Mireille Chinain

List of Publications by Year
in descending order

88	3,815	109321 35	133252 59
papers	citations	h-index	g-index

91	91	91	1863
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global distribution of ciguatera causing dinoflagellates in the genus Gambierdiscus. Toxicon, 2010, 56, 711-730.	1.6	216
2	Taxonomy ofGambierdiscusincluding four new species,Gambierdiscus caribaeus, Gambierdiscus carolinianus, Gambierdiscus carpenteriandGambierdiscus ruetzleri(Gonyaulacales, Dinophyceae). Phycologia, 2009, 48, 344-390.	1.4	189
3	Perceived global increase in algal blooms is attributable to intensified monitoring and emerging bloom impacts. Communications Earth & Environment, 2021, 2, .	6.8	185
4	Growth and toxin production in the ciguatera-causing dinoflagellate Gambierdiscus polynesiensis (Dinophyceae) in culture. Toxicon, 2010, 56, 739-750.	1.6	179
5	MORPHOLOGY AND MOLECULAR ANALYSES OF THREE TOXIC SPECIES OF GAMBIERDISCUS (DINOPHYCEAE): G. PACIFICUS, SP. NOV., G. AUSTRALES, SP. NOV., AND G. POLYNESIENSIS, SP. NOV.. Journal of Phycology, 1999, 35, 1282-1296.	2.3	178
6	Structural Elucidation of Ciguatoxin Congeners by Fast-Atom Bombardment Tandem Mass Spectroscopy. Journal of the American Chemical Society, 2000, 122, 4988-4989.	13.7	175
7	Update on Methodologies Available for Ciguatoxin Determination: Perspectives to Confront the Onset of Ciguatera Fish Poisoning in Europe. Marine Drugs, 2010, 8, 1838-1907.	4.6	138
8	Seawater temperature, Gambierdiscus spp. variability and incidence of ciguatera poisoning in French Polynesia. Harmful Algae, 2005, 4, 1053-1062.	4.8	109
9	Ciguatera risk management in French Polynesia: The case study of Raivavae Island (Australes) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	100
10	First Evidence of Palytoxin and 42-Hydroxy-palytoxin in the Marine Cyanobacterium Trichodesmium. Marine Drugs, 2011, 9, 543-560.	4.6	99
11	Seasonal abundance and toxicity of the dinoflagellate Gambierdiscus spp. (Dinophyceae), the causative agent of ciguatera in Tahiti, French Polynesia. Marine Biology, 1999, 135, 259-267.	1.5	98
12	Ciguatera risk assessment in two toxic sites of French Polynesia using the receptor-binding assay. Toxicon, 2007, 50, 612-626.	1.6	95
13	Harmful Algal Blooms in Benthic Systems: Recent Progress and Future Research. Oceanography, 2017, 30, 36-45.	1.0	76
14	DEVELOPMENT OF SEMIâ€QUANTITATIVE PCR ASSAYS FOR THE DETECTION AND ENUMERATION OF GAMBIERDISCUS SPECIES (GONYAULACALES, DINOPHYCEAE)¹. Journal of Phycology, 2012, 48, 902-915.	2.3	71
15	Ciguatera poisonings: A global review of occurrences and trends. Harmful Algae, 2021, 102, 101873.	4.8	68
16	Are cyanobacteria involved in Ciguatera Fish Poisoning-like outbreaks in New Caledonia?. Harmful Algae, 2008, 7, 827-838.	4.8	63
17	First identification of the neurotoxin homoanatoxin-a from mats of Hydrocoleum lyngbyaceum (marine cyanobacterium) possibly linked to giant clam poisoning in New Caledonia. Toxicon, 2010, 56, 829-835.	1.6	60
18	Tectus niloticus (Tegulidae, Gastropod) as a Novel Vector of Ciguatera Poisoning: Detection of Pacific Ciguatoxins in Toxic Samples from Nuku Hiva Island (French Polynesia). Toxins, 2018, 10, 2.	3.4	54

