Steve Peigneur

List of Publications by Year
in descending order

183 papers	3,658 citations	168829 31 h-index	242451 47 g-index
195 all docs	195 docs citations	195 times ranked	3230 citing authors

#	Article	IF	Citations
1	Overcoming challenges of HERG potassium channel liability through rational design: Eag1 inhibitors for cancer treatment. Medicinal Research Reviews, 2022, 42, 183-226.	5.0	19
2	Synthetic polypeptide crotamine: characterization as a myotoxin and as a target of combinatorial peptides. Journal of Molecular Medicine, 2022, 100, 65-76.	1.7	3
3	In Silico and In Vitro Structureâ€“Activity Relationship of Mastoparan and Its Analogs. Molecules, 2022, 27, 561.	1.7	7
4	Review: HCN Channels in the Heart. Current Cardiology Reviews, 2022, 18, .	0.6	5
5	AsKC11, a Kunitz Peptide from Anemonia sulcata, Is a Novel Activator of G Protein-Coupled Inward-Rectifier Potassium Channels. Marine Drugs, 2022, 20, 140.	2.2	6
6	A Tale of Toxin Promiscuity: The Versatile Pharmacological Effects of Hcr 1b-2 Sea Anemone Peptide on Voltage-Gated Ion Channels. Marine Drugs, 2022, 20, 147.	2.2	6
7	Bradykinin induces peripheral antinociception in PGE2-induced hyperalgesia in mice. Biochemical Pharmacology, 2022, 198, 114965.	2.0	1
8	Adaptively evolved human oral actinomycesâ€sourced defensins show therapeutic potential. EMBO Molecular Medicine, 2022, 14, e14499.	3.3	8
9	De Novo Transcriptome Analysis of the Venom of Latrodectus geometricus with the Discovery of an Insect-Selective Na Channel Modulator. Molecules, 2022, 27, 47.	1.7	5
10	Kunitz-Type Peptides from Sea Anemones Protect Neuronal Cells against Parkinsonâ€™s Disease Inductors via Inhibition of ROS Production and ATP-Induced P2X7 Receptor Activation. International Journal of Molecular Sciences, 2022, 23, 5115.	1.8	7
11	Design of New Potent and Selective Thiophene-Based KV1.3 Inhibitors and Their Potential for Anticancer Activity. Cancers, 2022, 14, 2595.	1.7	5
12	Newly Discovered Peptides from the Coral Heliofungia actiniformis Show Structural and Functional Diversity. Journal of Natural Products, 2022, 85, 1789-1798.	1.5	2
13	Pharmacological Screening of Venoms from Five Brazilian Micrurus Species on Different Ion Channels. International Journal of Molecular Sciences, 2022, 23, 7714.	1.8	1
14	Scorpion toxin MeuNaTxÎ±â€1 sensitizes primary nociceptors by selective modulation of voltageâ€gated sodium channels. FEBS Journal, 2021, 288, 2418-2435.	2.2	5
15	Small cyclic sodium channel inhibitors. Biochemical Pharmacology, 2021, 183, 114291.	2.0	14
16	Anti-inflammatory and detoxification activities of some Ipomoea species determined by ion channel inhibition and their phytochemical constituents. ScienceAsia, 2021, 47, 321.	0.2	4
17	New Insectotoxin from Tibellus Oblongus Spider Venom Presents Novel Adaptation of ICK Fold. Toxins, 2021, 13, 29.	1.5	7
18	Artificial Peptide Ligand of Potassium Channel KV1.1 with High Selectivity. Journal of Evolutionary Biochemistry and Physiology, 2021, 57, 386-403.	0.2	4

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19	Sea Anemone Kunitz-Type Peptides Demonstrate Neuroprotective Activity in the 6-Hydroxydopamine Induced Neurotoxicity Model. Biomedicines, 2021, 9, 283.	1.4	13
20	3D Pharmacophore-Based Discovery of Novel KV10.1 Inhibitors with Antiproliferative Activity. Cancers, 2021, 13, 1244.	1.7	6
21	Oleamide in Ipomoea and Dillenia Species and Inflammatory Activity Investigated through Ion Channel Inhibition. Current Pharmaceutical Biotechnology, 2021, 22, 254-261.	0.9	4
22	Neurotoxic and convulsant effects induced by jack bean ureases on the mammalian nervous system. Toxicology, 2021, 454, 152737.	2.0	7
