of Northern Europe. <i>Harmful Algae</i> , 2021, 102, 101989.	4.8	127
4	Diversity and regional distribution of harmful algal events along the Atlantic margin of Europe. <i>Harmful Algae</i> , 2021, 102, 101976.	4.8	50
5	Diversity of Bacterioplankton and Bacteriobenthos from the Veracruz Reef System, Southwestern Gulf of Mexico. <i>Microorganisms</i> , 2021, 9, 619.	3.6	2
6	Toxicity Bioassay and Cytotoxic Effects of the Benthic Marine Dinoflagellate <i>Amphidinium operculatum</i> . <i>Journal of Xenobiotics</i> , 2021, 11, 33-45.	6.7	4
7	Phylogeography and Diversity Among Populations of the Toxigenic Benthic Dinoflagellate <i>Prorocentrum</i> From Coastal Reef Systems in Mexico. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	4
8	Associated Bacteria and Their Effects on Growth and Toxigenicity of the Dinoflagellate <i>Prorocentrum lima</i> Species Complex From Epibenthic Substrates Along Mexican Coasts. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	13
9	A Review on the Biodiversity and Biogeography of Toxigenic Benthic Marine Dinoflagellates of the Coasts of Latin America. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	33
10	Key Questions and Recent Research Advances on Harmful Algal Blooms in Fjords and Coastal Embayments. <i>Ecological Studies</i> , 2018, , 187-203.	1.2	5
11	Association of the Toxigenic Dinoflagellate <i>Alexandrium ostenfeldii</i> With Spirolide Accumulation in Cultured Mussels (<i>Mytilus galloprovincialis</i>) From Northwest Mexico. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	6
12	Effects of salinity variation on growth and yessotoxin composition in the marine dinoflagellate <i>Lingulodinium polyedra</i> from a Skagerrak fjord system (western Sweden). <i>Harmful Algae</i> , 2018, 78, 9-17.	4.8	16
13	Species occurrence of the potentially toxigenic diatom genus <i>Pseudo-nitzschia</i> and the associated neurotoxin domoic acid in the Argentine Sea. <i>Harmful Algae</i> , 2017, 63, 45-55.	4.8	29
14	Molecular diversity patterns among various phytoplankton size-fractions in West Greenland in late summer. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 121, 54-69.	1.4	30
15	Morphological, molecular, and toxin analysis of field populations of <i>Alexandrium</i> genus from the Argentine Sea. <i>Journal of Phycology</i> , 2017, 53, 1206-1222.	2.3	28
16	Guanidinium Toxins and Their Interactions with Voltage-Gated Sodium Ion Channels. <i>Marine Drugs</i> , 2017, 15, 303.	4.6	59
17	LC-MS/MS Detection of Karlotoxins Reveals New Variants in Strains of the Marine Dinoflagellate <i>Karlodinium veneficum</i> from the Ebro Delta (NW Mediterranean). <i>Marine Drugs</i> , 2017, 15, 391.	4.6	20
18	Docking Simulation of the Binding Interactions of Saxitoxin Analogs Produced by the Marine Dinoflagellate <i>Gymnodinium catenatum</i> to the Voltage-Gated Sodium Channel Nav1.4. <i>Toxins</i> , 2016, 8, 129.	3.4	19

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19	Toxigenic algae and associated phycotoxins in two coastal embayments in the Ebro Delta (NW) Tj ETQq1 1 0.784314 rgBT / Overlock 10	4.8	23
20	Trait changes induced by species interactions in two phenotypically distinct strains of a marine dinoflagellate. ISME Journal, 2016, 10, 2658-2668.	9.8	15
21	Distribution of Dinophysis species and their association with lipophilic phycotoxins in plankton from the Argentine Sea. Harmful Algae, 2016, 59, 31-41.	4.8	34
22	Bioactive compounds of marine dinoflagellate isolates from western Greenland and their phylogenetic association within the genus Alexandrium. Harmful Algae, 2016, 51, 67-80.	4.8	21
23	Distribution of Alexandrium fundyense (Dinophyceae) cysts in Greenland and Iceland, with an emphasis on viability and growth in the Arctic. Marine Ecology - Progress Series, 2016, 547, 33-46.	1.9	14
