

Yuri N Utkin

List of Publications by Citations

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160
papers

2,744
citations

30
h-index

42
g-index

187
ext. papers

3,156
ext. citations

3.1
avg, IF

5.2
L-index

#	Paper	IF	Citations
160	"Weak toxin" from <i>Naja kaouthia</i> is a nontoxic antagonist of alpha 7 and muscle-type nicotinic acetylcholine receptors. <i>Journal of Biological Chemistry</i> , 2001 , 276, 15810-5	5.4	94
159	Cancer cell injury by cytotoxins from cobra venom is mediated through lysosomal damage. <i>Biochemical Journal</i> , 2005 , 390, 11-8	3.8	77
158	Animal venom studies: Current benefits and future developments. <i>World Journal of Biological Chemistry</i> , 2015 , 6, 28-33	3.8	76
157	Functional nicotinic acetylcholine receptors are expressed in B lymphocyte-derived cell lines. <i>Molecular Pharmacology</i> , 2003 , 64, 885-9	4.3	67
156	Polypeptide and peptide toxins, magnifying lenses for binding sites in nicotinic acetylcholine receptors. <i>Biochemical Pharmacology</i> , 2009 , 78, 720-31	6	64
155	Naturally occurring disulfide-bound dimers of three-fingered toxins: a paradigm for biological activity diversification. <i>Journal of Biological Chemistry</i> , 2008 , 283, 14571-80	5.4	63
154	Three-finger toxins, a deadly weapon of elapid venom--milestones of discovery. <i>Toxicon</i> , 2013 , 62, 50-5	2.8	59
153	EPR and fluorescence study of interaction of <i>Naja naja oxiana</i> neurotoxin II and its derivatives with acetylcholine receptor protein from <i>Torpedo marmorata</i> . <i>FEBS Letters</i> , 1979 , 106, 47-52	3.8	59
152	Interaction surfaces of neurotoxins and acetylcholine receptor. <i>Toxicon</i> , 1982 , 20, 83-93	2.8	56
151	Azemiopsin from <i>Azemiops feae</i> viper venom, a novel polypeptide ligand of nicotinic acetylcholine receptor. <i>Journal of Biological Chemistry</i> , 2012 , 287, 27079-86	5.4	51
150	Proton-nuclear-magnetic-resonance study of the conformation of neurotoxin II from Middle-Asian cobra (<i>Naja naja oxiana</i>) venom. <i>FEBS Journal</i> , 1976 , 71, 595-606		51
149	The handedness of the subunit arrangement of the nicotinic acetylcholine receptor from <i>Torpedo californica</i> . <i>FEBS Journal</i> , 1995 , 234, 427-30		50
148	Membrane binding motif of the P-type cardiotoxin. <i>Journal of Molecular Biology</i> , 2001 , 305, 137-49	6.5	48
147	Photolabeling reveals the proximity of the alpha-neurotoxin binding site to the M2 helix of the ion channel in the nicotinic acetylcholine receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 7282-6	11.5	47
146	Interaction of three-finger toxins with phospholipid membranes: comparison of S- and P-type cytotoxins. <i>Biochemical Journal</i> , 2005 , 387, 807-15	3.8	45
145	Snake cytotoxins bind to membranes via interactions with phosphatidylserine head groups of lipids. <i>PLoS ONE</i> , 2011 , 6, e19064	3.7	41
144	Cobra venom contains a pool of cysteine-rich secretory proteins. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 328, 177-82	3.4	41

