

Glenn F King

List of Publications by Citations

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302
papers

12,914
citations

62
h-index

97
g-index

314
ext. papers

15,053
ext. citations

6.7
avg, IF

6.74
L-index

#	Paper	IF	Citations
302	The toxicogenomic multiverse: convergent recruitment of proteins into animal venoms. <i>Annual Review of Genomics and Human Genetics</i> , 2009 , 10, 483-511	9.7	549
301	Venoms as a platform for human drugs: translating toxins into therapeutics. <i>Expert Opinion on Biological Therapy</i> , 2011 , 11, 1469-84	5.4	366
300	Spider-venom peptides: structure, pharmacology, and potential for control of insect pests. <i>Annual Review of Entomology</i> , 2013 , 58, 475-96	21.8	267
299	A rational nomenclature for naming peptide toxins from spiders and other venomous animals. <i>Toxicon</i> , 2008 , 52, 264-76	2.8	221
298	Spider-venom peptides as therapeutics. <i>Toxins</i> , 2010 , 2, 2851-71	4.9	212
297	Membrane localization of MinD is mediated by a C-terminal motif that is conserved across eubacteria, archaea, and chloroplasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 15693-8	11.5	195
296	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. <i>Nature</i> , 2016 , 534, 494-9	50.4	190
295	Trends in peptide drug discovery. <i>Nature Reviews Drug Discovery</i> , 2021 , 20, 309-325	64.1	185
294	Spider-venom peptides that target voltage-gated sodium channels: pharmacological tools and potential therapeutic leads. <i>Toxicon</i> , 2012 , 60, 478-91	2.8	179
293	Were arachnids the first to use combinatorial peptide libraries?. <i>Peptides</i> , 2005 , 26, 131-9	3.8	177
292	Discovery and characterization of a family of insecticidal neurotoxins with a rare vicinal disulfide bridge. <i>Nature Structural Biology</i> , 2000 , 7, 505-13		172
291	Venom landscapes: mining the complexity of spider venoms via a combined cDNA and mass spectrometric approach. <i>Toxicon</i> , 2006 , 47, 650-63	2.8	168
290	Venomics: a new paradigm for natural products-based drug discovery. <i>Amino Acids</i> , 2011 , 40, 15-28	3.5	152
289	The structure of a novel insecticidal neurotoxin, omega-atracotoxin-HV1, from the venom of an Australian funnel web spider. <i>Nature Structural Biology</i> , 1997 , 4, 559-66		149
288	ArachnoServer 2.0, an updated online resource for spider toxin sequences and structures. <i>Nucleic Acids Research</i> , 2011 , 39, D653-7	20.1	147
287	Discovery of a selective NaV1.7 inhibitor from centipede venom with analgesic efficacy exceeding morphine in rodent pain models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17534-9	11.5	141
286	Spider-venom peptides as bioinsecticides. <i>Toxins</i> , 2012 , 4, 191-227	4.9	137

285	The MinD membrane targeting sequence is a transplantable lipid-binding helix. <i>Journal of Biological Chemistry</i> , 2003 , 278, 40050-6	5.4	128
284	Structural basis for the modulation of voltage-gated sodium channels by animal toxins. <i>Science</i> , 2018 , 362,	33.3	121
283	Macromolecular NMR spectroscopy for the non-spectroscopist. <i>FEBS Journal</i> , 2011 , 278, 687-703	5.7	116
282	The venom optimization hypothesis revisited. <i>Toxicon</i> , 2013 , 63, 120-8	2.8	115
281	From foe to friend: using animal toxins to investigate ion channel function. <i>Journal of Molecular Biology</i> , 2015 , 427, 158-175	6.5	114
280	Production of recombinant disulfide-rich venom peptides for structural and functional analysis via expression in the periplasm of <i>E. coli</i> . <i>PLoS ONE</i> , 2013 , 8, e63865	3.7	114
279	Potent neuroprotection after stroke afforded by a double-knot spider-venom peptide that inhibits acid-sensing ion channel 1a. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3750-3755	11.5	112
278	Australian funnel-web spiders: master insecticide chemists. <i>Toxicon</i> , 2004 , 43, 601-18	2.8	112
277	Tandem use of selective insecticides and natural enemies for effective, reduced-risk pest management. <i>Biological Control</i> , 2010 , 52, 208-215	3.8	111
276	The structure of versutoxin (delta-atracotoxin-Hv1) provides insights into the binding of site 3 neurotoxins to the voltage-gated sodium channel. <i>Structure</i> , 1997 , 5, 1525-35	5.2	108
275	Structure and mechanism of action of Sda, an inhibitor of the histidine kinases that regulate initiation of sporulation in <i>Bacillus subtilis</i> . <i>Molecular Cell</i> , 2004 , 13, 689-701	17.6	97
274	Intraspecific venom variation in the medically significant Southern Pacific Rattlesnake (<i>Crotalus oreganus helleri</i>): biodiscovery, clinical and evolutionary implications. <i>Journal of Proteomics</i> , 2014 , 99, 68-83	3.9	96
273	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. <i>Nature Communications</i> , 2014 , 5, 3165	17.4	95
272	Division site placement in <i>E. coli</i> : mutations that prevent formation of the MinE ring lead to loss of the normal midcell arrest of growth of polar MinD membrane domains. <i>EMBO Journal</i> , 2002 , 21, 3347-57 ¹³		95
271	Widespread convergence in toxin resistance by predictable molecular evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11911-6	11.5	94
270	Mutations in the voltage-gated potassium channel gene <i>KCNH1</i> cause Temple-Baraitser syndrome and epilepsy. <i>Nature Genetics</i> , 2015 , 47, 73-7	36.3	91
269	Pharmacological characterisation of the highly Na ^{1.7} selective spider venom peptide Pn3a. <i>Scientific Reports</i> , 2017 , 7, 40883	4.9	90
268	On the venom system of centipedes (Chilopoda), a neglected group of venomous animals. <i>Toxicon</i> , 2011 , 57, 512-24	2.8	90

