

Shauna A Murray

List of Publications by Year in descending order

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papers

5,173
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101543

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docs citations

119
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4678
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the development of a <i>Dinophysis</i> bloom in a shellfish aquaculture area using a novel molecular qPCR assay. <i>Harmful Algae</i> , 2022, 116, 102253.	4.8	4
2	Temperature variability interacts with mean temperature to influence the predictability of microbial phenotypes. <i>Global Change Biology</i> , 2022, 28, 5741-5754.	9.5	3
3	Phenotypic trait variability as an indication of adaptive capacity in a cosmopolitan marine diatom. <i>Environmental Microbiology</i> , 2021, 23, 207-223.	3.8	17
4	Assessing the Use of Molecular Barcoding and qPCR for Investigating the Ecology of <i>Prorocentrum</i> minimum (Dinophyceae), a Harmful Algal Species. <i>Microorganisms</i> , 2021, 9, 510.	3.6	7
5	Using qPCR and high-resolution sensor data to model a multi-species <i>Pseudo-nitzschia</i> (Bacillariophyceae) bloom in southeastern Australia. <i>Harmful Algae</i> , 2021, 108, 102095.	4.8	7
6	A Comparative Analysis of Methods (LC-MS/MS, LC-MS and Rapid Test Kits) for the Determination of Diarrhetic Shellfish Toxins in Oysters, Mussels and Pipis. <i>Toxins</i> , 2021, 13, 563.	3.4	3
7	Revealing RNA virus diversity and evolution in unicellular algae transcriptomes. <i>Virus Evolution</i> , 2021, 7, .	4.9	28
8	Impacts of harmful algal blooms on marine aquaculture in a low-carbon future. <i>Harmful Algae</i> , 2021, 110, 102143.	4.8	13
9	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
10	Functional significance of phylogeographic structure in a toxic benthic marine microbial eukaryote over a latitudinal gradient along the East Australian Current. <i>Ecology and Evolution</i> , 2020, 10, 6257-6273.	1.9	11
11	First report of the potentially toxic marine diatom <i>Pseudo-nitzschia simulans</i> (Bacillariophyceae) from the East Australian Current. <i>Phycological Research</i> , 2020, 68, 254-259.	1.6	4
12	First Detection of Paralytic Shellfish Toxins from <i>Alexandrium pacificum</i> above the Regulatory Limit in Blue Mussels (<i>Mytilus galloprovincialis</i>) in New South Wales, Australia. <i>Microorganisms</i> , 2020, 8, 905.	3.6	8
13	Sexual reproduction and genetic polymorphism within the cosmopolitan marine diatom <i>Pseudo-nitzschia pungens</i> . <i>Scientific Reports</i> , 2020, 10, 10653.	3.3	7
14	Fifteen years of <i>Pseudo-nitzschia</i> in an Australian estuary, including the first potentially toxic <i>P. delicatissima</i> bloom in the southern hemisphere. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 236, 106651.	2.1	15
15	9 <i>Gambierdiscus</i> , the cause of ciguatera fish poisoning: an increased human health threat influenced by climate change. , 2020, , 303-368.		0
16	4 <i>Alexandrium</i> spp.: genetic and ecological factors influencing saxitoxin production and proliferation. , 2020, , 133-166.		3
17	Transcriptomic investigation into polyketide toxin synthesis in <i>Ostreopsis</i> (Dinophyceae) species. <i>Environmental Microbiology</i> , 2019, 21, 4196-4211.	3.8	12
18	The Genetic Basis of Toxin Biosynthesis in Dinoflagellates. <i>Microorganisms</i> , 2019, 7, 222.	3.6	47

