# Yuri N Utkin

List of Publications by Year
in descending order



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|---|---|---|---|
| 171 papers | 3,606 citations | 117571 34 h-index | 206029 48 g-index |
| 188 all docs | 188 docs citations | 188 times ranked | 2285 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Animal venom studies: Current benefits and future developments. World Journal of Biological Chemistry, 2015, 6, 28. | 1.7 | 118 |
| 2 | â€œWeak Toxinâ€•from Naja kaouthia Is a Nontoxic Antagonist of Î±7 and Muscle-type Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 2001, 276, 15810-15815. | 1.6 | 108 |
| 3 | Cancer cell injury by cytotoxins from cobra venom is mediated through lysosomal damage. Biochemical Journal, 2005, 390, 11-18. | 1.7 | 101 |
| 4 | Polypeptide and peptide toxins, magnifying lenses for binding sites in nicotinic acetylcholine receptors. Biochemical Pharmacology, 2009, 78, 720-731. | 2.0 | 75 |
| 5 | Naturally Occurring Disulfide-bound Dimers of Three-fingered Toxins. Journal of Biological Chemistry, 2008, 283, 14571-14580. | 1.6 | 73 |
| 6 | Functional Nicotinic Acetylcholine Receptors Are Expressed in B Lymphocyte-Derived Cell Lines. Molecular Pharmacology, 2003, 64, 885-889. | 1.0 | 72 |
| 7 | Three-finger toxins, a deadly weapon of elapid venom â€“ Milestones of discovery. Toxicon, 2013, 62, 50-55. | 0.8 | 71 |
| 8 | EPR And fluorescence study of interaction ofNaja naja oxiananeurotoxin II and its derivatives with acetylcholine receptor protein fromTorpedo marmorata. FEBS Letters, 1979, 106, 47-52. | 1.3 | 69 |
| 9 | Interacting surfaces of neurotoxins and acetylcholine receptor. Toxicon, 1982, 20, 83-93. | 0.8 | 61 |
| 10 | Azemiopsin from Azemiops feae Viper Venom, a Novel Polypeptide Ligand of Nicotinic Acetylcholine Receptor. Journal of Biological Chemistry, 2012, 287, 27079-27086. | 1.6 | 61 |
| 11 | Interaction of three-finger toxins with phospholipid membranes: comparison of S- and P-type cytotoxins. Biochemical Journal, 2005, 387, 807-815. | 1.7 | 59 |
| 12 | Proton-Nuclear-Magnetic-Resonance Study of the Conformation of Neurotoxin II from Middle-Asian Cobra (Naja naja oxiana) Venom. FEBS Journal, 1976, 71, 595-606. | 0.2 | 56 |
| 13 | Membrane binding motif of the P-type cardiotoxin. Journal of Molecular Biology, 2001, 305, 137-149. | 2.0 | 56 |
| 14 | Quantitative proteomic analysis of Vietnamese krait venoms: Neurotoxins are the major components in Bungarus multicinctus and phospholipases A2 in Bungarus fasciatus. Toxicon, 2015, 107, 197-209. | 0.8 | 55 |
| 15 | Snake Cytotoxins Bind to Membranes via Interactions with Phosphatidylserine Head Groups of Lipids. PLoS ONE, 2011, 6, e19064. | 1.1 | 53 |
| 16 | Photolabeling reveals the proximity of the alpha-neurotoxin binding site to the M2 helix of the ion channel in the nicotinic acetylcholine receptor.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7282-7286. | 3.3 | 51 |
| 17 | The Handedness of the Subunit Arrangement of the Nicotinic Acetylcholine Receptor from Torpedo californica. FEBS Journal, 1995, 234, 427-430. | 0.2 | 50 |
| 18 | Spatial Structure and Activity of Synthetic Fragments of Lynx1 and of Nicotinic Receptor Loop C Models. Biomolecules, 2021, 11, 1. | 1.8 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Cobra venom contains a pool of cysteine-rich secretory proteins. Biochemical and Biophysical Research Communications, 2005, 328, 177-182. | 1.0 | 46 |