267	The role of auxiliary oxidants in maintaining redox balance during phototrophic growth of <i>Rhodobacter capsulatus</i> on propionate or butyrate. <i>Archives of Microbiology</i> , 1988 , 150, 131-137	3	90
266	Chemical punch packed in venoms makes centipedes excellent predators. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 640-50	7.6	89
265	Peptide toxins that selectively target insect Na(V) and Ca(V) channels. <i>Channels</i> , 2008 , 2, 100-16	3	85
264	High resolution NMR solution structure of the leucine zipper domain of the c-Jun homodimer. <i>Journal of Biological Chemistry</i> , 1996 , 271, 13663-7	5.4	85
263	Phox homology band 4.1/ezrin/radixin/moesin-like proteins function as molecular scaffolds that interact with cargo receptors and Ras GTPases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7763-8	11.5	83
262	Unique scorpion toxin with a putative ancestral fold provides insight into evolution of the inhibitor cystine knot motif. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 10478-83	11.5	82
261	A dynamic pharmacophore drives the interaction between Psalmotoxin-1 and the putative drug target acid-sensing ion channel 1a. <i>Molecular Pharmacology</i> , 2011 , 80, 796-808	4.3	78
260	The insecticidal potential of venom peptides. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 3665-93	10.3	77
259	The tale of a resting gland: transcriptome of a replete venom gland from the scorpion <i>Hottentotta judaicus</i> . <i>Toxicon</i> , 2011 , 57, 695-703	2.8	76
258	Mapping the phosphoinositide-binding site on chick cofilin explains how PIP2 regulates the cofilin-actin interaction. <i>Molecular Cell</i> , 2006 , 24, 511-22	17.6	76
257	Selective Na _v 1.1 activation rescues Dravet syndrome mice from seizures and premature death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E8077-E8085	11.5	75
256	Discovery and structure of a potent and highly specific blocker of insect calcium channels. <i>Journal of Biological Chemistry</i> , 2001 , 276, 40306-12	5.4	73
255	The N-terminal tail of hERG contains an amphipathic β helix that regulates channel deactivation. <i>PLoS ONE</i> , 2011 , 6, e16191	3.7	72
254	Key residues characteristic of GATA N-fingers are recognized by FOG. <i>Journal of Biological Chemistry</i> , 1998 , 273, 33595-603	5.4	72
253	Structure-function studies of omega-atracotoxin, a potent antagonist of insect voltage-gated calcium channels. <i>FEBS Journal</i> , 1999 , 264, 488-94		72
252	Modulation of insect Ca(v) channels by peptidic spider toxins. <i>Toxicon</i> , 2007 , 49, 513-30	2.8	71
251	Clawing through evolution: toxin diversification and convergence in the ancient lineage Chilopoda (centipedes). <i>Molecular Biology and Evolution</i> , 2014 , 31, 2124-48	8.3	69
250	Nuclear magnetic resonance characterization of the Jun leucine zipper domain: unusual properties of coiled-coil interfacial polar residues. <i>Biochemistry</i> , 1995 , 34, 6164-74	3.2	69

249	The Cystine Knot Is Responsible for the Exceptional Stability of the Insecticidal Spider Toxin Ω Hexatoxin-Hv1a. <i>Toxins</i> , 2015 , 7, 4366-80	4.9	68
248	Spider venomics: implications for drug discovery. <i>Future Medicinal Chemistry</i> , 2014 , 6, 1699-714	4.1	68
247	Seven novel modulators of the analgesic target NaV 1.7 uncovered using a high-throughput venom-based discovery approach. <i>British Journal of Pharmacology</i> , 2015 , 172, 2445-58	8.6	67
246	Centipede venom: recent discoveries and current state of knowledge. <i>Toxins</i> , 2015 , 7, 679-704	4.9	66
245	Differential evolution and neofunctionalization of snake venom metalloprotease domains. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 651-63	7.6	65
244	Structural basis for the topological specificity function of MinE. <i>Nature Structural Biology</i> , 2000 , 7, 1013-7		65
243	Functional significance of the beta hairpin in the insecticidal neurotoxin omega-atracotoxin-Hv1a. <i>Journal of Biological Chemistry</i> , 2001 , 276, 26568-76	5.4	63
242	ArachnoServer 3.0: an online resource for automated discovery, analysis and annotation of spider toxins. <i>Bioinformatics</i> , 2018 , 34, 1074-1076	7.2	62
241	Venom peptides as therapeutics: advances, challenges and the future of venom-peptide discovery. <i>Expert Review of Proteomics</i> , 2017 , 14, 931-939	4.2	60
240	Identification and Characterization of ProTx-III [Ω TRTX-Tp1a], a New Voltage-Gated Sodium Channel Inhibitor from Venom of the Tarantula <i>Thrixopelma pruriens</i> . <i>Molecular Pharmacology</i> , 2015 , 88, 291-303	4.3	60
239	No gain, no pain: NaV1.7 as an analgesic target. <i>ACS Chemical Neuroscience</i> , 2014 , 5, 749-51	5.7	59
238	The structure of the KinA-Sda complex suggests an allosteric mechanism of histidine kinase inhibition. <i>Journal of Molecular Biology</i> , 2007 , 368, 407-20	6.5	59
237	Direct visualization of disulfide bonds through diselenide proxies using ⁷⁷ Se NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9312-4	16.4	58
236	Scanning mutagenesis of omega-atracotoxin-Hv1a reveals a spatially restricted epitope that confers selective activity against insect calcium channels. <i>Journal of Biological Chemistry</i> , 2004 , 279, 44133-40	5.4	58
235	Chemical synthesis, 3D structure, and ASIC binding site of the toxin mambalgin-2. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1017-20	16.4	56
234	The structural basis for autonomous dimerization of the pre-T-cell antigen receptor. <i>Nature</i> , 2010 , 467, 844-8	50.4	55
233	The omega-atracotoxins: selective blockers of insect M-LVA and HVA calcium channels. <i>Biochemical Pharmacology</i> , 2007 , 74, 623-38	6	55
232	Scanning mutagenesis of a Janus-faced atracotoxin reveals a bipartite surface patch that is essential for neurotoxic function. <i>Journal of Biological Chemistry</i> , 2002 , 277, 22806-13	5.4	54

