Glenn F King

List of Publications by Year in Descending Order

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	Towards a generic prototyping approach for therapeutically-relevant peptides and proteins in a cell-free translation system.. *Nature Communications*, **2022**, 13, 260	17.4	1
301	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,	11.5	3
300	Proteotranscriptomics reveals the secretory dynamics of teratocytes, regulators of parasitization by the endoparasitoid wasp Cotesia flavipes.. *Journal of Insect Physiology*, **2022**, 104395	2.4	0
299	The Tarantula Toxin 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	4.8	
298	The Tarantula Venom Peptide Eo1a Binds to the Domain II S3-S4 Extracellular Loop of Voltage-Gated Sodium Channel Na1.8 to Enhance Activation.. *Frontiers in Pharmacology*, **2021**, 12, 789570	5.6	0
297	Venoms for all occasions: The functional toxin profiles of different anatomical regions in sea anemones are related to their ecological function. *Molecular Ecology*, **2021**,	5.7	4
296	Total Synthesis of the Spider-Venom Peptide Hi1a. *Organic Letters*, **2021**, 23, 8375-8379	6.2	0
295	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	8	11
294	Olfactory bulb-targeted quantum dot (QD) bioconjugate and Kv1.3 blocking peptide improve metabolic health in obese male mice. *Journal of Neurochemistry*, **2021**, 157, 1876-1896	6	3
293	Production, composition, and mode of action of the painful defensive venom produced by a limacodid caterpillar,. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
292	Venom chemistry underlying the painful stings of velvet ants (Hymenoptera: Mutillidae). *Cellular and Molecular Life Sciences*, **2021**, 78, 5163-5177	10.3	3
291	Tentacle Morphological Variation Coincides with Differential Expression of Toxins in Sea Anemones. *Toxins*, **2021**, 13,	4.9	4
290	Pharmacological Inhibition of the Voltage-Gated Sodium Channel Na1.7 Alleviates Chronic Visceral Pain in a Rodent Model of Irritable Bowel Syndrome. *ACS Pharmacology and Translational Science*, **2021**, 4, 1362-1378	5.9	1
289	Bimodal Imaging of Mouse Peripheral Nerves with Chlorin Tracers. *Molecular Pharmaceutics*, **2021**, 18, 940-951	5.6	0
288	Trends in peptide drug discovery. *Nature Reviews Drug Discovery*, **2021**, 20, 309-325	64.1	185
287	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	6.1	1
286	Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemia-Reperfusion Injury. *Circulation*, **2021**, 144, 947-960	16.7	8

285	A pain-causing and paralytic ant venom glycopeptide. *IScience*, **2021**, 24, 103175	6.1	1
284	Venom composition of the endoparasitoid wasp Cotesia flavipes (Hymenoptera: Braconidae) and functional characterization of a major venom peptide. *Toxicon*, **2021**, 202, 1-12	2.8	4
283	Multipurpose peptides: The venoms of Amazonian stinging ants contain anthelmintic ponericins with diverse predatory and defensive activities. *Biochemical Pharmacology*, **2021**, 192, 114693	6	2
282	Venom of the Red-Bellied Black Snake Shows Immunosuppressive Potential. *Toxins*, **2020**, 12,	4.9	3
281	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	11.5	29
280	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. *Biochemical Pharmacology*, **2020**, 181, 114080	6	4
279	Animal toxins - NatureS evolutionary-refined toolkit for basic research and drug discovery. *Biochemical Pharmacology*, **2020**, 181, 114096	6	43
278	Addition of K22 Converts Spider Venom Peptide Pme2a from an Activator to an Inhibitor of Na1.7. *Biomedicines*, **2020**, 8,	4.8	2
277	It Takes Two: Dimerization Is Essential for the Broad-Spectrum Predatory and Defensive Activities of the Venom Peptide Mp1a from the Jack Jumper Ant. *Biomedicines*, **2020**, 8,	4.8	5
276	A selective Na1.1 activator with potential for treatment of Dravet syndrome epilepsy. *Biochemical Pharmacology*, **2020**, 181, 113991	6	11
275	Fluorescence labeling of a Na1.7-targeted peptide for near-infrared nerve visualization. *EJNMMI Research*, **2020**, 10, 49	3.6	6
274	Venom-derived modulators of epilepsy-related ion channels. *Biochemical Pharmacology*, **2020**, 181, 114043	6	1
273	Crouching Tiger, Hidden Protein: Searching for Insecticidal Toxins in Venom of the Red Tiger Assassin Bug (). *Toxins*, **2020**, 13,	4.9	2
272	The unusual conformation of cross-strand disulfide bonds is critical to the stability of hairpin peptides. *Proteins: Structure, Function and Bioinformatics*, **2020**, 88, 485-502	4.2	5
271	Structural basis of the potency and selectivity of Urotoxin, a potent Kv1 blocker from scorpion venom. *Biochemical Pharmacology*, **2020**, 174, 113782	6	5
270	Weaponisation on the flyS Convergent recruitment of knottin and defensin peptide scaffolds into the venom of predatory assassin flies. *Insect Biochemistry and Molecular Biology*, **2020**, 118, 103310	4.5	7
269	Venom Peptides with Dual Modulatory Activity on the Voltage-Gated Sodium Channel Na1.1 Provide Novel Leads for Development of Antiepileptic Drugs. *ACS Pharmacology and Translational Science*, **2020**, 3, 119-134	5.9	9
268	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	8.3	7