23	WIN55,212-2, a Dual Modulator of Cannabinoid Receptors and G Protein-Coupled Inward Rectifier Potassium Channels. Biomedicines, 2021, 9, 484.	1.4	3
24	Discovery of K_V1.3 ion channel inhibitors: Medicinal chemistry approaches and challenges. Medicinal Research Reviews, 2021, 41, 2423-2473.	5.0	23
25	Potassium channel blocker crafted by Î±-hairpinin scaffold engineering. Biophysical Journal, 2021, 120, 2471-2481.	0.2	3
26	Editorial: Venoms and Toxins: At the Crossroads of Basic, Applied and Clinical Immunology. Frontiers in Immunology, 2021, 12, 716508.	2.2	2
27	Cyclic Peptides as T-Type Calcium Channel Blockers: Characterization and Molecular Mapping of the Binding Site. ACS Pharmacology and Translational Science, 2021, 4, 1379-1389.	2.5	3
28	Derivative of Scorpion Neurotoxin BeM9 Is Selective for Insect Voltage-Gated Sodium Channels. Russian Journal of Bioorganic Chemistry, 2021, 47, 854-863.	0.3	0
29	Isolation and characterization of FMRFamide-like peptides in the venoms of solitary sphecid wasps. Peptides, 2021, 142, 170575.	1.2	3
30	Functional Characterization of the Nemertide Î± Family of Peptide Toxins. Journal of Natural Products, 2021, 84, 2121-2128.	1.5	4
31	Human Three-Finger Protein Lypd6 Is a Negative Modulator of the Cholinergic System in the Brain. Frontiers in Cell and Developmental Biology, 2021, 9, 662227.	1.8	10
32	A Pseudoscorpion's Promising Pinch: The venom of Chelifer cancroides contains a rich source of novel compounds. Toxicon, 2021, 201, 92-104.	0.8	2
33	Quinazolinone dimers as a potential new class of safer Kv1 inhibitors: Overcoming hERG, sodium and calcium channel affinities. Bioorganic Chemistry, 2021, 115, 105264.	2.0	0
34	Towards toxin PEGylation: The example of rCollinein-1, a snake venom thrombin-like enzyme, as a PEGylated biopharmaceutical prototype. International Journal of Biological Macromolecules, 2021, 190, 564-573.	3.6	9
35	Identification, Synthesis, Conformation and Activity of an Insulin-like Peptide from a Sea Anemone. Biomolecules, 2021, 11, 1785.	1.8	9
36	AaHIV a sodium channel scorpion toxin inhibits the proliferation of DU145 prostate cancer cells. Biochemical and Biophysical Research Communications, 2020, 521, 340-346.	1.0	9

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37	Targeting Cannabinoid Receptors: Current Status and Prospects of Natural Products. International Journal of Molecular Sciences, 2020, 21, 5064.	1.8	103
38	Identification and Characterization of a Peptide from the Stony Coral Heliofungia actiniformis. Journal of Natural Products, 2020, 83, 3454-3463.	1.5	4
39	Compound Heterozygous SCN5A Mutations in Severe Sodium Channelopathy With Brugada Syndrome: A Case Report. Frontiers in Cardiovascular Medicine, 2020, 7, 117.	1.1	3
40	New insights in the mode of action of (+)-erythravine and (+)-11Î±-hydroxy-erythravine alkaloids. European Journal of Pharmacology, 2020, 885, 173390.	1.7	3
41	GiTx1 (Î²Î¹º-theraphotoxin-Gi1a), a novel toxin from the venom of Brazilian tarantula Grammostola iheringi (Mygalomorphae, Theraphosidae): Isolation, structural assessments and activity on voltage-gated ion channels. Biochimie, 2020, 176, 138-149.	1.3	1
42	Pioneering Study on Rhopalurus crassicauda Scorpion Venom: Isolation and Characterization of the Major Toxin and Hyaluronidase. Frontiers in Immunology, 2020, 11, 2011.	2.2	7
43	Kunitz-Type Peptides from the Sea Anemone Heteractis crispa Demonstrate Potassium Channel Blocking and Anti-Inflammatory Activities. Biomedicines, 2020, 8, 473.	1.4	17
44	Tuning Scorpion Toxin Selectivity: Switching From KV1.1 to KV1.3. Frontiers in Pharmacology, 2020, 11, 1010.	1.6	8