143	Quantitative proteomic analysis of Vietnamese krait venoms: Neurotoxins are the major components in Bungarus multicinctus and phospholipases A2 in Bungarus fasciatus. <i>Toxicon</i> , 2015 , 107, 197-209	2.8	40
142	Naturally occurring and synthetic peptides acting on nicotinic acetylcholine receptors. <i>Current Pharmaceutical Design</i> , 2009 , 15, 2430-52	3.3	40
141	Neurotoxins from snake venoms and Conotoxin Iml inhibit functionally active ionotropic GABA receptors. <i>Journal of Biological Chemistry</i> , 2015 , 290, 22747-58	5.4	38
140	A new type of thrombin inhibitor, noncytotoxic phospholipase A2, from the Naja haje cobra venom. <i>Toxicon</i> , 2010 , 55, 186-94	2.8	37
139	Muscarinic toxin-like proteins from cobra venom. <i>FEBS Journal</i> , 2000 , 267, 6784-9		37
138	Conformational studies of neurotoxin II from Naja naja oxiana. Selective N-acylation, circular dichroism and nuclear-magnetic-resonance study of acylation products. <i>FEBS Journal</i> , 1979 , 94, 337-46		37
137	Spatial structure of the M3 transmembrane segment of the nicotinic acetylcholine receptor alpha subunit. <i>FEBS Journal</i> , 1998 , 255, 455-61		36
136	Relationship between the binding sites for an alpha-conotoxin and snake venom neurotoxins in the nicotinic acetylcholine receptor from <i>Torpedo californica</i> . <i>Toxicon</i> , 1994 , 32, 1153-7	2.8	33
135	Weak toxin WTX from Naja kaouthia cobra venom interacts with both nicotinic and muscarinic acetylcholine receptors. <i>FEBS Journal</i> , 2009 , 276, 5065-75	5.7	32
134	Interaction of the P-type cardiotoxin with phospholipid membranes. <i>FEBS Journal</i> , 2003 , 270, 2038-46		32
133	Comparative study of structure and activity of cytotoxins from venom of the cobras Naja oxiana, Naja kaouthia, and Naja haje. <i>Biochemistry (Moscow)</i> , 2004 , 69, 1148-57	2.9	31
132	A model for short alpha-neurotoxin bound to nicotinic acetylcholine receptor from <i>Torpedo californica</i> : comparison with long-chain alpha-neurotoxins and alpha-conotoxins. <i>Computational Biology and Chemistry</i> , 2005 , 29, 398-411	3.6	31
131	Inhibition of the nicotinic acetylcholine receptors by cobra venom neurotoxins: is there a perspective in lung cancer treatment?. <i>PLoS ONE</i> , 2011 , 6, e20695	3.7	30
130	First tryptophan-containing weak neurotoxin from cobra venom. <i>Toxicon</i> , 2001 , 39, 921-7	2.8	30
129	Physicochemical and immunological studies of the N-terminal domain of the <i>Torpedo</i> acetylcholine receptor alpha-subunit expressed in <i>Escherichia coli</i> . <i>FEBS Journal</i> , 1999 , 259, 310-9		30
128	Two-dimensional ¹ H-NMR study of the spatial structure of neurotoxin II from Naja naja oxiana. <i>FEBS Journal</i> , 1993 , 213, 1213-23		30
127	Alpha-conotoxin analogs with additional positive charge show increased selectivity towards <i>Torpedo californica</i> and some neuronal subtypes of nicotinic acetylcholine receptors. <i>FEBS Journal</i> , 2006 , 273, 4470-81	5.7	29
126	Structural Insight into Specificity of Interactions between Nonconventional Three-finger Weak Toxin from Naja kaouthia (WTX) and Muscarinic Acetylcholine Receptors. <i>Journal of Biological Chemistry</i> , 2015 , 290, 23616-30	5.4	28

