David Harwood

List of Publications by Year
in descending order

63	1,763	236925 25	289244 40
papers	citations	h-index	g-index

63	63	63	1064
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a sensitive and selective liquid chromatographyâ€“mass spectrometry method for high throughput analysis of paralytic shellfish toxins using graphitised carbon solid phase extraction. Journal of Chromatography A, 2015, 1387, 1-12.	3.7	180
2	Single-Laboratory Validation of a Multitoxin Ultra-Performance LC-Hydrophilic Interaction LC-MS/MS Method for Quantitation of Paralytic Shellfish Toxins in Bivalve Shellfish. Journal of AOAC INTERNATIONAL, 2015, 98, 609-621.	1.5	111
3	Production of ciguatoxin and maitotoxin by strains of Gambierdiscus australes, G. pacificus and G. polynesiensis (Dinophyceae) isolated from Rarotonga, Cook Islands. Harmful Algae, 2014, 39, 185-190.	4.8	70
4	High abundance of the potentially maitotoxic dinoflagellate Gambierdiscus carpenteri in temperate waters of New South Wales, Australia. Harmful Algae, 2014, 39, 134-145.	4.8	60
5	A new Gambierdiscus species (Dinophyceae) from Rarotonga, Cook Islands: Gambierdiscus cheloniae sp. nov. Harmful Algae, 2016, 60, 45-56.	4.8	60
6	Tetrodotoxin in marine bivalves and edible gastropods: A mini-review. Chemosphere, 2019, 236, 124404.	8.2	58
7	Polyketide synthesis genes associated with toxin production in two species of Gambierdiscus (Dinophyceae). BMC Genomics, 2015, 16, 410.	2.8	56
8	A new species of Gambierdiscus (Dinophyceae) from the south-west Pacific: Gambierdiscus honu sp. nov.. Harmful Algae, 2017, 65, 61-70.	4.8	56
9	Characterization of Gambierdiscus lapillus sp. nov. (Gonyaulacales, Dinophyceae): a new toxic dinoflagellate from the Great Barrier Reef (Australia). Journal of Phycology, 2017, 53, 283-297.	2.3	56
10	Ultrahigh-Performance Hydrophilic Interaction Liquid Chromatography with Tandem Mass Spectrometry Method for the Determination of Paralytic Shellfish Toxins and Tetrodotoxin in Mussels, Oysters, Clams, Cockles, and Scallops: Collaborative Study. Journal of AOAC INTERNATIONAL, 2020, 103, 533-562.	1.5	53
11	Ciguatoxins and Maitotoxins in Extracts of Sixteen Gambierdiscus Isolates and One Fukuyoa Isolate from the South Pacific and Their Toxicity to Mice by Intraperitoneal and Oral Administration. Marine Drugs, 2017, 15, 208.	4.6	48
12	Refinement and implementation of the Lawrence method (AOAC 2005.06) in a commercial laboratory: Assay performance during an Alexandrium catenella bloom event. Harmful Algae, 2013, 24, 20-31.	4.8	47
13	Recent Trends in Marine Phycotoxins from Australian Coastal Waters. Marine Drugs, 2017, 15, 33.	4.6	45
14	Toxicology of Gambierdiscus spp. (Dinophyceae) from Tropical and Temperate Australian Waters. Marine Drugs, 2018, 16, 7.	4.6	44
15	A feeding study to probe the uptake of Maitotoxin by snapper (Pagrus auratus). Harmful Algae, 2014, 37, 125-132.	4.8	43
16	Molecular and phylogenetic characterization of Ostreopsis (Dinophyceae) and the description of a new species, Ostreopsis rhodesae sp. nov., from a subtropical Australian lagoon. Harmful Algae, 2016, 60, 116-130.	4.8	42
17	Epiphytic dinoflagellates in sub-tropical New Zealand, in particular the genus Coolia Meunier. Harmful Algae, 2014, 34, 36-41.	4.8	39
18	A sensitive assay for palytoxins, ovatoxins and ostreocins using LC-MS/MS analysis of cleavage fragments from micro-scale oxidation. Toxicon, 2012, 60, 810-820.	1.6	36