45	How a Scorpion Toxin Selectively Captures a Prey Sodium Channel: The Molecular and Evolutionary Basis Uncovered. Molecular Biology and Evolution, 2020, 37, 3149-3164.	3.5	14
46	Caterpillar Venom: A Health Hazard of the 21st Century. Biomedicines, 2020, 8, 143.	1.4	22
47	Beyond hemostasis: a snake venom serine protease with potassium channel blocking and potential antitumor activities. Scientific Reports, 2020, 10, 4476.	1.6	23
48	A new multigene HCIQ subfamily from the sea anemone Heteractis crispa encodes Kunitz-peptides exhibiting neuroprotective activity against 6-hydroxydopamine. Scientific Reports, 2020, 10, 4205.	1.6	15
49	Pharmacological activity and NMR solution structure of the leech peptide HSTX-I. Biochemical Pharmacology, 2020, 181, 114082.	2.0	2
50	A Venomics Approach Coupled to High-Throughput Toxin Production Strategies Identifies the First Venom-Derived Melanocortin Receptor Agonists. Journal of Medicinal Chemistry, 2020, 63, 8250-8264.	2.9	13
51	Pegylating toxins: A new trend in toxinology? A successful example of a PEGylated snake venom serine protease. Toxicon, 2020, 177, S58-S59.	0.8	0
52	New Insights into the Type II Toxins from the Sea Anemone Heteractis crispa. Toxins, 2020, 12, 44.	1.5	14
53	Design and characterization of a novel structural class of Kv1.3 inhibitors. Bioorganic Chemistry, 2020, 98, 103746.	2.0	8
54	Neurotoxin Merging: A Strategy Deployed by the Venom of the Spider Cupiennius salei to Potentiate Toxicity on Insects. Toxins, 2020, 12, 250.	1.5	11

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55	Solution Structure and Functional Analysis of HelaTx1: The First Toxin Member of the Î²-KTx5 Subfamily. BMB Reports, 2020, 53, 260-265.	1.1	2
56	New Sea Anemone Toxin RTX-VI Selectively Modulates Voltage-Gated Sodium Channels. Doklady Biochemistry and Biophysics, 2020, 495, 292-295.	0.3	1
57	Electrophysiological characterization of Tityus obscurus Î² toxin 1 (To1) on Na+-channel isoforms. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 142-150.	1.4	12
58	First report on BaltCRP, a cysteine-rich secretory protein (CRISP) from Bothrops alternatus venom: Effects on potassium channels and inflammatory processes. International Journal of Biological Macromolecules, 2019, 140, 556-567.	3.6	13
59	Structural and functional characterisation of a novel peptide from the Australian sea anemone Actinia tenebrosa. Toxicon, 2019, 168, 104-112.	0.8	11
60	Protein surface topography as a tool to enhance the selective activity of a potassium channel blocker. Journal of Biological Chemistry, 2019, 294, 18349-18359.	1.6	10
61	Magnificamide, a Î²-Defensin-Like Peptide from the Mucus of the Sea Anemone Heteractis magnifica, Is a Strong Inhibitor of Mammalian Î±-Amylases. Marine Drugs, 2019, 17, 542.	2.2	15
62	Structure-Function Elucidation of a New Î±-Conotoxin, MilIA, from Conus milneedwardsi. Marine Drugs, 2019, 17, 535.	2.2	12
63	The Birth and Death of Toxins with Distinct Functions: A Case Study in the Sea Anemone Nematostella. Molecular Biology and Evolution, 2019, 36, 2001-2012.	3.5	48
64	Recombinant Production and Structureâ€“Function Study of the Ts1 Toxin from the Brazilian Scorpion Tityus serrulatus. Doklady Biochemistry and Biophysics, 2019, 484, 9-12.	0.3	1
65	Antinociceptive effects of new pyrazoles compounds mediated by the ASIC-1Î± channel, TRPV-1 and Î¼MOR receptors. Biomedicine and Pharmacotherapy, 2019, 115, 108915.	2.5	7
66	A Centipede Toxin Family Defines an Ancient Class of CSÎ±Î² Defensins. Structure, 2019, 27, 315-326.e7.	1.6	17
67	Jaburetox, a natural insecticide derived from Jack Bean Urease, activates voltage-gated sodium channels to modulate insect behavior. Pesticide Biochemistry and Physiology, 2019, 153, 67-76.	1.6	6