125	Dimeric β -cobratoxin X-ray structure: localization of intermolecular disulfides and possible mode of binding to nicotinic acetylcholine receptors. <i>Journal of Biological Chemistry</i> , 2012 , 287, 6725-34	5.4	28
124	cDNA cloning, structural, and functional analyses of venom phospholipases A ₂ and a Kunitz-type protease inhibitor from steppe viper <i>Vipera ursinii renardi</i> . <i>Toxicon</i> , 2011 , 57, 332-41	2.8	28
123	Bacterial expression, NMR, and electrophysiology analysis of chimeric short/long-chain alpha-neurotoxins acting on neuronal nicotinic receptors. <i>Journal of Biological Chemistry</i> , 2007 , 282, 24784-91	5.4	26
122	Toxicity of venoms from vipers of Pelias group to crickets <i>Gryllus assimilis</i> and its relation to snake entomophagy. <i>Toxicon</i> , 2007 , 49, 995-1001	2.8	26
121	An unusual phospholipase A ₂ from puff adder <i>Bitis arietans</i> venom—a novel blocker of nicotinic acetylcholine receptors. <i>Toxicon</i> , 2011 , 57, 787-93	2.8	25
120	Weak neurotoxin from <i>Naja kaouthia</i> cobra venom affects haemodynamic regulation by acting on acetylcholine receptors. <i>Toxicon</i> , 2005 , 45, 93-9	2.8	25
119	Last decade update for three-finger toxins: Newly emerging structures and biological activities. <i>World Journal of Biological Chemistry</i> , 2019 , 10, 17-27	3.8	24
118	Inhibition of nicotinic acetylcholine receptors, a novel facet in the pleiotropic activities of snake venom phospholipases A ₂ . <i>PLoS ONE</i> , 2014 , 9, e115428	3.7	24
117	Natural compounds interacting with nicotinic acetylcholine receptors: from low-molecular weight ones to peptides and proteins. <i>Toxins</i> , 2015 , 7, 1683-701	4.9	23
116	Cysteine-rich venom proteins from the snakes of Viperinae subfamily - molecular cloning and phylogenetic relationship. <i>Toxicon</i> , 2009 , 53, 162-8	2.8	23
115	Heterodimeric neurotoxic phospholipases A ₂ —the first proteins from venom of recently established species <i>Vipera nikolskii</i> : implication of venom composition in viper systematics. <i>Toxicon</i> , 2008 , 51, 524-37	2.8	23
114	Oxiagin from the <i>Naja oxiana</i> cobra venom is the first reprotolysin inhibiting the classical pathway of complement. <i>Molecular Immunology</i> , 2005 , 42, 1141-53	4.3	22
113	Quantitative Proteomic Analysis of Venoms from Russian Vipers of Pelias Group: Phospholipases A ₂ are the Main Venom Components. <i>Toxins</i> , 2016 , 8, 105	4.9	22
112	Vietnamese <i>Heterometrus laoticus</i> scorpion venom: evidence for analgesic and anti-inflammatory activity and isolation of new polypeptide toxin acting on Kv1.3 potassium channel. <i>Toxicon</i> , 2014 , 77, 40-8	2.8	21
111	Diversity of nicotinic receptors mediating Cl ⁻ current in <i>Lymnaea</i> neurons distinguished with specific agonists and antagonist. <i>Neuroscience Letters</i> , 2005 , 373, 232-6	3.3	21
110	Cobra Cytotoxins: Structural Organization and Antibacterial Activity. <i>Acta Naturae</i> , 2014 , 6, 11-18	2.1	21
109	Nicotinic acetylcholine receptors alpha4beta2 and alpha7 regulate myelo- and erythropoiesis within the bone marrow. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 980-90	5.6	20
108	Nicotinic receptors in <i>Lymnaea stagnalis</i> neurons are blocked by alpha-neurotoxins from cobra venoms. <i>Neuroscience Letters</i> , 2001 , 309, 189-92	3.3	20