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19	Evidence of the bioaccumulation of ciguatoxins in giant clams (Tridacna maxima) exposed to Gambierdiscus spp. cells. Harmful Algae, 2016, 57, 78-87.	4.8	53
20	Dynamics of ciguatoxins from Gambierdiscus polynesiensis in the benthic herbivore Mugil cephalus: Trophic transfer implications. Harmful Algae, 2014, 39, 165-174.	4.8	52
21	Evaluation of seafood toxicity in the Australes archipelago (French Polynesia) using the neuroblastoma cell-based assay. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 567-586.	2.3	51
22	Fluorescent Receptor Binding Assay for Detecting Ciguatoxins in Fish. PLoS ONE, 2016, 11, e0153348.	2.5	50
23	Characterisation of the anti-inflammatory potential of Vitex trifolia L. (Labiatae), a multipurpose plant of the Pacific traditional medicine. Journal of Ethnopharmacology, 2009, 126, 427-433.	4.1	47
24	Experimental evidence of dietary ciguatoxin accumulation in an herbivorous coral reef fish. Aquatic Toxicology, 2018, 200, 257-265.	4.0	46
25	Detection of pacific ciguatoxins using liquid chromatography coupled to either low or high resolution mass spectrometry (LC-MS/MS). Journal of Chromatography A, 2018, 1571, 16-28.	3.7	45
26	Prevalence of Chronic Symptoms of Ciguatera Disease in French Polynesian Adults. American Journal of Tropical Medicine and Hygiene, 2007, 77, 842-846.	1.4	44
27	The role of macroalgae in epiphytism of the toxic dinoflagellate Gambierdiscus toxicus (Dinophyceae). Phycological Research, 1996, 44, 113-117.	1.6	43
28	Protective effect of Heliotropium foertherianum (Boraginaceae) folk remedy and its active compound, rosmarinic acid, against a Pacific ciguatoxin. Journal of Ethnopharmacology, 2012, 143, 33-40.	4.1	43
29	Toxicological Investigations on the Sea Urchin Tripneustes gratilla (Toxopneustidae, Echinoid) from Anaho Bay (Nuku Hiva, French Polynesia): Evidence for the Presence of Pacific Ciguatoxins. Marine Drugs, 2018, 16, 122.	4.6	42
30	Intraspecific Variability in the Toxin Production and Toxin Profiles of In Vitro Cultures of Gambierdiscus polynesiensis (Dinophyceae) from French Polynesia. Toxins, 2019, 11, 735.	3.4	41
31	Biomonitoring of ciguatoxin exposure in mice using blood collection cards. Toxicon, 2005, 46, 243-251.	1.6	40
32	Ciguatera fish toxicity in French Polynesia: Size does not always matter. Toxicon, 2014, 84, 41-50.	1.6	40
33	Neuroprotective Effects of Rosmarinic Acid on Ciguatoxin in Primary Human Neurons. Neurotoxicity Research, 2014, 25, 226-234.	2.7	39
34	Marine toxic cyanobacteria: Diversity, environmental responses and hazards. Toxicon, 2010, 56, 836-841.	1.6	38
35	Detection of ciguatoxin-like and paralysing toxins in Trichodesmium spp. from New Caledonia lagoon. Marine Pollution Bulletin, 2010, 61, 360-366.	5.0	37
36	Effects of epiphytic bacteria on the growth of the toxic dinoflagellate Gambierdiscus toxicus (Dinophyceae). Journal of Experimental Marine Biology and Ecology, 1999, 233, 231-246.	1.5	36

