Glenn F King

List of Publications by Year
in descending order

303 papers	16,783 citations	14614 66 h-index	24179 110 g-index
314 all docs	314 docs citations	314 times ranked	11229 citing authors

#	Article	IF	Citations
1	Fifteen years of Na_V1.7 channels as an analgesic target: Why has excellent in vitro pharmacology not translated into in vivo analgesic efficacy?. British Journal of Pharmacology, 2022, 179, 3592-3611.	2.7	28
2	Venoms for all occasions: The functional toxin profiles of different anatomical regions in sea anemones are related to their ecological function. Molecular Ecology, 2022, 31, 866-883.	2.0	21
3	Multitarget nociceptor sensitization by a promiscuous peptide from the venom of the King Baboon spider. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
4	Towards a generic prototyping approach for therapeutically-relevant peptides and proteins in a cell-free translation system. Nature Communications, 2022, 13, 260.	5.8	5
5	A peptide toxin in ant venom mimics vertebrate EGF-like hormones to cause long-lasting hypersensitivity in mammals. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	15
6	Cysteine-Rich Î±-Conotoxin SII Displays Novel Interactions at the Muscle Nicotinic Acetylcholine Receptor. ACS Chemical Neuroscience, 2022, 13, 1245-1250.	1.7	1
7	Proteotranscriptomics reveals the secretory dynamics of teratocytes, regulators of parasitization by an endoparasitoid wasp. Journal of Insect Physiology, 2022, 139, 104395.	0.9	6
8	The Tarantula Toxin Ï‰-Avsp1a Specifically Inhibits Human CaV3.1 and CaV3.3 via the Extracellular S3-S4 Loop of the Domain 1 Voltage-Sensor. Biomedicines, 2022, 10, 1066.	1.4	2
9	Olfactory bulbâ€targeted quantum dot (QD) bioconjugate and Kv1.3 blocking peptide improve metabolic health in obese male mice. Journal of Neurochemistry, 2021, 157, 1876-1896.	2.1	15
10	Bimodal Imaging of Mouse Peripheral Nerves with Chlorin Tracers. Molecular Pharmaceutics, 2021, 18, 940-951.	2.3	3
11	Trends in peptide drug discovery. Nature Reviews Drug Discovery, 2021, 20, 309-325.	21.5	792
12	Production, composition, and mode of action of the painful defensive venom produced by a limacodid caterpillar, <i>Doratifera vulnerans</i>. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	17
13	Venom chemistry underlying the painful stings of velvet ants (Hymenoptera: Mutillidae). Cellular and Molecular Life Sciences, 2021, 78, 5163-5177.	2.4	11
14	Tentacle Morphological Variation Coincides with Differential Expression of Toxins in Sea Anemones. Toxins, 2021, 13, 452.	1.5	12
15	Pharmacological Inhibition of the Voltage-Gated Sodium Channel NaV1.7 Alleviates Chronic Visceral Pain in a Rodent Model of Irritable Bowel Syndrome. ACS Pharmacology and Translational Science, 2021, 4, 1362-1378.	2.5	10
16	Acid-Sensing Ion Channels: Expression and Function in Resident and Infiltrating Immune Cells in the Central Nervous System. Frontiers in Cellular Neuroscience, 2021, 15, 738043.	1.8	14
17	Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemiaâ€“Reperfusion Injury. Circulation, 2021, 144, 947-960.	1.6	40
18	A pain-causing and paralytic ant venom glycopeptide. IScience, 2021, 24, 103175.	1.9	7

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19	Venom composition of the endoparasitoid wasp Cotesia flavipes (Hymenoptera: Braconidae) and functional characterization of a major venom peptide. Toxicon, 2021, 202, 1-12.	0.8	9
20	Multipurpose peptides: The venoms of Amazonian stinging ants contain anthelmintic ponericins with diverse predatory and defensive activities. Biochemical Pharmacology, 2021, 192, 114693.	2.0	10
21	A spider-venom peptide with multitarget activity on sodium and calcium channels alleviates chronic visceral pain in a model of irritable bowel syndrome. Pain, 2021, 162, 569-581.	2.0	28
