

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	Evolution of separate predation- and defence-evoked venoms in carnivorous cone snails. <i>Nature Communications</i> , 2014, 5, 3521.	12.8	275
2	Interaction with factor inhibiting HIF-1 defines an additional mode of cross-coupling between the Notch and hypoxia signaling pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3368-3373.	7.1	235
3	Proteomics Analysis of the Excretory/Secretory Component of the Blood-feeding Stage of the Hookworm, <i>Ancylostoma caninum</i> . <i>Molecular and Cellular Proteomics</i> , 2009, 8, 109-121.	3.8	167
4	Use of Matrix-Assisted Laser Desorption Ionization–Time of Flight Mass Spectrometry To Identify Vancomycin-Resistant Enterococci and Investigate the Epidemiology of an Outbreak. <i>Journal of Clinical Microbiology</i> , 2012, 50, 2918-2931.	3.9	159
5	Ichthyotoxicity of <i>Chattonella marina</i> (Raphidophyceae) to damselfish (<i>Acanthochromis polycaanthus</i>): the synergistic role of reactive oxygen species and free fatty acids. <i>Harmful Algae</i> , 2003, 2, 273-281.	4.8	156
6	Isolation and characterisation of Indian Ocean ciguatoxin. <i>Toxicon</i> , 2002, 40, 685-693.	1.6	121
7	Multiple ciguatoxins present in Indian Ocean reef fish. <i>Toxicon</i> , 2002, 40, 1347-1353.	1.6	97
8	Proteolytic Degradation of Hemoglobin in the Intestine of the Human Hookworm <i>Necator americanus</i> . <i>Journal of Infectious Diseases</i> , 2009, 199, 904-912.	4.0	84
9	Liquid Chromatography Quadrupole Time-of-Flight Mass Spectrometry Analysis of Carbosulfan, Carbofuran, 3-Hydroxycarbofuran, and Other Metabolites in Food. <i>Analytical Chemistry</i> , 2007, 79, 1492-1501.	6.5	78
10	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
11	Human fatality associated with Pacific ciguatoxin contaminated fish. <i>Toxicon</i> , 2010, 56, 668-673.	1.6	71
12	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
13	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
14	Comparison of four mass analyzers for determining carbosulfan and its metabolites in citrus by liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2151-2164.	1.5	61
15	Identification of slow and fast-acting toxins in a highly ciguatoxic barracuda (<i>Sphyræna barracuda</i>) by HPLC/MS and radiolabelled ligand binding. <i>Toxicon</i> , 2003, 42, 663-672.	1.6	58
16	Liquid Chromatography–Tandem Mass Spectrometry Application, for the Determination of Extracellular Hepatotoxins in Irish Lake and Drinking Waters. <i>Analytical Chemistry</i> , 2007, 79, 3436-3447.	6.5	58
17	Production and packaging of a biological arsenal: Evolution of centipede venoms under morphological constraint. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4026-4031.	7.1	56
18	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

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19	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
20	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
21	Optimization of LC–MS/MS using triple quadrupole mass analyzer for the simultaneous analysis of carboxulfan and its main metabolites in oranges. <i>Analytica Chimica Acta</i> , 2006, 571, 1-11.	5.4	40
22	Multifunctional warheads: Diversification of the toxin arsenal of centipedes via novel multidomain transcripts. <i>Journal of Proteomics</i> , 2014, 102, 1-10.	2.4	36
23	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
24	Mapping Enzyme Activity on Tissue by Functional Mass Spectrometry Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3855-3858.	13.8	35
25	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
26	Macrolide Treatment Inhibits <i>Pseudomonas aeruginosa</i> Quorum Sensing in Non-CF Bronchiectasis: An Analysis from the BLESS Trial. <i>Annals of the American Thoracic Society</i> , 2016, 13, 1697-1703.	3.2	26
27	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
28	High resolution spatial mapping of brominated pyrrole-2-aminoimidazole alkaloids distributions in the marine sponge <i>Stylissa flabellata</i> via MALDI-mass spectrometry imaging. <i>Molecular BioSystems</i> , 2012, 8, 2249.	2.9	25
29	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
30	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
31	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
32	The Use of Imaging Mass Spectrometry to Study Peptide Toxin Distribution in Australian Sea Anemones. <i>Australian Journal of Chemistry</i> , 2017, 70, 1235.	0.9	20
33	Persistence of yessotoxin under light and dark conditions. <i>Marine Environmental Research</i> , 2005, 60, 397-401.	2.5	17
34	Neurotoxic peptides from the venom of the giant Australian stinging tree. <i>Science Advances</i> , 2020, 6, .	10.3	16
35	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
36	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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37	Does size matter? Venom proteomic and functional comparison between night adder species (Viperidae: Tj ETQq1 1 0.784314 rgBT /D Toxicology and Pharmacology, 2018, 211, 7-14.	2.6	13
38	Identification of N,NÉ>-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
39	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
40	Balancing sufficiency and impact in reporting standards for mass spectrometry imaging experiments. GigaScience, 2018, 7, .	6.4	11
41	A Versatile and Robust Serine Protease Inhibitor Scaffold from Actinia tenebrosa. Marine Drugs, 2019, 17, 701.	4.6	9
42	Mapping Enzyme Activity on Tissue by Functional Mass Spectrometry Imaging. Angewandte Chemie, 2020, 132, 3883-3886.	2.0	8
43	Evolution, Expression Patterns, and Distribution of Novel Ribbon Worm Predatory and Defensive Toxins. Molecular Biology and Evolution, 2022, 39, .	8.9	8
44	Venom duct origins of prey capture and defensive conotoxins in piscivorous Conus striatus. Scientific Reports, 2021, 11, 13282.	3.3	7
45	Effects of backbone cyclization on the pharmacokinetics and drug efficiency of the orally active analgesic conotoxin cVc1.1. Medicine in Drug Discovery, 2021, 10, 100087.	4.5	6
46	Cryo-ultramicrotomy and Mass Spectrometry Imaging Analysis of Nudibranch Microstructures. Journal of the American Society for Mass Spectrometry, 2022, 33, 592-597.	2.8	5
47	Neurotoxic and cytotoxic peptides underlie the painful stings of the tree nettle Urtica ferox. Journal of Biological Chemistry, 2022, 298, 102218.	3.4	5
48	Physiological constraints dictate toxin spatial heterogeneity in snake venom glands. BMC Biology, 2022, 20, .	3.8	4
49	The development of a rapid method for the isolation of four azaspiracids for use as reference materials for quantitative LCâ“MSâ“MS methods. Analytical and Bioanalytical Chemistry, 2010, 398, 1477-1491.	3.7	3
50	Rapid identification of VRE with MALDI-TOF MS. Pathology, 2013, 45, S57.	0.6	1
51	Biochemical Modulation of Venom by Spiders is Achieved Via Compartmentalized Toxin Production and Storage. SSRN Electronic Journal, 0, , .	0.4	1