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37	Ability of certain plant extracts traditionally used to treat ciguatera fish poisoning to inhibit nitric oxide production in RAW 264.7 macrophages. Journal of Ethnopharmacology, 2009, 123, 369-377.	4.1	36
38	Revisiting the Neuroblastoma Cell-Based Assay (CBA-N2a) for the Improved Detection of Marine Toxins Active on Voltage Gated Sodium Channels (VGSCs). Toxins, 2020, 12, 281.	3.4	35
39	Characterization of mice antisera elicited with a ciguatoxin tetracyclic synthetic ring fragment (JKLM) conjugated to carrier proteins. Toxicon, 2000, 38, 669-685.	1.6	32
40	Solid Phase Adsorption Toxin Tracking (SPATT) Technology for the Monitoring of Aquatic Toxins: A Review. Toxins, 2018, 10, 167.	3.4	29
41	Ciguatera poisoning in French Polynesia: insights into the novel trends of an ancient disease. New Microbes and New Infections, 2019, 31, 100565.	1.6	29
42	Ostreopsis lenticularis Y. Fukuyo (Dinophyceae, Gonyaulacales) from French Polynesia (South Pacific) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.8	29
43	A Review of Traditional Remedies of Ciguatera Fish Poisoning in the Pacific. Phytotherapy Research, 2011, 25, 947-958.	5.8	28
44	Transcriptome sequencing reveals single domain Type I-like polyketide synthases in the toxic dinoflagellate Gambierdiscus polynesiensis. Harmful Algae, 2014, 36, 29-37.	4.8	28
45	Tectus niloticus (Tegulidae, Gastropod) as a Novel Vector of Ciguatera Poisoning: Clinical Characterization and Follow-Up of a Mass Poisoning Event in Nuku Hiva Island (French Polynesia). Toxins, 2018, 10, 102.	3.4	28
46	Use of folk tests to detect ciguateric fish: a scientific evaluation of their effectiveness in Raivavae Island (Australes, French Polynesia). Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 550-566.	2.3	26
47	Cytotoxic Effects of Environmental Toxins on Human Glial Cells. Neurotoxicity Research, 2017, 31, 245-258.	2.7	26
48	Application of solid phase adsorption toxin tracking (SPATT) devices for the field detection of Gambierdiscus toxins. Harmful Algae, 2018, 71, 40-49.	4.8	26
49	INTRASPECIFIC VARIATION IN THE DINOFLAGELLATE GAMBIERDISCUS TOXICUS (DINOPHYCEAE). I. ISOZYME ANALYSIS1. Journal of Phycology, 1997, 33, 36-43.	2.3	25
50	Modulation of inducible nitric oxide synthase gene expression in RAW 264.7 murine macrophages by Pacific ciguatoxin. Nitric Oxide - Biology and Chemistry, 2008, 19, 21-28.	2.7	25
51	Pacific ciguatoxin 1B-induced modulation of inflammatory mediators in a murine macrophage cell line. Toxicon, 2010, 56, 776-784.	1.6	23
52	Ciguatera fish poisoning: Incidence, health costs and risk perception on Moorea Island (Society) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	4.8	23
53	LSU rDNA based RFLP assays for the routine identification of Gambierdiscus species. Harmful Algae, 2017, 66, 20-28.	4.8	23
54	Evidence for the Range Expansion of Ciguatera in French Polynesia: A Revisit of the 2009 Mass-Poisoning Outbreak in Rapa Island (Australes Archipelago). Toxins, 2020, 12, 759.	3.4	23

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55	Investigation of ciguatoxins in invasive lionfish from the greater caribbean region: Implications for fishery development. PLoS ONE, 2018, 13, e0198358.	2.5	22
56	Experimental study of Fusarium solani: infections in Astacus leptodactylus and Pacifastacus leniusculus (Crustacea, Decapoda). Diseases of Aquatic Organisms, 1988, 5, 215-223.	1.0	18
57	An improved method for the production of antibodies to lipophilic carboxylic hapten using small amount of hapten-carrier conjugate. Journal of Immunological Methods, 1998, 220, 105-114.	1.4	17
58	MOLECULAR CHARACTERIZATION OF THE DIVERSITY AND POTENTIAL TOXICITY OF CYANOBACTERIAL MATS IN TWO TROPICAL LAGOONS IN THE SOUTH PACIFIC OCEAN¹. Journal of Phycology, 2012, 48, 275-284.	2.3	17
59	Neurologic Signs of Ciguatera Disease: Evidence of their Persistence. American Journal of Tropical Medicine and Hygiene, 2007, 77, 1170-1175.	1.4	17
60	Prevalence of chronic symptoms of ciguatera disease in French Polynesian adults. American Journal of Tropical Medicine and Hygiene, 2007, 77, 842-6.	1.4	17
61	Polyclonal and monoclonal antibodies to PbTx-2-type brevetoxins using minute amount of haptenâ€“protein conjugates obtained in a reversed micellar medium. Toxicon, 2001, 39, 869-878.	1.6	16
62	An Improved Method for the Microscale Preparation and Characterization of Haptenâ^'Protein Conjugates:Â The Use of Cholesterol as a Model for Nonchromophore Hydroxylated Haptens. Bioconjugate Chemistry, 1999, 10, 1143-1149.	3.6	15
63	Tissue Distribution and Elimination of Ciguatoxins in Tridacna maxima (Tridacnidae, Bivalvia) Fed Gambierdiscus polynesiensis. Toxins, 2018, 10, 189.	3.4	15
64	Diversity and toxic potential of algal bloom-forming species from Takaroa lagoon (Tuamotu, French) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	15
65	Effects of pH and Nutrients (Nitrogen) on Growth and Toxin Profile of the Ciguatera-Causing Dinoflagellate Gambierdiscus polynesiensis (Dinophyceae). Toxins, 2020, 12, 767.	3.4	14
66	Assessment of Ciguatera and Other Phycotoxin-Related Risks in Anaho Bay (Nuku Hiva Island, French) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.4	14
67	Transcriptomic analysis of polyketide synthases in a highly ciguatoxic dinoflagellate, Gambierdiscus polynesiensisÂand low toxicity Gambierdiscus pacificus, from French Polynesia. PLoS ONE, 2020, 15, e0231400.	2.5	14
68	Preparation and Characterization of Domoic Acidâ^'Protein Conjugates Using Small Amount of Toxin in a Reversed Micellar Medium:Â Application in a Competitive Enzyme-Linked Immunosorbent Assay. Bioconjugate Chemistry, 1999, 10, 1137-1142.	3.6	13
69	Taxonomy and toxicity of a bloom-forming Ostreopsis species (Dinophyceae, Gonyaulacales) in Tahiti island (South Pacific Ocean): one step further towards resolving the identity of O. siamensis.. Harmful Algae, 2020, 98, 101888.	4.8	12
70	Special issue on â€œCiguatera and Related Biotoxinsâ€• Toxicon, 2010, 56, 653-655.	1.6	11
71	Exploring benthic cyanobacterial diversity and co-occurring potentially harmful dinoflagellates in six islands of the South Pacific. Hydrobiologia, 2021, 848, 2815-2829.	2.0	11
72	Studies on the benthic genus Sinophysis (Dinophysales, Dinophyceae) II. S. canaliculata from Rapa Island (French Polynesia). Phycologia, 2017, 56, 193-203.	1.4	10