24	Paralytic toxin profile of the marine dinoflagellate <i>Gymnodinium catenatum</i> Graham from the Mexican Pacific as revealed by LC-MS/MS. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2015, 32, 1-14.	2.3	12
25	Transcriptomic characterisation and genomic glimps into the toxigenic dinoflagellate Azadinium spinosum, with emphasis on polyketide synthase genes. BMC Genomics, 2015, 16, 27.	2.8	40
26	Impact of Nitrogen Sources on Gene Expression and Toxin Production in the Diazotroph Cylindrospermopsis raciborskii CS-505 and Non-Diazotroph Raphidiopsis brookii D9. Toxins, 2014, 6, 1896-1915.	3.4	40
27	Phycotoxin composition and distribution in plankton fractions from the German Bight and western Danish coast. Journal of Plankton Research, 2013, 35, 1093-1108.	1.8	13
28	Biodiversity of Harmful Marine Algae. , 2013, , 470-484.		0
29	Molecular discrimination of toxic and non-toxic <i>Alexandrium</i> species (Dinophyta) in natural phytoplankton assemblages from the Scottish coast of the North Sea. European Journal of Phycology, 2013, 48, 12-26.	2.0	42
30	Molecular discrimination of taxa within the dinoflagellate genus Azadinium, the source of azaspiracid toxins. Journal of Plankton Research, 2013, 35, 225-230.	1.8	40
31	The globally distributed genus Alexandrium: Multifaceted roles in marine ecosystems and impacts on human health. Harmful Algae, 2012, 14, 10-35.	4.8	577
32	Molecular phylogeny and toxin profiles of Alexandrium tamarense (Lebour) Balech (Dinophyceae) from the west coast of Greenland. Harmful Algae, 2012, 19, 108-116.	4.8	26
33	Toxigenic phytoplankton and concomitant toxicity in the mussel Choromytilus meridionalis off the west coast of South Africa. Harmful Algae, 2012, 20, 30-41.	4.8	22
34	PSP toxin release from the cyanobacterium Raphidiopsis brookii D9 (Nostocales) can be induced by sodium and potassium ions. Toxicon, 2012, 60, 1324-1334.	1.6	45
35	Progress in Understanding Harmful Algal Blooms: Paradigm Shifts and New Technologies for Research, Monitoring, and Management. Annual Review of Marine Science, 2012, 4, 143-176.	11.6	808
36	Mode of action of membrane-disruptive lytic compounds from the marine dinoflagellate Alexandrium tamarense. Toxicon, 2011, 58, 247-258.	1.6	41

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37	Isolation of activity and partial characterization of large non-proteinaceous lytic allelochemicals produced by the marine dinoflagellate <i>Alexandrium tamarense</i> . <i>Harmful Algae</i> , 2011, 11, 65-72.	4.8	35
38	Growth- and nutrient-dependent gene expression in the toxigenic marine dinoflagellate <i>Alexandrium minutum</i> . <i>Harmful Algae</i> , 2011, 12, 55-69.	4.8	49
39	The Relevance of Marine Chemical Ecology to Plankton and Ecosystem Function: An Emerging Field. <i>Marine Drugs</i> , 2011, 9, 1625-1648.	4.6	106
40	Comparative Genomic and Transcriptomic Characterization of the Toxigenic Marine Dinoflagellate <i>Alexandrium ostenfeldii</i> . <i>PLoS ONE</i> , 2011, 6, e28012.	2.5	92
41	PHENOTYPIC VARIATION AND GENOTYPIC DIVERSITY IN A PLANKTONIC POPULATION OF THE TOXIGENIC MARINE DINOFLAGELLATE <i>ALEXANDRIUM TAMARENSE</i> (DINOPHYCEAE)1. <i>Journal of Phycology</i> , 2010, 46, 18-32.	2.3	102
42	Cyanotoxins are not implicated in the etiology of coral black band disease outbreaks on Pelorus Island, Great Barrier Reef. <i>FEMS Microbiology Ecology</i> , 2010, 73, no-no.	2.7	16
43	The Smallest Known Genomes of Multicellular and Toxic Cyanobacteria: Comparison, Minimal Gene Sets for Linked Traits and the Evolutionary Implications. <i>PLoS ONE</i> , 2010, 5, e9235.	2.5	168
44	Genomic characterisation of the ichthyotoxic prymnesiophyte <i>Chrysochromulina polylepis</i> , and the expression of polyketide synthase genes in synchronized cultures. <i>European Journal of Phycology</i> , 2010, 45, 215-229.	2.0	21
