

Jan Tytgat

List of Publications by Year in descending order

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Version: 2024-02-01

308
papers

11,394
citations

38742

50
h-index

46799

89
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313
all docs

313
docs citations

313
times ranked

7915
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming challenges of HERG potassium channel liability through rational design: Eag1 inhibitors for cancer treatment. <i>Medicinal Research Reviews</i> , 2022, 42, 183-226.	10.5	19
2	Synthetic polypeptide crostamine: characterization as a myotoxin and as a target of combinatorial peptides. <i>Journal of Molecular Medicine</i> , 2022, 100, 65-76.	3.9	3
3	In Silico and In Vitro Structure-Activity Relationship of Mastoparan and Its Analogs. <i>Molecules</i> , 2022, 27, 561.	3.8	7
4	Review: HCN Channels in the Heart. <i>Current Cardiology Reviews</i> , 2022, 18, .	1.5	5
5	AsKC11, a Kunitz Peptide from <i>Anemonia sulcata</i> , Is a Novel Activator of G Protein-Coupled Inward-Rectifier Potassium Channels. <i>Marine Drugs</i> , 2022, 20, 140.	4.6	6
6	A Tale of Toxin Promiscuity: The Versatile Pharmacological Effects of Hcr 1b-2 Sea Anemone Peptide on Voltage-Gated Ion Channels. <i>Marine Drugs</i> , 2022, 20, 147.	4.6	6
7	Adaptively evolved human oral actinomyces-sourced defensins show therapeutic potential. <i>EMBO Molecular Medicine</i> , 2022, 14, e14499.	6.9	8
8	De Novo Transcriptome Analysis of the Venom of <i>Latrodectus geometricus</i> with the Discovery of an Insect-Selective Na Channel Modulator. <i>Molecules</i> , 2022, 27, 47.	3.8	5
9	Kunitz-Type Peptides from Sea Anemones Protect Neuronal Cells against Parkinson's Disease Inductors via Inhibition of ROS Production and ATP-Induced P2X7 Receptor Activation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5115.	4.1	7
10	Design of New Potent and Selective Thiophene-Based KV1.3 Inhibitors and Their Potential for Anticancer Activity. <i>Cancers</i> , 2022, 14, 2595.	3.7	5
11	Analytical performance of eight enzymatic assays for ethanol in serum evaluated by data from the Belgian external quality assessment scheme. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022, 60, 1211-1217.	2.3	1
12	Newly Discovered Peptides from the Coral <i>Heliofungia actiniformis</i> Show Structural and Functional Diversity. <i>Journal of Natural Products</i> , 2022, 85, 1789-1798.	3.0	2
13	Pharmacological Screening of Venoms from Five Brazilian <i>Micrurus</i> Species on Different Ion Channels. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7714.	4.1	1
14	Scorpion toxin MeuNaTx1 sensitizes primary nociceptors by selective modulation of voltage-gated sodium channels. <i>FEBS Journal</i> , 2021, 288, 2418-2435.	4.7	5
15	Small cyclic sodium channel inhibitors. <i>Biochemical Pharmacology</i> , 2021, 183, 114291.	4.4	14
16	Anti-inflammatory and detoxification activities of some <i>Ipomoea</i> species determined by ion channel inhibition and their phytochemical constituents. <i>ScienceAsia</i> , 2021, 47, 321.	0.5	4
17	New Insectotoxin from <i>Tibellus Oblongus</i> Spider Venom Presents Novel Adaptation of ICK Fold. <i>Toxins</i> , 2021, 13, 29.	3.4	7
18	Sea Anemone Kunitz-Type Peptides Demonstrate Neuroprotective Activity in the 6-Hydroxydopamine Induced Neurotoxicity Model. <i>Biomedicines</i> , 2021, 9, 283.	3.2	13

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19	3D Pharmacophore-Based Discovery of Novel KV10.1 Inhibitors with Antiproliferative Activity. <i>Cancers</i> , 2021, 13, 1244.	3.7	6
20	Oleamide in Ipomoea and Dillenia Species and Inflammatory Activity Investigated through Ion Channel Inhibition. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 254-261.	1.6	4
21	Neurotoxic and convulsant effects induced by jack bean ureases on the mammalian nervous system. <i>Toxicology</i> , 2021, 454, 152737.	4.2	7
22	WIN55,212-2, a Dual Modulator of Cannabinoid Receptors and G Protein-Coupled Inward Rectifier Potassium Channels. <i>Biomedicines</i> , 2021, 9, 484.	3.2	3
23	Discovery of K ^V 1.3 ion channel inhibitors: Medicinal chemistry approaches and challenges. <i>Medicinal Research Reviews</i> , 2021, 41, 2423-2473.	10.5	23
24	Potassium channel blocker crafted by $\hat{\pm}$ -hairpinin scaffold engineering. <i>Biophysical Journal</i> , 2021, 120, 2471-2481.	0.5	3
25	Cyclic Peptides as T-Type Calcium Channel Blockers: Characterization and Molecular Mapping of the Binding Site. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1379-1389.	4.9	3
26	Isolation and characterization of FMRamide-like peptides in the venoms of solitary sphecid wasps. <i>Peptides</i> , 2021, 142, 170575.	2.4	3
27	Functional Characterization of the Nemertide $\hat{\pm}$ Family of Peptide Toxins. <i>Journal of Natural Products</i> , 2021, 84, 2121-2128.	3.0	4
28	Human Three-Finger Protein Lypd6 Is a Negative Modulator of the Cholinergic System in the Brain. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 662227.	3.7	10
29	A Pseudoscorpion's Promising Pinch: The venom of <i>Chelifer cancroides</i> contains a rich source of novel compounds. <i>Toxicon</i> , 2021, 201, 92-104.	1.6	2
30	Quinazolinone dimers as a potential new class of safer Kv1 inhibitors: Overcoming hERG, sodium and calcium channel affinities. <i>Bioorganic Chemistry</i> , 2021, 115, 105264.	4.1	0
31	Towards toxin PEGylation: The example of rCollinein-1, a snake venom thrombin-like enzyme, as a PEGylated biopharmaceutical prototype. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 564-573.	7.5	9
32	Identification, Synthesis, Conformation and Activity of an Insulin-like Peptide from a Sea Anemone. <i>Biomolecules</i> , 2021, 11, 1785.	4.0	9
33	AaHIV a sodium channel scorpion toxin inhibits the proliferation of DU145 prostate cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 340-346.	2.1	9
34	Targeting Cannabinoid Receptors: Current Status and Prospects of Natural Products. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5064.	4.1	103
35	Identification and Characterization of a Peptide from the Stony Coral <i>Heliofungia actiniformis</i> . <i>Journal of Natural Products</i> , 2020, 83, 3454-3463.	3.0	4
36	Compound Heterozygous SCN5A Mutations in Severe Sodium Channelopathy With Brugada Syndrome: A Case Report. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 117.	2.4	3