231	Toxin structures as evolutionary tools: Using conserved 3D folds to study the evolution of rapidly evolving peptides. <i>BioEssays</i> , 2016 , 38, 539-48	4.1	54
230	Isolation and pharmacological characterisation of delta-atracotoxin-Hv1b, a vertebrate-selective sodium channel toxin. <i>FEBS Letters</i> , 2000 , 470, 293-9	3.8	53
229	Interaction of Tarantula Venom Peptide ProTx-II with Lipid Membranes Is a Prerequisite for Its Inhibition of Human Voltage-gated Sodium Channel NaV1.7. <i>Journal of Biological Chemistry</i> , 2016 , 291, 17049-65	5.4	52
228	Toxin delivery by the coat protein of an aphid-vectored plant virus provides plant resistance to aphids. <i>Nature Biotechnology</i> , 2014 , 32, 102-5	44.5	52
227	Molecular phylogeny and evolution of the proteins encoded by coleoid (cuttlefish, octopus, and squid) posterior venom glands. <i>Journal of Molecular Evolution</i> , 2013 , 76, 192-204	3.1	52
226	ArachnoServer: a database of protein toxins from spiders. <i>BMC Genomics</i> , 2009 , 10, 375	4.5	52
225	Mapping the MinE site involved in interaction with the MinD division site selection protein of Escherichia coli. <i>Journal of Bacteriology</i> , 2003 , 185, 4948-55	3.5	52
224	Solution structure of a defensin-like peptide from platypus venom. <i>Biochemical Journal</i> , 1999 , 341, 785-794	5.8	52
223	A distinct sodium channel voltage-sensor locus determines insect selectivity of the spider toxin Dc1a. <i>Nature Communications</i> , 2014 , 5, 4350	17.4	51
222	Unravelling the complex venom landscapes of lethal Australian funnel-web spiders (Hexathelidae: Atracinae) using LC-MALDI-TOF mass spectrometry. <i>Journal of Proteomics</i> , 2013 , 80, 292-310	3.9	51
221	A non-uniformly sampled 4D HCC(CO)NH-TOCSY experiment processed using maximum entropy for rapid protein sidechain assignment. <i>Journal of Magnetic Resonance</i> , 2010 , 204, 160-4	3	51
220	Polar explorers: membrane proteins that determine division site placement. <i>Cell</i> , 2001 , 106, 13-6	56.2	51
219	A tarantula-venom peptide antagonizes the TRPA1 nociceptor ion channel by binding to the S1-S4 gating domain. <i>Current Biology</i> , 2014 , 24, 473-83	6.3	50
218	Development of a rational nomenclature for naming peptide and protein toxins from sea anemones. <i>Toxicon</i> , 2012 , 60, 539-50	2.8	50
217	Dracula's children: molecular evolution of vampire bat venom. <i>Journal of Proteomics</i> , 2013 , 89, 95-111	3.9	50
216	Positioning of the MinE binding site on the MinD surface suggests a plausible mechanism for activation of the Escherichia coli MinD ATPase during division site selection. <i>Molecular Microbiology</i> , 2004 , 54, 99-108	4.1	50
215	Backbone dynamics of the c-Jun leucine zipper: 15N NMR relaxation studies. <i>Biochemistry</i> , 1996 , 35, 4863-77	3.7	50
214	NMR methods for determining disulfide-bond connectivities. <i>Toxicon</i> , 2010 , 56, 849-54	2.8	49

213	Differential hydrolysis of erythrocyte and mitochondrial membrane phospholipids by two phospholipase A2 isoenzymes (NK-PLA2-I and NK-PLA2-II) from the venom of the Indian monocled cobra <i>Naja kaouthia</i> . <i>Archives of Biochemistry and Biophysics</i> , 2004 , 425, 1-13	4.1	49
212	STRUCTURE AND FUNCTION OF INSECTICIDAL NEUROTOXINS FROM AUSTRALIAN FUNNEL-WEB SPIDERS. <i>Toxin Reviews</i> , 2002 , 21, 361-389		49
211	A proteomics and transcriptomics investigation of the venom from the barychelid spider <i>Trittame loki</i> (brush-foot trapdoor). <i>Toxins</i> , 2013 , 5, 2488-503	4.9	48
210	Weaponization of a Hormone: Convergent Recruitment of Hyperglycemic Hormone into the Venom of Arthropod Predators. <i>Structure</i> , 2015 , 23, 1283-92	5.2	47
209	Revisiting venom of the sea anemone <i>Stichodactyla haddoni</i> : Omics techniques reveal the complete toxin arsenal of a well-studied sea anemone genus. <i>Journal of Proteomics</i> , 2017 , 166, 83-92	3.9	45
208	A Cell-Penetrating Scorpion Toxin Enables Mode-Specific Modulation of TRPA1 and Pain. <i>Cell</i> , 2019 , 178, 1362-1374.e16	56.2	44
207	Fusion to snowdrop lectin magnifies the oral activity of insecticidal β Hexatoxin-Hv1a peptide by enabling its delivery to the central nervous system. <i>PLoS ONE</i> , 2012 , 7, e39389	3.7	44
206	The solution structure of the N-terminal zinc finger of GATA-1 reveals a specific binding face for the transcriptional co-factor FOG. <i>Journal of Biomolecular NMR</i> , 1999 , 13, 249-62	3	44
205	Isolation of an orally active insecticidal toxin from the venom of an Australian tarantula. <i>PLoS ONE</i> , 2013 , 8, e73136	3.7	44
204	Animal toxins - Nature's evolutionary-refined toolkit for basic research and drug discovery. <i>Biochemical Pharmacology</i> , 2020 , 181, 114096	6	43
203	The assassin bug <i>Pristhesancus plagipennis</i> produces two distinct venoms in separate gland lumens. <i>Nature Communications</i> , 2018 , 9, 755	17.4	43
202	Cyclization of peptides by using selenolanthionine bridges. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10298-302	16.4	43
201	Macromolecular NMR spectroscopy for the non-spectroscopist: beyond macromolecular solution structure determination. <i>FEBS Journal</i> , 2011 , 278, 704-15	5.7	43
200	Isolation of a funnel-web spider polypeptide with homology to mamba intestinal toxin 1 and the embryonic head inducer <i>Dickkopf-1</i> . <i>Toxicon</i> , 2000 , 38, 429-42	2.8	43
199	Involvement of the N-finger in the self-association of GATA-1. <i>Journal of Biological Chemistry</i> , 1998 , 273, 30560-7	5.4	43
198	Venoms to the rescue. <i>Science</i> , 2018 , 361, 842-844	33.3	43
197	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, 4026-31	11.5	42
196	Solution structure of endothelin-3 determined using NMR spectroscopy. <i>Biochemistry</i> , 1992 , 31, 5640-5	3.2	42