45	Reassessment of the toxin profile of <i>Cylindrospermopsis raciborskii</i> T3 and function of putative sulfotransferases in synthesis of sulfated and sulfonated PSP toxins. <i>Toxicon</i> , 2010, 56, 1350-1361.	1.6	56
46	Comparative gene expression in toxic versus non-toxic strains of the marine dinoflagellate <i>Alexandrium minutum</i> . <i>BMC Genomics</i> , 2010, 11, 248.	2.8	73
47	<i>Azadinium obesum</i> (Dinophyceae), a new nontoxic species in the genus that can produce azaspiracid toxins. <i>Phycologia</i> , 2010, 49, 169-182.	1.4	65
48	Preliminary Characterization of Extracellular Allelochemicals of the Toxic Marine Dinoflagellate <i>Alexandrium tamarense</i> Using a <i>Rhodomonas salina</i> Bioassay. <i>Marine Drugs</i> , 2009, 7, 497-522.	4.6	70
49	Implications of life-history transitions on the population genetic structure of the toxigenic marine dinoflagellate <i>Alexandrium tamarense</i> . <i>Molecular Ecology</i> , 2009, 18, 2122-2133.	3.9	66
50	Intra-population clonal variability in allelochemical potency of the toxigenic dinoflagellate <i>Alexandrium tamarense</i> . <i>Harmful Algae</i> , 2009, 8, 759-769.	4.8	99
51	Characterization of azaspiracids in plankton size-fractions and isolation of an azaspiracid-producing dinoflagellate from the North Sea. <i>Harmful Algae</i> , 2009, 8, 254-263.	4.8	127
52	<i>Azadinium spinosum</i> gen. et sp. nov. (Dinophyceae) identified as a primary producer of azaspiracid toxins. <i>European Journal of Phycology</i> , 2009, 44, 63-79.	2.0	250
53	LC-MS-MS aboard ship: tandem mass spectrometry in the search for phycotoxins and novel toxigenic plankton from the North Sea. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 797-803.	3.7	99
54	Novel Insights into Evolution of Protistan Polyketide Synthases through Phylogenomic Analysis. <i>Protist</i> , 2008, 159, 21-30.	1.5	63

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55	Ocean urea fertilization for carbon credits poses high ecological risks. <i>Marine Pollution Bulletin</i> , 2008, 56, 1049-1056.	5.0	58
56	Allelochemical interactions and short-term effects of the dinoflagellate <i>Alexandrium</i> on selected photoautotrophic and heterotrophic protists. <i>Harmful Algae</i> , 2008, 7, 52-64.	4.8	119
57	On the allelochemical potency of the marine dinoflagellate <i>Alexandrium ostenfeldii</i> against heterotrophic and autotrophic protists. <i>Journal of Plankton Research</i> , 2007, 29, 527-543.	1.8	118
58	Intercalibration of classical and molecular techniques for identification of <i>Alexandrium fundyense</i> (Dinophyceae) and estimation of cell densities. <i>Harmful Algae</i> , 2007, 6, 56-72.	4.8	54
59	Toxin profile of <i>Alexandrium catenella</i> from the Chilean coast as determined by liquid chromatography with fluorescence detection and liquid chromatography coupled with tandem mass spectrometry. <i>Harmful Algae</i> , 2007, 6, 734-744.	4.8	96
60	Rapid detection of cyanobacterial toxins in precursor ion mode by liquid chromatography tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1238-1250.	1.6	48
61	Swimming speed of three species of <i>Alexandrium</i> (Dinophyceae) as determined by digital in-line holography. <i>Phycologia</i> , 2006, 45, 61-70.	1.4	63
62	In vitro transformation of paralytic shellfish toxins in the clams <i>Mya arenaria</i> and <i>Protothaca staminea</i> . <i>Harmful Algae</i> , 2006, 5, 79-90.	4.8	57
63	Spirolides Isolated from Danish Strains of the Toxigenic Dinoflagellate <i>Alexandrium ostenfeldii</i> . <i>Journal of Natural Products</i> , 2006, 69, 983-987.	3.0	90
64	Biosynthesis of 13-Desmethyl Spirolide C by the Dinoflagellate <i>Alexandrium ostenfeldii</i> . <i>Journal of Organic Chemistry</i> , 2006, 71, 8724-8731.	3.2	55