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37	GiTx1 ($\hat{1}^2/\hat{1}^a$ -theraphotoxin-Gi1a), a novel toxin from the venom of Brazilian tarantula <i>Grammostola iheringi</i> (Mygalomorphae, Theraphosidae): Isolation, structural assessments and activity on voltage-gated ion channels. <i>Biochimie</i> , 2020, 176, 138-149.	2.6	1
38	Pioneering Study on <i>Rhopalurus crassicauda</i> Scorpion Venom: Isolation and Characterization of the Major Toxin and Hyaluronidase. <i>Frontiers in Immunology</i> , 2020, 11, 2011.	4.8	7
39	Kunitz-Type Peptides from the Sea Anemone <i>Heteractis crispa</i> Demonstrate Potassium Channel Blocking and Anti-Inflammatory Activities. <i>Biomedicines</i> , 2020, 8, 473.	3.2	17
40	Transgenerational epigenetic effects from male exposure to endocrine-disrupting compounds: a systematic review on research in mammals. <i>Clinical Epigenetics</i> , 2020, 12, 65.	4.1	66
41	Tuning Scorpion Toxin Selectivity: Switching From KV1.1 to KV1.3. <i>Frontiers in Pharmacology</i> , 2020, 11, 1010.	3.5	8
42	How a Scorpion Toxin Selectively Captures a Prey Sodium Channel: The Molecular and Evolutionary Basis Uncovered. <i>Molecular Biology and Evolution</i> , 2020, 37, 3149-3164.	8.9	14
43	Caterpillar Venom: A Health Hazard of the 21st Century. <i>Biomedicines</i> , 2020, 8, 143.	3.2	22
44	Beyond hemostasis: a snake venom serine protease with potassium channel blocking and potential antitumor activities. <i>Scientific Reports</i> , 2020, 10, 4476.	3.3	23
45	A new multigene HClQ subfamily from the sea anemone <i>Heteractis crispa</i> encodes Kunitz-peptides exhibiting neuroprotective activity against 6-hydroxydopamine. <i>Scientific Reports</i> , 2020, 10, 4205.	3.3	15
46	Pharmacological activity and NMR solution structure of the leech peptide HSTX-I. <i>Biochemical Pharmacology</i> , 2020, 181, 114082.	4.4	2
47	A Venomics Approach Coupled to High-Throughput Toxin Production Strategies Identifies the First Venom-Derived Melanocortin Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8250-8264.	6.4	13
48	Pegylating toxins: A new trend in toxinology? A successful example of a PEGylated snake venom serine protease. <i>Toxicon</i> , 2020, 177, S58-S59.	1.6	0
49	New Insights into the Type II Toxins from the Sea Anemone <i>Heteractis crispa</i> . <i>Toxins</i> , 2020, 12, 44.	3.4	14
50	Design and characterization of a novel structural class of Kv1.3 inhibitors. <i>Bioorganic Chemistry</i> , 2020, 98, 103746.	4.1	8
51	Neurotoxin Merging: A Strategy Deployed by the Venom of the Spider <i>Cupiennius salei</i> to Potentiate Toxicity on Insects. <i>Toxins</i> , 2020, 12, 250.	3.4	11
52	Solution Structure and Functional Analysis of HelaTx1: The First Toxin Member of the $\hat{1}^a$ -KTx5 Subfamily. <i>BMB Reports</i> , 2020, 53, 260-265.	2.4	2
53	Electrophysiological characterization of <i>Tityus obscurus</i> $\hat{1}^2$ toxin 1 (To1) on Na ⁺ -channel isoforms. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 142-150.	2.6	12
54	First report on BaltCRP, a cysteine-rich secretory protein (CRISP) from <i>Bothrops alternatus</i> venom: Effects on potassium channels and inflammatory processes. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 556-567.	7.5	13

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55	Structural and functional characterisation of a novel peptide from the Australian sea anemone <i>Actinia tenebrosa</i> . <i>Toxicon</i> , 2019, 168, 104-112.	1.6	11
56	Protein surface topography as a tool to enhance the selective activity of a potassium channel blocker. <i>Journal of Biological Chemistry</i> , 2019, 294, 18349-18359.	3.4	10
57	Venom characterization of the bark scorpion <i>Centruroides edwardsii</i> (Gervais 1843): Composition, biochemical activities and in vivo toxicity for potential prey. <i>Toxicon</i> , 2019, 171, 7-19.	1.6	16
58	Magnificamide, a β -Defensin-Like Peptide from the Mucus of the Sea Anemone <i>Heteractis magnifica</i> , Is a Strong Inhibitor of Mammalian β -Amylases. <i>Marine Drugs</i> , 2019, 17, 542.	4.6	15
59	Structure-Function Elucidation of a New β -Conotoxin, Milla, from <i>Conus milneedwardsi</i> . <i>Marine Drugs</i> , 2019, 17, 535.	4.6	12
60	Chemical Synthesis, Proper Folding, Nav Channel Selectivity Profile and Analgesic Properties of the Spider Peptide Phlotoxin 1. <i>Toxins</i> , 2019, 11, 367.	3.4	16
61	The Birth and Death of Toxins with Distinct Functions: A Case Study in the Sea Anemone <i>Nematostella</i> . <i>Molecular Biology and Evolution</i> , 2019, 36, 2001-2012.	8.9	48
62	Recombinant Production and Structure-Function Study of the Ts1 Toxin from the Brazilian Scorpion <i>Tityus serrulatus</i> . <i>Doklady Biochemistry and Biophysics</i> , 2019, 484, 9-12.	0.9	1
63	Antinociceptive effects of new pyrazoles compounds mediated by the ASIC-1 channel, TRPV-1 and δ MOR receptors. <i>Biomedicine and Pharmacotherapy</i> , 2019, 115, 108915.	5.6	7
64	A Centipede Toxin Family Defines an Ancient Class of β -Defensins. <i>Structure</i> , 2019, 27, 315-326.e7.	3.3	17
65	Microextractions in forensic toxicology: The potential role of ionic liquids. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 73-84.	11.4	10
66	Jaburetox, a natural insecticide derived from Jack Bean Urease, activates voltage-gated sodium channels to modulate insect behavior. <i>Pesticide Biochemistry and Physiology</i> , 2019, 153, 67-76.	3.6	6
67	Evaluation of the suitability of ionic liquid-based liquid-liquid microextractions for blood protein removal. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 57-61.	2.8	5
68	Biochemical characterization of the venom of Central American scorpion <i>Didymocentrus krausi</i> Francke, 1978 (Diplocentridae) and its toxic effects in vivo and in vitro. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 217, 54-67.	2.6	9
69	Where cone snails and spiders meet: design of small cyclic sodium channel inhibitors. <i>FASEB Journal</i> , 2019, 33, 3693-3703.	0.5	23
70	Ionic Liquid-Based Liquid-Liquid Microextraction for Benzodiazepine Analysis in Postmortem Blood Samples. <i>Journal of Forensic Sciences</i> , 2018, 63, 1875-1879.	1.6	11
71	The Health Risks of Belgian Illicit Indoor Cannabis Plantations. <i>Journal of Forensic Sciences</i> , 2018, 63, 1783-1789.	1.6	6
72	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.	3.4	35