107	Azemiopsin, a Selective Peptide Antagonist of Muscle Nicotinic Acetylcholine Receptor: Preclinical Evaluation as a Local Muscle Relaxant. <i>Toxins</i> , 2018 , 10,	4.9	19
106	Computer modeling of binding of diverse weak toxins to nicotinic acetylcholine receptors. <i>Computational Biology and Chemistry</i> , 2007 , 31, 72-81	3.6	18
105	The first representative of glycosylated three-fingered toxins. Cytotoxin from the Naja kaouthia cobra venom. <i>FEBS Journal</i> , 2004 , 271, 2018-27		18
104	Aromatic substitutions in alpha-conotoxin Iml. Synthesis of iodinated photoactivatable derivative. <i>Toxicon</i> , 1999 , 37, 1683-95	2.8	17
103	Pancreatic and snake venom presynaptically active phospholipases A2 inhibit nicotinic acetylcholine receptors. <i>PLoS ONE</i> , 2017 , 12, e0186206	3.7	16
102	Central loop of non-conventional toxin WTX from Naja kaouthia is important for interaction with nicotinic acetylcholine receptors. <i>Toxicon</i> , 2016 , 119, 274-9	2.8	16
101	Towards universal approach for bacterial production of three-finger Ly6/uPAR proteins: Case study of cytotoxin I from cobra N. [bxiana. <i>Protein Expression and Purification</i> , 2017 , 130, 13-20	2	16
100	Bacterial production and refolding from inclusion bodies of a "weak" toxin, a disulfide rich protein. <i>Biochemistry (Moscow)</i> , 2009 , 74, 1142-9	2.9	16
99	Steered molecular dynamics simulations of cobra cytotoxin interaction with zwitterionic lipid bilayer: no penetration of loop tips into membranes. <i>Computational Biology and Chemistry</i> , 2009 , 33, 29-32	3.6	16
98	19F NMR determination of intramolecular distances in spin- and fluorine-labelled proteins: neurotoxin II Naja naja oxiana. <i>FEBS Letters</i> , 1981 , 136, 269-74	3.8	16
97	Phospholipases a2 from Viperidae snakes: Differences in membranotropic activity between enzymatically active toxin and its inactive isoforms. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015 , 1848, 463-8	3.8	15
96	Labeling of Torpedo californica nicotinic acetylcholine receptor subunits by cobratoxin derivatives with photoactivatable groups of different chemical nature at Lys23. <i>FEBS Journal</i> , 1998 , 253, 229-35		15
95	Matrix-assisted laser desorption ionization (MALDI) and post source decay (PSD) product ion mass analysis localize a photolabel crosslinked to the delta-subunit of nAChR protein by neurotoxin II. <i>European Journal of Mass Spectrometry</i> , 1995 , 1, 313		15
94	Anionic Lipids: Determinants of Binding Cytotoxins from Snake Venom on the Surface of Cell Membranes. <i>Acta Naturae</i> , 2010 , 2, 88-95	2.1	15
93	Naja melanoleuca cobra venom contains two forms of complement-depleting factor (CVF). <i>Toxicon</i> , 2005 , 46, 394-403	2.8	14
92	Antiproliferative activity of cobra venom cytotoxins. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 638-48	3.48	14
91	Novel long-chain neurotoxins from distinguish the two binding sites in muscle-type nicotinic acetylcholine receptors. <i>Biochemical Journal</i> , 2019 , 476, 1285-1302	3.8	13
90	Nerve growth factor from cobra venom inhibits the growth of Ehrlich tumor in mice. <i>Toxins</i> , 2014 , 6, 784-95	4.25	13