195	A comprehensive portrait of the venom of the giant red bull ant, , reveals a hyperdiverse hymenopteran toxin gene family. <i>Science Advances</i> , 2018 , 4, eaau4640	14.3	42
194	Orally active acaricidal peptide toxins from spider venom. <i>Toxicon</i> , 2006 , 47, 182-7	2.8	40
193	Diversification of a single ancestral gene into a successful toxin superfamily in highly venomous Australian funnel-web spiders. <i>BMC Genomics</i> , 2014 , 15, 177	4.5	39
192	Squeezers and leaf-cutters: differential diversification and degeneration of the venom system in toxiciferan reptiles. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 1881-99	7.6	39
191	The relationship between hetero-oligomer formation and function of the topological specificity domain of the Escherichia coli MinE protein. <i>Molecular Microbiology</i> , 1998 , 30, 265-73	4.1	39
190	Regulation of RhoGEF activity by intramolecular and intermolecular SH3 domain interactions. <i>Journal of Biological Chemistry</i> , 2006 , 281, 18774-86	5.4	38
189	Venoms of Heteropteran Insects: A Treasure Trove of Diverse Pharmacological Toolkits. <i>Toxins</i> , 2016 , 8, 43	4.9	38
188	Modulatory features of the novel spider toxin β TRTX-Df1a isolated from the venom of the spider <i>Davus fasciatus</i> . <i>British Journal of Pharmacology</i> , 2017 , 174, 2528-2544	8.6	37
187	The Bacillus subtilis cell division proteins FtsL and DivIC are intrinsically unstable and do not interact with one another in the absence of other septasomal components. <i>Molecular Microbiology</i> , 2002 , 44, 663-74	4.1	37
186	High resolution 1H NMR study of the solution structure of the S4 segment of the sodium channel protein. <i>FEBS Letters</i> , 1989 , 257, 113-7	3.8	37
185	Molecular evolution of vertebrate neurotrophins: co-option of the highly conserved nerve growth factor gene into the advanced snake venom arsenal. <i>PLoS ONE</i> , 2013 , 8, e81827	3.7	37
184	Entomo-venomics: The evolution, biology and biochemistry of insect venoms. <i>Toxicon</i> , 2018 , 154, 15-27	2.8	37
183	PcTx1 affords neuroprotection in a conscious model of stroke in hypertensive rats via selective inhibition of ASIC1a. <i>Neuropharmacology</i> , 2015 , 99, 650-7	5.5	36
182	Molecular basis of the interaction between gating modifier spider toxins and the voltage sensor of voltage-gated ion channels. <i>Scientific Reports</i> , 2016 , 6, 34333	4.9	36
181	Chemical synthesis and folding of APETx2, a potent and selective inhibitor of acid sensing ion channel 3. <i>Toxicon</i> , 2009 , 54, 56-61	2.8	36
180	Direct NMR evidence that prolidase is specific for the trans isomer of imidodipeptide substrates. <i>Biochemistry</i> , 1986 , 25, 1054-62	3.2	36
179	Melt With This Kiss: Paralyzing and Liquefying Venom of The Assassin Bug (Hemiptera: Reduviidae). <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 552-566	7.6	35
178	Cloning and activity of a novel β atrotoxin from red-back spider venom. <i>Biochemical Pharmacology</i> , 2012 , 83, 170-83	6	35

177	Proteomics and deep sequencing comparison of seasonally active venom glands in the platypus reveals novel venom peptides and distinct expression profiles. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 1354-64	7.6	35
176	Spectroscopic identification of a dinuclear metal centre in manganese(II)-activated aminopeptidase P from <i>Escherichia coli</i> : implications for human prolidase. <i>Journal of Biological Inorganic Chemistry</i> , 1998 , 3, 470-483	3.7	35
175	Site-specific pK(a) determination of selenocysteine residues in selenovasoressin by using ⁷⁷ Se NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11952-5	16.4	34
174	The Janus-faced atracotoxins are specific blockers of invertebrate K(Ca) channels. <i>FEBS Journal</i> , 2008 , 275, 4045-59	5.7	34
173	The dimerization and topological specificity functions of MinE reside in a structurally autonomous C-terminal domain. <i>Molecular Microbiology</i> , 1999 , 31, 1161-9	4.1	34
172	Calculation of symmetric multimer structures from NMR data using a priori knowledge of the monomer structure, co-monomer restraints, and interface mapping: The case of leucine zippers. <i>Journal of Biomolecular NMR</i> , 1996 , 8, 193-206	3	34
171	Construction of a hypervirulent and specific mycoinsecticide for locust control. <i>Scientific Reports</i> , 2014 , 4, 7345	4.9	33
170	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. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 9195-203	8.3	33
169	Domain architecture and structure of the bacterial cell division protein DivIB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6700-5	11.5	31
168	Role of interfacial hydrophobic residues in the stabilization of the leucine zipper structures of the transcription factors c-Fos and c-Jun. <i>Journal of Biological Chemistry</i> , 2002 , 277, 23-31	5.4	31
167	Conformation of sarafotoxin-6b in aqueous solution determined by NMR spectroscopy and distance geometry. <i>FEBS Letters</i> , 1991 , 282, 247-52	3.8	31
166	Development of a sensitive peptide-based immunoassay: application to detection of the Jun and Fos oncoproteins. <i>Biochemistry</i> , 1996 , 35, 9069-75	3.2	30
165	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	5.7	29
164	Structural venomomics reveals evolution of a complex venom by duplication and diversification of an ancient peptide-encoding gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11399-11408	11.5	29
163	Molecular dynamics and functional studies define a hot spot of crystal contacts essential for PcTx1 inhibition of acid-sensing ion channel 1a. <i>British Journal of Pharmacology</i> , 2015 , 172, 4985-95	8.6	29
162	Multifunctional warheads: diversification of the toxin arsenal of centipedes via novel multidomain transcripts. <i>Journal of Proteomics</i> , 2014 , 102, 1-10	3.9	29
161	Gating modifier toxins isolated from spider venom: Modulation of voltage-gated sodium channels and the role of lipid membranes. <i>Journal of Biological Chemistry</i> , 2018 , 293, 9041-9052	5.4	28
160	The insecticidal neurotoxin Aps III is an atypical knottin peptide that potently blocks insect voltage-gated sodium channels. <i>Biochemical Pharmacology</i> , 2013 , 85, 1542-54	6	28

159	The generation of ¹ H-NMR-detectable mobile lipid in stimulated lymphocytes: relationship to cellular activation, the cell cycle, and phosphatidylcholine-specific phospholipase C. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 239, 868-74	3.4	28
158	An NMR investigation of the changes in plasma membrane triglyceride and phospholipid precursors during the activation of T-lymphocytes. <i>Biochemistry</i> , 1992 , 31, 9098-106	3.2	28
157	Inhibition and active-site modelling of prolidase. <i>FEBS Journal</i> , 1989 , 180, 377-84		28
156	Proton NMR spectroscopic studies of dipeptidase in human erythrocytes. <i>Biochemical and Biophysical Research Communications</i> , 1983 , 110, 305-12	3.4	28
155	The structure, dynamics and selectivity profile of a NaV1.7 potency-optimised huwentoxin-IV variant. <i>PLoS ONE</i> , 2017 , 12, e0173551	3.7	28
154	Functional expression in <i>Escherichia coli</i> of the disulfide-rich sea anemone peptide APETx2, a potent blocker of acid-sensing ion channel 3. <i>Marine Drugs</i> , 2012 , 10, 1605-18	6	27
153	The dimerization function of MinC resides in a structurally autonomous C-terminal domain. <i>Journal of Bacteriology</i> , 2001 , 183, 6684-7	3.5	27
152	Structural and biochemical studies of human galanin: NMR evidence for nascent helical structures in aqueous solution. <i>Biochemistry</i> , 1995 , 34, 4538-45	3.2	27
151	Tying pest insects in knots: the deployment of spider-venom-derived knottins as bioinsecticides. <i>Pest Management Science</i> , 2019 , 75, 2437-2445	4.6	26
150	Gomesin inhibits melanoma growth by manipulating key signaling cascades that control cell death and proliferation. <i>Scientific Reports</i> , 2018 , 8, 11519	4.9	26
149	High-resolution solution structure of gurmarin, a sweet-taste-suppressing plant polypeptide. <i>FEBS Journal</i> , 1999 , 264, 525-33		26
148	Three Peptide Modulators of the Human Voltage-Gated Sodium Channel 1.7, an Important Analgesic Target, from the Venom of an Australian Tarantula. <i>Toxins</i> , 2015 , 7, 2494-513	4.9	25
147	NaV1.1 inhibition can reduce visceral hypersensitivity. <i>JCI Insight</i> , 2018 , 3,	9.9	25
146	Dipteran toxicity assays for determining the oral insecticidal activity of venoms and toxins. <i>Toxicon</i> , 2018 , 150, 297-303	2.8	24
145	Site-directed mutants of RTP of <i>Bacillus subtilis</i> and the mechanism of replication fork arrest. <i>Journal of Molecular Biology</i> , 1999 , 286, 1325-35	6.5	24
144	Solution structure of a defensin-like peptide from platypus venom. <i>Biochemical Journal</i> , 1999 , 341, 785	3.8	24
143	SVM-based prediction of propeptide cleavage sites in spider toxins identifies toxin innovation in an Australian tarantula. <i>PLoS ONE</i> , 2013 , 8, e66279	3.7	24
142	Inhibition of acid-sensing ion channels by diminazene and APETx2 evoke partial and highly variable antihyperalgesia in a rat model of inflammatory pain. <i>British Journal of Pharmacology</i> , 2018 , 175, 2204-2218	8.6	24