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73	Purification and biochemical characterization of VesT1s, a novel phospholipase A1 isoform isolated from the venom of the greater banded wasp <i>Vespa tropica</i> . <i>Toxicon</i> , 2018, 148, 74-84.	1.6	11
74	Peptide ion channel toxins from the bootlace worm, the longest animal on Earth. <i>Scientific Reports</i> , 2018, 8, 4596.	3.3	22
75	Evaluation of 11 ionic liquids as potential extraction solvents for benzodiazepines from whole blood using liquid-liquid microextraction combined with LC-MS/MS. <i>Talanta</i> , 2018, 184, 369-374.	5.5	22
76	Structure, folding and stability of a minimal homologue from <i>Anemonia sulcata</i> of the sea anemone potassium channel blocker ShK. <i>Peptides</i> , 2018, 99, 169-178.	2.4	20
77	An allosteric binding site of the $\alpha 7$ nicotinic acetylcholine receptor revealed in a humanized acetylcholine-binding protein. <i>Journal of Biological Chemistry</i> , 2018, 293, 2534-2545.	3.4	34
78	Fast and easy extraction of antidepressants from whole blood using ionic liquids as extraction solvent. <i>Talanta</i> , 2018, 180, 292-299.	5.5	46
79	Cover Image, Volume 86, Issue 10. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, C4-C4.	2.6	0
80	AbeTx1 Is a Novel Sea Anemone Toxin with a Dual Mechanism of Action on Shaker-Type K ⁺ Channels Activation. <i>Marine Drugs</i> , 2018, 16, 360.	4.6	10
81	KV1.2 channel-specific blocker from <i>Mesobuthus eupeus</i> scorpion venom: Structural basis of selectivity. <i>Neuropharmacology</i> , 2018, 143, 228-238.	4.1	20
82	Phoneutria nigriventer Spider Toxin PnTx2-1 (β -Ctenitoxin-Pn1a) Is a Modulator of Sodium Channel Gating. <i>Toxins</i> , 2018, 10, 337.	3.4	7
83	Subtype Specificity of $\beta 2$ -Toxin Tf1a from <i>Tityus fasciolatus</i> in Voltage Gated Sodium Channels. <i>Toxins</i> , 2018, 10, 339.	3.4	2
84	Synthesis, folding, structure and activity of a predicted peptide from the sea anemone <i>Oulactis</i> sp. with an ShKT fold. <i>Toxicon</i> , 2018, 150, 50-59.	1.6	19
85	Identification, chemical synthesis, structure, and function of a new K _v 1 channel blocking peptide from <i>Oulactis</i> sp.. <i>Peptide Science</i> , 2018, 110, e24073.	1.8	15
86	Refined structure of BeM9 reveals arginine hand, an overlooked structural motif in scorpion toxins affecting sodium channels. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 1117-1122.	2.6	5
87	The Peptide PnPP-19, a Spider Toxin Derivative, Activates μ -Opioid Receptors and Modulates Calcium Channels. <i>Toxins</i> , 2018, 10, 43.	3.4	14
88	PhcrTx2, a New Crab-Paralyzing Peptide Toxin from the Sea Anemone <i>Phymanthus crucifer</i> . <i>Toxins</i> , 2018, 10, 72.	3.4	7
89	Toxins in Drug Discovery and Pharmacology. <i>Toxins</i> , 2018, 10, 126.	3.4	42
90	Phoneutria nigriventer venom: A pharmacological treasure. <i>Toxicon</i> , 2018, 151, 96-110.	1.6	38

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91	PHAB toxins: a unique family of predatory sea anemone toxins evolving via intra-gene concerted evolution defines a new peptide fold. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4511-4524.	5.4	34
92	C-Terminal residues in small potassium channel blockers Odk1 and OSK3 from scorpion venom fine-tune the selectivity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 465-472.	2.3	8
93	Medical Findings and Toxicological Analysis in Infant Death by Balloon Gas Asphyxia: A Case Report. <i>Journal of Analytical Toxicology</i> , 2017, 41, 347-349.	2.8	8
94	Green mamba peptide targets type-2 vasopressin receptor against polycystic kidney disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7154-7159.	7.1	33
95	Steviol glycosides enhance pancreatic beta-cell function and taste sensation by potentiation of TRPM5 channel activity. <i>Nature Communications</i> , 2017, 8, 14733.	12.8	136
96	Development and validation of a fast ionic liquid-based dispersive liquid-liquid microextraction procedure combined with LC-MS/MS analysis for the quantification of benzodiazepines and benzodiazepine-like hypnotics in whole blood. <i>Forensic Science International</i> , 2017, 274, 44-54.	2.2	54
97	Investigating possible biological targets of Bj-CRP, the first cysteine-rich secretory protein (CRISP) isolated from <i>Bothrops jararaca</i> snake venom. <i>Toxicology Letters</i> , 2017, 265, 156-169.	0.8	29
98	Astemizole analogues with reduced hERG inhibition as potent antimalarial compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6332-6344.	3.0	17
99	Design of sodium channel ligands with defined selectivity – a case study in scorpion alpha-toxins. <i>FEBS Letters</i> , 2017, 591, 3414-3420.	2.8	6
100	Clathrocin, hymenidin and oroidin, and their synthetic analogues as inhibitors of the voltage-gated potassium channels. <i>European Journal of Medicinal Chemistry</i> , 2017, 139, 232-241.	5.5	12
101	Differentiation between decomposed remains of human origin and bigger mammals. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2017, 50, 28-35.	1.0	5
102	Toxin biopptides: exploring toxin biological activity and multifunctionality. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 647-661.	5.4	11
103	Expanding the pharmacological profile of Î²-hefutoxin 1 and analogues: A focus on the inhibitory effect on the oncogenic channel Kv10.1. <i>Peptides</i> , 2017, 98, 43-50.	2.4	16
104	Panusin represents a new family of Î²-defensin-like peptides in invertebrates. <i>Developmental and Comparative Immunology</i> , 2017, 67, 310-321.	2.3	21
105	APETx4, a Novel Sea Anemone Toxin and a Modulator of the Cancer-Relevant Potassium Channel KV10.1. <i>Marine Drugs</i> , 2017, 15, 287.	4.6	32
106	Synthesis of novel purpurealidin analogs and evaluation of their effect on the cancer-relevant potassium channel KV10.1. <i>PLoS ONE</i> , 2017, 12, e0188811.	2.5	17
107	Kunitz-Type Peptide HCRG21 from the Sea Anemone <i>Heteractis crispa</i> Is a Full Antagonist of the TRPV1 Receptor. <i>Marine Drugs</i> , 2016, 14, 229.	4.6	48
108	The Kunitz-Type Protein ShPI-1 Inhibits Serine Proteases and Voltage-Gated Potassium Channels. <i>Toxins</i> , 2016, 8, 110.	3.4	38

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109	Novel Conopeptides of Largely Unexplored Indo Pacific Conus sp.. <i>Marine Drugs</i> , 2016, 14, 199.	4.6	13
110	Structural and Functional Elucidation of Peptide Ts11 Shows Evidence of a Novel Subfamily of Scorpion Venom Toxins. <i>Toxins</i> , 2016, 8, 288.	3.4	26
111	tâ€boc synthesis of huwentoxinâ€ through native chemical ligation incorporating a trifluoromethanesulfonic acid cleavage strategy. <i>Biopolymers</i> , 2016, 106, 737-745.	2.4	3
112	Immunosuppressive evidence of <i>Tityus serrulatus</i> toxins Ts6 and Ts15: insights of a novel K ⁺ channel pattern in T cells. <i>Immunology</i> , 2016, 147, 240-250.	4.4	19
113	Fluorescent protein-scorpion toxin chimera is a convenient molecular tool for studies of potassium channels. <i>Scientific Reports</i> , 2016, 6, 33314.	3.3	28
114	Non-disulfide-bridged peptides from <i>Tityus serrulatus</i> venom: Evidence for proline-free ACE-inhibitors. <i>Peptides</i> , 2016, 82, 44-51.	2.4	13
115	Target-Driven Positive Selection at Hot Spots of Scorpion Toxins Uncovers Their Potential in Design of Insecticides. <i>Molecular Biology and Evolution</i> , 2016, 33, 1907-1920.	8.9	26
116	Active Sites of Spinoxin, a Potassium Channel Scorpion Toxin, Elucidated by Systematic Alanine Scanning. <i>Biochemistry</i> , 2016, 55, 2927-2935.	2.5	4
117	Role of individual disulfide bridges in the conformation and activity of spinoxin (\pm -KTx6.13), a potassium channel toxin from <i>Heterometrus spinifer</i> scorpion venom. <i>Toxicon</i> , 2016, 122, 31-38.	1.6	1
118	Gambierol and n-alkanols inhibit Shaker Kv channel via distinct binding sites outside the K ⁺ pore. <i>Toxicon</i> , 2016, 120, 57-60.	1.6	3
119	The use of presumptive color tests for new psychoactive substances. <i>Drug Testing and Analysis</i> , 2016, 8, 136-140.	2.6	40
120	Allosteric binding site in a Cys-loop receptor ligand-binding domain unveiled in the crystal structure of ELIC in complex with chlorpromazine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6696-E6703.	7.1	30
121	In the picture: disulfide-poor conopeptides, a class of pharmacologically interesting compounds. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2016, 22, 30.	1.4	38
122	The antifungal plant defensin AtPDF2.3 from <i>Arabidopsis thaliana</i> blocks potassium channels. <i>Scientific Reports</i> , 2016, 6, 32121.	3.3	31
123	Ts8 scorpion toxin inhibits the Kv4.2 channel and produces nociception in vivo. <i>Toxicon</i> , 2016, 119, 244-252.	1.6	22
124	Consequences of Decontamination Procedures in Forensic Hair Analysis Using Metal-Assisted Secondary Ion Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , 2016, 88, 3091-3097.	6.5	45
125	Voltage-sensor conformation shapes the intra-membrane drug binding site that determines gambierol affinity in Kv channels. <i>Neuropharmacology</i> , 2016, 107, 160-167.	4.1	5
126	Effects of deletion and insertion of amino acids on the activity of HelaTx1, a scorpion toxin on potassium channels. <i>Toxicon</i> , 2016, 111, 1-5.	1.6	2