267	Fifteen years of Na 1.7 channels as an analgesic target: Why has excellent in vitro pharmacology not translated into in vivo analgesic efficacy?. *British Journal of Pharmacology*, **2020**,	8.6	10
266	Australian funnel-web spiders evolved human-lethal δ-hexatoxins for defense against vertebrate predators. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 24920-24928	11.5	13
265	Deadly Proteomes: A Practical Guide to Proteotranscriptomics of Animal Venoms. *Proteomics*, **2020** , 20, e1900324	4.8	10
264	Heterodimeric Insecticidal Peptide Provides New Insights into the Molecular and Functional Diversity of Ant Venoms. *ACS Pharmacology and Translational Science*, **2020**, 3, 1211-1224	5.9	2
263	NMR structure and dynamics of inhibitory repeat domain variant 12, a plant protease inhibitor from , and its structural relationship to other plant protease inhibitors. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 1388-1397	3.6	2
262	Development of High-Throughput Fluorescent-Based Screens to Accelerate Discovery of P2X Inhibitors from Animal Venoms. *Journal of Natural Products*, **2019**, 82, 2559-2567	4.9	5
261	Sea Anemone Toxins: A Structural Overview. *Marine Drugs*, **2019**, 17,	6	22
260	Periplasmic Expression of 4/7 α-Conotoxin TxIA Analogs in Favors Ribbon Isomer Formation - Suggestion of a Binding Mode at the α7 nAChR. *Frontiers in Pharmacology*, **2019**, 10, 577	5.6	8
259	The antitrypanosomal diarylamidines, diminazene and pentamidine, show anthelmintic activity against Haemonchus contortus in vitro. *Veterinary Parasitology*, **2019**, 270, 40-46	2.8	7
258	Tying pest insects in knots: the deployment of spider-venom-derived knottins as bioinsecticides. *Pest Management Science*, **2019**, 75, 2437-2445	4.6	26
257	A process of convergent amplification and tissue-specific expression dominates the evolution of toxin and toxin-like genes in sea anemones. *Molecular Ecology*, **2019**, 28, 2272-2289	5.7	29
256	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	6	15
255	A Cell-Penetrating Scorpion Toxin Enables Mode-Specific Modulation of TRPA1 and Pain. *Cell*, **2019**, 178, 1362-1374.e16	56.2	44
254	Fluorescence Imaging of Peripheral Nerves by a Na1.7-Targeted Inhibitor Cystine Knot Peptide. *Bioconjugate Chemistry*, **2019**, 30, 2879-2888	6.3	10
253	Can we resolve the taxonomic bias in spider venom research?. *Toxicon: X*, **2019**, 1, 100005	2.6	10
252	Missiles of Mass Disruption: Composition and Glandular Origin of Venom Used as a Projectile Defensive Weapon by the Assassin Bug. *Toxins*, **2019**, 11,	4.9	9
251	A Versatile and Robust Serine Protease Inhibitor Scaffold from. *Marine Drugs*, **2019**, 17,	6	7
250	The assassin bug Pristhesancus plagipennis produces two distinct venoms in separate gland lumens. *Nature Communications*, **2018**, 9, 755	17.4	43

249	Harvesting Venom Toxins from Assassin Bugs and Other Heteropteran Insects. *Journal of Visualized Experiments*, **2018**,	1.6	8
248	Gomesin peptides prevent proliferation and lead to the cell death of devil facial tumour disease cells. *Cell Death Discovery*, **2018**, 4, 19	6.9	10
247	Giant fish-killing water bug reveals ancient and dynamic venom evolution in Heteroptera. *Cellular and Molecular Life Sciences*, **2018**, 75, 3215-3229	10.3	23
246	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	5.4	28
245	ArachnoServer 3.0: an online resource for automated discovery, analysis and annotation of spider toxins. *Bioinformatics*, **2018**, 34, 1074-1076	7.2	62
244	Selective Na1.1 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	11.5	75
243	Identification and Functional Characterization of Sugarcane Invertase Inhibitor (): A Potential Candidate for Reducing Pre- and Post-harvest Loss of Sucrose in Sugarcane. *Frontiers in Plant Science*, **2018**, 9, 598	6.2	14
242	Structural basis for the modulation of voltage-gated sodium channels by animal toxins. *Science*, **2018**, 362,	33.3	121
241	Gomesin inhibits melanoma growth by manipulating key signaling cascades that control cell death and proliferation. *Scientific Reports*, **2018**, 8, 11519	4.9	26
240	Novel venom-derived inhibitors of the human EAG channel, a putative antiepileptic drug target. *Biochemical Pharmacology*, **2018**, 158, 60-72	6	10
239	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	10.3	20
238	Dipteran toxicity assays for determining the oral insecticidal activity of venoms and toxins. *Toxicon*, **2018**, 150, 297-303	2.8	24
237	NaV1.1 inhibition can reduce visceral hypersensitivity. *JCI Insight*, **2018**, 3,	9.9	25
236	Inhibition of acid-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	8.6	24
235	Buzz Kill: Function and Proteomic Composition of Venom from the Giant Assassin Fly (Diptera: Asilidae). *Toxins*, **2018**, 10,	4.9	9
234	Entomo-venomics: The evolution, biology and biochemistry of insect venoms. *Toxicon*, **2018**, 154, 15-27	2.8	37
233	A comprehensive portrait of the venom of the giant red bull ant, , reveals a hyperdiverse hymenopteran toxin gene family. *Science Advances*, **2018**, 4, eaau4640	14.3	42
232	Evaluation of Chemical Strategies for Improving the Stability and Oral Toxicity of Insecticidal Peptides. *Biomedicines*, **2018**, 6,	4.8	3

