

Jan Tytgat

List of Publications by Year in descending order

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308
papers

11,394
citations

44444

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53065

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313
all docs

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docs citations

313
times ranked

8564
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.	5.0	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.	1.7	3
3	In Silico and In Vitro Structure-Activity Relationship of Mastoparan and Its Analogs. <i>Molecules</i> , 2022, 27, 561.	1.7	7
4	Review: HCN Channels in the Heart. <i>Current Cardiology Reviews</i> , 2022, 18, .	0.6	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.	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. <i>Marine Drugs</i> , 2022, 20, 147.	2.2	6
7	Adaptively evolved human oral actinomyces-sourced defensins show therapeutic potential. <i>EMBO Molecular Medicine</i> , 2022, 14, e14499.	3.3	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.	1.7	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.	1.8	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.	1.7	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.	1.4	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.	1.5	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.	1.8	1
14	Scorpion toxin MeuNaTx1 sensitizes primary nociceptors by selective modulation of voltage-gated sodium channels. <i>FEBS Journal</i> , 2021, 288, 2418-2435.	2.2	5
15	Small cyclic sodium channel inhibitors. <i>Biochemical Pharmacology</i> , 2021, 183, 114291.	2.0	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.	0.2	4
17	New Insectotoxin from <i>Tibellus Oblongus</i> Spider Venom Presents Novel Adaptation of ICK Fold. <i>Toxins</i> , 2021, 13, 29.	1.5	7
18	Sea Anemone Kunitz-Type Peptides Demonstrate Neuroprotective Activity in the 6-Hydroxydopamine Induced Neurotoxicity Model. <i>Biomedicines</i> , 2021, 9, 283.	1.4	13

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19	3D Pharmacophore-Based Discovery of Novel KV10.1 Inhibitors with Antiproliferative Activity. <i>Cancers</i> , 2021, 13, 1244.	1.7	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.	0.9	4
21	Neurotoxic and convulsant effects induced by jack bean ureases on the mammalian nervous system. <i>Toxicology</i> , 2021, 454, 152737.	2.0	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.	1.4	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.	5.0	23
24	Potassium channel blocker crafted by $\hat{\pm}$ -hairpinin scaffold engineering. <i>Biophysical Journal</i> , 2021, 120, 2471-2481.	0.2	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.	2.5	3
26	Isolation and characterization of FMRamide-like peptides in the venoms of solitary sphecid wasps. <i>Peptides</i> , 2021, 142, 170575.	1.2	3
27	Functional Characterization of the Nemertide $\hat{\pm}$ Family of Peptide Toxins. <i>Journal of Natural Products</i> , 2021, 84, 2121-2128.	1.5	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.	1.8	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.	0.8	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.	2.0	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.	3.6	9
32	Identification, Synthesis, Conformation and Activity of an Insulin-like Peptide from a Sea Anemone. <i>Biomolecules</i> , 2021, 11, 1785.	1.8	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.	1.0	9
34	Targeting Cannabinoid Receptors: Current Status and Prospects of Natural Products. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5064.	1.8	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.	1.5	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.	1.1	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.	1.3	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.	2.2	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.	1.4	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.	1.8	66
41	Tuning Scorpion Toxin Selectivity: Switching From KV1.1 to KV1.3. <i>Frontiers in Pharmacology</i> , 2020, 11, 1010.	1.6	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.	3.5	14
43	Caterpillar Venom: A Health Hazard of the 21st Century. <i>Biomedicines</i> , 2020, 8, 143.	1.4	22
44	Beyond hemostasis: a snake venom serine protease with potassium channel blocking and potential antitumor activities. <i>Scientific Reports</i> , 2020, 10, 4476.	1.6	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.	1.6	15
46	Pharmacological activity and NMR solution structure of the leech peptide HSTX-I. <i>Biochemical Pharmacology</i> , 2020, 181, 114082.	2.0	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.	2.9	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.	0.8	0
49	New Insights into the Type II Toxins from the Sea Anemone <i>Heteractis crispa</i> . <i>Toxins</i> , 2020, 12, 44.	1.5	14
50	Design and characterization of a novel structural class of Kv1.3 inhibitors. <i>Bioorganic Chemistry</i> , 2020, 98, 103746.	2.0	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.	1.5	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.	1.1	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.	1.4	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.	3.6	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.	0.8	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.	1.6	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.	0.8	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 α -Amylases. <i>Marine Drugs</i> , 2019, 17, 542.	2.2	15
59	Structure-Function Elucidation of a New α -Conotoxin, Milla, from <i>Conus milneedwardsi</i> . <i>Marine Drugs</i> , 2019, 17, 535.	2.2	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.	1.5	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.	3.5	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.	0.3	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.	2.5	7
64	A Centipede Toxin Family Defines an Ancient Class of β -Defensins. <i>Structure</i> , 2019, 27, 315-326.e7.	1.6	17
65	Microextractions in forensic toxicology: The potential role of ionic liquids. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 73-84.	5.8	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.	1.6	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.	1.4	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.	1.3	9
69	Where cone snails and spiders meet: design of small cyclic sodium channel inhibitors. <i>FASEB Journal</i> , 2019, 33, 3693-3703.	0.2	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.	0.9	11
71	The Health Risks of Belgian Illicit Indoor Cannabis Plantations. <i>Journal of Forensic Sciences</i> , 2018, 63, 1783-1789.	0.9	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.	1.6	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.	0.8	11
74	Peptide ion channel toxins from the bootlace worm, the longest animal on Earth. <i>Scientific Reports</i> , 2018, 8, 4596.	1.6	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.	2.9	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.	1.2	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.	1.6	34
78	Fast and easy extraction of antidepressants from whole blood using ionic liquids as extraction solvent. <i>Talanta</i> , 2018, 180, 292-299.	2.9	46
79	Cover Image, Volume 86, Issue 10. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, C4-C4.	1.5	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.	2.2	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.	2.0	20
82	Phoneutria nigriventer Spider Toxin PnTx2-1 (β -Ctenitoxin-Pn1a) Is a Modulator of Sodium Channel Gating. <i>Toxins</i> , 2018, 10, 337.	1.5	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.	1.5	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.	0.8	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.	1.0	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.	1.5	5
87	The Peptide PnPP-19, a Spider Toxin Derivative, Activates μ -Opioid Receptors and Modulates Calcium Channels. <i>Toxins</i> , 2018, 10, 43.	1.5	14
88	PhcrTx2, a New Crab-Paralyzing Peptide Toxin from the Sea Anemone <i>Phymanthus crucifer</i> . <i>Toxins</i> , 2018, 10, 72.	1.5	7
89	Toxins in Drug Discovery and Pharmacology. <i>Toxins</i> , 2018, 10, 126.	1.5	42
90	Phoneutria nigriventer venom: A pharmacological treasure. <i>Toxicon</i> , 2018, 151, 96-110.	0.8	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.	2.4	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.	1.1	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.	1.7	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.	3.3	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.	5.8	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.	1.3	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.	0.4	29
98	Astemizole analogues with reduced hERG inhibition as potent antimalarial compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6332-6344.	1.4	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.	1.3	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.	2.6	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.	0.5	5
102	Toxin biopptides: exploring toxin biological activity and multifunctionality. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 647-661.	2.4	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.	1.2	16
104	Panusin represents a new family of Î²-defensin-like peptides in invertebrates. <i>Developmental and Comparative Immunology</i> , 2017, 67, 310-321.	1.0	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.	2.2	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.	1.1	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.	2.2	48
108	The Kunitz-Type Protein ShPI-1 Inhibits Serine Proteases and Voltage-Gated Potassium Channels. <i>Toxins</i> , 2016, 8, 110.	1.5	38