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127	Differential effects of the recombinant toxin PnTx4(5-5) from the spider <i>Phoneutria nigriventer</i> on mammalian and insect sodium channels. <i>Biochimie</i> , 2016, 121, 326-335.	2.6	24
128	Isolation and characterization of Ts19 Fragment II, a new long-chain potassium channel toxin from <i>Tityus serrulatus</i> venom. <i>Peptides</i> , 2016, 80, 9-17.	2.4	24
129	Kbot55, purified from <i>Buthus occitanus tunetanus</i> venom, represents the first member of a novel $\hat{I}\pm$ -KTx subfamily. <i>Peptides</i> , 2016, 80, 4-8.	2.4	7
130	Preparation of longitudinal sections of hair samples for the analysis of cocaine by MALDI-MS/MS and TOF-MS imaging. <i>Drug Testing and Analysis</i> , 2015, 7, 859-865.	2.6	48
131	Revealing the Function and the Structural Model of Ts4: Insights into the "Non-Toxic" Toxin from <i>Tityus serrulatus</i> Venom. <i>Toxins</i> , 2015, 7, 2534-2550.	3.4	23
132	Characterization of Kbot21 Reveals Novel Side Chain Interactions of Scorpion Toxins Inhibiting Voltage-Gated Potassium Channels. <i>PLoS ONE</i> , 2015, 10, e0137611.	2.5	7
133	Application of the Characteristic Function to Evaluate and Compare Analytical Variability in an External Quality Assessment Scheme for Serum Ethanol. <i>Clinical Chemistry</i> , 2015, 61, 948-954.	3.2	9
134	Electrophysiological characterization of the first <i>Tityus serrulatus</i> alpha-like toxin, Ts5: Evidence of a pro-inflammatory toxin on macrophages. <i>Biochimie</i> , 2015, 115, 8-16.	2.6	26
135	Synthesis and biological evaluation of piperazine derivatives as novel isoform selective voltage-gated sodium (Nav) 1.3 channel modulators. <i>Medicinal Chemistry Research</i> , 2015, 24, 2366-2380.	2.4	2
136	PnPP-19, a Synthetic and Nontoxic Peptide Designed from a <i>Phoneutria nigriventer</i> Toxin, Potentiates Erectile Function via NO/cGMP. <i>Journal of Urology</i> , 2015, 194, 1481-1490.	0.4	37
137	Variability of Potassium Channel Blockers in <i>Mesobuthus eupeus</i> Scorpion Venom with Focus on Kv1.1. <i>Journal of Biological Chemistry</i> , 2015, 290, 12195-12209.	3.4	44
138	Transcriptomic approach reveals the molecular diversity of <i>Hottentotta conspersus</i> (Buthidae) venom. <i>Toxicon</i> , 2015, 99, 73-79.	1.6	13
139	A gamut of undiscovered electrophysiological effects produced by <i>Tityus serrulatus</i> toxin 1 on NaV-type isoforms. <i>Neuropharmacology</i> , 2015, 95, 269-277.	4.1	34
140	Structure of Membrane-active Toxin from Crab Spider <i>Heriades melloteei</i> Suggests Parallel Evolution of Sodium Channel Gating Modifiers in Araneomorphae and Mygalomorphae. <i>Journal of Biological Chemistry</i> , 2015, 290, 492-504.	3.4	18
141	Structure of the SthK Carboxy-Terminal Region Reveals a Gating Mechanism for Cyclic Nucleotide-Modulated Ion Channels. <i>PLoS ONE</i> , 2015, 10, e0116369.	2.5	31
142	Action of Clathrocin and Analogues on Voltage-Gated Sodium Channels. <i>Marine Drugs</i> , 2014, 12, 2132-2143.	4.6	9
143	Conotoxins Targeting Nicotinic Acetylcholine Receptors: An Overview. <i>Marine Drugs</i> , 2014, 12, 2970-3004.	4.6	137
144	Serrumab: A novel human single chain-fragment antibody with multiple scorpion toxin-neutralizing capacities. <i>Journal of Immunotoxicology</i> , 2014, 11, 133-140.	1.7	22

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145	Î±-Conotoxins Synthesized Using an Acid-cleavable Solubility Tag Approach Reveal Key Structural Determinants for NaV Subtype Selectivity. <i>Journal of Biological Chemistry</i> , 2014, 289, 35341-35350.	3.4	16
146	Electrophysiological Characterization of Ts6 and Ts7, K ⁺ Channel Toxins Isolated through an Improved <i>Tityus serrulatus</i> Venom Purification Procedure. <i>Toxins</i> , 2014, 6, 892-913.	3.4	38
147	Macrophage alteration induced by inflammatory toxins isolated from <i>Tityus discrepans</i> scorpion venom. The role of Na ⁺ /Ca ²⁺ exchangers. <i>Toxicon</i> , 2014, 82, 61-75.	1.6	15
148	Substituted 4-phenyl-2-aminoimidazoles and 4-phenyl-4,5-dihydro-2-aminoimidazoles as voltage-gated sodium channel modulators. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 23-30.	5.5	13
149	Partial transcriptomic profiling of toxins from the venom gland of the scorpion <i>Parabuthus stridulus</i> . <i>Toxicon</i> , 2014, 83, 75-83.	1.6	12
150	Structural Similarity between Defense Peptide from Wheat and Scorpion Neurotoxin Permits Rational Functional Design. <i>Journal of Biological Chemistry</i> , 2014, 289, 14331-14340.	3.4	33
151	Structure-Function Elucidation of a New Î±-Conotoxin, Lo1a, from <i>Conus longurionis</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 9573-9583.	3.4	21
152	Experimental Conversion of a Defensin into a Neurotoxin: Implications for Origin of Toxic Function. <i>Molecular Biology and Evolution</i> , 2014, 31, 546-559.	8.9	62
153	Discovery of a new subclass of Î±-conotoxins in the venom of <i>Conus australis</i> . <i>Toxicon</i> , 2014, 91, 145-154.	1.6	25
154	The Mediterranean scorpion <i>Mesobuthus gibbosus</i> (Scorpiones, Buthidae): transcriptome analysis and organization of the genome encoding chlorotoxin-like peptides. <i>BMC Genomics</i> , 2014, 15, 295.	2.8	24
155	Ala-7, His-10 and Arg-12 are crucial amino acids for activity of a synthetically engineered Î¼-conotoxin. <i>Peptides</i> , 2014, 53, 300-306.	2.4	3
156	Pharmacological Properties of Cinnamaldehyde on NaChBac. <i>Biophysical Journal</i> , 2014, 106, 132a.	0.5	0
157	Antiprotozoan lead discovery by aligning dry and wet screening: Prediction, synthesis, and biological assay of novel quinoxalinones. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1568-1585.	3.0	11
158	A novel sea anemone peptide that inhibits acid-sensing ion channels. <i>Peptides</i> , 2014, 53, 3-12.	2.4	54
159	The Mechanism of Action of Microalgal Toxins Interacting with NaV and KV Channels. , 2014, , 3-34.		0
160	Bcs<sc>T</sc>x3 is a founder of a novel sea anemone toxin family of potassium channel blocker. <i>FEBS Journal</i> , 2013, 280, 4839-4852.	4.7	35
161	Unraveling the peptidome of the South African cone snails <i>Conus pictus</i> and <i>Conus natalis</i> . <i>Peptides</i> , 2013, 41, 8-16.	2.4	8
162	Ligand- and Structure-Based Virtual Screening for Clathrodin-Derived Human Voltage-Gated Sodium Channel Modulators. <i>Journal of Chemical Information and Modeling</i> , 2013, 53, 3223-3232.	5.4	13