231	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. *Bioconjugate Chemistry*, **2018**, 29, 3309-3319	6.3	13
230	Venoms to the rescue. *Science*, **2018**, 361, 842-844	33.3	43
229	Pharmacological characterisation of the highly Na1.7 selective spider venom peptide Pn3a. *Scientific Reports*, **2017**, 7, 40883	4.9	90
228	Melt With This Kiss: Paralyzing and Liquefying Venom of The Assassin Bug (Hemiptera: Reduviidae). *Molecular and Cellular Proteomics*, **2017**, 16, 552-566	7.6	35
227	A Strategy for Production of Correctly Folded Disulfide-Rich Peptides in the Periplasm of E. coli. *Methods in Molecular Biology*, **2017**, 1586, 155-180	1.4	14
226	Improved efficacy of an arthropod toxin expressing fungus against insecticide-resistant malaria-vector mosquitoes. *Scientific Reports*, **2017**, 7, 3433	4.9	22
225	Modulatory features of the novel spider toxin ΗTRTX-Df1a isolated from the venom of the spider Davus fasciatus. *British Journal of Pharmacology*, **2017**, 174, 2528-2544	8.6	37
224	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	11.5	112
223	Discovery and mode of action of a novel analgesic Ktoxin from the African spider Ceratogyrus darlingi. *PLoS ONE*, **2017**, 12, e0182848	3.7	14
222	Venom peptides as therapeutics: advances, challenges and the future of venom-peptide discovery. *Expert Review of Proteomics*, **2017**, 14, 931-939	4.2	60
221	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	3.9	45
220	The Use of Imaging Mass Spectrometry to Study Peptide Toxin Distribution in Australian Sea Anemones. *Australian Journal of Chemistry*, **2017**, 70, 1235	1.2	14
219	Venom Profiling of a Population of the Theraphosid Spider Phlogius crassipes Reveals Continuous Ontogenetic Changes from Juveniles through Adulthood. *Toxins*, **2017**, 9,	4.9	14
218	Insect-Active Toxins with Promiscuous Pharmacology from the African Theraphosid Spider Monocentropus balfouri. *Toxins*, **2017**, 9,	4.9	3
217	The structure, dynamics and selectivity profile of a NaV1.7 potency-optimised huwentoxin-IV variant. *PLoS ONE*, **2017**, 12, e0173551	3.7	28
216	Centipede venoms as a source of drug leads. *Expert Opinion on Drug Discovery*, **2016**, 11, 1139-1149	6.2	21
215	Determination of ligand binding modes in weak protein-ligand complexes using sparse NMR data. *Journal of Biomolecular NMR*, **2016**, 66, 195-208	3	16
214	Isolation of two insecticidal toxins from venom of the Australian theraphosid spider Coremiocnemis tropix. *Toxicon*, **2016**, 123, 62-70	2.8	9

213	Molecular basis of the interaction between gating modifier spider toxins and the voltage sensor of voltage-gated ion channels. *Scientific Reports*, **2016**, 6, 34333	4.9	36
212	Selective spider toxins reveal a role for the Nav1.1 channel in mechanical pain. *Nature*, **2016**, 534, 494-9	50.4	190
211	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, 17049-65	5.4	52
210	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, 127-38	6.1	6
209	Selective inhibition of ASIC1a confers functional and morphological neuroprotection following traumatic spinal cord injury. *F1000Research*, **2016**, 5, 1822	3.6	11
208	Selective inhibition of ASIC1a confers functional and morphological neuroprotection following traumatic spinal cord injury. *F1000Research*, **2016**, 5, 1822	3.6	9
207	Venoms of Heteropteran Insects: A Treasure Trove of Diverse Pharmacological Toolkits. *Toxins*, **2016**, 8, 43	4.9	38
206	Characterization of Three Venom Peptides from the Spitting Spider Scytodes thoracica. *PLoS ONE*, **2016**, 11, e0156291	3.7	4
205	Toxin structures as evolutionary tools: Using conserved 3D folds to study the evolution of rapidly evolving peptides. *BioEssays*, **2016**, 38, 539-48	4.1	54
204	Molecular basis of the remarkable species selectivity of an insecticidal sodium channel toxin from the African spider Augacephalus ezendami. *Scientific Reports*, **2016**, 6, 29538	4.9	16
203	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, 872-82	3.8	20
202	Isolation and characterization of a structurally unique hairpin venom peptide from the predatory ant Anochetus emarginatus. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 2553-2562	4	15
201	Seven novel modulators of the analgesic target NaV 1.7 uncovered using a high-throughput venom-based discovery approach. *British Journal of Pharmacology*, **2015**, 172, 2445-58	8.6	67
200	Centipede venom: recent discoveries and current state of knowledge. *Toxins*, **2015**, 7, 679-704	4.9	66
199	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, 4026-31	11.5	42
198	Widespread convergence in toxin resistance by predictable molecular evolution. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 11911-6	11.5	94
197	PcTx1 affords neuroprotection in a conscious model of stroke in hypertensive rats via selective inhibition of ASIC1a. *Neuropharmacology*, **2015**, 99, 650-7	5.5	36
196	Mutations in the voltage-gated potassium channel gene KCNH1 cause Temple-Baraitser syndrome and epilepsy. *Nature Genetics*, **2015**, 47, 73-7	36.3	91

195	Xenopus borealis as an alternative source of oocytes for biophysical and pharmacological studies of neuronal ion channels. *Scientific Reports*, **2015**, 5, 14763	4.9	11
194	Molecular dynamics and functional studies define a hot spot of crystal contacts essential for PcTx1 inhibition of acid-sensing ion channel 1a. *British Journal of Pharmacology*, **2015**, 172, 4985-95	8.6	29
193	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, 2494-513	4.9	25
192	The Cystine Knot Is Responsible for the Exceptional Stability of the Insecticidal Spider Toxin Hexatoxin-Hv1a. *Toxins*, **2015**, 7, 4366-80	4.9	68
191	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, 387-91	0.7	1
190	Identification and Characterization of ProTx-III [TRTX-Tp1a], a New Voltage-Gated Sodium Channel Inhibitor from Venom of the Tarantula Thrixopelma pruriens. *Molecular Pharmacology*, **2015**, 88, 291-303	4.3	60
189	Weaponization of a Hormone: Convergent Recruitment of Hyperglycemic Hormone into the Venom of Arthropod Predators. *Structure*, **2015**, 23, 1283-92	5.2	47
188	RNA polymerase-induced remodelling of NusA produces a pause enhancement complex. *Nucleic Acids Research*, **2015**, 43, 2829-40	20.1	23
187	From foe to friend: using animal toxins to investigate ion channel function. *Journal of Molecular Biology*, **2015**, 427, 158-175	6.5	114
186	CHAPTER 2:The Structural Universe of Disulfide-Rich Venom Peptides. *RSC Drug Discovery Series*, **2015**, 37-79	0.6	10
185	CHAPTER 3:Venoms-Based Drug Discovery: Proteomic and Transcriptomic Approaches. *RSC Drug Discovery Series*, **2015**, 80-96	0.6	5
184	Chapter 8:Therapeutic Applications of Spider-Venom Peptides. *RSC Drug Discovery Series*, **2015**, 221-244	0.6	7
183	The insecticidal spider toxin SFI1 is a knottin peptide that blocks the pore of insect voltage-gated sodium channels via a large hairpin loop. *FEBS Journal*, **2015**, 282, 904-20	5.7	23
182	Construction of a hypervirulent and specific mycoinsecticide for locust control. *Scientific Reports*, **2014**, 4, 7345	4.9	33
181	Toxin delivery by the coat protein of an aphid-vectored plant virus provides plant resistance to aphids. *Nature Biotechnology*, **2014**, 32, 102-5	44.5	52
180	Chemical synthesis, 3D structure, and ASIC binding site of the toxin mambalgin-2. *Angewandte Chemie - International Edition*, **2014**, 53, 1017-20	16.4	56
179	Functional implications of large backbone amplitude motions of the glycoprotein 130-binding epitope of interleukin-6. *FEBS Journal*, **2014**, 281, 2471-83	5.7	5
178	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, 9195-203	8.3	33