141	Giant fish-killing water bug reveals ancient and dynamic venom evolution in Heteroptera. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 3215-3229	10.3	23
140	RNA polymerase-induced remodelling of NusA produces a pause enhancement complex. <i>Nucleic Acids Research</i> , 2015 , 43, 2829-40	20.1	23
139	The insecticidal spider toxin SF11 is a knottin peptide that blocks the pore of insect voltage-gated sodium channels via a large hairpin loop. <i>FEBS Journal</i> , 2015 , 282, 904-20	5.7	23
138	A tale of two terminators: crystal structures sharpen the debate on DNA replication fork arrest mechanisms. <i>Structure</i> , 1997 , 5, 1-5	5.2	23
137	Improved efficacy of an arthropod toxin expressing fungus against insecticide-resistant malaria-vector mosquitoes. <i>Scientific Reports</i> , 2017 , 7, 3433	4.9	22
136	Sea Anemone Toxins: A Structural Overview. <i>Marine Drugs</i> , 2019 , 17,	6	22
135	Studies of rat brain metabolism using proton nuclear magnetic resonance: spectral assignments and monitoring of prolidase, acetylcholinesterase, and glutaminase. <i>Journal of Neurochemistry</i> , 1984 , 43, 1561-7	6	22
134	Centipede venoms as a source of drug leads. <i>Expert Opinion on Drug Discovery</i> , 2016 , 11, 1139-1149	6.2	21
133	Determination of the structure of symmetric coiled-coil proteins from NMR data: application of the leucine zipper proteins Jun and GCN4. <i>Protein Engineering, Design and Selection</i> , 1993 , 6, 557-64	1.9	21
132	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	10.3	20
131	Measuring macromolecular diffusion using heteronuclear multiple-quantum pulsed-field-gradient NMR. <i>Journal of Biomolecular NMR</i> , 1997 , 10, 1-8	3	20
130	The Bacillus subtilis DNA replication terminator. <i>Journal of Molecular Biology</i> , 1996 , 260, 54-69	6.5	20
129	Membrane-binding properties of gating modifier and pore-blocking toxins: Membrane interaction is not a prerequisite for modification of channel gating. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 872-82	3.8	20
128	Cyclisation increases the stability of the sea anemone peptide APETx2 but decreases its activity at acid-sensing ion channel 3. <i>Marine Drugs</i> , 2012 , 10, 1511-27	6	19
127	Comparison of the peptidome and insecticidal activity of venom from a taxonomically diverse group of theraphosid spiders. <i>Toxicon</i> , 2009 , 53, 496-502	2.8	19
126	Role of the structurally disordered N- and C-terminal residues in the Janus-faced atracotoxins. <i>Toxicon</i> , 2002 , 40, 1355-61	2.8	19
125	Symmetry and secondary structure of the replication terminator protein of Bacillus subtilis: sedimentation equilibrium and circular dichroic, infrared, and NMR spectroscopic studies. <i>Biochemistry</i> , 1993 , 32, 10216-23	3.2	19
124	Chemical synthesis and structure of the prokineticin Bv8. <i>ChemBioChem</i> , 2010 , 11, 1882-8	3.8	18

123	Dimethylsulphoxide and trimethylamine-N-oxide as bacterial electron transport acceptors: use of nuclear magnetic resonance to assay and characterise the reductase system in <i>Rhodobacter capsulatus</i> . <i>Archives of Microbiology</i> , 1987 , 149, 47-51	3	18
122	Recombinant expression of margatoxin and agitoxin-2 in <i>Pichia pastoris</i> : an efficient method for production of KV1.3 channel blockers. <i>PLoS ONE</i> , 2012 , 7, e52965	3.7	18
121	Cyclization of Peptides by using Selenolanthionine Bridges. <i>Angewandte Chemie</i> , 2012 , 124, 10444-10448	3.6	17
120	The lethal toxin from Australian funnel-web spiders is encoded by an intronless gene. <i>PLoS ONE</i> , 2012 , 7, e43699	3.7	17
119	Artificial septal targeting of <i>Bacillus subtilis</i> cell division proteins in <i>Escherichia coli</i> : an interspecies approach to the study of protein-protein interactions in multiprotein complexes. <i>Journal of Bacteriology</i> , 2008 , 190, 6048-59	3.5	17
118	Determination of ligand binding modes in weak protein-ligand complexes using sparse NMR data. <i>Journal of Biomolecular NMR</i> , 2016 , 66, 195-208	3	16
117	Structural and molecular diversification of the <i>Anguimorpha</i> lizard mandibular venom gland system in the arboreal species <i>Abronia graminea</i> . <i>Journal of Molecular Evolution</i> , 2012 , 75, 168-83	3.1	16
116	Reorganization of terminator DNA upon binding replication terminator protein: implications for the functional replication fork arrest complex. <i>Nucleic Acids Research</i> , 1997 , 25, 590-6	20.1	16
115	Two-dimensional 1H NMR studies of membrane changes during the activation of primary T lymphocytes. <i>ImmunoMethods</i> , 1994 , 4, 127-38		16
114	Molecular basis of the remarkable species selectivity of an insecticidal sodium channel toxin from the African spider <i>Augacephalus ezendami</i> . <i>Scientific Reports</i> , 2016 , 6, 29538	4.9	16
113	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. <i>Biochemical Pharmacology</i> , 2019 , 163, 381-390	6	15
112	Aphicidal efficacy of scorpion- and spider-derived neurotoxins. <i>Toxicon</i> , 2013 , 70, 114-22	2.8	15
111	The assimilation of tri- and tetrapeptides by human erythrocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1985 , 846, 127-34	4.9	15
110	Isolation and characterization of a structurally unique hairpin venom peptide from the predatory ant <i>Anochetus emarginatus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 2553-2562	4	15
109	A Strategy for Production of Correctly Folded Disulfide-Rich Peptides in the Periplasm of <i>E. coli</i> . <i>Methods in Molecular Biology</i> , 2017 , 1586, 155-180	1.4	14
108	Discovery and mode of action of a novel analgesic toxin from the African spider <i>Ceratogyrus darlingi</i> . <i>PLoS ONE</i> , 2017 , 12, e0182848	3.7	14
107	Identification and Functional Characterization of Sugarcane Invertase Inhibitor (I): A Potential Candidate for Reducing Pre- and Post-harvest Loss of Sucrose in Sugarcane. <i>Frontiers in Plant Science</i> , 2018 , 9, 598	6.2	14
106	Functional characterization on invertebrate and vertebrate tissues of tachykinin peptides from octopus venoms. <i>Peptides</i> , 2013 , 47, 71-6	3.8	14