| 20 | Naturally Occurring and Synthetic Peptides Acting on Nicotinic Acetylcholine Receptors. Current Pharmaceutical Design, 2009, 15, 2430-2452. | 0.9 | 46 |
| 21 | Neurotoxins from Snake Venoms and Î±-Conotoxin ImI Inhibit Functionally Active Ionotropic Î³-Aminobutyric Acid (GABA) Receptors. Journal of Biological Chemistry, 2015, 290, 22747-22758. | 1.6 | 45 |
| 22 | Last decade update for three-finger toxins: Newly emerging structures and biological activities. World Journal of Biological Chemistry, 2019, 10, 17-27. | 1.7 | 45 |
| 23 | A new type of thrombin inhibitor, noncytotoxic phospholipase A2, from the Naja haje cobra venom. Toxicon, 2010, 55, 186-194. | 0.8 | 44 |
| 24 | Conformational Studies of Neurotoxin II from Naja naja oxiana. Selective N-Acylation, Circular Dichroism and Nuclear-Magnetic-Resonance Study of Acylation Products. FEBS Journal, 1979, 94, 337-346. | 0.2 | 42 |
| 25 | Spatial structure of the M3 transmembrane segment of the nicotinic acetylcholine receptor alpha subunit. FEBS Journal, 1998, 255, 455-461. | 0.2 | 40 |
| 26 | Muscarinic toxin-like proteins from cobra venom. FEBS Journal, 2000, 267, 6784-6789. | 0.2 | 40 |
| 27 | Bacterial Expression, NMR, and Electrophysiology Analysis of Chimeric Short/Long-chain Î±-Neurotoxins Acting on Neuronal Nicotinic Receptors. Journal of Biological Chemistry, 2007, 282, 24784-24791. | 1.6 | 38 |
| 28 | Two-dimensional 1H-NMR study of the spatial structure of neurotoxin II from Naja naja oxiana. FEBS Journal, 1993, 213, 1213-1223. | 0.2 | 37 |
| 29 | Relationship between the binding sites for an Î±-conotoxin and snake venom neurotoxins in the nicotinic acetylcholine receptor from Torpedo californica. Toxicon, 1994, 32, 1153-1157. | 0.8 | 37 |
| 30 | Comparative Study of Structure and Activity of Cytotoxins from Venom of the Cobras Naja oxiana, Naja kaouthia, and Naja haje. Biochemistry (Moscow), 2004, 69, 1148-1157. | 0.7 | 37 |
| 31 | Weak toxin WTX from <i>Najaâ€ƒkaouthia</i> cobra venom interacts with both nicotinic and muscarinic acetylcholine receptors. FEBS Journal, 2009, 276, 5065-5075. | 2.2 | 37 |
| 32 | Structural Insight into Specificity of Interactions between Nonconventional Three-finger Weak Toxin from Naja kaouthia (WTX) and Muscarinic Acetylcholine Receptors. Journal of Biological Chemistry, 2015, 290, 23616-23630. | 1.6 | 37 |
| 33 | Interaction of the P-type cardiotoxin with phospholipid membranes. FEBS Journal, 2003, 270, 2038-2046. | 0.2 | 36 |
| 34 | Inhibition of Nicotinic Acetylcholine Receptors, a Novel Facet in the Pleiotropic Activities of Snake Venom Phospholipases A2. PLoS ONE, 2014, 9, e115428. | 1.1 | 36 |
| 35 | A model for short Î±-neurotoxin bound to nicotinic acetylcholine receptor from Torpedo californica: Comparison with long-chain Î±-neurotoxins and Î±-conotoxins. Computational Biology and Chemistry, 2005, 29, 398-411. | 1.1 | 35 |
| 36 | ?-Conotoxin analogs with additional positive charge show increased selectivity towards Torpedoï¿½californica and some neuronal subtypes of nicotinic acetylcholine receptors. FEBS Journal, 2006, 273, 4470-4481. | 2.2 | 35 |

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| 37 | Inhibition of the Nicotinic Acetylcholine Receptors by Cobra Venom Î±-Neurotoxins: Is There a Perspective in Lung Cancer Treatment?. PLoS ONE, 2011, 6, e20695. | 1.1 | 35 |