#	ARTICLE	IF	CITATIONS
163	Modular Organization of $\hat{\iota}$ -Toxins from Scorpion Venom Mirrors Domain Structure of Their Targets, Sodium Channels. <i>Journal of Biological Chemistry</i> , 2013, 288, 19014-19027.	3.4	31
164	Biochemical and Electrophysiological Characterization of Two Sea Anemone Type 1 Potassium Toxins from a Geographically Distant Population of <i>Bunodosoma caissarum</i> . <i>Marine Drugs</i> , 2013, 11, 655-679.	4.6	32
165	Novel potassium channel blocker venom peptides from <i>Mesobuthus gibbosus</i> (Scorpiones: Buthidae). <i>Toxicon</i> , 2013, 61, 72-82.	1.6	22
166	Cardiac channelopathy causing sudden death as revealed by molecular autopsy. <i>International Journal of Legal Medicine</i> , 2013, 127, 145-151.	2.2	26
167	Two recombinant $\hat{\iota}$ -like scorpion toxins from <i>Mesobuthus eupeus</i> with differential affinity toward insect and mammalian Na ⁺ channels. <i>Biochimie</i> , 2013, 95, 1732-1740.	2.6	22
168	A $\hat{\iota}$ -convenomic™ analysis of the milked venom from the mollusk-hunting cone snail <i>Conus textile</i> ™ The pharmacological importance of post-translational modifications. <i>Peptides</i> , 2013, 49, 145-158.	2.4	14
169	Block of a subset of sodium channels exacerbates experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2013, 261, 21-28.	2.3	11
170	Chronic Administration of Anticholinergics in Rats Induces a Shift from Muscarinic to Purinergic Transmission in the Bladder Wall. <i>European Urology</i> , 2013, 64, 502-510.	1.9	22
171	The proteomic profile of <i>Stichodactyla duerdeni</i> secretion reveals the presence of a novel O-linked glycopeptide. <i>Journal of Proteomics</i> , 2013, 87, 89-102.	2.4	23
172	Synthesis and characterization of amino acid deletion analogs of $\hat{\iota}$ -hefutoxin 1, a scorpion toxin on potassium channels. <i>Toxicon</i> , 2013, 71, 25-30.	1.6	14
173	Venomous Secretions from Marine Snails of the Terebridae Family Target Acetylcholine Receptors. <i>Toxins</i> , 2013, 5, 1043-1050.	3.4	13
174	The ladder-shaped polyether toxin gambierol anchors the gating machinery of Kv3.1 channels in the resting state. <i>Journal of General Physiology</i> , 2013, 141, 359-369.	1.9	24
175	Multiple actions of $\hat{\iota}$ -LITX-Lw1a on ryanodine receptors reveal a functional link between scorpion DDH and ICK toxins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8906-8911.	7.1	35
176	Multisite Binding of a General Anesthetic to the Prokaryotic Pentameric <i>Erwinia chrysanthemi</i> Ligand-gated Ion Channel (ELIC). <i>Journal of Biological Chemistry</i> , 2013, 288, 8355-8364.	3.4	90
177	Crotamine Pharmacology Revisited: Novel Insights Based on the Inhibition of K _v Channels. <i>Molecular Pharmacology</i> , 2012, 82, 90-96.	2.3	59
178	Design of Bioactive Peptides from Naturally Occurring $\hat{\iota}$ -Conotoxin Structures. <i>Journal of Biological Chemistry</i> , 2012, 287, 31382-31392.	3.4	30
179	Atypical Reactive Center Kunitz-Type Inhibitor from the Sea Anemone <i>Heteractis crispa</i> . <i>Marine Drugs</i> , 2012, 10, 1545-1565.	4.6	22
180	Pc16a, the first characterized peptide from <i>Conus pictus</i> venom, shows a novel disulfide connectivity. <i>Peptides</i> , 2012, 34, 106-113.	2.4	13

#	ARTICLE	IF	CITATIONS
181	A novel μ -conopeptide, CnIIIC, exerts potent and preferential inhibition of Na ^V 1.2/1.4 channels and blocks neuronal nicotinic acetylcholine receptors. <i>British Journal of Pharmacology</i> , 2012, 166, 1654-1668.	5.4	55
182	A natural point mutation changes both target selectivity and mechanism of action of sea anemone toxins. <i>FASEB Journal</i> , 2012, 26, 5141-5151.	0.5	72
183	The evaluation of the applicability of a high pH mobile phase in ultrahigh performance liquid chromatography tandem mass spectrometry analysis of benzodiazepines and benzodiazepine-like hypnotics in urine and blood. <i>Journal of Chromatography A</i> , 2012, 1249, 147-154.	3.7	57
184	Subtype specificity interaction of bactridines with mammalian, insect and bacterial sodium channels under voltage clamp conditions. <i>FEBS Journal</i> , 2012, 279, 4025-4038.	4.7	26
185	Inhibitory effect of the recombinant <i>Phoneutria nigriventer</i> Tx1 toxin on voltage-gated sodium channels. <i>Biochimie</i> , 2012, 94, 2756-2763.	2.6	23
186	Crotamine Toxicity Revisited: Novel Insights Based on KV Channel Inhibition. <i>Biophysical Journal</i> , 2012, 102, 658a.	0.5	0
187	Molecular diversity of the telson and venom components from <i>Pandinus cavimanus</i> (<i>Scorpionidae</i> Latreille 1802): Transcriptome, venomics and function. <i>Proteomics</i> , 2012, 12, 313-328.	2.2	59
188	Evolutionary Diversification of <i>Mesobuthus</i> $\hat{\pm}$ -Scorpion Toxins Affecting Sodium Channels. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.012054.	3.8	53
189	Development and validation of a sensitive UPLC-MS/MS method for the analysis of narcotic analgesics in urine and whole blood in forensic context. <i>Forensic Science International</i> , 2012, 215, 136-145.	2.2	32
190	Purification, molecular cloning and functional characterization of HelaTx1 (<i>Heterometrus laoticus</i>): The first member of a new $\hat{\pm}$ -KTX subfamily. <i>Biochemical Pharmacology</i> , 2012, 83, 1307-1317.	4.4	32
191	Investigation of the relationship between the structure and function of Ts2, a neurotoxin from <i>Tityus serrulatus</i> venom. <i>FEBS Journal</i> , 2012, 279, 1495-1504.	4.7	38
192	Molecular Diversity and Functional Evolution of Scorpion Potassium Channel Toxins. <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S11.	3.8	56
193	Purification and characterization of Ts15, the first member of a new $\hat{\pm}$ -KTX subfamily from the venom of the Brazilian scorpion <i>Tityus serrulatus</i> . <i>Toxicon</i> , 2011, 58, 54-61.	1.6	33
194	Neurotoxins and Their Binding Areas on Voltage-Gated Sodium Channels. <i>Frontiers in Pharmacology</i> , 2011, 2, 71.	3.5	215
195	The new kappa-KTx 2.5 from the scorpion <i>Opisthacanthus cayaporum</i> . <i>Peptides</i> , 2011, 32, 1509-1517.	2.4	32
196	Importance of position 8 in $\hat{\pm}$ -conotoxin KIIIA for voltage-gated sodium channel selectivity. <i>FEBS Journal</i> , 2011, 278, 3408-3418.	4.7	36
197	A bifunctional sea anemone peptide with Kunitz type protease and potassium channel inhibiting properties. <i>Biochemical Pharmacology</i> , 2011, 82, 81-90.	4.4	93
198	Molecular divergence of two orthologous scorpion toxins affecting potassium channels. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2011, 159, 313-321.	1.8	19