105	The Use of Imaging Mass Spectrometry to Study Peptide Toxin Distribution in Australian Sea Anemones. <i>Australian Journal of Chemistry</i> , 2017 , 70, 1235	1.2	14
104	Venom Profiling of a Population of the Theraphosid Spider <i>Phlogius crassipes</i> Reveals Continuous Ontogenetic Changes from Juveniles through Adulthood. <i>Toxins</i> , 2017 , 9,	4.9	14
103	Do vicinal disulfide bridges mediate functionally important redox transformations in proteins?. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1976-80	8.4	14
102	Localization of Nav 1.7 in the normal and injured rodent olfactory system indicates a critical role in olfaction, pheromone sensing and immune function. <i>Channels</i> , 2012 , 6, 103-10	3	14
101	¹ H-NMR visible neutral lipids in activated T lymphocytes: relationship to phosphatidylcholine cycling. <i>Lipids and Lipid Metabolism</i> , 1996 , 1303, 215-21		14
100	The solution structure of the leucine zipper motif of the Jun oncoprotein homodimer. <i>FEBS Journal</i> , 1993 , 214, 415-24		14
99	Isolation, synthesis and characterization of TxRTX-Cc1a , a novel tarantula venom peptide that selectively targets L-type Cav channels. <i>Biochemical Pharmacology</i> , 2014 , 89, 276-86	6	13
98	Australian funnel-web spiders evolved human-lethal \alpha -hexatoxins for defense against vertebrate predators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24920-24928	11.5	13
97	Efficient Enzymatic Ligation of Inhibitor Cystine Knot Spider Venom Peptides: Using Sortase A To Form Double-Knottins That Probe Voltage-Gated Sodium Channel Na1.7. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3309-3319	6.3	13
96	Insulin-like growth factor binding protein-2: NMR analysis and structural characterization of the N-terminal domain. <i>Biochimie</i> , 2012 , 94, 608-16	4.6	12
95	Cloning, expression, and spectroscopic studies of the Jun leucine zipper domain. <i>FEBS Journal</i> , 1994 , 219, 877-86		12
94	Determination of the solution structure of a platelet-adhesion peptide of von Willebrand factor. <i>Biochemistry</i> , 1992 , 31, 11152-8	3.2	12
93	A selective Na1.1 activator with potential for treatment of Dravet syndrome epilepsy. <i>Biochemical Pharmacology</i> , 2020 , 181, 113991	6	11
92	<i>Xenopus borealis</i> as an alternative source of oocytes for biophysical and pharmacological studies of neuronal ion channels. <i>Scientific Reports</i> , 2015 , 5, 14763	4.9	11
91	Evidence from artificial septal targeting and site-directed mutagenesis that residues in the extracytoplasmic \alpha -domain of DivIB mediate its interaction with the divisomal transpeptidase PBP 2B. <i>Journal of Bacteriology</i> , 2010 , 192, 6116-25	3.5	11
90	The divisomal protein DivIB contains multiple epitopes that mediate its recruitment to incipient division sites. <i>Molecular Microbiology</i> , 2008 , 67, 1143-55	4.1	11
89	A model genetic system for testing the in vivo function of peptide toxins. <i>Peptides</i> , 2007 , 28, 51-6	3.8	11
88	Selective inhibition of ASIC1a confers functional and morphological neuroprotection following traumatic spinal cord injury. <i>F1000Research</i> , 2016 , 5, 1822	3.6	11

87	A spider-venom peptide with multitarget activity on sodium and calcium channels alleviates chronic visceral pain in a model of irritable bowel syndrome. <i>Pain</i> , 2021 , 162, 569-581	8	11
86	Gomesin peptides prevent proliferation and lead to the cell death of devil facial tumour disease cells. <i>Cell Death Discovery</i> , 2018 , 4, 19	6.9	10
85	Novel venom-derived inhibitors of the human EAG channel, a putative antiepileptic drug target. <i>Biochemical Pharmacology</i> , 2018 , 158, 60-72	6	10
84	Fluorescence Imaging of Peripheral Nerves by a Na1.7-Targeted Inhibitor Cystine Knot Peptide. <i>Bioconjugate Chemistry</i> , 2019 , 30, 2879-2888	6.3	10
83	CHAPTER 2:The Structural Universe of Disulfide-Rich Venom Peptides. <i>RSC Drug Discovery Series</i> , 2015 , 37-79	0.6	10
82	Methods for Deployment of Spider Venom Peptides as Bioinsecticides. <i>Advances in Insect Physiology</i> , 2014 , 389-411	2.5	10
81	Role of the PAS sensor domains in the Bacillus subtilis sporulation kinase KinA. <i>Journal of Bacteriology</i> , 2013 , 195, 2349-58	3.5	10
80	The Vps4 C-terminal helix is a critical determinant for assembly and ATPase activity and has elements conserved in other members of the meiotic clade of AAA ATPases. <i>FEBS Journal</i> , 2008 , 275, 1427-1449	5.7	10
79	Theoretical and practical aspects of NMR studies of cells. <i>ImmunoMethods</i> , 1994 , 4, 85-97		10
78	Fifteen years of Na 1.7 channels as an analgesic target: Why has excellent in vitro pharmacology not translated into in vivo analgesic efficacy?. <i>British Journal of Pharmacology</i> , 2020 ,	8.6	10
77	Deadly Proteomes: A Practical Guide to Proteotranscriptomics of Animal Venoms. <i>Proteomics</i> , 2020 , 20, e1900324	4.8	10
76	Can we resolve the taxonomic bias in spider venom research?. <i>Toxicon: X</i> , 2019 , 1, 100005	2.6	10
75	Isolation of two insecticidal toxins from venom of the Australian theraphosid spider Coremiocnemis tropix. <i>Toxicon</i> , 2016 , 123, 62-70	2.8	9
74	Structure of the sporulation histidine kinase inhibitor Sda from Bacillus subtilis and insights into its solution state. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009 , 65, 574-81		9
73	Selective inhibition of ASIC1a confers functional and morphological neuroprotection following traumatic spinal cord injury. <i>F1000Research</i> , 2016 , 5, 1822	3.6	9
72	Venom Peptides with Dual Modulatory Activity on the Voltage-Gated Sodium Channel Na1.1 Provide Novel Leads for Development of Antiepileptic Drugs. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 119-134	5.9	9
71	Missiles of Mass Disruption: Composition and Glandular Origin of Venom Used as a Projectile Defensive Weapon by the Assassin Bug. <i>Toxins</i> , 2019 , 11,	4.9	9
70	Buzz Kill: Function and Proteomic Composition of Venom from the Giant Assassin Fly (Diptera: Asilidae). <i>Toxins</i> , 2018 , 10,	4.9	9