22	Total Synthesis of the Spider-Venom Peptide Hi1a. Organic Letters, 2021, 23, 8375-8379.	2.4	6
23	Crouching Tiger, Hidden Protein: Searching for Insecticidal Toxins in Venom of the Red Tiger Assassin Bug (Havinthus rufovarius). Toxins, 2021, 13, 3.	1.5	5
24	The Tarantula Venom Peptide Eo1a Binds to the Domain II S3-S4 Extracellular Loop of Voltage-Gated Sodium Channel NaV1.8 to Enhance Activation. Frontiers in Pharmacology, 2021, 12, 789570.	1.6	4
25	NMR structure and dynamics of inhibitory repeat domain variant 12, a plant protease inhibitor from Capsicum annuum, and its structural relationship to other plant protease inhibitors. Journal of Biomolecular Structure and Dynamics, 2020, 38, 1388-1397.	2.0	3
26	The unusual conformation of crossâ€strand disulfide bonds is critical to the stability of Î²â€hairpin peptides. Proteins: Structure, Function and Bioinformatics, 2020, 88, 485-502.	1.5	10
27	Structural basis of the potency and selectivity of Urotoxin, a potent Kv1 blocker from scorpion venom. Biochemical Pharmacology, 2020, 174, 113782.	2.0	12
28	Weaponisation â€˜on the flyâ€™: Convergent recruitment of knottin and defensin peptide scaffolds into the venom of predatory assassin flies. Insect Biochemistry and Molecular Biology, 2020, 118, 103310.	1.2	10
29	Venom Peptides with Dual Modulatory Activity on the Voltage-Gated Sodium Channel Na_V1.1 Provide Novel Leads for Development of Antiepileptic Drugs. ACS Pharmacology and Translational Science, 2020, 3, 119-134.	2.5	14
30	Two for the Price of One: Heterobivalent Ligand Design Targeting Two Binding Sites on Voltage-Gated Sodium Channels Slows Ligand Dissociation and Enhances Potency. Journal of Medicinal Chemistry, 2020, 63, 12773-12785.	2.9	15
31	Australian funnel-web spiders evolved human-lethal Î´-hexatoxins for defense against vertebrate predators. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24920-24928.	3.3	32
32	Deadly Proteomes: A Practical Guide to Proteotranscriptomics of Animal Venoms. Proteomics, 2020, 20, e1900324.	1.3	26
33	Heterodimeric Insecticidal Peptide Provides New Insights into the Molecular and Functional Diversity of Ant Venoms. ACS Pharmacology and Translational Science, 2020, 3, 1211-1224.	2.5	8
34	Venom of the Red-Bellied Black Snake Pseudechis porphyriacus Shows Immunosuppressive Potential. Toxins, 2020, 12, 674.	1.5	7
35	Structural venomics reveals evolution of a complex venom by duplication and diversification of an ancient peptide-encoding gene. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11399-11408.	3.3	59
36	Mutational analysis of ProTx-I and the novel venom peptide Pe1b provide insight into residues responsible for selective inhibition of the analgesic drug target NaV1.7. Biochemical Pharmacology, 2020, 181, 114080.	2.0	7

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37	Animal toxins â€” Natureâ€™s evolutionary-refined toolkit for basic research and drug discovery. Biochemical Pharmacology, 2020, 181, 114096.	2.0	97
38	Addition of K22 Converts Spider Venom Peptide Pme2a from an Activator to an Inhibitor of NaV1.7. Biomedicines, 2020, 8, 37.	1.4	6
39	It Takes Two: Dimerization Is Essential for the Broad-Spectrum Predatory and Defensive Activities of the Venom Peptide Mp1a from the Jack Jumper Ant Myrmecia pilosula. Biomedicines, 2020, 8, 185.	1.4	12
40	A selective NaV1.1 activator with potential for treatment of Dravet syndrome epilepsy. Biochemical Pharmacology, 2020, 181, 113991.	2.0	19
41	Fluorescence labeling of a NaV1.7-targeted peptide for near-infrared nerve visualization. EJNMMI Research, 2020, 10, 49.	1.1	10
42	Venom-derived modulators of epilepsy-related ion channels. Biochemical Pharmacology, 2020, 181, 114043.	2.0	11