#	ARTICLE	IF	CITATIONS
199	Crystal Structures of a Cysteine-modified Mutant in Loop D of Acetylcholine-binding Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 4420-4428.	3.4	46
200	TRPV1 Channel as New Target for Marine Toxins: Example of Gigantoxin I, a Sea Anemone Toxin Acting Via Modulation of the PLA2 Pathway. <i>Acta Chimica Slovenica</i> , 2011, 58, 735-41.	0.6	10
201	Venom components from <i>Citharischius crawshayi</i> spider (Family Theraphosidae): exploring transcriptome, venomics, and function. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 2799-2813.	5.4	39
202	Drosotoxin, a selective inhibitor of tetrodotoxin-resistant sodium channels. <i>Biochemical Pharmacology</i> , 2010, 80, 1296-1302.	4.4	20
203	Recycling rechargeable lithium ion batteries: Critical analysis of natural resource savings. <i>Resources, Conservation and Recycling</i> , 2010, 54, 229-234.	10.8	278
204	Development and validation of a sensitive ultra performance liquid chromatography tandem mass spectrometry method for the analysis of fentanyl and its major metabolite norfentanyl in urine and whole blood in forensic context. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1987-1996.	2.3	37
205	MeuTXK ¹²¹ , a scorpion venom-derived two-domain potassium channel toxin-like peptide with cytolytic activity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 872-883.	2.3	49
206	Voltage-gated sodium channel isoform-specific effects of pompilidotoxins. <i>FEBS Journal</i> , 2010, 277, 918-930.	4.7	27
207	Phyla- and Subtype-Selectivity of CgNa, a Na ⁺ Channel Toxin from the Venom of the Giant Caribbean Sea Anemone <i>Condylactis Gigantea</i> . <i>Frontiers in Pharmacology</i> , 2010, 1, 133.	3.5	13
208	Two recombinant depressant scorpion neurotoxins differentially affecting mammalian sodium channels. <i>Toxicon</i> , 2010, 55, 1425-1433.	1.6	6
209	Isolation and characterization of two novel scorpion toxins: The $\hat{\iota}$ -toxin-like Cell8, specific for Nav1.7 channels and the classical anti-mammalian Cell9, specific for Nav1.4 channels. <i>Toxicon</i> , 2010, 56, 613-623.	1.6	22
210	A potent potassium channel blocker from <i>Mesobuthus eupeus</i> scorpion venom. <i>Biochimie</i> , 2010, 92, 1847-1853.	2.6	32
211	Unique Bell-shaped Voltage-dependent Modulation of Na ⁺ Channel Gating by Novel Insect-selective Toxins from the Spider <i>Agelena orientalis</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 18545-18554.	3.4	31
212	A polyether biotoxin binding site on the lipid-exposed face of the pore domain of Kv channels revealed by the marine toxin gambierol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9896-9901.	7.1	52
213	Insecticidal peptides from the therapsid spider <i>Brachypelma albiceps</i> : An NMR-based model of Ba2. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1190-1196.	2.3	32
214	Synthesis, Solution Structure, and Phylum Selectivity of a Spider $\hat{\iota}$ -Toxin That Slows Inactivation of Specific Voltage-gated Sodium Channel Subtypes. <i>Journal of Biological Chemistry</i> , 2009, 284, 24568-24582.	3.4	32
215	Cytolytic and K ⁺ channel blocking activities of $\hat{\iota}$ -KTx and scorpine-like peptides purified from scorpion venoms. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 187-200.	5.4	88
216	A common "hot spot" confers hERG blockade activity to $\hat{\iota}$ -scorpion toxins affecting K ⁺ channels. <i>Biochemical Pharmacology</i> , 2008, 76, 805-815.	4.4	24

#	ARTICLE	IF	CITATIONS
217	Two novel sodium channel inhibitors from <i>Heriades melloteei</i> spider venom differentially interacting with mammalian channel's isoforms. <i>Toxicon</i> , 2008, 52, 309-317.	1.6	13
218	Biochemical characterization of cysteine-rich peptides from <i>Oxyopes</i> sp. venom that block calcium ion channels. <i>Toxicon</i> , 2008, 52, 228-236.	1.6	17
219	An insecticidal peptide from the therapsid <i>Brachypelma smithi</i> spider venom reveals common molecular features among spider species from different genera. <i>Peptides</i> , 2008, 29, 1901-1908.	2.4	27
220	Modulation of voltage-gated Na ⁺ and K ⁺ channels by pumiliotoxin 251D: A "joint venture" alkaloid from arthropods and amphibians. <i>Toxicon</i> , 2008, 51, 334-344.	1.6	19
221	Gambierol, a toxin produced by the dinoflagellate <i>Gambierdiscus toxicus</i> , is a potent blocker of voltage-gated potassium channels. <i>Toxicon</i> , 2008, 51, 974-983.	1.6	83
222	Odk2, a Kv1.3 channel-selective toxin from the venom of the Iranian scorpion <i>Odonthobuthus doriae</i> . <i>Toxicon</i> , 2008, 51, 1424-1430.	1.6	31
223	A new Kaliotoxin selective towards Kv1.3 and Kv1.2 but not Kv1.1 channels expressed in oocytes. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 525-530.	2.1	32
224	Animal Peptides Targeting Voltage-Activated Sodium Channels. <i>Current Pharmaceutical Design</i> , 2008, 14, 2492-2502.	1.9	74
225	Solution Structure and Alanine Scan of a Spider Toxin That Affects the Activation of Mammalian Voltage-gated Sodium Channels. <i>Journal of Biological Chemistry</i> , 2007, 282, 4643-4652.	3.4	33
226	Voltage-gated sodium channel modulation by scorpion $\hat{\pm}$ -toxins. <i>Toxicon</i> , 2007, 49, 142-158.	1.6	159
227	The differential preference of scorpion $\hat{\pm}$ -toxins for insect or mammalian sodium channels: Implications for improved insect control. <i>Toxicon</i> , 2007, 49, 452-472.	1.6	109
228	Sea anemone venom as a source of insecticidal peptides acting on voltage-gated Na ⁺ channels. <i>Toxicon</i> , 2007, 49, 550-560.	1.6	90
229	TRPV1 as a key determinant in ciguatera and neurotoxic shellfish poisoning. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 214-217.	2.1	50
230	Corrigendum to "Jellyfish and other cnidarian envenomations cause pain by affecting TRPV1 channels" [FEBS Lett. 580 (2006) 5728-5732]. <i>FEBS Letters</i> , 2007, 581, 1699-1699.	2.8	0
231	Differential effects of five "classical" scorpion $\hat{2}$ -toxins on rNav1.2a and DmNav1 provide clues on species-selectivity. <i>Toxicology and Applied Pharmacology</i> , 2007, 218, 45-51.	2.8	33
232	Jellyfish and other cnidarian envenomations cause pain by affecting TRPV1 channels. <i>FEBS Letters</i> , 2006, 580, 5728-5732.	2.8	72
233	The first potassium channel toxin from the venom of the Iranian scorpion <i>Odonthobuthus doriae</i> . <i>FEBS Letters</i> , 2006, 580, 6254-6258.	2.8	26
234	A novel toxin from the venom of the scorpion <i>Tityus trivittatus</i> , is the first member of a new $\hat{\pm}$ -KTX subfamily. <i>FEBS Letters</i> , 2006, 580, 592-596.	2.8	28