69	Periplasmic Expression of 4/7 EConotoxin TxIA Analogs in Favors Ribbon Isomer Formation - Suggestion of a Binding Mode at the α nAChR. <i>Frontiers in Pharmacology</i> , 2019 , 10, 577	5.6	8
68	Harvesting Venom Toxins from Assassin Bugs and Other Heteropteran Insects. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	8
67	Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemia-Reperfusion Injury. <i>Circulation</i> , 2021 , 144, 947-960	16.7	8
66	The antitrypanosomal diarylamidines, diminazene and pentamidine, show anthelmintic activity against <i>Haemonchus contortus</i> in vitro. <i>Veterinary Parasitology</i> , 2019 , 270, 40-46	2.8	7
65	Chapter 8:Therapeutic Applications of Spider-Venom Peptides. <i>RSC Drug Discovery Series</i> , 2015 , 221-244o.6	0.6	7
64	Enkephalin degradation by human erythrocytes and hemolysates studied using ¹ H NMR spectroscopy. <i>Archives of Biochemistry and Biophysics</i> , 1985 , 242, 515-22	4.1	7
63	Weaponisation on the fly Convergent recruitment of knottin and defensin peptide scaffolds into the venom of predatory assassin flies. <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 118, 103310	4.5	7
62	Two for the Price of One: Heterobivalent Ligand Design Targeting Two Binding Sites on Voltage-Gated Sodium Channels Slows Ligand Dissociation and Enhances Potency. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 12773-12785	8.3	7
61	A Versatile and Robust Serine Protease Inhibitor Scaffold from. <i>Marine Drugs</i> , 2019 , 17,	6	7
60	NMR methods for measuring membrane transport. <i>Sub-Cellular Biochemistry</i> , 1994 , 23, 247-327	5.5	7
59	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. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 127-38	6.1	6
58	Fluorescence labeling of a Na ^{1.7} -targeted peptide for near-infrared nerve visualization. <i>EJNMMI Research</i> , 2020 , 10, 49	3.6	6
57	Development of High-Throughput Fluorescent-Based Screens to Accelerate Discovery of P2X Inhibitors from Animal Venoms. <i>Journal of Natural Products</i> , 2019 , 82, 2559-2567	4.9	5
56	It Takes Two: Dimerization Is Essential for the Broad-Spectrum Predatory and Defensive Activities of the Venom Peptide Mp1a from the Jack Jumper Ant. <i>Biomedicines</i> , 2020 , 8,	4.8	5
55	Functional implications of large backbone amplitude motions of the glycoprotein 130-binding epitope of interleukin-6. <i>FEBS Journal</i> , 2014 , 281, 2471-83	5.7	5
54	CHAPTER 3:Venoms-Based Drug Discovery: Proteomic and Transcriptomic Approaches. <i>RSC Drug Discovery Series</i> , 2015 , 80-96	0.6	5
53	Site-Specific pKa Determination of Selenocysteine Residues in Selenovasoressin by Using ⁷⁷ Se NMR Spectroscopy. <i>Angewandte Chemie</i> , 2011 , 123, 12158-12161	3.6	5
52	Derivation of Peptide and Protein Structure using NMR Spectroscopy 2010 , 279-325		5

51	Zippering up transcription factors: Rational design of anti-Jun and anti-Fos peptides. <i>International Journal of Peptide Research and Therapeutics</i> , 1997 , 4, 67-77		5
50	Histidine kinases as antimicrobial targets: prospects and pitfalls. <i>Mini-Reviews in Medicinal Chemistry</i> , 2007 , 7, 1144-54	3.2	5
49	The unusual conformation of cross-strand disulfide bonds is critical to the stability of Hairpin peptides. <i>Proteins: Structure, Function and Bioinformatics</i> , 2020 , 88, 485-502	4.2	5
48	Structural basis of the potency and selectivity of Urotoxin, a potent Kv1 blocker from scorpion venom. <i>Biochemical Pharmacology</i> , 2020 , 174, 113782	6	5
47	Mutational analysis of ProTx-I and the novel venom peptide Pe1b provide insight into residues responsible for selective inhibition of the analgesic drug target Na1.7. <i>Biochemical Pharmacology</i> , 2020 , 181, 114080	6	4
46	284. The Bio-Logic of Venom Complexity. <i>Toxicon</i> , 2012 , 60, 241-242	2.8	4
45	Natural Born Insect Killers: Spider-venom Peptides and Their Potential for Managing Arthropod Pests. <i>Outlooks on Pest Management</i> , 2013 , 24, 16-19	1.7	4
44	Backbone and side-chain 1H, 15N, and 13C assignments for the beta domain of the bacterial cell division protein DivIB. <i>Journal of Biomolecular NMR</i> , 2005 , 31, 261-2	3	4
43	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> , 2021 ,	5.7	4
42	Production, composition, and mode of action of the painful defensive venom produced by a limacodid caterpillar,. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
41	Tentacle Morphological Variation Coincides with Differential Expression of Toxins in Sea Anemones. <i>Toxins</i> , 2021 , 13,	4.9	4
40	Characterization of Three Venom Peptides from the Spitting Spider <i>Scytodes thoracica</i> . <i>PLoS ONE</i> , 2016 , 11, e0156291	3.7	4
39	Venom composition of the endoparasitoid wasp <i>Cotesia flavipes</i> (Hymenoptera: Braconidae) and functional characterization of a major venom peptide. <i>Toxicon</i> , 2021 , 202, 1-12	2.8	4
38	Venom of the Red-Bellied Black Snake Shows Immunosuppressive Potential. <i>Toxins</i> , 2020 , 12,	4.9	3
37	Insect-Active Toxins with Promiscuous Pharmacology from the African Theraphosid Spider <i>Monocentropus balfouri</i> . <i>Toxins</i> , 2017 , 9,	4.9	3
36	Zippering up transcription factors: Rational design of anti-Jun and anti-Fos peptides. <i>International Journal of Peptide Research and Therapeutics</i> , 1997 , 4, 67-77		3
35	Controlling leucine zipper specificity with interfacial hydrophobic residues. <i>International Journal of Peptide Research and Therapeutics</i> , 1999 , 6, 381-390		3
34	No evidence for bradykinin hydrolysis in human erythrocyte suspensions: 1H NMR studies. <i>American Journal of Hematology</i> , 1987 , 25, 183-9	7.1	3