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19	Morphology and Phylogenetics of Benthic <i>Prorocentrum</i> Species (Dinophyceae) from Tropical Northwestern Australia. <i>Toxins</i> , 2019, 11, 571.	3.4	11
20	Evaluation of <i>sxtA</i> and rDNA qPCR assays through monitoring of an inshore bloom of <i>Alexandrium catenella</i> Group 1. <i>Scientific Reports</i> , 2019, 9, 14532.	3.3	29
21	Characterisation of Two Toxic <i>Gambierdiscus</i> spp. (Gonyaulacales, Dinophyceae) from the Great Barrier Reef (Australia): <i>G. lewisii</i> sp. nov. and <i>G. holmesii</i> sp. nov.. <i>Protist</i> , 2019, 170, 125699.	1.5	31
22	Development of a quantitative PCR assay for the detection and enumeration of a potentially ciguatoxin-producing dinoflagellate, <i>Gambierdiscus lapillus</i> (Gonyaulacales, Dinophyceae). <i>PLoS ONE</i> , 2019, 14, e0224664.	2.5	16
23	Morphological and molecular phylogenetic identification and record verification of <i>Gambierdiscus excentricus</i> (Dinophyceae) from Madeira Island (NE Atlantic Ocean). <i>Marine Biodiversity Records</i> , 2019, 12, .	1.2	16
24	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
25	Diarrhetic Shellfish Toxin Monitoring in Commercial Wild Harvest Bivalve Shellfish in New South Wales, Australia. <i>Toxins</i> , 2018, 10, 446.	3.4	13
26	The Microbiome of the Cosmopolitan Diatom <i>Leptocylindrus</i> Reveals Significant Spatial and Temporal Variability. <i>Frontiers in Microbiology</i> , 2018, 9, 2758.	3.5	35
27	Bloom drivers of the potentially harmful dinoflagellate <i>Prorocentrum minimum</i> (Pavillard) Schiller in a south eastern temperate Australian estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 215, 161-171.	2.1	19
28	A new diatom species <i>P. hallegraeffii</i> sp. nov. belonging to the toxic genus <i>Pseudo-nitzschia</i> (Bacillariophyceae) from the East Australian Current. <i>PLoS ONE</i> , 2018, 13, e0195622.	2.5	22
29	Toxicology of <i>Gambierdiscus</i> spp. (Dinophyceae) from Tropical and Temperate Australian Waters. <i>Marine Drugs</i> , 2018, 16, 7.	4.6	44
30	Role of Modular Polyketide Synthases in the Production of Polyether Ladder Compounds in Ciguatoxin-Producing <i>Gambierdiscus polynesiensis</i> and <i>G. excentricus</i> (Dinophyceae). <i>Journal of Eukaryotic Microbiology</i> , 2017, 64, 691-706.	1.7	31
31	A new species of <i>Gambierdiscus</i> (Dinophyceae) from the south-west Pacific: <i>Gambierdiscus honu</i> sp. nov.. <i>Harmful Algae</i> , 2017, 65, 61-70.	4.8	56
32	Qualitative and quantitative assessment of the presence of ciguatoxin, P-CTX-1B, in Spanish Mackerel (<i>Scomberomorus commerson</i>) from waters in New South Wales (Australia). <i>Toxicology Reports</i> , 2017, 4, 328-334.	3.3	25
33	Response to "More surprises in the global greenhouse: Human health impacts from recent toxic marine aerosol formulations, due to centennial alterations or world-wide coastal food webs"; <i>Marine Pollution Bulletin</i> , 2017, 123, 415-417.	5.0	0
34	Assessment of the metabarcoding approach for community analysis of benthic-epiphytic dinoflagellates using mock communities. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2017, 51, 555-576.	2.0	59
35	Comparative performance of four immunological test kits for the detection of Paralytic Shellfish Toxins in Tasmanian shellfish. <i>Toxicon</i> , 2017, 125, 110-119.	1.6	17
36	Both modular and single-domain Type I polyketide synthases are expressed in the brevetoxin-producing dinoflagellate, <i>Karenia brevis</i> (Dinophyceae). <i>Journal of Phycology</i> , 2017, 53, 1325-1339.	2.3	28