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19	Development of an LCâ€“MS/MS method to simultaneously monitor maitotoxins and selected ciguatoxins in algal cultures and P-CTX-1B in fish. Harmful Algae, 2018, 80, 80-87.	4.8	35
20	44-Methylgambierone, a new gambierone analogue isolated from Gambierdiscus australes. Tetrahedron Letters, 2019, 60, 621-625.	1.4	34
21	The Epiphytic Genus Gambierdiscus (Dinophyceae) in the Kermadec Islands and Zealandia Regions of the Southwestern Pacific and the Associated Risk of Ciguatera Fish Poisoning. Marine Drugs, 2017, 15, 219.	4.6	32
22	The Acute Toxicity of Tetrodotoxin and Tetrodotoxinâ€“Saxitoxin Mixtures to Mice by Various Routes of Administration. Toxins, 2018, 10, 423.	3.4	32
23	Acute Toxicities of the Saxitoxin Congeners Gonyautoxin 5, Gonyautoxin 6, Decarbamoyl Gonyautoxin 2&3, Decarbamoyl Neosaxitoxin, C-1&2 and C-3&4 to Mice by Various Routes of Administration. Toxins, 2017, 9, 73.	3.4	29
24	Corrigendum to â€˜Production of ciguatoxin and maitotoxin by strains of Gambierdiscus australes, G. pacificus and G. polynesiensis (Dinophyceae) isolated from Rarotonga, Cook Islandsâ€™ [Harmful Algae 39 (2014) 185â€“190]. Harmful Algae, 2016, 55, 295.	4.8	28
25	Phylogeny, morphology and toxicity of benthic dinoflagellates of the genus Fukuyoa (Goniodomataceae, Dinophyceae) from a subtropical reef ecosystem in the South China Sea. Harmful Algae, 2018, 74, 78-97.	4.8	27
26	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
27	The dinoflagellate genera Gambierdiscus and Ostreopsis from subtropical Raoul Island and North Meyer Island, Kermadec Islands. New Zealand Journal of Marine and Freshwater Research, 2017, 51, 490-504.	2.0	25
28	The role of 44-methylgambierone in ciguatera fish poisoning: Acute toxicity, production by marine microalgae and its potential as a biomarker for Gambierdiscus spp.. Harmful Algae, 2020, 97, 101853.	4.8	25
29	Alexandrium diversaporum sp. nov., a new non-saxitoxin producing species: Phylogeny, morphology and sxtA genes. Harmful Algae, 2014, 31, 54-65.	4.8	22
30	Re-evaluation of paralytic shellfish toxin profiles in cyanobacteria using hydrophilic interaction liquid chromatography-tandem mass spectrometry. Toxicon, 2019, 158, 1-7.	1.6	20
31	Paralytic shellfish toxins, including deoxydecarbamoyl-STX, in wild-caught Tasmanian abalone (Haliotis rubra). Toxicon, 2014, 90, 213-225.	1.6	19
32	Molecular phylogeny, morphology and toxigenicity of Ostreopsis cf. siamensis (Dinophyceae) from temperate southâ€east Australia. Phycological Research, 2016, 64, 146-159.	1.6	19
33	Spatial variability and depuration of tetrodotoxin in the bivalve Paphies australis from New Zealand. Toxicon: X, 2019, 2, 100008.	2.9	18
34	Acute Toxicity of Gambierone and Quantitative Analysis of Gambierones Produced by Cohabitating Benthic Dinoflagellates. Toxins, 2021, 13, 333.	3.4	18
35	Warm temperature acclimation impacts metabolism of paralytic shellfish toxins from Alexandrium minutum in commercial oysters. Global Change Biology, 2015, 21, 3402-3413.	9.5	16
36	Experimental uptake and depuration of paralytic shellfish toxins in Southern Rock Lobster, Jasus edwardsii. Toxicon, 2018, 143, 44-50.	1.6	14