| 38 | First tryptophan-containing weak neurotoxin from cobra venom. Toxicon, 2001, 39, 921-927. | 0.8 | 34 |
| 39 | Physicochemical and immunological studies of the N-terminal domain Ã¯Â¿Â½of theTorpedoacetylcholine receptor Î±-subunit expressed in Ã¯Â¿Â½Escherichia coli. FEBS Journal, 1999, 259, 310-319. | 0.2 | 33 |
| 40 | Dimeric Î±-Cobratoxin X-ray Structure. Journal of Biological Chemistry, 2012, 287, 6725-6734. | 1.6 | 33 |
| 41 | An unusual phospholipase A2 from puff adder Bitis arietans venomÂâ€"Âa novel blocker of nicotinic acetylcholine receptors. Toxicon, 2011, 57, 787-793. | 0.8 | 32 |
| 42 | Natural Compounds Interacting with Nicotinic Acetylcholine Receptors: From Low-Molecular Weight Ones to Peptides and Proteins. Toxins, 2015, 7, 1683-1701. | 1.5 | 32 |
| 43 | Quantitative Proteomic Analysis of Venoms from Russian Vipers of Pelias Group: Phospholipases A2 are the Main Venom Components. Toxins, 2016, 8, 105. | 1.5 | 32 |
| 44 | Toxicity of venoms from vipers of Pelias group to crickets Gryllus assimilis and its relation to snake entomophagy. Toxicon, 2007, 49, 995-1001. | 0.8 | 31 |
| 45 | cDNA cloning, structural, and functional analyses of venom phospholipases A2 and a Kunitz-type protease inhibitor from steppe viper Vipera ursinii renardi. Toxicon, 2011, 57, 332-341. | 0.8 | 30 |
| 46 | Weak neurotoxin from Naja kaouthia cobra venom affects haemodynamic regulation by acting on acetylcholine receptors. Toxicon, 2005, 45, 93-99. | 0.8 | 29 |
| 47 | Heterodimeric neurotoxic phospholipases A2â€"The first proteins from venom of recently established species Vipera nikolskii: Implication of venom composition in viper systematics. Toxicon, 2008, 51, 524-537. | 0.8 | 29 |
| 48 | Azemiopsin, a Selective Peptide Antagonist of Muscle Nicotinic Acetylcholine Receptor: Preclinical Evaluation as a Local Muscle Relaxant. Toxins, 2018, 10, 34. | 1.5 | 28 |
| 49 | Snake venom phospholipase A2s exhibit strong virucidal activity against SARS-CoV-2 and inhibit the viral spike glycoprotein interaction with ACE2. Cellular and Molecular Life Sciences, 2021, 78, 7777-7794. | 2.4 | 28 |
| 50 | Vietnamese Heterometrus laoticus scorpion venom: Evidence for analgesic and anti-inflammatory activity and isolation of new polypeptide toxin acting on Kv1.3 potassium channel. Toxicon, 2014, 77, 40-48. | 0.8 | 27 |
| 51 | Cysteine-rich venom proteins from the snakes of Viperinae subfamily â€" Molecular cloning and phylogenetic relationship. Toxicon, 2009, 53, 162-168. | 0.8 | 26 |
| 52 | Activation of Î±7 Nicotinic Acetylcholine Receptor Upregulates HLA-DR and Macrophage Receptors: Potential Role in Adaptive Immunity and in Preventing Immunosuppression. Biomolecules, 2020, 10, 507. | 1.8 | 26 |
| 53 | Oxiagin from the Naja oxiana cobra venom is the first reprolysin inhibiting the classical pathway of complement. Molecular Immunology, 2005, 42, 1141-1153. | 1.0 | 25 |
| 54 | Diversity of nicotinic receptors mediating Clâˆ' current in Lymnaea neurons distinguished with specific agonists and antagonist. Neuroscience Letters, 2005, 373, 232-236. | 1.0 | 24 |

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| 55 | Phospholipases a2 from Viperidae snakes: Differences in membranotropic activity between enzymatically active toxin and its inactive isoforms. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 463-468. | 1.4 | 24 |