#	ARTICLE	IF	CITATIONS
235	Four Novel Tarantula Toxins as Selective Modulators of Voltage-Gated Sodium Channel Subtypes. <i>Molecular Pharmacology</i> , 2006, 69, 419-429.	2.3	141
236	Potent Modulation of the Voltage-Gated Sodium Channel Nav1.7 by OD1, a Toxin from the Scorpion <i>Odonthobuthus doriae</i> . <i>Molecular Pharmacology</i> , 2006, 70, 405-414.	2.3	82
237	An unusual fold for potassium channel blockers: NMR structure of three toxins from the scorpion <i>Opisthacanthus madagascariensis</i> . <i>Biochemical Journal</i> , 2005, 388, 263-271.	3.7	73
238	Jingzhaotoxin-I, a Novel Spider Neurotoxin Preferentially Inhibiting Cardiac Sodium Channel Inactivation. <i>Journal of Biological Chemistry</i> , 2005, 280, 12069-12076.	3.4	63
239	Pharmacological Comparison of Two Different Insect Models Using the Scorpion α -Like Toxin BmK M1 from <i>Buthus martensii</i> Karsch. <i>Protein and Peptide Letters</i> , 2005, 12, 363-367.	0.9	8
240	Molecular basis of the mammalian potency of the scorpion α -like toxin, BmK M1. <i>FASEB Journal</i> , 2005, 19, 1-24.	0.5	35
241	Assignment of voltage-gated potassium channel blocking activity to β -KTx1.3, a non-toxic homologue of β -hefutoxin-1, from <i>Heterometrus spinifer</i> venom. <i>Biochemical Pharmacology</i> , 2005, 69, 669-678.	4.4	33
242	Structural Basis for the Voltage-gated Na ⁺ Channel Selectivity of the Scorpion α -Like Toxin BmK M1. <i>Journal of Molecular Biology</i> , 2005, 353, 788-803.	4.2	36
243	Bj α IT: a novel scorpion α -toxin selective for insectsâ€™ unique pharmacological tool. <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 187-195.	2.7	35
244	New α -Birtoxin analogsâ€™ from <i>Androctonus australis</i> venom. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 524-530.	2.1	23
245	OD1, the first toxin isolated from the venom of the scorpion <i>Odonthobuthus doriae</i> active on voltage-gated Na ⁺ channels. <i>FEBS Letters</i> , 2005, 579, 4181-4186.	2.8	52
246	The depressant scorpion neurotoxin LqqIT2 selectively modulates the insect voltage-gated sodium channel. <i>Toxicon</i> , 2005, 45, 501-507.	1.6	30
247	Differential ion current activation by human 5-HT1A receptors in <i>Xenopus</i> oocytes: Evidence for agonist-directed trafficking of receptor signalling. <i>Neuropharmacology</i> , 2005, 49, 963-976.	4.1	21
248	BmBKTx1, a Novel Ca ²⁺ -activated K ⁺ Channel Blocker Purified from the Asian Scorpion <i>Buthus martensii</i> Karsch. <i>Journal of Biological Chemistry</i> , 2004, 279, 34562-34569.	3.4	37
249	Evolutionary epitopes of Hsp90 and p23: implications for their interaction. <i>FASEB Journal</i> , 2004, 18, 940-947.	0.5	30
250	Phaiodotoxin, a novel structural class of insect-toxin isolated from the venom of the Mexican scorpion <i>Anuroctonus phaiodactylus</i> . <i>FEBS Journal</i> , 2004, 271, 4753-4761.	0.2	27
251	Synthesis and electrophysiological characterization of cyclic morphiceptin analogues. <i>Biochemical Pharmacology</i> , 2004, 67, 1887-1895.	4.4	3
252	Adaptive Evolution of Scorpion Sodium Channel Toxins. <i>Journal of Molecular Evolution</i> , 2004, 58, 145-153.	1.8	95

#	ARTICLE	IF	CITATIONS
253	Exploring structural features of the interaction between the scorpion toxin CnErg1 and ERG K ⁺ channels. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 56, 367-375.	2.6	27
254	Structure-function study of a chlorotoxin-chimer and its activity on Kv1.3 channels. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 803, 67-73.	2.3	11
255	A neolignan-type impurity arising from the peracid oxidation reaction of anethole in the surreptitious synthesis of 4-methoxyamphetamine (PMA). <i>Forensic Science International</i> , 2004, 143, 133-139.	2.2	7
256	A Subfamily of Acidic $\hat{\pm}$ -K ⁺ Toxins. <i>Journal of Biological Chemistry</i> , 2004, 279, 2781-2789.	3.4	24
257	The poison Dart frog's batrachotoxin modulates Nav1.8. <i>FEBS Letters</i> , 2004, 577, 245-248.	2.8	29
258	Toxins and potassium channels. <i>Toxicon</i> , 2004, 43, 863.	1.6	3
259	Novel conopeptides of the I-superfamily occur in several clades of cone snails. <i>Toxicon</i> , 2004, 44, 539-548.	1.6	29
260	BmTx3, a scorpion toxin with two putative functional faces separately active on A-type K ⁺ and HERG currents. <i>Biochemical Journal</i> , 2004, 378, 745-752.	3.7	48
261	Evidence for a function-specific mutation in the neurotoxin, parabutoxin-3. <i>European Journal of Neuroscience</i> , 2003, 17, 1786-1792.	2.6	9
262	Evolutionary trace analysis of scorpion toxins specific for K-channels. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 54, 361-370.	2.6	35
263	Anise oil as para-methoxyamphetamine (PMA) precursor. <i>Forensic Science International</i> , 2003, 133, 159-170.	2.2	16
264	Characterization of Amm VIII from <i>Androctonus mauretanicus mauretanicus</i> : a new scorpion toxin that discriminates between neuronal and skeletal sodium channels. <i>Biochemical Journal</i> , 2003, 375, 551-560.	3.7	46
265	Evolutionary origin of inhibitor cystine knot peptides. <i>FASEB Journal</i> , 2003, 17, 1765-1767.	0.5	140
266	Antimicrobial peptides from scorpion venom induce Ca ²⁺ signaling in HL-60 cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 311, 90-97.	2.1	19
267	Function and solution structure of hainantoxin-I, a novel insect sodium channel inhibitor from the Chinese bird spider <i>Selenocosmia hainana</i> 1. <i>FEBS Letters</i> , 2003, 555, 616-622.	2.8	75
268	A novel conotoxin inhibiting vertebrate voltage-sensitive potassium channels. <i>Toxicon</i> , 2003, 42, 43-52.	1.6	56
269	Turret and pore block of K ⁺ channels: what is the difference?. <i>Trends in Pharmacological Sciences</i> , 2003, 24, 446-448.	8.7	40
270	Importance of the Conserved Aromatic Residues in the Scorpion $\hat{\pm}$ -Like Toxin BmK M1. <i>Journal of Biological Chemistry</i> , 2003, 278, 24125-24131.	3.4	52