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37	Toxicological characterization of Fukuyoa paulensis (Dinophyceae) from temperate Australia. Phycological Research, 2019, 67, 65-71.	1.6	13
38	Transcriptomic investigation into polyketide toxin synthesis in Ostreopsis (Dinophyceae) species. Environmental Microbiology, 2019, 21, 4196-4211.	3.8	12
39	Survey of Tetrodotoxin in New Zealand Bivalve Molluscan Shellfish over a 16-Month Period. Toxins, 2020, 12, 512.	3.4	12
40	Update of the Planktonic Diatom Genus Pseudo-nitzschia in Aotearoa New Zealand Coastal Waters: Genetic Diversity and Toxin Production. Toxins, 2021, 13, 637.	3.4	12
41	A sensitive LC-MS/MS assay for brevisulcenal and brevisulcatic acid toxins produced by the dinoflagellate Karenia brevisulcata. Toxicon, 2014, 84, 19-27.	1.6	11
42	Brevisulcatic Acids, Marine Ladder-Frame Polyethers from the Red Tide Dinoflagellate Karenia brevisulcata in New Zealand. Organic Letters, 2014, 16, 5850-5853.	4.6	11
43	Accumulation and depuration of paralytic shellfish toxins by Australian abalone Haliotis rubra : Conclusive association with Gymnodinium catenatum dinoflagellate blooms. Food Control, 2017, 73, 971-980.	5.5	11
44	Morphology and Phylogenetics of Benthic Prorocentrum Species (Dinophyceae) from Tropical Northwestern Australia. Toxins, 2019, 11, 571.	3.4	11
45	Paralytic shellfish toxins â€“ Call for uniform reporting units. Toxicon, 2020, 178, 59-60.	1.6	11
46	Sample Preparation Prior to Marine Toxin Analysis. Comprehensive Analytical Chemistry, 2017, 78, 89-136.	1.3	10
47	Single-Laboratory Validation of the Neogen Qualitative Lateral Flow Immunoassay for the Detection of Paralytic Shellfish Toxins in Mussels and Oysters. Journal of AOAC INTERNATIONAL, 2018, 101, 480-489.	1.5	9
48	Risk Assessment of Pectenotoxins in New Zealand Bivalve Molluscan Shellfish, 2009â€“2019. Toxins, 2020, 12, 776.	3.4	9
49	Paralytic shellfish toxin uptake, tissue distribution, and depuration in the Southern Rock Lobster Jasus edwardsii Hutton. Harmful Algae, 2020, 95, 101818.	4.8	9
50	Hemolysis associated toxicities of benthic dinoflagellates from Hong Kong waters. Marine Pollution Bulletin, 2020, 155, 111114.	5.0	9
51	Clinical diagnosis and chemical confirmation of ciguatera fish poisoning in New South Wales, Australia. Communicable Diseases Intelligence, 2016, 40, E1-6.	0.5	9
52	Grazing on a toxic Alexandrium catenella bloom by the lobster krill Munida gregaria (Decapoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	4.8	8
53	Molecular Detection of theSxtaGene from Saxitoxin-ProducingAlexandrium minutumin Commercial Oysters. Journal of Shellfish Research, 2016, 35, 169-177.	0.9	8
54	Uptake of Paralytic Shellfish Toxins by Blacklip Abalone (Haliotis rubra rubra Leach) from direct exposure to Alexandrium catenella microalgal cells and toxic aquaculture feed. Harmful Algae, 2020, 99, 101925.	4.8	8

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55	Structural Characterization of Maitotoxins Produced by Toxic Gambierdiscus Species. Marine Drugs, 2022, 20, 453.	4.6	8
56	Sub-Acute Feeding Study of Saxitoxin to Mice Confirms the Effectiveness of Current Regulatory Limits for Paralytic Shellfish Toxins. Toxins, 2021, 13, 627.	3.4	6
57	Brevisulcatic Acids from a Marine Microalgal Species Implicated in a Toxic Event in New Zealand. Heterocycles, 2016, 92, 45.	0.7	5
58	Acute toxicity of decarbamoyl gonyautoxin 1&4 to mice by various routes of administration. Toxicon, 2021, 204, 56-63.	1.6	5
59	Fate of Paralytic Shellfish Toxins in Southern Rock Lobster (Jasus edwardsii) during Cooking: Concentration, Composition, and Distribution. Journal of Food Protection, 2017, 81, 240-245.	1.7	3
60	Brevisulcenals-A1 and A2, Sulfate Esters of Brevisulcenals, Isolated from the Red Tide Dinoflagellate Karenia brevisulcata. Toxins, 2021, 13, 82.	3.4	3
61	Brevisulcenal-G, -H, and â€“I, Polycyclic Ether Marine Toxins from the Dinoflagellate Karenia brevisulcata. Heterocycles, 2018, 96, 2096.	0.7	3
62	Detection of Paralytic Shellfish Toxins in Southern Rock Lobster Jasus edwardsii Using the Qualitative Neogenâ„¢ Lateral Flow Immunoassay: Single-Laboratory Validation. Journal of AOAC INTERNATIONAL, 2020, 103, 784-791.	1.5	2
63	Field Validation of the Southern Rock Lobster Paralytic Shellfish Toxin Monitoring Program in Tasmania, Australia. Marine Drugs, 2021, 19, 510.	4.6	2