| 56 | Novel long-chain neurotoxins from <i>Bungarus candidus</i> distinguish the two binding sites in muscle-type nicotinic acetylcholine receptors. Biochemical Journal, 2019, 476, 1285-1302. | 1.7 | 24 |
| 57 | Cobra Cytotoxins: Structural Organization and Antibacterial Activity. Acta Naturae, 2014, 6, 11-18. | 1.7 | 24 |
| 58 | Aromatic substitutions in Î±-conotoxin ImI.. Toxicon, 1999, 37, 1683-1695. | 0.8 | 23 |
| 59 | The first representative of glycosylated three-fingered toxins. Cytotoxin from the Naja kaouthia cobra venom. FEBS Journal, 2004, 271, 2018-2027. | 0.2 | 23 |
| 60 | Nicotinic receptors in Lymnaea stagnalis neurons are blocked by Î±-neurotoxins from cobra venoms. Neuroscience Letters, 2001, 309, 189-192. | 1.0 | 22 |
| 61 | Computer modeling of binding of diverse weak toxins to nicotinic acetylcholine receptors. Computational Biology and Chemistry, 2007, 31, 72-81. | 1.1 | 22 |
| 62 | Nicotinic acetylcholine receptors alpha4beta2 and alpha7 regulate myelo- and erythropoiesis within the bone marrow. International Journal of Biochemistry and Cell Biology, 2008, 40, 980-990. | 1.2 | 22 |
| 63 | Pancreatic and snake venom presynaptically active phospholipases A2 inhibit nicotinic acetylcholine receptors. PLoS ONE, 2017, 12, e0186206. | 1.1 | 22 |
| 64 | Threeâ€finger proteins from snakes and humans acting on nicotinic receptors: Old and new. Journal of Neurochemistry, 2021, 158, 1223-1235. | 2.1 | 22 |
| 65 | Antiproliferative Activity of Cobra Venom Cytotoxins. Current Topics in Medicinal Chemistry, 2015, 15, 638-648. | 1.0 | 21 |
| 66 | 19 F NMR determination of intramolecular distances in spin- and fluorine-labelled proteins. FEBS Letters, 1981, 136, 269-274. | 1.3 | 20 |
| 67 | 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. European Journal of Mass Spectrometry, 1995, 1, 313. | 0.7 | 20 |
| 68 | Bacterial production and refolding from inclusion bodies of a â€œWeakâ€• toxin, a disulfide rich protein. Biochemistry (Moscow), 2009, 74, 1142-1149. | 0.7 | 20 |
| 69 | From Synthetic Fragments of Endogenous Three-Finger Proteins to Potential Drugs. Frontiers in Pharmacology, 2019, 10, 748. | 1.6 | 20 |
| 70 | Steered molecular dynamics simulations of cobra cytotoxin interaction with zwitterionic lipid bilayer: No penetration of loop tips into membranes. Computational Biology and Chemistry, 2009, 33, 29-32. | 1.1 | 19 |
| 71 | Towards universal approach for bacterial production of three-finger Ly6/uPAR proteins: Case study of cytotoxin I from cobra N.Âoxiana. Protein Expression and Purification, 2017, 130, 13-20. | 0.6 | 19 |
| 72 | Modern trends in animal venom research - omics and nanomaterials. World Journal of Biological Chemistry, 2017, 8, 4. | 1.7 | 19 |

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| 73 | Central loop of non-conventional toxin WTX from Naja kaouthia is important for interaction with nicotinic acetylcholine receptors. Toxicon, 2016, 119, 274-279. | 0.8 | 18 |
| 74 | Phospholipidic Colchicinoids as Promising Prodrugs Incorporated into Enzyme-Responsive Liposomes: Chemical, Biophysical, and Enzymological Aspects. Bioconjugate Chemistry, 2019, 30, 1098-1113. | 1.8 | 18 |
| 75 | Cardiovascular Effects of Snake Toxins: Cardiotoxicity and Cardioprotection. Acta Naturae, 2021, 13, 4-14. | 1.7 | 18 |
| 76 | Labeling of Torpedo californica nicotinic acetylcholine receptor subunits by cobratoxin derivatives with photoactivatable groups of different chemical nature at Lys23. FEBS Journal, 1998, 253, 229-235. | 0.2 | 17 |