65	Zooplankton grazing impacts on <i>Alexandrium</i> spp. in the nearshore environment of the Gulf of Maine. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 2817-2833.	1.4	25
66	Distribution and toxicity of <i>Alexandrium ostenfeldii</i> (Dinophyceae) in the Gulf of Maine, USA. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 2745-2763.	1.4	84
67	Harmful Algal Blooms and Their Assessment in Fjords and Coastal Embayments. <i>Oceanography</i> , 2005, 18, 158-171.	1.0	33
68	Chemical ecology of eukaryotic microalgae in marine ecosystems. <i>Phycologia</i> , 2003, 42, 420-447.	1.4	236
69	Discrimination of the toxigenic dinoflagellates <i>Alexandrium tamarense</i> and <i>A. ostenfeldii</i> in co-occurring natural populations from Scottish coastal waters. <i>European Journal of Phycology</i> , 2003, 38, 25-40.	2.0	121
70	North Atlantic right whales, <i>Eubalaena glacialis</i> , exposed to paralytic shellfish poisoning (PSP) toxins via a zooplankton vector, <i>Calanus finmarchicus</i> . <i>Harmful Algae</i> , 2002, 1, 243-251.	4.8	63
71	SINGAPORE ISOLATES OF THE DINOFLAGELLATE <i>GYMNODINIUM CATENATUM</i> (DINOPHYCEAE) PRODUCE A UNIQUE PROFILE OF PARALYTIC SHELLFISH POISONING TOXINS ¹ . <i>Journal of Phycology</i> , 2002, 38, 96-106.	2.3	52
72	Characterization of Spirolides A, C, and 13-Desmethyl C, New Marine Toxins Isolated from Toxic Plankton and Contaminated Shellfish. <i>Journal of Natural Products</i> , 2001, 64, 308-312.	3.0	174

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73	Grazing of toxic dinoflagellates, <i>Alexandrium</i> spp., by adult copepods of coastal Maine: Implications for the fate of paralytic shellfish toxins in marine food webs. <i>Journal of Experimental Marine Biology and Ecology</i> , 1996, 196, 145-176.	1.5	131
74	Accumulation of paralytic shellfish toxins by surfclams, <i>Spisula solidissima</i> (Dillwyn, 1897) in the gulf of maine: Seasonal changes, distribution between tissues, and notes on feeding habits. <i>Natural Toxins</i> , 1994, 2, 236-251.	1.0	35
75	Sequestering and putative biotransformation of paralytic shellfish toxins by the sea scallop <i>Placopecten magellanicus</i> : seasonal and spatial scales in natural populations. <i>Journal of Experimental Marine Biology and Ecology</i> , 1994, 180, 1-22.	1.5	91
76	The impact of toxic algae on scallop culture and fisheries. <i>Reviews in Fisheries Science</i> , 1993, 1, 121-150.	2.1	67
77	THE MARINE DINOFLAGELLATE <i>ALEXANDRIUM OSTENFELDII</i> : PARALYTIC SHELLFISH TOXIN CONCENTRATION, COMPOSITION, AND TOXICITY TO A TINTINNID CILIATE ¹ . <i>Journal of Phycology</i> , 1992, 28, 597-603.	2.3	129
78	CYST FORMATION IN THE RED TIDE DINOFLAGELLATE <i>ALEXANDRIUM TAMARENSE</i> (DINOPHYCEAE): EFFECTS OF IRON STRESS ¹ . <i>Journal of Phycology</i> , 1989, 25, 721-731.	2.3	50
79	Variation in paralytic shellfish toxin composition within the <i>Protogonyaulax tamarensis/catenella</i> species complex; red tide dinoflagellates. <i>Biochemical Systematics and Ecology</i> , 1987, 15, 171-186.	1.3	180
80	Electrophoretic variability within the <i>Protogonyaulax tamarensis/catenella</i> species complex: Pyridine linked dehydrogenases. <i>Biochemical Systematics and Ecology</i> , 1986, 14, 311-323.	1.3	49
81	The Utilization of Inorganic and Organic Phosphorous Compounds as Nutrients by Eukaryotic Microalgae: A Multidisciplinary Perspective: Part 2. <i>CRC Critical Reviews in Microbiology</i> , 1984, 11, 13-81.	4.8	163
82	The Utilization of Inorganic and Organic Phosphorous Compounds as Nutrients by Eukaryotic Microalgae: A Multidisciplinary Perspective: Part I. <i>CRC Critical Reviews in Microbiology</i> , 1982, 10, 317-391.	4.8	421
83	Harmful Algal Species Fact Sheets. , 0, , 561-638.		0