89	alpha-Conotoxin GI benzoylphenylalanine derivatives. (1)H-NMR structures and photoaffinity labeling of the Torpedo californica nicotinic acetylcholine receptor. <i>FEBS Journal</i> , 2006 , 273, 1373-88	5.7	13
88	Non-lethal polypeptide components in cobra venom. <i>Current Pharmaceutical Design</i> , 2007 , 13, 2906-15	3.3	12
87	Detection of alpha7 nicotinic acetylcholine receptors with the aid of antibodies and toxins. <i>Life Sciences</i> , 2007 , 80, 2202-5	6.8	12
86	Influence of phospholipases A2 from snake venoms on survival and neurite outgrowth in pheochromocytoma cell line PC12. <i>Biochemistry (Moscow)</i> , 2006 , 71, 678-84	2.9	12
85	Photoactivatable alpha-conotoxins reveal contacts with all subunits as well as antagonist-induced rearrangements in the Torpedo californica acetylcholine receptor. <i>FEBS Journal</i> , 2001 , 268, 3664-73		12
84	Activation of $\alpha 7$ Nicotinic Acetylcholine Receptor Upregulates HLA-DR and Macrophage Receptors: Potential Role in Adaptive Immunity and in Preventing Immunosuppression. <i>Biomolecules</i> , 2020 , 10,	5.9	12
83	Effects of snake venom polypeptides on central nervous system. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2012 , 12, 315-28	1.8	11
82	A new class of photoactivatable and cleavable derivatives of neurotoxin II from Naja naja oxiana. Synthesis, characterisation, and application for affinity labelling of the nicotinic acetylcholine receptor from Torpedo californica. <i>FEBS Journal</i> , 1995 , 228, 947-54		11
81	Phospholipidic Colchicinoids as Promising Prodrugs Incorporated into Enzyme-Responsive Liposomes: Chemical, Biophysical, and Enzymological Aspects. <i>Bioconjugate Chemistry</i> , 2019 , 30, 1098-1113	6.3	11
80	Aging Affects Nicotinic Acetylcholine Receptors in Brain. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2019 , 19, 119-124	1.8	10
79	Behavioural effects in mice and intoxication symptomatology of weak neurotoxin from cobra Naja kaouthia. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007 , 100, 273-8	3.1	10
78	Intracellular domains of the delta-subunits of Torpedo and rat acetylcholine receptors--expression, purification, and characterization. <i>Protein Expression and Purification</i> , 2004 , 38, 237-47	2	10
77	Benzophenone-type photoactivatable derivatives of alpha-neurotoxins and alpha-conotoxins in studies on Torpedo nicotinic acetylcholine receptor. <i>Journal of Receptor and Signal Transduction Research</i> , 1999 , 19, 559-71	2.6	10
76	Peptides from puff adder Bitis arietans venom, novel inhibitors of nicotinic acetylcholine receptors. <i>Toxicon</i> , 2016 , 121, 70-76	2.8	10
75	Heterodimeric V. nikolskii phospholipases A2 induce aggregation of the lipid bilayer. <i>Toxicon</i> , 2017 , 133, 169-179	2.8	9
74	Functions, structures and Triton X-100 effect for the catalytic subunits of heterodimeric phospholipases A2 from Vipera nikolskii venom. <i>Toxicon</i> , 2009 , 54, 709-16	2.8	9
73	Phospholipase A from krait venom induces human cancer cell death in vitro. <i>PeerJ</i> , 2019 , 7, e8055	3.1	9
72	Impact of membrane partitioning on the spatial structure of an S-type cobra cytotoxin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 3463-3478	3.6	8

71	From Synthetic Fragments of Endogenous Three-Finger Proteins to Potential Drugs. <i>Frontiers in Pharmacology</i> , 2019 , 10, 748	5.6	8
70	Muramyl peptides bind specifically to rat brain membranes. <i>FEBS Letters</i> , 1989 , 248, 78-82	3.8	8
69	Three-finger proteins from snakes and humans acting on nicotinic receptors: Old and new. <i>Journal of Neurochemistry</i> , 2021 , 158, 1223-1235	6	8
68	Conotoxins revealed different roles of nicotinic cholinergic receptor subtypes in oncogenesis of Ehrlich tumor and in the associated inflammation. <i>Doklady Biochemistry and Biophysics</i> , 2015 , 463, 216-9	0.8	7
67	Anticoagulant Activity of Low-Molecular Weight Compounds from Heterometrus laoticus Scorpion Venom. <i>Toxins</i> , 2017 , 9,	4.9	7
66	A comparative study on selectivity of alpha-conotoxins GI and Iml using their synthetic analogues and derivatives. <i>Neurochemical Research</i> , 2003 , 28, 599-606	4.6	7
65	Synthesis of nitrodiaziriny derivatives of neurotoxin II from Naja naja oxiana and their interaction with the Torpedo californica nicotinic acetylcholine receptor. <i>The Protein Journal</i> , 1995 , 14, 197-203		7
64	alpha-Bungarotoxin interacts with the rat brain tachykinin receptors. <i>FEBS Letters</i> , 1989 , 255, 111-5	3.8	7
63	Scorpion toxins interact with nicotinic acetylcholine receptors. <i>FEBS Letters</i> , 2019 , 593, 2779-2789	3.8	6
62	Hetlaxin, a new toxin from the Heterometrus laoticus scorpion venom, interacts with voltage-gated potassium channel Kv1.3. <i>Doklady Biochemistry and Biophysics</i> , 2013 , 449, 109-11	0.8	6
61	Novel Bradykinin-Potentiating Peptides and Three-Finger Toxins from Viper Venom: Combined NGS Venom Gland Transcriptomics and Quantitative Venom Proteomics of the Viper. <i>Biomedicines</i> , 2020 , 8,	4.8	6
60	Isolation and preliminary crystallographic studies of two new phospholipases A2 from Vipera nikolskii venom. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005 , 61, 189-92		5
59	Snake venom phospholipase As exhibit strong virucidal activity against SARS-CoV-2 and inhibit the viral spike glycoprotein interaction with ACE2. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 7777-7794	10.3	5
58	SPIN AND FLUORESCENCE LABELED NEUROTOXIN II. CONFORMATIONAL STUDIES AND INTERACTION OF THE TOXIN WITH THE ACETYLCHOLINE RECEPTOR 1980 , 523-530		5
57	Conotoxins and Cobratoxin Promote, while Lipoxygenase and Cyclooxygenase Inhibitors Suppress the Proliferation of Glioma C6 Cells. <i>Marine Drugs</i> , 2021 , 19,	6	5
56	Brain and Quantum Dots: Benefits of Nanotechnology for Healthy and Diseased Brain. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2018 , 18, 193-205	1.8	5
55	Intraspecific Variability in the Composition of the Venom from Monocled Cobra (Naja kaouthia). <i>Russian Journal of Bioorganic Chemistry</i> , 2019 , 45, 107-121	1	4
54	Nerve growth factor suppresses Ehrlich carcinoma growth. <i>Doklady Biochemistry and Biophysics</i> , 2013 , 451, 207-8	0.8	4