68	Where cone snails and spiders meet: design of small cyclic sodiumâ€channel inhibitors. FASEB Journal, 2019, 33, 3693-3703.	0.2	23
69	New Kv, NAv, and ASIC channel toxins from the sea anemone Heteractis crispa. Toxicon, 2019, 158, S48.	0.8	0
70	Gating modifier toxins isolated from spider venom: Modulation of voltage-gated sodium channels and the role of lipid membranes. Journal of Biological Chemistry, 2018, 293, 9041-9052.	1.6	35
71	Purification and biochemical characterization of VesT1s, a novel phospholipase A1 isoform isolated from the venom of the greater banded wasp Vespa tropica. Toxicon, 2018, 148, 74-84.	0.8	11
72	Peptide ion channel toxins from the bootlace worm, the longest animal on Earth. Scientific Reports, 2018, 8, 4596.	1.6	22

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73	Structure, folding and stability of a minimal homologue from Anemonia sulcata of the sea anemone potassium channel blocker ShK. Peptides, 2018, 99, 169-178.	1.2	20
74	An allosteric binding site of the Î±7 nicotinic acetylcholine receptor revealed in a humanized acetylcholine-binding protein. Journal of Biological Chemistry, 2018, 293, 2534-2545.	1.6	34
75	Cover Image, Volume 86, Issue 10. Proteins: Structure, Function and Bioinformatics, 2018, 86, C4-C4.	1.5	0
76	AbeTx1 Is a Novel Sea Anemone Toxin with a Dual Mechanism of Action on Shaker-Type K+ Channels Activation. Marine Drugs, 2018, 16, 360.	2.2	10
77	KV1.2 channel-specific blocker from Mesobuthus eupeus scorpion venom: Structural basis of selectivity. Neuropharmacology, 2018, 143, 228-238.	2.0	20
78	Phoneutria nigriventer Spider Toxin PnTx2-1 (Î´-Ctenitoxin-Pn1a) Is a Modulator of Sodium Channel Gating. Toxins, 2018, 10, 337.	1.5	7
79	Subtype Specificity of Î²-Toxin Tf1a from Tityus fasciolatus in Voltage Gated Sodium Channels. Toxins, 2018, 10, 339.	1.5	2
80	Synthesis, folding, structure and activity of a predicted peptide from the sea anemone Oulactis sp. with an ShKT fold. Toxicon, 2018, 150, 50-59.	0.8	19
81	Identification, chemical synthesis, structure, and function of a new K_V1 channel blocking peptide from Oulactis sp.. Peptide Science, 2018, 110, e24073.	1.0	15
82	Refined structure of BeM9 reveals arginine hand, an overlooked structural motif in scorpion toxins affecting sodium channels. Proteins: Structure, Function and Bioinformatics, 2018, 86, 1117-1122.	1.5	5
83	The Peptide PnPP-19, a Spider Toxin Derivative, Activates Î¼-Opioid Receptors and Modulates Calcium Channels. Toxins, 2018, 10, 43.	1.5	14
84	PhcrTx2, a New Crab-Paralyzing Peptide Toxin from the Sea Anemone Phymanthus crucifer. Toxins, 2018, 10, 72.	1.5	7
85	Toxins in Drug Discovery and Pharmacology. Toxins, 2018, 10, 126.	1.5	42
86	Phoneutria nigriventer venom: A pharmacological treasure. Toxicon, 2018, 151, 96-110.	0.8	38
87	A New Iq-Peptide of the Kunitz Type from the Heteractis magnifica Sea Anemone Exhibits Neuroprotective Activity in a Model of Alzheimerâ€™s Disease. Russian Journal of Bioorganic Chemistry, 2018, 44, 416-423.	0.3	14
88	PHAB toxins: a unique family of predatory sea anemone toxins evolving via intra-gene concerted evolution defines a new peptide fold. Cellular and Molecular Life Sciences, 2018, 75, 4511-4524.	2.4	34
89	C-Terminal residues in small potassium channel blockers OdK1 and OSK3 from scorpion venom fine-tune the selectivity. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 465-472.	1.1	8
90	Green mamba peptide targets type-2 vasopressin receptor against polycystic kidney disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7154-7159.	3.3	33