43	A Cell-Penetrating Scorpion Toxin Enables Mode-Specific Modulation of TRPA1 and Pain. Cell, 2019, 178, 1362-1374.e16.	13.5	72
44	Fluorescence Imaging of Peripheral Nerves by a Na_v1.7-Targeted Inhibitor Cystine Knot Peptide. Bioconjugate Chemistry, 2019, 30, 2879-2888.	1.8	20
45	Development of High-Throughput Fluorescent-Based Screens to Accelerate Discovery of P2X Inhibitors from Animal Venoms. Journal of Natural Products, 2019, 82, 2559-2567.	1.5	10
46	Sea Anemone Toxins: A Structural Overview. Marine Drugs, 2019, 17, 325.	2.2	54
47	Periplasmic Expression of 4/7 Î±-Conotoxin TxIA Analogs in E. coli Favors Ribbon Isomer Formation â€“ Suggestion of a Binding Mode at the Î±7 nAChR. Frontiers in Pharmacology, 2019, 10, 577.	1.6	8
48	The antitrypanosomal diarylamidines, diminazene and pentamidine, show anthelmintic activity against Haemonchus contortus in vitro. Veterinary Parasitology, 2019, 270, 40-46.	0.7	12
49	Tying pest insects in knots: the deployment of spiderâ€venomâ€derived knottins as bioinsecticides. Pest Management Science, 2019, 75, 2437-2445.	1.7	59
50	A process of convergent amplification and tissueâ€specific expression dominates the evolution of toxin and toxinâ€like genes in sea anemones. Molecular Ecology, 2019, 28, 2272-2289.	2.0	48
51	The modulation of acid-sensing ion channel 1 by PcTx1 is pH-, subtype- and species-dependent: Importance of interactions at the channel subunit interface and potential for engineering selective analogues. Biochemical Pharmacology, 2019, 163, 381-390.	2.0	25
52	Can we resolve the taxonomic bias in spider venom research?. Toxicon: X, 2019, 1, 100005.	1.2	17
53	Missiles of Mass Disruption: Composition and Glandular Origin of Venom Used as a Projectile Defensive Weapon by the Assassin Bug Platymeris rhadamanthus. Toxins, 2019, 11, 673.	1.5	16
54	A Versatile and Robust Serine Protease Inhibitor Scaffold from Actinia tenebrosa. Marine Drugs, 2019, 17, 701.	2.2	9

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55	The assassin bug Pristhesancus plagipennis produces two distinct venoms in separate gland lumens. Nature Communications, 2018, 9, 755.	5.8	67
56	Harvesting Venom Toxins from Assassin Bugs and Other Heteropteran Insects. Journal of Visualized Experiments, 2018, , .	0.2	10
57	Gomesin peptides prevent proliferation and lead to the cell death of devil facial tumour disease cells. Cell Death Discovery, 2018, 4, 19.	2.0	15
58	Giant fish-killing water bug reveals ancient and dynamic venom evolution in Heteroptera. Cellular and Molecular Life Sciences, 2018, 75, 3215-3229.	2.4	31
59	Gating modifier toxins isolated from spider venom: Modulation of voltage-gated sodium channels and the role of lipid membranes. Journal of Biological Chemistry, 2018, 293, 9041-9052.	1.6	35
60	ArachnoServer 3.0: an online resource for automated discovery, analysis and annotation of spider toxins. Bioinformatics, 2018, 34, 1074-1076.	1.8	86
61	Inhibition of acidâ€sensing ion channels by diminazene and APETx2 evoke partial and highly variable antihyperalgesia in a rat model of inflammatory pain. British Journal of Pharmacology, 2018, 175, 2204-2218.	2.7	39
62	Buzz Kill: Function and Proteomic Composition of Venom from the Giant Assassin Fly Dolopus genitalis (Diptera: Asilidae). Toxins, 2018, 10, 456.	1.5	12
63	Entomo-venomics: The evolution, biology and biochemistry of insect venoms. Toxicon, 2018, 154, 15-27.	0.8	67
64	A comprehensive portrait of the venom of the giant red bull ant, <i>Myrmecia gulosa</i> , reveals a hyperdiverse hymenopteran toxin gene family. Science Advances, 2018, 4, eaau4640.	4.7	69
65	Evaluation of Chemical Strategies for Improving the Stability and Oral Toxicity of Insecticidal Peptides. Biomedicines, 2018, 6, 90.	1.4	7