177	Clawing through evolution: toxin diversification and convergence in the ancient lineage Chilopoda (centipedes). *Molecular Biology and Evolution*, **2014**, 31, 2124-48	8.3	69
176	No gain, no pain: NaV1.7 as an analgesic target. *ACS Chemical Neuroscience*, **2014**, 5, 749-51	5.7	59
175	CHAPTER 12:Does Nature do Ion Channel Drug Discovery Better than Us?. *RSC Drug Discovery Series* , **2014**, 297-319	0.6	1
174	A tarantula-venom peptide antagonizes the TRPA1 nociceptor ion channel by binding to the S1-S4 gating domain. *Current Biology*, **2014**, 24, 473-83	6.3	50
173	A distinct sodium channel voltage-sensor locus determines insect selectivity of the spider toxin Dc1a. *Nature Communications*, **2014**, 5, 4350	17.4	51
172	Diversification of a single ancestral gene into a successful toxin superfamily in highly venomous Australian funnel-web spiders. *BMC Genomics*, **2014**, 15, 177	4.5	39
171	Isolation, synthesis and characterization of ΔTRTX-Cc1a, a novel tarantula venom peptide that selectively targets L-type Cav channels. *Biochemical Pharmacology*, **2014**, 89, 276-86	6	13
170	Chemical Synthesis, 3D Structure, and ASIC Binding Site of the Toxin Mambalgin-2. *Angewandte Chemie*, **2014**, 126, 1035-1038	3.6	1
169	Spider venomics: implications for drug discovery. *Future Medicinal Chemistry*, **2014**, 6, 1699-714	4.1	68
168	Selenoether oxytocin analogues have analgesic properties in a mouse model of chronic abdominal pain. *Nature Communications*, **2014**, 5, 3165	17.4	95
167	Methods for Deployment of Spider Venom Peptides as Bioinsecticides. *Advances in Insect Physiology*, **2014**, 389-411	2.5	10
166	Multifunctional warheads: diversification of the toxin arsenal of centipedes via novel multidomain transcripts. *Journal of Proteomics*, **2014**, 102, 1-10	3.9	29
165	Intraspecific venom variation in the medically significant Southern Pacific Rattlesnake (Crotalus oreganus helleri): biodiscovery, clinical and evolutionary implications. *Journal of Proteomics*, **2014**, 99, 68-83	3.9	96
164	Molecular phylogeny and evolution of the proteins encoded by coleoid (cuttlefish, octopus, and squid) posterior venom glands. *Journal of Molecular Evolution*, **2013**, 76, 192-204	3.1	52
163	From kinetics to imaging: an NMR odyssey--a festschrift symposium in honour of Philip William Kuchel. *European Biophysics Journal*, **2013**, 42, 1-2	1.9	2
162	Functional characterization on invertebrate and vertebrate tissues of tachykinin peptides from octopus venoms. *Peptides*, **2013**, 47, 71-6	3.8	14
161	Spider-venom peptides: structure, pharmacology, and potential for control of insect pests. *Annual Review of Entomology*, **2013**, 58, 475-96	21.8	267
160	The insecticidal neurotoxin Aps III is an atypical knottin peptide that potently blocks insect voltage-gated sodium channels. *Biochemical Pharmacology*, **2013**, 85, 1542-54	6	28

159	Unravelling the complex venom landscapes of lethal Australian funnel-web spiders (Hexathelidae: Atracinae) using LC-MALDI-TOF mass spectrometry. *Journal of Proteomics*, **2013**, 80, 292-310	3.9	51
158	The Neurotoxic Mode of Action of Venoms from the Spider Family Theraphosidae **2013**, 203-215		2
157	The venom optimization hypothesis revisited. *Toxicon*, **2013**, 63, 120-8	2.8	115
156	The insecticidal potential of venom peptides. *Cellular and Molecular Life Sciences*, **2013**, 70, 3665-93	10.3	77
155	Dracula's children: molecular evolution of vampire bat venom. *Journal of Proteomics*, **2013**, 89, 95-111	3.9	50
154	Aphicidal efficacy of scorpion- and spider-derived neurotoxins. *Toxicon*, **2013**, 70, 114-22	2.8	15
153	Natural Born Insect Killers: Spider-venom Peptides and Their Potential for Managing Arthropod Pests. *Outlooks on Pest Management*, **2013**, 24, 16-19	1.7	4
152	Differential evolution and neofunctionalization of snake venom metalloprotease domains. *Molecular and Cellular Proteomics*, **2013**, 12, 651-63	7.6	65
151	A proteomics and transcriptomics investigation of the venom from the barychelid spider Trittame loki (brush-foot trapdoor). *Toxins*, **2013**, 5, 2488-503	4.9	48
150	Squeezers and leaf-cutters: differential diversification and degeneration of the venom system in toxicoferan reptiles. *Molecular and Cellular Proteomics*, **2013**, 12, 1881-99	7.6	39
149	Do vicinal disulfide bridges mediate functionally important redox transformations in proteins?. *Antioxidants and Redox Signaling*, **2013**, 19, 1976-80	8.4	14
148	Discovery of a selective NaV1.7 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, 17534-9	11.5	141
147	Role of the PAS sensor domains in the Bacillus subtilis sporulation kinase KinA. *Journal of Bacteriology*, **2013**, 195, 2349-58	3.5	10
146	Production of recombinant disulfide-rich venom peptides for structural and functional analysis via expression in the periplasm of E. coli. *PLoS ONE*, **2013**, 8, e63865	3.7	114
145	SVM-based prediction of propeptide cleavage sites in spider toxins identifies toxin innovation in an Australian tarantula. *PLoS ONE*, **2013**, 8, e66279	3.7	24
144	Isolation of an orally active insecticidal toxin from the venom of an Australian tarantula. *PLoS ONE*, **2013**, 8, e73136	3.7	44
143	Molecular evolution of vertebrate neurotrophins: co-option of the highly conserved nerve growth factor gene into the advanced snake venom arsenalf. *PLoS ONE*, **2013**, 8, e81827	3.7	37
142	Cloning and activity of a novel latrotoxin from red-back spider venom. *Biochemical Pharmacology*, **2012**, 83, 170-83	6	35