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91	Astemizole analogues with reduced hERG inhibition as potent antimalarial compounds. Bioorganic and Medicinal Chemistry, 2017, 25, 6332-6344.	1.4	17
92	Design of sodium channel ligands with defined selectivity â€“ a case study in scorpion alphaâ€toxins. FEBS Letters, 2017, 591, 3414-3420.	1.3	6
93	Clathrodin, hymenidin and oroidin, and their synthetic analogues as inhibitors of the voltage-gated potassium channels. European Journal of Medicinal Chemistry, 2017, 139, 232-241.	2.6	12
94	Expanding the pharmacological profile of Îº-hefutoxin 1 and analogues: A focus on the inhibitory effect on the oncogenic channel Kv10.1. Peptides, 2017, 98, 43-50.	1.2	16
95	Panusin represents a new family of Î²-defensin-like peptides in invertebrates. Developmental and Comparative Immunology, 2017, 67, 310-321.	1.0	21
96	APETx4, a Novel Sea Anemone Toxin and a Modulator of the Cancer-Relevant Potassium Channel KV10.1. Marine Drugs, 2017, 15, 287.	2.2	32
97	Synthesis of novel purpurealidin analogs and evaluation of their effect on the cancer-relevant potassium channel KV10.1. PLoS ONE, 2017, 12, e0188811.	1.1	17
98	Kunitz-Type Peptide HCRG21 from the Sea Anemone Heteractis crispa Is a Full Antagonist of the TRPV1 Receptor. Marine Drugs, 2016, 14, 229.	2.2	48
99	The Kunitz-Type Protein ShPI-1 Inhibits Serine Proteases and Voltage-Gated Potassium Channels. Toxins, 2016, 8, 110.	1.5	38
100	Novel Conopeptides of Largely Unexplored Indo Pacific Conus sp.. Marine Drugs, 2016, 14, 199.	2.2	13
101	Structural and Functional Elucidation of Peptide Ts11 Shows Evidence of a Novel Subfamily of Scorpion Venom Toxins. Toxins, 2016, 8, 288.	1.5	26
102	tâ€boc synthesis of huwentoxinâ€i through native chemical ligation incorporating a trifluoromethanesulfonic acid cleavage strategy. Biopolymers, 2016, 106, 737-745.	1.2	3
103	Immunosuppressive evidence of Tityus serrulatus toxins Ts6 and Ts15: insights of a novel K⁺ channel pattern in T cells. Immunology, 2016, 147, 240-250.	2.0	19
104	Fluorescent protein-scorpion toxin chimera is a convenient molecular tool for studies of potassium channels. Scientific Reports, 2016, 6, 33314.	1.6	28
105	Non-disulfide-bridged peptides from Tityus serrulatus venom: Evidence for proline-free ACE-inhibitors. Peptides, 2016, 82, 44-51.	1.2	13
106	Target-Driven Positive Selection at Hot Spots of Scorpion Toxins Uncovers Their Potential in Design of Insecticides. Molecular Biology and Evolution, 2016, 33, 1907-1920.	3.5	26
107	Active Sites of Spinoxin, a Potassium Channel Scorpion Toxin, Elucidated by Systematic Alanine Scanning. Biochemistry, 2016, 55, 2927-2935.	1.2	4
108	Role of individual disulfide bridges in the conformation and activity of spinoxin (Îµ-KTx6.13), a potassium channel toxin from Heterometrus spinifer scorpion venom. Toxicon, 2016, 122, 31-38.	0.8	1

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109	Allosteric binding site in a Cys-loop receptor ligand-binding domain unveiled in the crystal structure of ELIC in complex with chlorpromazine. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6696-E6703.	3.3	30
110	The antifungal plant defensin AtPDF2.3 from Arabidopsis thaliana blocks potassium channels. Scientific Reports, 2016, 6, 32121.	1.6	31
111	Ts8 scorpion toxin inhibits the Kv4.2 channel and produces nociception inÂvivo. Toxicon, 2016, 119, 244-252.	0.8	22
112	Effects of deletion and insertion of amino acids on the activity of HelaTx1, a scorpion toxin on potassium channels. Toxicon, 2016, 111, 1-5.	0.8	2
113	Differential effects of the recombinant toxin PnTx4(5-5) from the spider Phoneutria nigriventer on mammalian and insect sodium channels. Biochimie, 2016, 121, 326-335.	1.3	24