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37	Accumulation and depuration of paralytic shellfish toxins by Australian abalone <i>Haliotis rubra</i> : Conclusive association with <i>Gymnodinium catenatum</i> dinoflagellate blooms. <i>Food Control</i> , 2017, 73, 971-980.	5.5	11
38	Characterization of <i>Gambierdiscus lapillus</i> sp. nov. (Gonyaulacales, Dinophyceae): a new toxic dinoflagellate from the Great Barrier Reef (Australia). <i>Journal of Phycology</i> , 2017, 53, 283-297.	2.3	56
39	Recent Trends in Marine Phycotoxins from Australian Coastal Waters. <i>Marine Drugs</i> , 2017, 15, 33.	4.6	45
40	Management of Ciguatera Risk in Eastern Australia. <i>Toxins</i> , 2017, 9, 367.	3.4	22
41	Unravelling the functional genetics of dinoflagellates: a review of approaches and opportunities. <i>Perspectives in Phycology</i> , 2016, 3, 37-52.	1.9	42
42	Molecular phylogeny, morphology and toxigenicity of <i>Ostreopsis</i> cf. <i>siamensis</i> (Dinophyceae) from temperate south-east Australia. <i>Phycological Research</i> , 2016, 64, 146-159.	1.6	19
43	Diversity, temporal distribution and physiology of the centric diatom <i>Leptocylindrus</i> Cleve (Bacillariophyta) from a southern hemisphere upwelling system. <i>Diatom Research</i> , 2016, 31, 351-365.	1.2	17
44	Molecular Detection of the <i>SxtA</i> Gene from Saxitoxin-Producing <i>Alexandrium minutum</i> in Commercial Oysters. <i>Journal of Shellfish Research</i> , 2016, 35, 169-177.	0.9	8
45	The first report of the potentially harmful diatom <i>Pseudo-nitzschia caciantha</i> from Australian coastal waters. <i>Phycological Research</i> , 2016, 64, 312-317.	1.6	8
46	Molecular and phylogenetic characterization of <i>Ostreopsis</i> (Dinophyceae) and the description of a new species, <i>Ostreopsis rhodesae</i> sp. nov., from a subtropical Australian lagoon. <i>Harmful Algae</i> , 2016, 60, 116-130.	4.8	42
47	A new <i>Gambierdiscus</i> species (Dinophyceae) from Rarotonga, Cook Islands: <i>Gambierdiscus cheloniae</i> sp. nov. <i>Harmful Algae</i> , 2016, 60, 45-56.	4.8	60
48	A database of marine phytoplankton abundance, biomass and species composition in Australian waters. <i>Scientific Data</i> , 2016, 3, 160043.	5.3	22
49	Evolutionary distinctiveness of fatty acid and polyketide synthesis in eukaryotes. <i>ISME Journal</i> , 2016, 10, 1877-1890.	9.8	72
50	The Contrasting Ecology of Temperate Macrotidal and Microtidal Estuaries. <i>Oceanography and Marine Biology</i> , 2016, , 387-412.	1.0	17
51	4. <i>Alexandrium</i> spp.: genetic and ecological factors influencing saxitoxin production and proliferation. , 2015, , 125-154.		4
52	9. <i>Gambierdiscus</i> , the cause of ciguatera fish poisoning: an increased human health threat influenced by climate change. , 2015, , 273-312.		9
53	Warm temperature acclimation impacts metabolism of paralytic shellfish toxins from <i>Alexandrium minutum</i> in commercial oysters. <i>Global Change Biology</i> , 2015, 21, 3402-3413.	9.5	16
54	High Specificity of a Quantitative PCR Assay Targeting a Saxitoxin Gene for Monitoring Toxic Algae Associated with Paralytic Shellfish Toxins in the Yellow Sea. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6973-6981.	3.1	25