141	284. The Bio-Logic of Venom Complexity. *Toxicon*, **2012**, 60, 241-242	2.8	4
140	Spider-venom peptides that target voltage-gated sodium channels: pharmacological tools and potential therapeutic leads. *Toxicon*, **2012**, 60, 478-91	2.8	179
139	Development of a rational nomenclature for naming peptide and protein toxins from sea anemones. *Toxicon*, **2012**, 60, 539-50	2.8	50
138	Chemical punch packed in venoms makes centipedes excellent predators. *Molecular and Cellular Proteomics*, **2012**, 11, 640-50	7.6	89
137	Insulin-like growth factor binding protein-2: NMR analysis and structural characterization of the N-terminal domain. *Biochimie*, **2012**, 94, 608-16	4.6	12
136	Cyclization of Peptides by using Selenolanthionine Bridges. *Angewandte Chemie*, **2012**, 124, 10444-10448	3.6	17
135	Cyclization of peptides by using selenolanthionine bridges. *Angewandte Chemie - International Edition*, **2012**, 51, 10298-302	16.4	43
134	The lethal toxin from Australian funnel-web spiders is encoded by an intronless gene. *PLoS ONE*, **2012**, 7, e43699	3.7	17
133	Spider-venom peptides as bioinsecticides. *Toxins*, **2012**, 4, 191-227	4.9	137
132	Structural and molecular diversification of the Anguimorpha lizard mandibular venom gland system in the arboreal species Abronia graminea. *Journal of Molecular Evolution*, **2012**, 75, 168-83	3.1	16
131	Fusion to snowdrop lectin magnifies the oral activity of insecticidal Hexatoxin-Hv1a peptide by enabling its delivery to the central nervous system. *PLoS ONE*, **2012**, 7, e39389	3.7	44
130	Cyclisation increases the stability of the sea anemone peptide APETx2 but decreases its activity at acid-sensing ion channel 3. *Marine Drugs*, **2012**, 10, 1511-27	6	19
129	Functional expression in Escherichia coli of the disulfide-rich sea anemone peptide APETx2, a potent blocker of acid-sensing ion channel 3. *Marine Drugs*, **2012**, 10, 1605-18	6	27
128	Proteomics and deep sequencing comparison of seasonally active venom glands in the platypus reveals novel venom peptides and distinct expression profiles. *Molecular and Cellular Proteomics*, **2012**, 11, 1354-64	7.6	35
127	Localization of Nav 1.7 in the normal and injured rodent olfactory system indicates a critical role in olfaction, pheromone sensing and immune function. *Channels*, **2012**, 6, 103-10	3	14
126	Recombinant expression of margatoxin and agitoxin-2 in Pichia pastoris: an efficient method for production of KV1.3 channel blockers. *PLoS ONE*, **2012**, 7, e52965	3.7	18
125	On the venom system of centipedes (Chilopoda), a neglected group of venomous animals. *Toxicon*, **2011**, 57, 512-24	2.8	90
124	The tale of a resting gland: transcriptome of a replete venom gland from the scorpion Hottentotta judaicus. *Toxicon*, **2011**, 57, 695-703	2.8	76

123	ArachnoServer 2.0, an updated online resource for spider toxin sequences and structures. *Nucleic Acids Research*, **2011**, 39, D653-7	20.1	147
122	A dynamic pharmacophore drives the interaction between Psalmotoxin-1 and the putative drug target acid-sensing ion channel 1a. *Molecular Pharmacology*, **2011**, 80, 796-808	4.3	78
121	Venoms as a platform for human drugs: translating toxins into therapeutics. *Expert Opinion on Biological Therapy*, **2011**, 11, 1469-84	5.4	366
120	The N-terminal tail of hERG contains an amphipathic helix that regulates channel deactivation. *PLoS ONE*, **2011**, 6, e16191	3.7	72
119	Macromolecular NMR spectroscopy for the non-spectroscopist. *FEBS Journal*, **2011**, 278, 687-703	5.7	116
118	Macromolecular NMR spectroscopy for the non-spectroscopist: beyond macromolecular solution structure determination. *FEBS Journal*, **2011**, 278, 704-15	5.7	43
117	Venomics: a new paradigm for natural products-based drug discovery. *Amino Acids*, **2011**, 40, 15-28	3.5	152
116	Site-Specific pKa Determination of Selenocysteine Residues in Selenovasopressin by Using 77Se NMR Spectroscopy. *Angewandte Chemie*, **2011**, 123, 12158-12161	3.6	5
115	Site-specific pK(a) determination of selenocysteine residues in selenovasopressin by using 77Se NMR spectroscopy. *Angewandte Chemie - International Edition*, **2011**, 50, 11952-5	16.4	34
114	Phox homology band 4.1/ezrin/radixin/moesin-like proteins function as molecular scaffolds that interact with cargo receptors and Ras GTPases. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 7763-8	11.5	83
113	Unique scorpion toxin with a putative ancestral fold provides insight into evolution of the inhibitor cystine knot motif. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 10478-83	11.5	82
112	The structural basis for autonomous dimerization of the pre-T-cell antigen receptor. *Nature*, **2010**, 467, 844-8	50.4	55
111	Evidence from artificial septal targeting and site-directed mutagenesis that residues in the extracytoplasmic domain of DivIB mediate its interaction with the divisomal transpeptidase PBP 2B. *Journal of Bacteriology*, **2010**, 192, 6116-25	3.5	11
110	NMR methods for determining disulfide-bond connectivities. *Toxicon*, **2010**, 56, 849-54	2.8	49
109	Derivation of Peptide and Protein Structure using NMR Spectroscopy **2010**, 279-325		5
108	Spider-venom peptides as therapeutics. *Toxins*, **2010**, 2, 2851-71	4.9	212
107	Tandem use of selective insecticides and natural enemies for effective, reduced-risk pest management. *Biological Control*, **2010**, 52, 208-215	3.8	111
106	Chemical synthesis and structure of the prokineticin Bv8. *ChemBioChem*, **2010**, 11, 1882-8	3.8	18