114	Isolation and characterization of Ts19 Fragment II, a new long-chain potassium channel toxin from Tityus serrulatus venom. Peptides, 2016, 80, 9-17.	1.2	24
115	Kbot55, purified from Buthus occitanus tunetanus venom, represents the first member of a novel Î±-KTx subfamily. Peptides, 2016, 80, 4-8.	1.2	7
116	Revealing the Function and the Structural Model of Ts4: Insights into the â€œNon-Toxicâ€•Toxin from Tityus serrulatus Venom. Toxins, 2015, 7, 2534-2550.	1.5	23
117	Characterization of Kbot21 Reveals Novel Side Chain Interactions of Scorpion Toxins Inhibiting Voltage-Gated Potassium Channels. PLoS ONE, 2015, 10, e0137611.	1.1	7
118	Electrophysiological characterization of the first Tityus serrulatus alpha-like toxin, Ts5: Evidence of a pro-inflammatory toxin on macrophages. Biochimie, 2015, 115, 8-16.	1.3	26
119	Synthesis and biological evaluation of piperazine derivatives as novel isoform selective voltage-gated sodium (Nav) 1.3 channel modulators. Medicinal Chemistry Research, 2015, 24, 2366-2380.	1.1	2
120	PnPP-19, a Synthetic and Nontoxic Peptide Designed from a Phoneutria nigriventer Toxin, Potentiates Erectile Function via NO/cGMP. Journal of Urology, 2015, 194, 1481-1490.	0.2	37
121	Variability of Potassium Channel Blockers in Mesobuthus eupeus Scorpion Venom with Focus on Kv1.1. Journal of Biological Chemistry, 2015, 290, 12195-12209.	1.6	44
122	Trancriptomic approach reveals the molecular diversity of Hottentotta conspersus (Buthidae) venom. Toxicon, 2015, 99, 73-79.	0.8	13
123	A gamut of undiscovered electrophysiological effects produced by Tityus serrulatus toxin 1 on NaV-type isoforms. Neuropharmacology, 2015, 95, 269-277.	2.0	34
124	Structure of Membrane-active Toxin from Crab Spider Heriaeus melloteei Suggests Parallel Evolution of Sodium Channel Gating Modifiers in Araneomorphae and Mygalomorphae. Journal of Biological Chemistry, 2015, 290, 492-504.	1.6	18
125	Action of Clathrodin and Analogues on Voltage-Gated Sodium Channels. Marine Drugs, 2014, 12, 2132-2143.	2.2	9
126	Conotoxins Targeting Nicotinic Acetylcholine Receptors: An Overview. Marine Drugs, 2014, 12, 2970-3004.	2.2	137

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127	Serrumab: A novel human single chain-fragment antibody with multiple scorpion toxin-neutralizing capacities. Journal of Immunotoxicology, 2014, 11, 133-140.	0.9	22
128	Î´-Conotoxins Synthesized Using an Acid-cleavable Solubility Tag Approach Reveal Key Structural Determinants for NaV Subtype Selectivity. Journal of Biological Chemistry, 2014, 289, 35341-35350.	1.6	16
129	Electrophysiological Characterization of Ts6 and Ts7, K+ Channel Toxins Isolated through an Improved Tityus serrulatus Venom Purification Procedure. Toxins, 2014, 6, 892-913.	1.5	38
130	Macrophage alteration induced by inflammatory toxins isolated from Tityus discrepans scorpion venom. The role of Na+/Ca2+ exchangers. Toxicon, 2014, 82, 61-75.	0.8	15
131	Substituted 4-phenyl-2-aminoimidazoles and 4-phenyl-4,5-dihydro-2-aminoimidazoles as voltage-gated sodium channel modulators. European Journal of Medicinal Chemistry, 2014, 74, 23-30.	2.6	13
132	Partial transcriptomic profiling of toxins from the venom gland of the scorpion Parabuthus stridulus. Toxicon, 2014, 83, 75-83.	0.8	12
133	Structural Similarity between Defense Peptide from Wheat and Scorpion Neurotoxin Permits Rational Functional Design. Journal of Biological Chemistry, 2014, 289, 14331-14340.	1.6	33
134	Structure-Function Elucidation of a New Î±-Conotoxin, Lo1a, from Conus longurionis. Journal of Biological Chemistry, 2014, 289, 9573-9583.	1.6	21