#	ARTICLE	IF	CITATIONS
271	Serine 329 of the μ -Opioid Receptor Interacts Differently with Agonists. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 304, 924-930.	2.5	9
272	A Novel Conotoxin from <i>Conus betulinus</i> , β -BtX, Unique in Cysteine Pattern and in Function as a Specific BK Channel Modulator. <i>Journal of Biological Chemistry</i> , 2003, 278, 12624-12633.	3.4	71
273	Drug- and mutagenesis-induced changes in the selectivity filter of a cardiac two-pore background K channel. <i>Cardiovascular Research</i> , 2003, 58, 46-54.	3.8	12
274	β -Hefutoxin1, a Novel Toxin from the Scorpion <i>Heterometrus fulvipes</i> with Unique Structure and Function. <i>Journal of Biological Chemistry</i> , 2002, 277, 30040-30047.	3.4	130
275	Two new scorpion toxins that target voltage-gated Ca ²⁺ and Na ⁺ channels. <i>Biochemical and Biophysical Research Communications</i> , 2002, 299, 562-568.	2.1	57
276	The sea anemone <i>Bunodosoma granulifera</i> contains surprisingly efficacious and potent insect-selective toxins. <i>FEBS Letters</i> , 2002, 532, 131-134.	2.8	42
277	An overview of toxins and genes from the venom of the Asian scorpion <i>Buthus martensi</i> Karsch. <i>Toxicon</i> , 2002, 40, 1239-1258.	1.6	250
278	Purification, characterization and biosynthesis of parabutoxin β 3, a component of <i>Parabuthus transvaalicus</i> venom. <i>FEBS Journal</i> , 2002, 269, 1854-1865.	0.2	26
279	Characterization of scorpion δ -like toxin group using two new toxins from the scorpion <i>Leiurus quinquestriatus hebraeus</i> . <i>FEBS Journal</i> , 2002, 269, 3920-3933.	0.2	25
280	Antibacterial and antifungal properties of δ -helical, cationic peptides in the venom of scorpions from southern Africa. <i>FEBS Journal</i> , 2002, 269, 4799-4810.	0.2	157
281	Determination of species-specific components in the venom of <i>Parabuthus</i> scorpions from southern Africa using matrix-assisted laser desorption time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 768-773.	1.5	41
282	Osk2, a New Selective Inhibitor of Kv1.2 Potassium Channels Purified from the Venom of the Scorpion <i>Orthochirus scrobiculosus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 841-847.	2.1	34
283	New polypeptide components purified from mamba venom. <i>FEBS Letters</i> , 2001, 491, 217-221.	2.8	12
284	Electrophysiological characterization of Bm K M1, an δ -like toxin from <i>Buthus martensi</i> Karsch venom. <i>FEBS Letters</i> , 2001, 495, 61-65.	2.8	29
285	The role of the hydrophilic Asn230 residue of the μ -opioid receptor in the potency of various opioid agonists. <i>British Journal of Pharmacology</i> , 2001, 134, 496-506.	5.4	16
286	Characterization of two <i>Bunodosoma granulifera</i> toxins active on cardiac sodium channels. <i>British Journal of Pharmacology</i> , 2001, 134, 1195-1206.	5.4	29
287	Morphine-6 β -glucuronide and morphine-3-glucuronide, opioid receptor agonists with different potencies Abbreviations: M3G, morphine-3-glucuronide; M6G, morphine-6 β -glucuronide; MOR, μ -opioid receptor; KOR, κ -opioid receptor; DOR, δ -opioid receptor; GIRK channel, G-protein coupled inwardly rectifying K ⁺ channel; RGS, regulator of G-protein signaling; GAP, GTPase-activating protein; TM, transmembrane domain, and HK, high potassium. <i>Biochemical Pharmacology</i> , 2001, 62, 1273-1282.	4.4	45
288	Functional Heteromerization of HCN1 and HCN2 Pacemaker Channels. <i>Journal of Biological Chemistry</i> , 2001, 276, 6069-6072.	3.4	188

#	ARTICLE	IF	CITATIONS
289	Chlorotoxin does not inhibit volume-regulated, calcium-activated and cyclic AMP-activated chloride channels. <i>British Journal of Pharmacology</i> , 2000, 129, 791-801.	5.4	39
290	Changes in GIRK1/GIRK2 deactivation kinetics and basal activity in the presence and absence of RGS4. <i>Life Sciences</i> , 2000, 67, 2305-2317.	4.3	21
291	Redox state dependency of HERG S631C channel pharmacology: relation to C-type inactivation. <i>FEBS Letters</i> , 2000, 474, 111-115.	2.8	8
292	Norpropoxyphene-induced cardiotoxicity is associated with changes in ion-selectivity and gating of HERG currents. <i>Cardiovascular Research</i> , 1999, 44, 568-578.	3.8	35
293	Scorpion toxins specific for Na ⁺ channels. <i>FEBS Journal</i> , 1999, 264, 287-300.	0.2	597
294	The dual modulation of GIRK1/GIRK2 channels by opioid receptor ligands. <i>European Journal of Pharmacology</i> , 1999, 385, 239-245.	3.5	27
295	A unified nomenclature for short-chain peptides isolated from scorpion venoms: Î±-KTx molecular subfamilies. <i>Trends in Pharmacological Sciences</i> , 1999, 20, 444-447.	8.7	361
296	Comparison and characterization of the venoms of three <i>Parabuthus</i> scorpion species occurring in southern Africa. <i>Toxicon</i> , 1998, 36, 341-352.	1.6	27
297	Purification and partial characterization of a 'short' insectotoxin-like peptide from the venom of the scorpion <i>Parabuthus schlechteri</i> . <i>FEBS Letters</i> , 1998, 441, 387-391.	2.8	36
298	Expression of Human pICln and ClC-6 in <i>Xenopus</i> Oocytes Induces an Identical Endogenous Chloride Conductance. <i>Journal of Biological Chemistry</i> , 1997, 272, 3615-3621.	3.4	84
299	Detection of 2-Amino-5-Chloropyridine in Urine as a Parameter of Zopiclone (Imovane®) Intake using HPLC with Diode Array Detection. <i>Journal of Analytical Toxicology</i> , 1997, 21, 208-212.	2.8	20
300	Effect of lanthanum on voltage-dependent gating of a cloned mammalian neuronal potassium channel. <i>Brain Research</i> , 1997, 749, 232-237.	2.2	16
301	An improved fractionation and fast screening method for the identification of new and selective neurotoxins. <i>Neuroscience Research</i> , 1996, 24, 201-206.	1.9	11
302	Development of a stereospecific radioimmunoassay for the analysis of zopiclone and metabolites in urine. <i>Clinica Chimica Acta</i> , 1996, 253, 103-115.	1.1	11
303	Do voltage-gated Kv1.1 and inward rectifier Kir2.1 potassium channels form heteromultimers?. <i>FEBS Letters</i> , 1996, 390, 280-284.	2.8	11
304	Fast protein liquid chromatography for the purification of animal venoms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996, 14, 1163-1167.	2.8	1
305	The Î±-Dendrotoxin Footprint on a Mammalian Potassium Channel. <i>Journal of Biological Chemistry</i> , 1995, 270, 24776-24781.	3.4	61
306	Subunit stoichiometry of a mammalian K ⁺ channel determined by construction of multimeric cDNAs. <i>Neuron</i> , 1992, 9, 861-871.	8.1	1,063

#	ARTICLE	IF	CITATIONS
307	Evidence for cooperative interactions in potassium channel gating. <i>Nature</i> , 1992, 359, 420-423.	27.8	142
308	Flunarizine inhibits a high-threshold inactivating calcium channel (N-type) in isolated hippocampal neurons. <i>Brain Research</i> , 1991, 549, 112-117.	2.2	53