105	A non-uniformly sampled 4D HCC(CO)NH-TOCSY experiment processed using maximum entropy for rapid protein sidechain assignment. *Journal of Magnetic Resonance*, **2010**, 204, 160-4	3	51
104	Derivation of Peptide and Protein Structure using NMR Spectroscopy **2010**, 14-49		
103	ArachnoServer: a database of protein toxins from spiders. *BMC Genomics*, **2009**, 10, 375	4.5	52
102	Direct visualization of disulfide bonds through diselenide proxies using 77Se NMR spectroscopy. *Angewandte Chemie - International Edition*, **2009**, 48, 9312-4	16.4	58
101	Structure of the sporulation histidine kinase inhibitor Sda from Bacillus subtilis and insights into its solution state. *Acta Crystallographica Section D: Biological Crystallography*, **2009**, 65, 574-81		9
100	The toxicogenomic multiverse: convergent recruitment of proteins into animal venoms. *Annual Review of Genomics and Human Genetics*, **2009**, 10, 483-511	9.7	549
99	Comparison of the peptidome and insecticidal activity of venom from a taxonomically diverse group of theraphosid spiders. *Toxicon*, **2009**, 53, 496-502	2.8	19
98	Chemical synthesis and folding of APETx2, a potent and selective inhibitor of acid sensing ion channel 3. *Toxicon*, **2009**, 54, 56-61	2.8	36
97	The divisomal protein DivIB contains multiple epitopes that mediate its recruitment to incipient division sites. *Molecular Microbiology*, **2008**, 67, 1143-55	4.1	11
96	A rational nomenclature for naming peptide toxins from spiders and other venomous animals. *Toxicon*, **2008**, 52, 264-76	2.8	221
95	Artificial septal targeting of Bacillus subtilis cell division proteins in Escherichia coli: an interspecies approach to the study of protein-protein interactions in multiprotein complexes. *Journal of Bacteriology*, **2008**, 190, 6048-59	3.5	17
94	Peptide toxins that selectively target insect Na(V) and Ca(V) channels. *Channels*, **2008**, 2, 100-16	3	85
93	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. *FEBS Journal*, **2008**, 275, 1427-1449	5.7	10
92	The Janus-faced atracotoxins are specific blockers of invertebrate K(Ca) channels. *FEBS Journal*, **2008**, 275, 4045-59	5.7	34
91	The omega-atracotoxins: selective blockers of insect M-LVA and HVA calcium channels. *Biochemical Pharmacology*, **2007**, 74, 623-38	6	55
90	Histidine kinases as antimicrobial targets: prospects and pitfalls. *Mini-Reviews in Medicinal Chemistry*, **2007**, 7, 1144-54	3.2	5
89	Modulation of insect Ca(v) channels by peptidic spider toxins. *Toxicon*, **2007**, 49, 513-30	2.8	71
88	A model genetic system for testing the in vivo function of peptide toxins. *Peptides*, **2007**, 28, 51-6	3.8	11

87	The structure of the KinA-Sda complex suggests an allosteric mechanism of histidine kinase inhibition. *Journal of Molecular Biology*, **2007**, 368, 407-20	6.5	59
86	Domain architecture and structure of the bacterial cell division protein DivIB. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 6700-5	11.5	31
85	Regulation of RhoGEF activity by intramolecular and intermolecular SH3 domain interactions. *Journal of Biological Chemistry*, **2006**, 281, 18774-86	5.4	38
84	Mapping the phosphoinositide-binding site on chick cofilin explains how PIP2 regulates the cofilin-actin interaction. *Molecular Cell*, **2006**, 24, 511-22	17.6	76
83	Orally active acaricidal peptide toxins from spider venom. *Toxicon*, **2006**, 47, 182-7	2.8	40
82	Venom landscapes: mining the complexity of spider venoms via a combined cDNA and mass spectrometric approach. *Toxicon*, **2006**, 47, 650-63	2.8	168
81	Were arachnids the first to use combinatorial peptide libraries?. *Peptides*, **2005**, 26, 131-9	3.8	177
80	Backbone and side-chain 1H, 15N, and 13C assignments for the beta domain of the bacterial cell division protein DivIB. *Journal of Biomolecular NMR*, **2005**, 31, 261-2	3	4
79	Backbone and side-chain 1H, 15N and 13C assignments for the cis conformer of the beta domain of the bacterial cell division protein DivIB. *Journal of Biomolecular NMR*, **2005**, 33, 135	3	1
78	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. *Molecular Microbiology*, **2004**, 54, 99-108	4.1	50
77	Scanning mutagenesis of omega-atracotoxin-Hv1a reveals a spatially restricted epitope that confers selective activity against insect calcium channels. *Journal of Biological Chemistry*, **2004**, 279, 44133-40	5.4	58
76	Australian funnel-web spiders: master insecticide chemists. *Toxicon*, **2004**, 43, 601-18	2.8	112
75	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 Naja kaouthia. *Archives of Biochemistry and Biophysics*, **2004**, 425, 1-13	4.1	49
74	Structure and mechanism of action of Sda, an inhibitor of the histidine kinases that regulate initiation of sporulation in Bacillus subtilis. *Molecular Cell*, **2004**, 13, 689-701	17.6	97
73	The MinD membrane targeting sequence is a transplantable lipid-binding helix. *Journal of Biological Chemistry*, **2003**, 278, 40050-6	5.4	128
72	Mapping the MinE site involved in interaction with the MinD division site selection protein of Escherichia coli. *Journal of Bacteriology*, **2003**, 185, 4948-55	3.5	52
71	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. *Molecular Microbiology*, **2002**, 44, 663-74	4.1	37
70	Backbone and side-chain 1H, 15N, and 13C assignments for chick cofilin. *Journal of Biomolecular NMR*, **2002**, 22, 193-4	3	2