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55	Gene duplication, loss and selection in the evolution of saxitoxin biosynthesis in alveolates. <i>Molecular Phylogenetics and Evolution</i> , 2015, 92, 165-180.	2.7	48
56	A fish kill associated with a bloom of <i>Amphidinium carterae</i> in a coastal lagoon in Sydney, Australia. <i>Harmful Algae</i> , 2015, 49, 19-28.	4.8	40
57	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
58	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. <i>PLoS Biology</i> , 2014, 12, e1001889.	5.6	885
59	<i>Cob</i> gene pyrosequencing enables characterization of benthic dinoflagellate diversity and biogeography. <i>Environmental Microbiology</i> , 2014, 16, 467-485.	3.8	29
60	<i>Akistrodinium armigerum</i> sp. nov. (Dinophyceae), a new species of heterotrophic marine sand-dwelling dinoflagellate from Japan and Australia. <i>Phycological Research</i> , 2014, 62, 125-135.	1.6	2
61	Formal Revision of the <i>Alexandrium tamarensis</i> Species Complex (Dinophyceae) Taxonomy: The Introduction of Five Species with Emphasis on Molecular-based (rDNA) Classification. <i>Protist</i> , 2014, 165, 779-804.	1.5	283
62	Gene expression and molecular evolution of <i>sxtA4</i> in a saxitoxin producing dinoflagellate <i>Alexandrium catenella</i> . <i>Toxicon</i> , 2014, 92, 102-112.	1.6	24
63	Molecular phylogenetics and morphology of <i>Gambierdiscus yasumotoi</i> from tropical eastern Australia. <i>Harmful Algae</i> , 2014, 39, 242-252.	4.8	26
64	High abundance of the potentially maitotoxinic dinoflagellate <i>Gambierdiscus carpenteri</i> in temperate waters of New South Wales, Australia. <i>Harmful Algae</i> , 2014, 39, 134-145.	4.8	60
65	<i>Alexandrium diversaporum</i> sp. nov., a new non-saxitoxin producing species: Phylogeny, morphology and <i>sxtA</i> genes. <i>Harmful Algae</i> , 2014, 31, 54-65.	4.8	22
66	A feeding study to probe the uptake of Maitotoxin by snapper (<i>Pagrus auratus</i>). <i>Harmful Algae</i> , 2014, 37, 125-132.	4.8	43
67	(2302) Proposal to reject the name <i>Gonyaulax catenella</i> (<i>Alexandrium catenella</i>) (Dinophyceae). <i>Taxon</i> , 2014, 63, 932-933.	0.7	29
68	Distribution of the genus <i>Alexandrium</i> (Halim) and paralytic shellfish toxins along the coastline of New South Wales, Australia. <i>Marine Pollution Bulletin</i> , 2013, 72, 133-145.	5.0	25
69	The diatom genus <i>Pseudo-nitzschia</i> (Bacillariophyceae) in New South Wales, Australia: morphotaxonomy, molecular phylogeny, toxicity, and distribution. <i>Journal of Phycology</i> , 2013, 49, 765-785.	2.3	32
70	Taxonomy and phylogeny of the benthic <i>Prorocentrum</i> species (Dinophyceae)—A proposal and review. <i>Harmful Algae</i> , 2013, 27, 1-28.	4.8	128
71	Evolutionary Acquisition and Loss of Saxitoxin Biosynthesis in Dinoflagellates: the Second Core Gene, <i>sxtG</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 2128-2136.	3.1	70
72	Evolution and Distribution of Saxitoxin Biosynthesis in Dinoflagellates. <i>Marine Drugs</i> , 2013, 11, 2814-2828.	4.6	58