| 77 | alpha-Conotoxin GI benzoylphenylalanine derivatives. 1H-NMR structures and photoaffinity labeling of the Torpedo californica nicotinic acetylcholine receptor. FEBS Journal, 2006, 273, 1373-1388. | 2.2 | 17 |
| 78 | Aging Affects Nicotinic Acetylcholine Receptors in Brain. Central Nervous System Agents in Medicinal Chemistry, 2019, 19, 119-124. | 0.5 | 17 |
| 79 | Photoactivatable Î±-conotoxins reveal contacts with all subunits as well as antagonist-induced rearrangements in theTorpedo californicaacetylcholine receptor. FEBS Journal, 2001, 268, 3664-3673. | 0.2 | 16 |
| 80 | Phospholipase A<sub>2</sub>from krait<i>Bungarus fasciatus</i>venom induces human cancer cell death in vitro. PeerJ, 2019, 7, e8055. | 0.9 | 16 |
| 81 | Naja melanoleuca cobra venom contains two forms of complement-depleting factor (CVF). Toxicon, 2005, 46, 394-403. | 0.8 | 15 |
| 82 | Non-Lethal Polypeptide Components in Cobra Venom. Current Pharmaceutical Design, 2007, 13, 2906-2915. | 0.9 | 15 |
| 83 | Effects of Snake Venom Polypeptides on Central Nervous System. Central Nervous System Agents in Medicinal Chemistry, 2012, 12, 315-328. | 0.5 | 15 |
| 84 | Peptides from puff adder Bitis arietans venom, novel inhibitors of nicotinic acetylcholine receptors. Toxicon, 2016, 121, 70-76. | 0.8 | 15 |
| 85 | Novel Bradykinin-Potentiating Peptides and Three-Finger Toxins from Viper Venom: Combined NGS Venom Gland Transcriptomics and Quantitative Venom Proteomics of the Azemiops feae Viper. Biomedicines, 2020, 8, 249. | 1.4 | 15 |
| 86 | Anionic Lipids: Determinants of Binding Cytotoxins from Snake Venom on the Surface of Cell Membranes. Acta Naturae, 2010, 2, 88-95. | 1.7 | 15 |
| 87 | Detection of Î±7 nicotinic acetylcholine receptors with the aid of antibodies and toxins. Life Sciences, 2007, 80, 2202-2205. | 2.0 | 14 |
| 88 | Nerve Growth Factor from Cobra Venom Inhibits the Growth of Ehrlich Tumor in Mice. Toxins, 2014, 6, 784-795. | 1.5 | 14 |
| 89 | Anticoagulant Activity of Low-Molecular Weight Compounds from Heterometrus laoticus Scorpion Venom. Toxins, 2017, 9, 343. | 1.5 | 14 |
| 90 | Scorpion toxins interact with nicotinic acetylcholine receptors. FEBS Letters, 2019, 593, 2779-2789. | 1.3 | 14 |

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| 91 | Benzophenone-Type Photoactivatable Derivatives of Î±-Neurotoxins and Î±-Conotoxins in Studies onTorpedoNicotinic Acetylcholine Receptor. Journal of Receptor and Signal Transduction Research, 1999, 19, 559-571. | 1.3 | 13 |
| 92 | Influence of phospholipases A2 from snake venoms on survival and neurite outgrowth in pheochromocytoma cell line PC12. Biochemistry (Moscow), 2006, 71, 678-684. | 0.7 | 13 |
| 93 | Behavioural Effects in Mice and Intoxication Symptomatology of Weak Neurotoxin from Cobra Naja kaouthia. Basic and Clinical Pharmacology and Toxicology, 2007, 100, 273-278. | 1.2 | 13 |
| 94 | Î±-conotoxins revealed different roles of nicotinic cholinergic receptor subtypes in oncogenesis of Ehrlich tumor and in the associated inflammation. Doklady Biochemistry and Biophysics, 2015, 463, 216-219. | 0.3 | 13 |
| 95 | Impact of membrane partitioning on the spatial structure of an S-type cobra cytotoxin. Journal of Biomolecular Structure and Dynamics, 2018, 36, 3463-3478. | 2.0 | 13 |
| 96 | Effects of Cardiotoxins from Naja oxiana Cobra Venom on Rat Heart Muscle and Aorta: A Comparative Study of Toxin-Induced Contraction Mechanisms. Toxins, 2022, 14, 88. | 1.5 | 13 |