33	A nuclear magnetic resonance study of alamethicin-, Haemolysin-, and melittin-induced sodium leakage from large unilamellar vesicles. <i>Biochemical Society Transactions</i> , 1988 , 16, 594-595	5.1	3
32	A peptide toxin in ant venom mimics vertebrate EGF-like hormones to cause long-lasting hypersensitivity in mammals.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	3
31	Olfactory bulb-targeted quantum dot (QD) bioconjugate and Kv1.3 blocking peptide improve metabolic health in obese male mice. <i>Journal of Neurochemistry</i> , 2021 , 157, 1876-1896	6	3
30	Venom chemistry underlying the painful stings of velvet ants (Hymenoptera: Mutillidae). <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 5163-5177	10.3	3
29	Evaluation of Chemical Strategies for Improving the Stability and Oral Toxicity of Insecticidal Peptides. <i>Biomedicines</i> , 2018 , 6,	4.8	3
28	Addition of K22 Converts Spider Venom Peptide Pme2a from an Activator to an Inhibitor of Na1.7. <i>Biomedicines</i> , 2020 , 8,	4.8	2
27	From kinetics to imaging: an NMR odyssey--a festschrift symposium in honour of Philip William Kuchel. <i>European Biophysics Journal</i> , 2013 , 42, 1-2	1.9	2
26	The Neurotoxic Mode of Action of Venoms from the Spider Family Theraphosidae 2013 , 203-215		2
25	Backbone and side-chain 1H, 15N, and 13C assignments for chick cofilin. <i>Journal of Biomolecular NMR</i> , 2002 , 22, 193-4	3	2
24	Measurement of peptide transport using proton nuclear magnetic resonance spectroscopy. <i>Biochemical Society Transactions</i> , 1988 , 16, 635-636	5.1	2
23	Crouching Tiger, Hidden Protein: Searching for Insecticidal Toxins in Venom of the Red Tiger Assassin Bug (). <i>Toxins</i> , 2020 , 13,	4.9	2
22	Heterodimeric Insecticidal Peptide Provides New Insights into the Molecular and Functional Diversity of Ant Venoms. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 1211-1224	5.9	2
21	NMR structure and dynamics of inhibitory repeat domain variant 12, a plant protease inhibitor from , and its structural relationship to other plant protease inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 1388-1397	3.6	2
20	Multipurpose peptides: The venoms of Amazonian stinging ants contain anthelmintic ponericins with diverse predatory and defensive activities. <i>Biochemical Pharmacology</i> , 2021 , 192, 114693	6	2
19	CHAPTER 12:Does Nature do Ion Channel Drug Discovery Better than Us?. <i>RSC Drug Discovery Series</i> , 2014 , 297-319	0.6	1
18	Backbone and side chain NMR assignments of Geobacillus stearotherophilus ZapA allow identification of residues that mediate the interaction of ZapA with FtsZ. <i>Biomolecular NMR Assignments</i> , 2015 , 9, 387-91	0.7	1
17	Chemical Synthesis, 3D Structure, and ASIC Binding Site of the Toxin Mambalgin-2. <i>Angewandte Chemie</i> , 2014 , 126, 1035-1038	3.6	1
16	Backbone and side-chain 1H, 15N and 13C assignments for the cis conformer of the beta domain of the bacterial cell division protein DivIB. <i>Journal of Biomolecular NMR</i> , 2005 , 33, 135	3	1

15	Backbone and side-chain 1H, 15N, and 13C assignments for the topological specificity domain of the MinE cell division protein. <i>Journal of Biomolecular NMR</i> , 1999 , 13, 395-6	3	1
14	Towards a generic prototyping approach for therapeutically-relevant peptides and proteins in a cell-free translation system.. <i>Nature Communications</i> , 2022 , 13, 260	17.4	1
13	Venom-derived modulators of epilepsy-related ion channels. <i>Biochemical Pharmacology</i> , 2020 , 181, 114043	4.3	1
12	Acid sensing ion channel 1a is a key mediator of cardiac ischemia-reperfusion injury		1
11	Pharmacological Inhibition of the Voltage-Gated Sodium Channel Na1.7 Alleviates Chronic Visceral Pain in a Rodent Model of Irritable Bowel Syndrome. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 1362-1378	5.9	1
10	Acid-Sensing Ion Channels: Expression and Function in Resident and Infiltrating Immune Cells in the Central Nervous System. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 738043	6.1	1
9	A pain-causing and paralytic ant venom glycopeptide. <i>IScience</i> , 2021 , 24, 103175	6.1	1
8	The Tarantula Venom Peptide Eo1a Binds to the Domain II S3-S4 Extracellular Loop of Voltage-Gated Sodium Channel Na1.8 to Enhance Activation.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 789570	5.6	0
7	Total Synthesis of the Spider-Venom Peptide Hi1a. <i>Organic Letters</i> , 2021 , 23, 8375-8379	6.2	0
6	Bimodal Imaging of Mouse Peripheral Nerves with Chlorin Tracers. <i>Molecular Pharmaceutics</i> , 2021 , 18, 940-951	5.6	0
5	Proteotranscriptomics reveals the secretory dynamics of teratocytes, regulators of parasitization by the endoparasitoid wasp <i>Cotesia flavipes</i> .. <i>Journal of Insect Physiology</i> , 2022 , 104395	2.4	0
4	Spider toxins: A new group of potassium channel modulators. <i>Journal of Computer - Aided Molecular Design</i> , 1999 , 15/16, 61-69		
3	Controlling leucine zipper specificity with interfacial hydrophobic residues. <i>International Journal of Peptide Research and Therapeutics</i> , 1999 , 6, 381-390		
2	Derivation of Peptide and Protein Structure using NMR Spectroscopy 2010 , 14-49		
1	The Tarantula Toxin EAvsp1a Specifically Inhibits Human CaV3.1 and CaV3.3 via the Extracellular S3-S4 Loop of the Domain 1 Voltage-Sensor. <i>Biomedicines</i> , 2022 , 10, 1066	4.8	