53	Low-molecular-weight compounds with anticoagulant activity from the scorpion <i>Heterometrus laoticus</i> venom. <i>Doklady Biochemistry and Biophysics</i> , 2017 , 476, 316-319	0.8	4
52	Cobra cytotoxins: determinants of antibacterial activity. <i>Mendeleev Communications</i> , 2015 , 25, 70-71	1.9	4
51	The new peptide from the Fea's viper <i>Azemiops feae</i> venom interacts with nicotinic acetylcholine receptors. <i>Doklady Biochemistry and Biophysics</i> , 2012 , 442, 33-5	0.8	4
50	Substance P derivatives with photoactivatable labels in the N-terminal part of the molecule. <i>Chemical Biology and Drug Design</i> , 1997 , 50, 408-14		4
49	Structure and Conformational Heterogeneity of a Weak Toxin from the Cobra <i>Naja kaouthia</i> Venom. <i>Russian Journal of Bioorganic Chemistry</i> , 2001 , 27, 72-83	1	4
48	Reverse-phase chromatography isolation and MALDI mass spectrometry of the acetylcholine receptor subunits. <i>Protein Expression and Purification</i> , 1998 , 12, 226-32	2	4
47	Conjugates of β Cobratoxin with CdSe Quantum Dots: Preparation and Biological Activity. <i>Nano Hybrids and Composites</i> , 2017 , 13, 3-8	0.7	3
46	Nanoencapsulation Enhances Anticoagulant Activity of Adenosine and Dipeptide IleTrp. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
45	Venoms of kraits <i>Bungarus multicinctus</i> and <i>Bungarus fasciatus</i> contain anticoagulant proteins. <i>Doklady Biochemistry and Biophysics</i> , 2015 , 460, 53-8	0.8	3
44	Screening Snake Venoms for Toxicity to Revealed Anti-Protozoan Activity of Cobra Cytotoxins. <i>Toxins</i> , 2020 , 12,	4.9	3
43	Nerve growth factor from Indian Russell's viper venom (RVV-NGF α) shows high affinity binding to TrkA receptor expressed in breast cancer cells: Application of fluorescence labeled RVV-NGF α in the clinical diagnosis of breast cancer. <i>Biochimie</i> , 2020 , 176, 31-44	4.6	3
42	β Conotoxins Enhance both the In Vivo Suppression of Ehrlich carcinoma Growth and In Vitro Reduction in Cell Viability Elicited by Cyclooxygenase and Lipoxygenase Inhibitors. <i>Marine Drugs</i> , 2020 , 18,	6	3
41	Nonconventional three-finger toxin BMLCL from krait <i>Bungarus multicinctus</i> venom with high affinity interacts with nicotinic acetylcholine receptors. <i>Doklady Biochemistry and Biophysics</i> , 2015 , 464, 294-7	0.8	3
40	Polyclonal antibodies against native weak toxin <i>Naja kaouthia</i> discriminate native weak toxins and some other three-fingered toxins against their denaturated forms. <i>Toxicon</i> , 2005 , 46, 24-30	2.8	3
39	Toxicity of cobra venom components to cockroach <i>Gromphadorhina portentosa</i> . <i>Toxicon</i> , 2002 , 40, 1507	2.8	3
38	Marine Origin Ligands of Nicotinic Receptors: Low Molecular Compounds, Peptides and Proteins for Fundamental Research and Practical Applications.. <i>Biomolecules</i> , 2022 , 12,	5.9	3
37	Analysis of nociceptive effects of neurotoxic phospholipase A2 from <i>Vipera nikolskii</i> venom in mice. <i>Journal of Venom Research</i> , 2013 , 4, 1-4	0.6	3
36	Novel Three-Finger Neurotoxins from Cobra Venom Interact with GABA and Nicotinic Acetylcholine Receptors. <i>Toxins</i> , 2021 , 13,	4.9	3