69	Role of interfacial hydrophobic residues in the stabilization of the leucine zipper structures of the transcription factors c-Fos and c-Jun. *Journal of Biological Chemistry*, **2002**, 277, 23-31	5.4	31
68	Membrane localization of MinD is mediated by a C-terminal motif that is conserved across eubacteria, archaea, and chloroplasts. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 15693-8	11.5	195
67	Scanning mutagenesis of a Janus-faced atracotoxin reveals a bipartite surface patch that is essential for neurotoxic function. *Journal of Biological Chemistry*, **2002**, 277, 22806-13	5.4	54
66	Division site placement in E.coli: mutations that prevent formation of the MinE ring lead to loss of the normal midcell arrest of growth of polar MinD membrane domains. *EMBO Journal*, **2002**, 21, 3347-57	13	95
65	STRUCTURE AND FUNCTION OF INSECTICIDAL NEUROTOXINS FROM AUSTRALIAN FUNNEL-WEB SPIDERS. *Toxin Reviews*, **2002**, 21, 361-389		49
64	Role of the structurally disordered N- and C-terminal residues in the Janus-faced atracotoxins. *Toxicon*, **2002**, 40, 1355-61	2.8	19
63	The dimerization function of MinC resides in a structurally autonomous C-terminal domain. *Journal of Bacteriology*, **2001**, 183, 6684-7	3.5	27
62	Discovery and structure of a potent and highly specific blocker of insect calcium channels. *Journal of Biological Chemistry*, **2001**, 276, 40306-12	5.4	73
61	Polar explorers: membrane proteins that determine division site placement. *Cell*, **2001**, 106, 13-6	56.2	51
60	Functional significance of the beta hairpin in the insecticidal neurotoxin omega-atracotoxin-Hv1a. *Journal of Biological Chemistry*, **2001**, 276, 26568-76	5.4	63
59	Structural basis for the topological specificity function of MinE. *Nature Structural Biology*, **2000**, 7, 1013-7		65
58	Isolation of a funnel-web spider polypeptide with homology to mamba intestinal toxin 1 and the embryonic head inducer Dickkopf-1. *Toxicon*, **2000**, 38, 429-42	2.8	43
57	Isolation and pharmacological characterisation of delta-atracotoxin-Hv1b, a vertebrate-selective sodium channel toxin. *FEBS Letters*, **2000**, 470, 293-9	3.8	53
56	Discovery and characterization of a family of insecticidal neurotoxins with a rare vicinal disulfide bridge. *Nature Structural Biology*, **2000**, 7, 505-13		172
55	Structure-function studies of omega-atracotoxin, a potent antagonist of insect voltage-gated calcium channels. *FEBS Journal*, **1999**, 264, 488-94		72
54	High-resolution solution structure of gurmarin, a sweet-taste-suppressing plant polypeptide. *FEBS Journal*, **1999**, 264, 525-33		26
53	The dimerization and topological specificity functions of MinE reside in a structurally autonomous C-terminal domain. *Molecular Microbiology*, **1999**, 31, 1161-9	4.1	34
52	Spider toxins: A new group of potassium channel modulators. *Journal of Computer - Aided Molecular Design*, **1999**, 15/16, 61-69		

51	The solution structure of the N-terminal zinc finger of GATA-1 reveals a specific binding face for the transcriptional co-factor FOG. *Journal of Biomolecular NMR*, **1999**, 13, 249-62	3	44
50	Backbone and side-chain 1H, 15N, and 13C assignments for the topological specificity domain of the MinE cell division protein. *Journal of Biomolecular NMR*, **1999**, 13, 395-6	3	1
49	Controlling leucine zipper specificity with interfacial hydrophobic residues. *International Journal of Peptide Research and Therapeutics*, **1999**, 6, 381-390		
48	Controlling leucine zipper specificity with interfacial hydrophobic residues. *International Journal of Peptide Research and Therapeutics*, **1999**, 6, 381-390		3
47	Site-directed mutants of RTP of Bacillus subtilis and the mechanism of replication fork arrest. *Journal of Molecular Biology*, **1999**, 286, 1325-35	6.5	24
46	Solution structure of a defensin-like peptide from platypus venom. *Biochemical Journal*, **1999**, 341, 785-794	3.8	52
45	Solution structure of a defensin-like peptide from platypus venom. *Biochemical Journal*, **1999**, 341, 785	3.8	24
44	Spectroscopic identification of a dinuclear metal centre in manganese(II)-activated aminopeptidase P from Escherichia coli: implications for human prolidase. *Journal of Biological Inorganic Chemistry*, **1998**, 3, 470-483	3.7	35
43	The relationship between hetero-oligomer formation and function of the topological specificity domain of the Escherichia coli MinE protein. *Molecular Microbiology*, **1998**, 30, 265-73	4.1	39
42	Key residues characteristic of GATA N-fingers are recognized by FOG. *Journal of Biological Chemistry*, **1998**, 273, 33595-603	5.4	72
41	Involvement of the N-finger in the self-association of GATA-1. *Journal of Biological Chemistry*, **1998**, 273, 30560-7	5.4	43
40	Reorganization of terminator DNA upon binding replication terminator protein: implications for the functional replication fork arrest complex. *Nucleic Acids Research*, **1997**, 25, 590-6	20.1	16
39	The generation of 1H-NMR-detectable mobile lipid in stimulated lymphocytes: relationship to cellular activation, the cell cycle, and phosphatidylcholine-specific phospholipase C. *Biochemical and Biophysical Research Communications*, **1997**, 239, 868-74	3.4	28
38	Zipping up transcription factors: Rational design of anti-Jun and anti-Fos peptides. *International Journal of Peptide Research and Therapeutics*, **1997**, 4, 67-77		3
37	The structure of a novel insecticidal neurotoxin, omega-atracotoxin-HV1, from the venom of an Australian funnel web spider. *Nature Structural Biology*, **1997**, 4, 559-66		149
36	A tale of two terminators: crystal structures sharpen the debate on DNA replication fork arrest mechanisms. *Structure*, **1997**, 5, 1-5	5.2	23
35	The structure of versutoxin (delta-atracotoxin-Hv1) provides insights into the binding of site 3 neurotoxins to the voltage-gated sodium channel. *Structure*, **1997**, 5, 1525-35	5.2	108
34	Zipping up transcription factors: Rational design of anti-Jun and anti-Fos peptides. *International Journal of Peptide Research and Therapeutics*, **1997**, 4, 67-77		5