66	Efficient Enzymatic Ligation of Inhibitor Cystine Knot Spider Venom Peptides: Using Sortase A To Form Double-Knottins That Probe Voltage-Gated Sodium Channel Na_V1.7. Bioconjugate Chemistry, 2018, 29, 3309-3319.	1.8	19
67	Venoms to the rescue. Science, 2018, 361, 842-844.	6.0	71
68	Selective Na _V 1.1 activation rescues Dravet syndrome mice from seizures and premature death. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8077-E8085.	3.3	105
69	Identification and Functional Characterization of Sugarcane Invertase Inhibitor (ShINH1): A Potential Candidate for Reducing Pre- and Post-harvest Loss of Sucrose in Sugarcane. Frontiers in Plant Science, 2018, 9, 598.	1.7	29
70	Structural basis for the modulation of voltage-gated sodium channels by animal toxins. Science, 2018, 362, .	6.0	200
71	Gomesin inhibits melanoma growth by manipulating key signaling cascades that control cell death and proliferation. Scientific Reports, 2018, 8, 11519.	1.6	37
72	Novel venom-derived inhibitors of the human EAG channel, a putative antiepileptic drug target. Biochemical Pharmacology, 2018, 158, 60-72.	2.0	13

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73	PHAB toxins: a unique family of predatory sea anemone toxins evolving via intra-gene concerted evolution defines a new peptide fold. Cellular and Molecular Life Sciences, 2018, 75, 4511-4524.	2.4	34
74	Dipteran toxicity assays for determining the oral insecticidal activity of venoms and toxins. Toxicon, 2018, 150, 297-303.	0.8	39
75	NaV1.1 inhibition can reduce visceral hypersensitivity. JCI Insight, 2018, 3, .	2.3	34
76	Pharmacological characterisation of the highly NaV1.7 selective spider venom peptide Pn3a. Scientific Reports, 2017, 7, 40883.	1.6	120
77	Melt With This Kiss: Paralyzing and Liquefying Venom of The Assassin Bug Pristhesancus plagipennis (Hemiptera: Reduviidae). Molecular and Cellular Proteomics, 2017, 16, 552-566.	2.5	53
78	A Strategy for Production of Correctly Folded Disulfide-Rich Peptides in the Periplasm of E. coli. Methods in Molecular Biology, 2017, 1586, 155-180.	0.4	20
79	Improved efficacy of an arthropod toxin expressing fungus against insecticide-resistant malaria-vector mosquitoes. Scientific Reports, 2017, 7, 3433.	1.6	29
80	Modulatory features of the novel spider toxin Î¼â€‘TRTXâ€‘Df1a isolated from the venom of the spider <i>Davus fasciatus</i>. British Journal of Pharmacology, 2017, 174, 2528-2544.	2.7	46
81	Potent neuroprotection after stroke afforded by a double-knot spider-venom peptide that inhibits acid-sensing ion channel 1a. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3750-3755.	3.3	180
82	Venom peptides as therapeutics: advances, challenges and the future of venom-peptide discovery. Expert Review of Proteomics, 2017, 14, 931-939.	1.3	81
83	Revisiting venom of the sea anemone Stichodactyla haddoni : Omics techniques reveal the complete toxin arsenal of a well-studied sea anemone genus. Journal of Proteomics, 2017, 166, 83-92.	1.2	64
84	The Use of Imaging Mass Spectrometry to Study Peptide Toxin Distribution in Australian Sea Anemones. Australian Journal of Chemistry, 2017, 70, 1235.	0.5	20
85	Venom Profiling of a Population of the Theraphosid Spider Phlogius crassipes Reveals Continuous Ontogenetic Changes from Juveniles through Adulthood. Toxins, 2017, 9, 116.	1.5	20
86	Insect-Active Toxins with Promiscuous Pharmacology from the African Theraphosid Spider Monocentropus balfouri. Toxins, 2017, 9, 155.	1.5	10
87	Discovery and mode of action of a novel analgesic Î²-toxin from the African spider Ceratogyrus darlingi. PLoS ONE, 2017, 12, e0182848.	1.1	22