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109	Novel Conopeptides of Largely Unexplored Indo Pacific Conus sp.. <i>Marine Drugs</i> , 2016, 14, 199.	2.2	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.	1.5	26
111	tâ€boc synthesis of huwentoxinâ€ through native chemical ligation incorporating a trifluoromethanesulfonic acid cleavage strategy. <i>Biopolymers</i> , 2016, 106, 737-745.	1.2	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.	2.0	19
113	Fluorescent protein-scorpion toxin chimera is a convenient molecular tool for studies of potassium channels. <i>Scientific Reports</i> , 2016, 6, 33314.	1.6	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.	1.2	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.	3.5	26
116	Active Sites of Spinoxin, a Potassium Channel Scorpion Toxin, Elucidated by Systematic Alanine Scanning. <i>Biochemistry</i> , 2016, 55, 2927-2935.	1.2	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.	0.8	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.	0.8	3
119	The use of presumptive color tests for new psychoactive substances. <i>Drug Testing and Analysis</i> , 2016, 8, 136-140.	1.6	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.	3.3	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.	0.8	38
122	The antifungal plant defensin AtPDF2.3 from <i>Arabidopsis thaliana</i> blocks potassium channels. <i>Scientific Reports</i> , 2016, 6, 32121.	1.6	31
123	Ts8 scorpion toxin inhibits the Kv4.2 channel and produces nociception in vivo. <i>Toxicon</i> , 2016, 119, 244-252.	0.8	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.	3.2	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.	2.0	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.	0.8	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.	1.3	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.	1.2	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.	1.2	7
130	Preparation of longitudinal sections of hair samples for the analysis of cocaine by MALDI-MS/MS and TOF-SIMS imaging. <i>Drug Testing and Analysis</i> , 2015, 7, 859-865.	1.6	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.	1.5	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.	1.1	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.	1.5	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.	1.3	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.	1.1	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.	0.2	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.	1.6	44
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