

Brett R Hamilton

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,523
citations

218677

26
h-index

189892

50
g-index

52
all docs

52
docs citations

52
times ranked

3092
citing authors

#	ARTICLE	IF	CITATIONS
1	Venoms for all occasions: The functional toxin profiles of different anatomical regions in sea anemones are related to their ecological function. <i>Molecular Ecology</i> , 2022, 31, 866-883.	3.9	21
2	Cryo-ultramicrotomy and Mass Spectrometry Imaging Analysis of Nudibranch Microstructures. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 592-597.	2.8	5
3	Evolution, Expression Patterns, and Distribution of Novel Ribbon Worm Predatory and Defensive Toxins. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	8
4	Physiological constraints dictate toxin spatial heterogeneity in snake venom glands. <i>BMC Biology</i> , 2022, 20, .	3.8	4
5	Neurotoxic and cytotoxic peptides underlie the painful stings of the tree nettle <i>Urtica ferox</i> . <i>Journal of Biological Chemistry</i> , 2022, 298, 102218.	3.4	5
6	Effects of backbone cyclization on the pharmacokinetics and drug efficiency of the orally active analgesic conotoxin cVc1.1. <i>Medicine in Drug Discovery</i> , 2021, 10, 100087.	4.5	6
7	Venom duct origins of prey capture and defensive conotoxins in piscivorous <i>Conus striatus</i> . <i>Scientific Reports</i> , 2021, 11, 13282.	3.3	7
8	Mapping Enzyme Activity on Tissue by Functional Mass Spectrometry Imaging. <i>Angewandte Chemie</i> , 2020, 132, 3883-3886.	2.0	8
9	Mapping Enzyme Activity on Tissue by Functional Mass Spectrometry Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3855-3858.	13.8	35
10	Neurotoxic peptides from the venom of the giant Australian stinging tree. <i>Science Advances</i> , 2020, 6, .	10.3	16
11	A process of convergent amplification and tissue-specific expression dominates the evolution of toxin and toxin-like genes in sea anemones. <i>Molecular Ecology</i> , 2019, 28, 2272-2289.	3.9	48
12	A Versatile and Robust Serine Protease Inhibitor Scaffold from <i>Actinia tenebrosa</i> . <i>Marine Drugs</i> , 2019, 17, 701.	4.6	9
13	Mud in the blood: Novel potent anticoagulant coagulotoxicity in the venoms of the Australian elapid snake genus <i>Denisonia</i> (mud adders) and relative antivenom efficacy. <i>Toxicology Letters</i> , 2019, 302, 1-6.	0.8	21
14	A comprehensive portrait of the venom of the giant red bull ant, <i>Myrmecia gulosa</i> , reveals a hyperdiverse hymenopteran toxin gene family. <i>Science Advances</i> , 2018, 4, eaau4640.	10.3	69
15	Does size matter? Venom proteomic and functional comparison between night adder species (Viperidae). <i>Toxicology and Pharmacology</i> , 2018, 211, 7-14.	2.6	13
16	Balancing sufficiency and impact in reporting standards for mass spectrometry imaging experiments. <i>GigaScience</i> , 2018, 7, .	6.4	11
17	PHAB toxins: a unique family of predatory sea anemone toxins evolving via intra-gene concerted evolution defines a new peptide fold. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4511-4524.	5.4	34
18	Spatial Metabolite Profiling by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2017, 965, 291-321.	1.6	14