88	The structure, dynamics and selectivity profile of a NaV1.7 potency-optimised huwentoxin-IV variant. PLoS ONE, 2017, 12, e0173551.	1.1	33
89	Venoms of Heteropteran Insects: A Treasure Trove of Diverse Pharmacological Toolkits. Toxins, 2016, 8, 43.	1.5	62
90	Characterization of Three Venom Peptides from the Spitting Spider Scytodes thoracica. PLoS ONE, 2016, 11, e0156291.	1.1	6

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91	Toxin structures as evolutionary tools: Using conserved 3D folds to study the evolution of rapidly evolving peptides. BioEssays, 2016, 38, 539-548.	1.2	76
92	Molecular basis of the remarkable species selectivity of an insecticidal sodium channel toxin from the African spider Augacephalus ezendami. Scientific Reports, 2016, 6, 29538.	1.6	25
93	Membrane-binding properties of gating modifier and pore-blocking toxins: Membrane interaction is not a prerequisite for modification of channel gating. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 872-882.	1.4	22
94	Isolation and characterization of a structurally unique Î²-hairpin venom peptide from the predatory ant Anochetus emarginatus. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2553-2562.	1.1	21
95	Centipede venoms as a source of drug leads. Expert Opinion on Drug Discovery, 2016, 11, 1139-1149.	2.5	28
96	Determination of ligand binding modes in weak proteinâ€“ligand complexes using sparse NMR data. Journal of Biomolecular NMR, 2016, 66, 195-208.	1.6	19
97	Isolation of two insecticidal toxins from venom of the Australian theraphosid spider Coremiocnemis tropix. Toxicon, 2016, 123, 62-70.	0.8	14
98	Molecular basis of the interaction between gating modifier spider toxins and the voltage sensor of voltage-gated ion channels. Scientific Reports, 2016, 6, 34333.	1.6	44
99	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. Nature, 2016, 534, 494-499.	13.7	239
100	Interaction of Tarantula Venom Peptide ProTx-II with Lipid Membranes Is a Prerequisite for Its Inhibition of Human Voltage-gated Sodium Channel NaV1.7. Journal of Biological Chemistry, 2016, 291, 17049-17065.	1.6	62
101	Membrane-Binding Properties of Gating-Modifier and Pore Blocking Toxins: Membrane Interaction is not a Prerequisite for Modification of Channel Gating. Biophysical Journal, 2016, 110, 29a.	0.2	0
102	Combination of Ambiguous and Unambiguous Data in the Restraint-driven Docking of Flexible Peptides with HADDOCK: The Binding of the Spider Toxin PcTx1 to the Acid Sensing Ion Channel (ASIC) 1a. Journal of Chemical Information and Modeling, 2016, 56, 127-138.	2.5	15
103	Selective inhibition of ASIC1a confers functional and morphological neuroprotection following traumatic spinal cord injury. F1000Research, 2016, 5, 1822.	0.8	13
104	Selective inhibition of ASIC1a confers functional and morphological neuroprotection following traumatic spinal cord injury. F1000Research, 2016, 5, 1822.	0.8	12
105	Xenopus borealis as an alternative source of oocytes for biophysical and pharmacological studies of neuronal ion channels. Scientific Reports, 2015, 5, 14763.	1.6	12
106	Molecular dynamics and functional studies define a hot spot of crystal contacts essential for PcTx1 inhibition of acidâ€sensing ion channel 1a. British Journal of Pharmacology, 2015, 172, 4985-4995.	2.7	35
107	Three Peptide Modulators of the Human Voltage-Gated Sodium Channel 1.7, an Important Analgesic Target, from the Venom of an Australian Tarantula. Toxins, 2015, 7, 2494-2513.	1.5	27
108	The Cystine Knot Is Responsible for the Exceptional Stability of the Insecticidal Spider Toxin Ï‰-Hexatoxin-Hv1a. Toxins, 2015, 7, 4366-4380.	1.5	86

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109	Backbone and side chain NMR assignments of Geobacillus stearothermophilus ZapA allow identification of residues that mediate the interaction of ZapA with FtsZ. Biomolecular NMR Assignments, 2015, 9, 387-391.	0.4	1