33	Measuring macromolecular diffusion using heteronuclear multiple-quantum pulsed-field-gradient NMR. *Journal of Biomolecular NMR*, **1997**, 10, 1-8	3	20
32	Backbone dynamics of the c-Jun leucine zipper: 15N NMR relaxation studies. *Biochemistry*, **1996**, 35, 4867-77	3.2	50
31	Development of a sensitive peptide-based immunoassay: application to detection of the Jun and Fos oncoproteins. *Biochemistry*, **1996**, 35, 9069-75	3.2	30
30	The Bacillus subtilis DNA replication terminator. *Journal of Molecular Biology*, **1996**, 260, 54-69	6.5	20
29	1H-NMR visible neutral lipids in activated T lymphocytes: relationship to phosphatidylcholine cycling. *Lipids and Lipid Metabolism*, **1996**, 1303, 215-21		14
28	High resolution NMR solution structure of the leucine zipper domain of the c-Jun homodimer. *Journal of Biological Chemistry*, **1996**, 271, 13663-7	5.4	85
27	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. *Journal of Biomolecular NMR*, **1996**, 8, 193-206	3	34
26	Nuclear magnetic resonance characterization of the Jun leucine zipper domain: unusual properties of coiled-coil interfacial polar residues. *Biochemistry*, **1995**, 34, 6164-74	3.2	69
25	Structural and biochemical studies of human galanin: NMR evidence for nascent helical structures in aqueous solution. *Biochemistry*, **1995**, 34, 4538-45	3.2	27
24	Cloning, expression, and spectroscopic studies of the Jun leucine zipper domain. *FEBS Journal*, **1994**, 219, 877-86		12
23	Two-dimensional 1H NMR studies of membrane changes during the activation of primary T lymphocytes. *ImmunoMethods*, **1994**, 4, 127-38		16
22	Theoretical and practical aspects of NMR studies of cells. *ImmunoMethods*, **1994**, 4, 85-97		10
21	NMR methods for measuring membrane transport. *Sub-Cellular Biochemistry*, **1994**, 23, 247-327	5.5	7
20	Symmetry and secondary structure of the replication terminator protein of Bacillus subtilis: sedimentation equilibrium and circular dichroic, infrared, and NMR spectroscopic studies. *Biochemistry*, **1993**, 32, 10216-23	3.2	19
19	Determination of the structure of symmetric coiled-coil proteins from NMR data: application of the leucine zipper proteins Jun and GCN4. *Protein Engineering, Design and Selection*, **1993**, 6, 557-64	1.9	21
18	The solution structure of the leucine zipper motif of the Jun oncoprotein homodimer. *FEBS Journal*, **1993**, 214, 415-24		14
17	Solution structure of endothelin-3 determined using NMR spectroscopy. *Biochemistry*, **1992**, 31, 5640-5	3.2	42
16	An NMR investigation of the changes in plasma membrane triglyceride and phospholipid precursors during the activation of T-lymphocytes. *Biochemistry*, **1992**, 31, 9098-106	3.2	28

15	Determination of the solution structure of a platelet-adhesion peptide of von Willebrand factor. *Biochemistry*, **1992**, 31, 11152-8	3.2	12
14	Conformation of sarafotoxin-6b in aqueous solution determined by NMR spectroscopy and distance geometry. *FEBS Letters*, **1991**, 282, 247-52	3.8	31
13	Inhibition and active-site modelling of prolidase. *FEBS Journal*, **1989**, 180, 377-84		28
12	High resolution 1H NMR study of the solution structure of the S4 segment of the sodium channel protein. *FEBS Letters*, **1989**, 257, 113-7	3.8	37
11	The role of auxiliary oxidants in maintaining redox balance during phototrophic growth of Rhodobacter capsulatus on propionate or butyrate. *Archives of Microbiology*, **1988**, 150, 131-137	3	90
10	A nuclear magnetic resonance study of alamethicin-, □haemolysin-, and melittin-induced sodium leakage from large unilamellar vesicles. *Biochemical Society Transactions*, **1988**, 16, 594-595	5.1	3
9	Measurement of peptide transport using proton nuclear magnetic resonance spectroscopy. *Biochemical Society Transactions*, **1988**, 16, 635-636	5.1	2
8	Dimethylsulphoxide and trimethylamine-N-oxide as bacterial electron transport acceptors: use of nuclear magnetic resonance to assay and characterise the reductase system in Rhodobacter capsulatus. *Archives of Microbiology*, **1987**, 149, 47-51	3	18
7	No evidence for bradykinin hydrolysis in human erythrocyte suspensions: 1H NMR studies. *American Journal of Hematology*, **1987**, 25, 183-9	7.1	3
6	Direct NMR evidence that prolidase is specific for the trans isomer of imidodipeptide substrates. *Biochemistry*, **1986**, 25, 1054-62	3.2	36
5	The assimilation of tri- and tetrapeptides by human erythrocytes. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1985**, 846, 127-34	4.9	15
4	Enkephalin degradation by human erythrocytes and hemolysates studied using 1H NMR spectroscopy. *Archives of Biochemistry and Biophysics*, **1985**, 242, 515-22	4.1	7
3	Studies of rat brain metabolism using proton nuclear magnetic resonance: spectral assignments and monitoring of prolidase, acetylcholinesterase, and glutaminase. *Journal of Neurochemistry*, **1984**, 43, 1561-7	6	22
2	Proton NMR spectroscopic studies of dipeptidase in human erythrocytes. *Biochemical and Biophysical Research Communications*, **1983**, 110, 305-12	3.4	28
1	Acid sensing ion channel 1a is a key mediator of cardiac ischemia-reperfusion injury		1