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73	First reports of <i>Pseudo-nitzschia micropora</i> and <i>P. hasleana</i> (<i>Bacillariaceae</i>) from the Southern Hemisphere: Morphological, molecular and toxicological characterization. <i>Phycological Research</i> , 2013, 61, 237-248.	1.6	19
74	A reinvestigation of saxitoxin production and <i>sxtA</i> in the "non-toxic" <i>Alexandrium tamarense</i> Group V clade. <i>Harmful Algae</i> , 2012, 18, 96-104.	4.8	41
75	Transcriptomics and microbial eukaryote diversity: a way forward. <i>Trends in Ecology and Evolution</i> , 2012, 27, 651-652.	8.7	11
76	Genetic Diversity, Morphological Uniformity and Polyketide Production in Dinoflagellates (<i>Amphidinium</i> , <i>Dinoflagellata</i>). <i>PLoS ONE</i> , 2012, 7, e38253.	2.5	68
77	When Naked Became Armored: An Eight-Gene Phylogeny Reveals Monophyletic Origin of <i>Theca</i> in Dinoflagellates. <i>PLoS ONE</i> , 2012, 7, e50004.	2.5	86
78	Thermal adaptation in endotherms: climate and phylogeny interact to determine population-level responses in a wild rat. <i>Functional Ecology</i> , 2012, 26, 390-398.	3.6	24
79	MORPHOLOGY AND MOLECULAR PHYLOGENY OF <i>ANKISTRODINIUM</i> GEN. NOV. (DINOPHYCEAE), A NEW GENUS OF MARINE SAND-DWELLING DINOFLAGELLATES FORMERLY CLASSIFIED WITHIN <i>AMPHIDINIUM</i> ¹ . <i>Journal of Phycology</i> , 2012, 48, 1143-1152.	2.3	18
80	The Taxonomic Significance of Species That Have Only Been Observed Once: The Genus <i>Gymnodinium</i> (<i>Dinoflagellata</i>) as an Example. <i>PLoS ONE</i> , 2012, 7, e44015.	2.5	43
81	Extraordinary Conservation, Gene Loss, and Positive Selection in the Evolution of an Ancient Neurotoxin. <i>Molecular Biology and Evolution</i> , 2011, 28, 1173-1182.	8.9	103
82	<i>sxtA</i> -Based Quantitative Molecular Assay To Identify Saxitoxin-Producing Harmful Algal Blooms in Marine Waters. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7050-7057.	3.1	104
83	Discovery of Nuclear-Encoded Genes for the Neurotoxin Saxitoxin in Dinoflagellates. <i>PLoS ONE</i> , 2011, 6, e20096.	2.5	172
84	SPECIES BOUNDARIES IN THE TOXIC DINOFLAGELLATE <i>PROROCENTRUM LIMA</i> (DINOPHYCEAE), <i>Journal of Phycology</i> , 2011, 47, 178-189.	2.3	62
85	Surface and Flagella Morphology of the Motile Form of <i>Chromera velia</i> Revealed by Field-Emission Scanning Electron Microscopy. <i>Protist</i> , 2011, 162, 142-153.	1.5	18
86	Biosynthesis of toxic naturally-occurring seafood contaminants. <i>Toxicon</i> , 2010, 56, 244-258.	1.6	63
87	Genomic Contributions to Understanding the Evolution of Red Algal Plastids and Pigment Biosynthesis. <i>Cellular Origin and Life in Extreme Habitats</i> , 2010, , 261-273.	0.3	0
88	Thermal Acclimation and Regulation of Metabolism in a Reptile (<i>Crocodylus porosus</i>): The Importance of Transcriptional Mechanisms and Membrane Composition. <i>Physiological and Biochemical Zoology</i> , 2009, 82, 766-775.	1.5	32
89	Are Procentroid Dinoflagellates Monophyletic? A Study of 25 Species Based on Nuclear and Mitochondrial Genes. <i>Protist</i> , 2009, 160, 245-264.	1.5	53
90	Differential accumulation of paralytic shellfish toxins from <i>Alexandrium minutum</i> in the pearl oyster, <i>Pinctada imbricata</i> . <i>Toxicon</i> , 2009, 54, 217-223.	1.6	22