110	Identification and Characterization of ProTx-III [<i>Î¼</i>-TRTX-Tp1a], a New Voltage-Gated Sodium Channel Inhibitor from Venom of the Tarantula <i>Thrixopelma pruriens</i>. Molecular Pharmacology, 2015, 88, 291-303.	1.0	72
111	Weaponization of a Hormone: Convergent Recruitment of Hyperglycemic Hormone into the Venom of Arthropod Predators. Structure, 2015, 23, 1283-1292.	1.6	66
112	RNA polymerase-induced remodelling of NusA produces a pause enhancement complex. Nucleic Acids Research, 2015, 43, 2829-2840.	6.5	31
113	From Foe to Friend: Using Animal Toxins to Investigate Ion Channel Function. Journal of Molecular Biology, 2015, 427, 158-175.	2.0	138
114	CHAPTER 2. The Structural Universe of Disulfide-Rich Venom Peptides. RSC Drug Discovery Series, 2015, , 37-79.	0.2	13
115	CHAPTER 3. Venoms-Based Drug Discovery: Proteomic and Transcriptomic Approaches. RSC Drug Discovery Series, 2015, , 80-96.	0.2	7
116	Chapter 8. Therapeutic Applications ofÂSpider-Venom Peptides. RSC Drug Discovery Series, 2015, , 221-244.	0.2	11
117	The insecticidal spider toxin <scp>SFI</scp>1 is a knottin peptide that blocks the pore of insect voltageâ€gated sodium channels via a large Î²â€hairpin loop. FEBS Journal, 2015, 282, 904-920.	2.2	34
118	Seven novel modulators of the analgesic target <scp>Na_V</scp>1.7 uncovered using a highâ€throughput venomâ€based discovery approach. British Journal of Pharmacology, 2015, 172, 2445-2458.	2.7	74
119	Centipede Venom: Recent Discoveries and Current State of Knowledge. Toxins, 2015, 7, 679-704.	1.5	84
120	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.	3.3	56
121	Widespread convergence in toxin resistance by predictable molecular evolution. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11911-11916.	3.3	130
122	PcTx1 affords neuroprotection in a conscious model of stroke in hypertensive rats via selective inhibition of ASIC1a. Neuropharmacology, 2015, 99, 650-657.	2.0	55
123	Mutations in the voltage-gated potassium channel gene KCNH1 cause Temple-Baraitser syndrome and epilepsy. Nature Genetics, 2015, 47, 73-77.	9.4	130
124	Spider venomics: implications for drug discovery. Future Medicinal Chemistry, 2014, 6, 1699-1714.	1.1	81
125	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. Nature Communications, 2014, 5, 3165.	5.8	122
126	Methods for Deployment of Spider Venom Peptides as Bioinsecticides. Advances in Insect Physiology, 2014, , 389-411.	1.1	15

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127	Multifunctional warheads: Diversification of the toxin arsenal of centipedes via novel multidomain transcripts. Journal of Proteomics, 2014, 102, 1-10.	1.2	36
128	Intraspecific venom variation in the medically significant Southern Pacific Rattlesnake (Crotalus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 99, 68-83.	1.2	114
129	Toxin delivery by the coat protein of an aphid-vectored plant virus provides plant resistance to aphids. Nature Biotechnology, 2014, 32, 102-105.	9.4	66
130	Chemical Synthesis, 3D Structure, and ASIC Binding Site of the Toxin Mambalginâ€2. Angewandte Chemie - International Edition, 2014, 53, 1017-1020.	7.2	66
131	Functional implications of large backbone amplitude motions of the glycoprotein 130â€binding epitope of interleukinâ€6. FEBS Journal, 2014, 281, 2471-2483.	2.2	7
132	Understanding the Molecular Basis of Toxin Promiscuity: The Analgesic Sea Anemone Peptide APETx2 Interacts with Acid-Sensing Ion Channel 3 and hERG Channels via Overlapping Pharmacophores. Journal of Medicinal Chemistry, 2014, 57, 9195-9203.	2.9	40