35	Pr-SNTX, a short-chain three-finger toxin from Papuan pigmy mulga snake, is an antagonist of muscle-type nicotinic acetylcholine receptor (α1). <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 158-61	2.1	2
34	Novel antagonists of nicotinic acetylcholine receptors--proteins from venoms of Viperidae snakes. <i>Doklady Biochemistry and Biophysics</i> , 2015 , 461, 119-22	0.8	2
33	PNU-120596, a positive allosteric modulator of mammalian α7 nicotinic acetylcholine receptor, is a negative modulator of ligand-gated chloride-selective channels of the gastropod <i>Lymnaea stagnalis</i> . <i>Journal of Neurochemistry</i> , 2020 , 155, 274-284	6	2
32	Cobra Venom Factor and Ketoprofen Abolish the Antitumor Effect of Nerve Growth Factor from Cobra Venom. <i>Toxins</i> , 2017 , 9,	4.9	2
31	New paradoxical three-finger toxin from the cobra <i>Naja kaouthia</i> venom: Isolation and characterization. <i>Doklady Biochemistry and Biophysics</i> , 2017 , 475, 264-266	0.8	2
30	Alpha-conotoxin analogs with enhanced affinity for nicotinic receptors and acetylcholine-binding proteins. <i>Journal of Molecular Neuroscience</i> , 2006 , 30, 77-8	3.3	2
29	Direct cloning of a target gene from a pool of homologous sequences: complete cDNA sequence of a weak neurotoxin from cobra <i>Naja kaouthia</i> . <i>IUBMB Life</i> , 2003 , 55, 43-7	4.7	2
28	Snake Venom Polypeptides Affecting the Central Nervous System. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2007 , 7, 97-107	1.8	2
27	Antiproliferative Effects of Snake Venom Phospholipases A2 and Their Perspectives for Cancer Treatment. <i>Toxinology</i> , 2017 , 129-146	0	2
26	Antibacterial activity of cardiotoxin-like basic polypeptide from cobra venom. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 126890	2.9	2
25	Effect of a peptide modeling the nicotinic receptor binding site on the spectral and luminescent properties of dye complexes with cucurbit[8]uril. <i>High Energy Chemistry</i> , 2016 , 50, 121-126	0.9	2
24	Interaction of three-finger proteins from snake venoms and from mammalian brain with the cys-loop receptors and their models. <i>Doklady Biochemistry and Biophysics</i> , 2016 , 468, 193-6	0.8	2
23	Snake venom phospholipases A2 possess a strong virucidal activity against SARS-CoV-2 in vitro and block the cell fusion mediated by spike glycoprotein interaction with the ACE2 receptor		2
22	Detection of human neuronal α7 nicotinic acetylcholine receptors by conjugates of snake neurotoxin with quantum dots. <i>Doklady Biochemistry and Biophysics</i> , 2017 , 475, 253-255	0.8	1
21	Atypical Acetylcholine Receptors on the Neurons of the Turkish Snail. <i>Doklady Biochemistry and Biophysics</i> , 2020 , 491, 81-84	0.8	1
20	Phospholipases A2 isolated from snake venoms block acetylcholine-elicited currents in identified <i>Lymnaea stagnalis</i> neurons. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2013 , 7, 203-206	0.7	1
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