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	Spatial Solutions and Their Impacts When Reshuffling Coastal Management Priorities in Small Islands with Limited Diversification Opportunities. Sustainability, 2022, 14, 3871.	3.2	6
2	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
3	Evaluating Age and Growth Relationship to Ciguatoxicity in Five Coral Reef Fish Species from French Polynesia. Marine Drugs, 2022, 20, 251.	4.6	4
4	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
5	Ciguatera poisonings: A global review of occurrences and trends. Harmful Algae, 2021, 102, 101873.	4.8	68
6	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
7	An appraisal of systematic conservation planning for Pacific Ocean Tropical Islands coastal environments. Marine Pollution Bulletin, 2021, 165, 112131.	5.0	7
8	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
9	Perceived global increase in algal blooms is attributable to intensified monitoring and emerging bloom impacts. Communications Earth & Environment, 2021, 2, .	6.8	185
10	Experimental Evidence of Ciguatoxin Accumulation and Depuration in Carnivorous Lionfish. Toxins, 2021, 13, 564.	3.4	10
11	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
12	Screening for Predictors of Chronic Ciguatera Poisoning: An Exploratory Analysis among Hospitalized Cases from French Polynesia. Toxins, 2021, 13, 646.	3.4	6
13	Deep-Water Fish Are Potential Vectors of Ciguatera Poisoning in the Gambier Islands, French Polynesia. Marine Drugs, 2021, 19, 644.	4.6	9
14	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
15	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
16	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
17	Assessment of Ciguatera and Other Phycotoxin-Related Risks in Anaho Bay (Nuku Hiva Island, French) Tj ETQq1 1 0.784314 rgBT /Ove	3.4	14
18	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

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19	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
20	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
21	10 Ciguatera poisoning: an increasing burden for Pacific island communities in light of climate change?. , 2020, , 369-428.		4
22	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
23	Ostreopsis lenticularis Y. Fukuyo (Dinophyceae, Gonyaulacales) from French Polynesia (South Pacific) Tj ETQq1 1 0.784314 rgBT /Ove	4.8	29
24	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
25	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
26	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
27	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
28	Investigation of ciguatoxins in invasive lionfish from the greater caribbean region: Implications for fishery development. PLoS ONE, 2018, 13, e0198358.	2.5	22
29	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
30	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
31	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
32	Solid Phase Adsorption Toxin Tracking (SPATT) Technology for the Monitoring of Aquatic Toxins: A Review. Toxins, 2018, 10, 167.	3.4	29
33	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
34	Tissue Distribution and Elimination of Ciguatoxins in Tridacna maxima (Tridacnidae, Bivalvia) Fed Gambierdiscus polynesiensis. Toxins, 2018, 10, 189.	3.4	15
35	Experimental evidence of dietary ciguatoxin accumulation in an herbivorous coral reef fish. Aquatic Toxicology, 2018, 200, 257-265.	4.0	46
36	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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37	LSU rDNA based RFLP assays for the routine identification of Gambierdiscus species. Harmful Algae, 2017, 66, 20-28.	4.8	23
38	Cytotoxic Effects of Environmental Toxins on Human Glial Cells. Neurotoxicity Research, 2017, 31, 245-258.	2.7	26
39	Harmful Algal Blooms in Benthic Systems: Recent Progress and Future Research. Oceanography, 2017, 30, 36-45.	1.0	76
40	Clinical Toxicology of Ciguatera Poisoning. , 2017, , 59-74.		0
41	Ciguatera fish poisoning: Incidence, health costs and risk perception on Moorea Island (Society) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.8	23
42	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
43	Fluorescent Receptor Binding Assay for Detecting Ciguatoxins in Fish. PLoS ONE, 2016, 11, e0153348.	2.5	50
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	Neuroprotective Effects of Rosmarinic Acid on Ciguatoxin in Primary Human Neurons. Neurotoxicity Research, 2014, 25, 226-234.	2.7	39
46	Dynamics of ciguatoxins from Gambierdiscus polynesiensis in the benthic herbivore Mugil cephalus: Trophic transfer implications. Harmful Algae, 2014, 39, 165-174.	4.8	52
47	CiguatÃ©ra : aspects Ã©cologiques, biologiques et toxicologiques. Revue Francophone Des Laboratoires, 2014, 2014, 27-39.	0.0	2
48	Ciguatera fish toxicity in French Polynesia: Size does not always matter. Toxicon, 2014, 84, 41-50.	1.6	40
49	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
50	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
51	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
52	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
53	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
54	First Evidence of Palytoxin and 42-Hydroxy-palytoxin in the Marine Cyanobacterium Trichodesmium. Marine Drugs, 2011, 9, 543-560.	4.6	99