133	Clawing through Evolution: Toxin Diversification and Convergence in the Ancient Lineage Chilopoda (Centipedes). Molecular Biology and Evolution, 2014, 31, 2124-2148.	3.5	100
134	No Gain, No Pain: Na_V1.7 as an Analgesic Target. ACS Chemical Neuroscience, 2014, 5, 749-751.	1.7	73
135	Does Nature do Ion Channel Drug Discovery Better than Us?. RSC Drug Discovery Series, 2014, , 297-319.	0.2	2
136	A Tarantula-Venom Peptide Antagonizes the TRPA1 Nociceptor Ion Channel by Binding to the S1â€“S4 Gating Domain. Current Biology, 2014, 24, 473-483.	1.8	56
137	A distinct sodium channel voltage-sensor locus determines insect selectivity of the spider toxin Dc1a. Nature Communications, 2014, 5, 4350.	5.8	63
138	Diversification of a single ancestral gene into a successful toxin superfamily in highly venomous Australian funnel-web spiders. BMC Genomics, 2014, 15, 177.	1.2	49
139	Isolation, synthesis and characterization of Ï‰-TRTX-Cc1a, a novel tarantula venom peptide that selectively targets L-type CaV channels. Biochemical Pharmacology, 2014, 89, 276-286.	2.0	19
140	Construction of a Hypervirulent and Specific Mycoinsecticide for Locust Control. Scientific Reports, 2014, 4, 7345.	1.6	43
141	Molecular Phylogeny and Evolution of the Proteins Encoded by Coleoid (Cuttlefish, Octopus, and) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	62
142	From kinetics to imaging: an NMR odysseyâ€"a festschrift symposium in honour of Philip William Kuchel. European Biophysics Journal, 2013, 42, 1-2.	1.2	2
143	Functional characterization on invertebrate and vertebrate tissues of tachykinin peptides from octopus venoms. Peptides, 2013, 47, 71-76.	1.2	18
144	Spider-Venom Peptides: Structure, Pharmacology, and Potential for Control of Insect Pests. Annual Review of Entomology, 2013, 58, 475-496.	5.7	339

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145	The insecticidal neurotoxin Aps III is an atypical knottin peptide that potently blocks insect voltage-gated sodium channels. Biochemical Pharmacology, 2013, 85, 1542-1554.	2.0	33
146	Unravelling the complex venom landscapes of lethal Australian funnel-web spiders (Hexathelidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	73
147	The Neurotoxic Mode of Action of Venoms from the Spider Family Theraphosidae. , 2013, , 203-215.		2
148	The venom optimization hypothesis revisited. Toxicon, 2013, 63, 120-128.	0.8	142
149	The insecticidal potential of venom peptides. Cellular and Molecular Life Sciences, 2013, 70, 3665-3693.	2.4	110
150	Dracula's children: Molecular evolution of vampire bat venom. Journal of Proteomics, 2013, 89, 95-111.	1.2	61
151	Aphicidal efficacy of scorpion- and spider-derived neurotoxins. Toxicon, 2013, 70, 114-122.	0.8	19
152	Natural Born Insect Killers: Spider-venom Peptides and Their Potential for Managing Arthropod Pests. Outlooks on Pest Management, 2013, 24, 16-19.	0.1	7
153	Differential Evolution and Neofunctionalization of Snake Venom Metalloprotease Domains. Molecular and Cellular Proteomics, 2013, 12, 651-663.	2.5	83
154	A Proteomics and Transcriptomics Investigation of the Venom from the Barychelid Spider Trittame loki (Brush-Foot Trapdoor). Toxins, 2013, 5, 2488-2503.	1.5	68
155	Squeezers and Leaf-cutters: Differential Diversification and Degeneration of the Venom System in Toxicoferan Reptiles. Molecular and Cellular Proteomics, 2013, 12, 1881-1899.	2.5	52
156	Do Vicinal Disulfide Bridges Mediate Functionally Important Redox Transformations in Proteins?. Antioxidants and Redox Signaling, 2013, 19, 1976-1980.	2.5	16
157	Discovery of a selective Na _V 1.7 inhibitor from centipede venom with analgesic efficacy exceeding morphine in rodent pain models. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17534-17539.	3.3	164
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