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19	The Use of Imaging Mass Spectrometry to Study Peptide Toxin Distribution in Australian Sea Anemones. Australian Journal of Chemistry, 2017, 70, 1235.	0.9	20
20	Macrolide Treatment Inhibits <i>Pseudomonas aeruginosa</i> Quorum Sensing in Non-CF Bronchiectasis: An Analysis from the BLESS Trial. Annals of the American Thoracic Society, 2016, 13, 1697-1703.	3.2	26
21	Production and packaging of a biological arsenal: Evolution of centipede venoms under morphological constraint. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4026-4031.	7.1	56
22	Multifunctional warheads: Diversification of the toxin arsenal of centipedes via novel multidomain transcripts. Journal of Proteomics, 2014, 102, 1-10.	2.4	36
23	Evolution of separate predation- and defence-evoked venoms in carnivorous cone snails. Nature Communications, 2014, 5, 3521.	12.8	275
24	Rapid identification of VRE with MALDI-TOF MS. Pathology, 2013, 45, S57.	0.6	1
25	High resolution spatial mapping of brominated pyrrole-2-aminoimidazole alkaloids distributions in the marine sponge <i>Stylissa flabellata</i> via MALDI-mass spectrometry imaging. Molecular BioSystems, 2012, 8, 2249.	2.9	25
26	Elucidation of the mass fragmentation pathways of the polyether marine toxins, dinophysistoxins, and identification of isomer discrimination processes. Rapid Communications in Mass Spectrometry, 2012, 26, 1793-1802.	1.5	11
27	Use of Matrix-Assisted Laser Desorption Ionization Time of Flight Mass Spectrometry To Identify Vancomycin-Resistant Enterococci and Investigate the Epidemiology of an Outbreak. Journal of Clinical Microbiology, 2012, 50, 2918-2931.	3.9	159
28	The development of a rapid method for the isolation of four azaspiracids for use as reference materials for quantitative LC-MS-MS methods. Analytical and Bioanalytical Chemistry, 2010, 398, 1477-1491.	3.7	3
29	Human fatality associated with Pacific ciguatoxin contaminated fish. Toxicon, 2010, 56, 668-673.	1.6	71
30	Proteomics Analysis of the Excretory/Secretory Component of the Blood-feeding Stage of the Hookworm, <i>Ancylostoma caninum</i> . Molecular and Cellular Proteomics, 2009, 8, 109-121.	3.8	167
31	Proteolytic Degradation of Hemoglobin in the Intestine of the Human Hookworm <i>Necator americanus</i> . Journal of Infectious Diseases, 2009, 199, 904-912.	4.0	84
32	Interaction with factor inhibiting HIF-1 defines an additional mode of cross-coupling between the Notch and hypoxia signaling pathways. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3368-3373.	7.1	235
33	Liquid Chromatography Tandem Mass Spectrometry Application, for the Determination of Extracellular Hepatotoxins in Irish Lake and Drinking Waters. Analytical Chemistry, 2007, 79, 3436-3447.	6.5	58
34	Liquid Chromatography Quadrupole Time-of-Flight Mass Spectrometry Analysis of Carbosulfan, Carbofuran, 3-Hydroxycarbofuran, and Other Metabolites in Food. Analytical Chemistry, 2007, 79, 1492-1501.	6.5	78
35	Identification of N,N-dimethyl-lysine in the murine dioxin receptor using MALDI-TOF/TOF- and ESI-LTQ-Orbitrap-FT-MS. International Journal of Mass Spectrometry, 2007, 268, 168-180.	1.5	12
36	Comparison of four mass analyzers for determining carbosulfan and its metabolites in citrus by liquid chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 2151-2164.	1.5	61

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37	Optimization of LC-MS/MS using triple quadrupole mass analyzer for the simultaneous analysis of carbosulfan and its main metabolites in oranges. <i>Analytica Chimica Acta</i> , 2006, 571, 1-11.	5.4	40
38	Strategies to avoid the mis-identification of anatoxin-a using mass spectrometry in the forensic investigation of acute neurotoxic poisoning. <i>Journal of Chromatography A</i> , 2005, 1082, 91-97.	3.7	75
39	Anatoxins and degradation products, determined using hybrid quadrupole time-of-flight and quadrupole ion-trap mass spectrometry: forensic investigations of cyanobacterial neurotoxin poisoning. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1167-1175.	1.5	64
40	Persistence of yessotoxin under light and dark conditions. <i>Marine Environmental Research</i> , 2005, 60, 397-401.	2.5	17
41	The fragmentation pathways of azaspiracids elucidated using positive nanospray hybrid quadrupole time-of-flight (QqTOF) mass spectrometry. <i>Spectroscopy</i> , 2004, 18, 355-362.	0.8	14
42	Liquid chromatography-multiple tandem mass spectrometry for the determination of ten azaspiracids, including hydroxyl analogues in shellfish. <i>Journal of Chromatography A</i> , 2004, 1024, 63-70.	3.7	43
43	Nano liquid chromatography with hybrid quadrupole time-of-flight mass spectrometry for the determination of yessotoxin in marine phytoplankton. <i>Journal of Chromatography A</i> , 2004, 1056, 253-256.	3.7	20
44	Studies of polyether toxins in the marine phytoplankton, <i>Dinophysis acuta</i> , in Ireland using multiple tandem mass spectrometry. <i>Toxicon</i> , 2004, 44, 919-926.	1.6	44
45	Rapid determination of polyether marine toxins using liquid chromatography-multiple tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1056, 77-82.	3.7	26
46	Elucidation of the fragmentation pathways of azaspiracids, using electrospray ionisation, hydrogen/deuterium exchange, and multiple-stage mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2003, 38, 1178-1186.	1.6	35
47	Identification of slow and fast-acting toxins in a highly ciguatoxic barracuda (<i>Sphyraena barracuda</i>) by HPLC/MS and radiolabelled ligand binding. <i>Toxicon</i> , 2003, 42, 663-672.	1.6	58
48	Ichthyotoxicity of <i>Chattonella marina</i> (Raphidophyceae) to damselfish (<i>Acanthochromis polykanthus</i>): the synergistic role of reactive oxygen species and free fatty acids. <i>Harmful Algae</i> , 2003, 2, 273-281.	4.8	156
49	Isolation and characterisation of Indian Ocean ciguatoxin. <i>Toxicon</i> , 2002, 40, 685-693.	1.6	121
50	Multiple ciguatoxins present in Indian Ocean reef fish. <i>Toxicon</i> , 2002, 40, 1347-1353.	1.6	97
51	Biochemical Modulation of Venom by Spiders is Achieved Via Compartmentalized Toxin Production and Storage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1