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91	Ocean urea fertilization for carbon credits poses high ecological risks. <i>Marine Pollution Bulletin</i> , 2008, 56, 1049-1056.	5.0	58
92	Novel reptilian uncoupling proteins: molecular evolution and gene expression during cold acclimation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 979-985.	2.6	19
93	Phylogenetic study of benthic, spine-bearing proro-centroids, including <i>Procentrum fukuyoi</i> sp. nov.. <i>Phycological Research</i> , 2007, 55, 91-102.	1.6	36
94	Phylogenetic study of <i>Gymnodinium dorsalisulcum</i> comb. nov. from tropical Australian coastal waters (Dinophyceae). <i>Phycological Research</i> , 2007, 55, 176-184.	1.6	19
95	Transient Receptor Potential Ion Channels Control Thermoregulatory Behaviour in Reptiles. <i>PLoS ONE</i> , 2007, 2, e281.	2.5	42
96	Phylogenetics, Molecular Biology and Ecological Impacts of a Group of Highly Unusual Protists. <i>Cellular Origin and Life in Extreme Habitats</i> , 2007, , 125-140.	0.3	0
97	<i>Bysmatrum teres</i> sp. nov., a new sand-dwelling dinoflagellate from north-western Australia. <i>Phycologia</i> , 2006, 45, 161-167.	1.4	14
98	PHYLOGENETICS OF RHINODINIUM BROOMEENSE GEN. ET SP. NOV., A PERIDINIOID, SAND-DWELLING DINOFLAGELLATE (DINOPHYCEAE). <i>Journal of Phycology</i> , 2006, 42, 934-942.	2.3	28
99	Improving the Analysis of Dinoflagellate Phylogeny based on rDNA. <i>Protist</i> , 2005, 156, 269-286.	1.5	85
100	A new genus of athecate interstitial dinoflagellates, <i>Togula</i> gen. nov., previously encompassed within <i>Amphidinium</i> sensu lato: Inferred from light and electron microscopy and phylogenetic analyses of partial large subunit ribosomal DNA sequences. <i>Phycological Research</i> , 2004, 52, 284-299.	1.6	22
101	AMPHIDINIUM REVISITED. I. REDEFINITION OF AMPHIDINIUM (DINOPHYCEAE) BASED ON CLADISTIC AND MOLECULAR PHYLOGENETIC ANALYSES 1. <i>Journal of Phycology</i> , 2004, 40, 351-365.	2.3	97
102	Historical accountability and cumulative impacts: the treatment of time in corporate sustainability reporting. <i>Ecological Economics</i> , 2004, 51, 237-250.	5.7	31
103	AMPHIDINIUM REVISITED. II. RESOLVING SPECIES BOUNDARIES IN THE AMPHIDINIUM OPERCULATUM SPECIES COMPLEX (DINOPHYCEAE), INCLUDING THE DESCRIPTIONS OF AMPHIDINIUM TRULLA SP. NOV. AND AMPHIDINIUM GIBBOSUM. COMB. NOV. 1. <i>Journal of Phycology</i> , 2004, 40, 366-382.	2.3	71
104	<i>Cabra matta</i> , gen. nov., sp. nov., a new benthic, heterotrophic dinoflagellate. <i>European Journal of Phycology</i> , 2004, 39, 229-234.	2.0	29
105	A new genus of athecate interstitial dinoflagellates, <i>Togula</i> gen. nov., previously encompassed within <i>Amphidinium</i> sensu lato: Inferred from light and electron microscopy and phylogenetic analyses of partial large subunit ribosomal DNA sequences. <i>Phycological Research</i> , 2004, 52, 284-299.	1.6	33
106	Environmental impact assessment including indirect effects—a case study using input-output analysis. <i>Environmental Impact Assessment Review</i> , 2003, 23, 263-282.	9.2	117
107	The benthic dinoflagellate genus <i>Amphidinium</i> in south-eastern Australian waters, including three new species. <i>European Journal of Phycology</i> , 2002, 37, 279-298.	2.0	52
108	<i>Amphidiniopsis korewalensis</i> sp. nov., a new heterotrophic benthic dinoflagellate. <i>Phycologia</i> , 2002, 41, 382-388.	1.4	28

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109	A modified ecological footprint method and its application to Australia. <i>Ecological Economics</i> , 2001, 37, 229-255.	5.7	347
110	Population ecology of <i>Noctiluca scintillans</i> Macartney, a red-tide-forming dinoflagellate. <i>Marine and Freshwater Research</i> , 1999, 50, 243.	1.3	27
111	Morphology and molecular phylogeny of <i>Bindiferia</i> gen. nov. (Dinophyceae), a new marine, sand-dwelling dinoflagellate genus formerly classified within <i>Amphidinium</i> . <i>Phycologia</i> , 0, , 1-13.	1.4	6