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55	A Review of Traditional Remedies of Ciguatera Fish Poisoning in the Pacific. Phytotherapy Research, 2011, 25, 947-958.	5.8	28
56	Detection of ciguatoxin-like and paralysing toxins in Trichodesmium spp. from New Caledonia lagoon. Marine Pollution Bulletin, 2010, 61, 360-366.	5.0	37
57	Ciguatera risk management in French Polynesia: The case study of Raivavae Island (Australes) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	100
58	Pacific ciguatoxin 1B-induced modulation of inflammatory mediators in a murine macrophage cell line. Toxicon, 2010, 56, 776-784.	1.6	23
59	Growth and toxin production in the ciguatera-causing dinoflagellate Gambierdiscus polynesiensis (Dinophyceae) in culture. Toxicon, 2010, 56, 739-750.	1.6	179
60	Marine toxic cyanobacteria: Diversity, environmental responses and hazards. Toxicon, 2010, 56, 836-841.	1.6	38
61	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
62	Global distribution of ciguatera causing dinoflagellates in the genus Gambierdiscus. Toxicon, 2010, 56, 711-730.	1.6	216
63	Special issue on â€œCiguatera and Related Biotoxinsâ€• Toxicon, 2010, 56, 653-655.	1.6	11
64	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
65	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
66	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
67	Taxonomy ofGambierdiscusincluding four new species,Gambierdiscus caribaeus, Gambierdiscus carolinianus, Gambierdiscus carpenteriandGambierdiscus ruetzleri(Gonyaulacales, Dinophyceae). Phycologia, 2009, 48, 344-390.	1.4	189
68	Are cyanobacteria involved in Ciguatera Fish Poisoning-like outbreaks in New Caledonia?. Harmful Algae, 2008, 7, 827-838.	4.8	63
69	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
70	Ciguatera risk assessment in two toxic sites of French Polynesia using the receptor-binding assay. Toxicon, 2007, 50, 612-626.	1.6	95
71	Neurologic Signs of Ciguatera Disease: Evidence of their Persistence. American Journal of Tropical Medicine and Hygiene, 2007, 77, 1170-1175.	1.4	17
72	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

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73	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
74	Biomonitoring of ciguatoxin exposure in mice using blood collection cards. Toxicon, 2005, 46, 243-251.	1.6	40
75	Seawater temperature, Gambierdiscus spp. variability and incidence of ciguatera poisoning in French Polynesia. Harmful Algae, 2005, 4, 1053-1062.	4.8	109
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	INTRASPECIFIC VARIATION IN THE DINOFLAGELLATE GAMBIERDISCUS TOXICUS (DINOPHYCEAE). I. ISOZYME ANALYSIS1. Journal of Phycology, 1997, 33, 36-43.	2.3	25
86	The role of macroalgae in epiphytism of the toxic dinoflagellate Gambierdiscus toxicus (Dinophyceae). Phycological Research, 1996, 44, 113-117.	1.6	43
87	Ciguatoxins, a group of polyether neurotoxins which interact with sodium channels. Toxicon, 1995, 33, 717-718.	1.6	2
88	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