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73	Experimental Evidence of Ciguatoxin Accumulation and Depuration in Carnivorous Lionfish. Toxins, 2021, 13, 564.	3.4	10
74	Comparative Study on the Performance of Three Detection Methods for the Quantification of Pacific Ciguatoxins in French Polynesian Strains of Gambierdiscus polynesiensis. Marine Drugs, 2022, 20, 348.	4.6	10
75	Ciguatoxins activate the Calcineurin signalling pathway in Yeasts: Potential for development of an alternative detection tool?. Environmental Research, 2018, 162, 144-151.	7.5	9
76	Deep-Water Fish Are Potential Vectors of Ciguatera Poisoning in the Gambier Islands, French Polynesia. Marine Drugs, 2021, 19, 644.	4.6	9
77	A framework for mapping local knowledge on ciguatera and artisanal fisheries to inform systematic conservation planning. ICES Journal of Marine Science, 2021, 78, 1357-1371.	2.5	8
78	An appraisal of systematic conservation planning for Pacific Ocean Tropical Islands coastal environments. Marine Pollution Bulletin, 2021, 165, 112131.	5.0	7
79	Deeper insight into Gambierdiscus polynesiensis toxin production relies on specific optimization of high-performance liquid chromatography-high resolution mass spectrometry. Talanta, 2021, 232, 122400.	5.5	7
80	A systematic prioritization approach for identifying suitable pearl oyster restocking zones following a mass mortality event in Takaroa Atoll, French Polynesia. Marine Pollution Bulletin, 2022, 176, 113472.	5.0	7
81	Assessment of the Chemical Diversity and Potential Toxicity of Benthic Cyanobacterial Blooms in the Lagoon of Moorea Island (French Polynesia). Journal of Marine Science and Engineering, 2020, 8, 406.	2.6	6
82	Screening for Predictors of Chronic Ciguatera Poisoning: An Exploratory Analysis among Hospitalized Cases from French Polynesia. Toxins, 2021, 13, 646.	3.4	6
83	Spatial Solutions and Their Impacts When Reshuffling Coastal Management Priorities in Small Islands with Limited Diversification Opportunities. Sustainability, 2022, 14, 3871.	3.2	6
84	10 Ciguatera poisoning: an increasing burden for Pacific island communities in light of climate change?. , 2020, , 369-428.		4
85	Evaluating Age and Growth Relationship to Ciguatoxicity in Five Coral Reef Fish Species from French Polynesia. Marine Drugs, 2022, 20, 251.	4.6	4
86	Ciguatoxins, a group of polyether neurotoxins which interact with sodium channels. Toxicon, 1995, 33, 717-718.	1.6	2
87	CiguatÃ©ra : aspects Ã©cologiques, biologiques et toxicologiques. Revue Francophone Des Laboratoires, 2014, 2014, 27-39.	0.0	2
88	Clinical Toxicology of Ciguatera Poisoning. , 2017, , 59-74.		0