135	Experimental Conversion of a Defensin into a Neurotoxin: Implications for Origin of Toxic Function. Molecular Biology and Evolution, 2014, 31, 546-559.	3.5	62
136	Discovery of a new subclass of Î±-conotoxins in the venom of Conus australis. Toxicon, 2014, 91, 145-154.	0.8	25
137	Ala-7, His-10 and Arg-12 are crucial amino acids for activity of a synthetically engineered Î¼-conotoxin. Peptides, 2014, 53, 300-306.	1.2	3
138	A novel sea anemone peptide that inhibits acid-sensing ion channels. Peptides, 2014, 53, 3-12.	1.2	54
139	The Mechanism of Action of Microalgal Toxins Interacting with NaV and KV Channels. , 2014, , 3-34.		0
140	Bcs<scp>T</scp>x3 is a founder of a novel sea anemone toxin family of potassium channel blocker. FEBS Journal, 2013, 280, 4839-4852.	2.2	35
141	Unraveling the peptidome of the South African cone snails Conus pictus and Conus natalis. Peptides, 2013, 41, 8-16.	1.2	8
142	Ligand- and Structure-Based Virtual Screening for Clathrodin-Derived Human Voltage-Gated Sodium Channel Modulators. Journal of Chemical Information and Modeling, 2013, 53, 3223-3232.	2.5	13
143	Modular Organization of Î±-Toxins from Scorpion Venom Mirrors Domain Structure of Their Targets, Sodium Channels. Journal of Biological Chemistry, 2013, 288, 19014-19027.	1.6	31
144	Biochemical and Electrophysiological Characterization of Two Sea Anemone Type 1 Potassium Toxins from a Geographically Distant Population of Bunodosoma caissarum. Marine Drugs, 2013, 11, 655-679.	2.2	32

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145	Novel potassium channel blocker venom peptides from Mesobuthus gibbosus (Scorpiones: Buthidae). Toxicon, 2013, 61, 72-82.	0.8	22
146	Cardiac channelopathy causing sudden death as revealed by molecular autopsy. International Journal of Legal Medicine, 2013, 127, 145-151.	1.2	26
147	Two recombinant Î±-like scorpion toxins from Mesobuthus eupeus with differential affinity toward insect and mammalian Na+ channels. Biochimie, 2013, 95, 1732-1740.	1.3	22
148	A â€˜conovenomicâ€™ analysis of the milked venom from the mollusk-hunting cone snail Conus textileâ€”The pharmacological importance of post-translational modifications. Peptides, 2013, 49, 145-158.	1.2	14
149	Identification, structural and pharmacological characterization of Ï„-CnVA, a conopeptide that selectively interacts with somatostatin sst3 receptor. Biochemical Pharmacology, 2013, 85, 1663-1671.	2.0	34
150	The proteomic profile of Stichodactyla duerdeni secretion reveals the presence of a novel O-linked glycopeptide. Journal of Proteomics, 2013, 87, 89-102.	1.2	23
151	Synthesis and characterization of amino acid deletion analogs of Îº-hefutoxin 1, a scorpion toxin on potassium channels. Toxicon, 2013, 71, 25-30.	0.8	14
152	Venomous Secretions from Marine Snails of the Terebridae Family Target Acetylcholine Receptors. Toxins, 2013, 5, 1043-1050.	1.5	13
153	Multiple actions of Ït-LITX-Lw1a on ryanodine receptors reveal a functional link between scorpion DDH and ICK toxins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8906-8911.	3.3	35
154	Crotamine Pharmacology Revisited: Novel Insights Based on the Inhibition of K_V Channels. Molecular Pharmacology, 2012, 82, 90-96.	1.0	59
155	Design of Bioactive Peptides from Naturally Occurring Î¼-Conotoxin Structures. Journal of Biological Chemistry, 2012, 287, 31382-31392.	1.6	30
156	Atypical Reactive Center Kunitz-Type Inhibitor from the Sea Anemone Heteractis crispa. Marine Drugs, 2012, 10, 1545-1565.	2.2	22
157	Pc16a, the first characterized peptide from Conus pictus venom, shows a novel disulfide connectivity. Peptides, 2012, 34, 106-113.	1.2	13
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