| 97 | Intracellular domains of the Î´-subunits of Torpedo and rat acetylcholine receptorsâ€"expression, purification, and characterization. Protein Expression and Purification, 2004, 38, 237-247. | 0.6 | 12 |
| 98 | Functions, structures and Triton X-100 effect for the catalytic subunits of heterodimeric phospholipases A2 from Vipera nikolskii venom. Toxicon, 2009, 54, 709-716. | 0.8 | 12 |
| 99 | Î±-Conotoxins and Î±-Cobratoxin Promote, while Lipoxygenase and Cyclooxygenase Inhibitors Suppress the Proliferation of Glioma C6 Cells. Marine Drugs, 2021, 19, 118. | 2.2 | 11 |
| 100 | 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. FEBS Journal, 1995, 228, 947-954. | 0.2 | 11 |
| 101 | Brain and Quantum Dots: Benefits of Nanotechnology for Healthy and Diseased Brain. Central Nervous System Agents in Medicinal Chemistry, 2018, 18, 193-205. | 0.5 | 10 |
| 102 | Antiviral Effects of Animal Toxins: Is There a Way to Drugs?. International Journal of Molecular Sciences, 2022, 23, 3634. | 1.8 | 10 |
| 103 | Muramyl peptides bind specifically to rat brain membranes. FEBS Letters, 1989, 248, 78-82. | 1.3 | 9 |
| 104 | A comparative study on selectivity of alpha-conotoxins GI and ImI using their synthetic analogues and derivatives. Neurochemical Research, 2003, 28, 599-606. | 1.6 | 9 |
| 105 | Hetlaxin, a new toxin from the Heterometrus laoticus scorpion venom, interacts with voltage-gated potassium channel Kv1.3. Doklady Biochemistry and Biophysics, 2013, 449, 109-111. | 0.3 | 9 |
| 106 | Heterodimeric V.Ânikolskii phospholipases A2 induce aggregation of the lipid bilayer. Toxicon, 2017, 133, 169-179. | 0.8 | 9 |
| 107 | Synthesis of nitrodiazirinyl derivatives of neurotoxin II fromNaja naja oxiana and their interaction with theTorpedo californica nicotinic acetylcholine receptor. The Protein Journal, 1995, 14, 197-203. | 1.1 | 8 |
| 108 | Low-molecular-weight compounds with anticoagulant activity from the scorpion Heterometrus laoticus venom. Doklady Biochemistry and Biophysics, 2017, 476, 316-319. | 0.3 | 8 |

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|---|---|---|---|
| 109 | Î±-Conotoxins Enhance both the In Vivo Suppression of Ehrlich carcinoma Growth and In Vitro Reduction in Cell Viability Elicited by Cyclooxygenase and Lipoxygenase Inhibitors. Marine Drugs, 2020, 18, 193. | 2.2 | 8 |
| 110 | Anti-HIV Activity of Snake Venom Phospholipase A2s: Updates for New Enzymes and Different Virus Strains. International Journal of Molecular Sciences, 2022, 23, 1610. | 1.8 | 8 |
| 111 | Î±-Bungarotoxin interacts with the rat brain tachykinin receptors. FEBS Letters, 1989, 255, 111-115. | 1.3 | 7 |
| 112 | Venoms of kraits Bungarus multicinctus and Bungarus fasciatus contain anticoagulant proteins. Doklady Biochemistry and Biophysics, 2015, 460, 53-58. | 0.3 | 7 |
| 113 | Screening Snake Venoms for Toxicity to Tetrahymena Pyriformis Revealed Anti-Protozoan Activity of Cobra Cytotoxins. Toxins, 2020, 12, 325. | 1.5 | 7 |
| 114 | Novel Three-Finger Neurotoxins from Naja melanoleuca Cobra Venom Interact with GABAA and Nicotinic Acetylcholine Receptors. Toxins, 2021, 13, 164. | 1.5 | 7 |
| 115 | Marine Origin Ligands of Nicotinic Receptors: Low Molecular Compounds, Peptides and Proteins for Fundamental Research and Practical Applications. Biomolecules, 2022, 12, 189. | 1.8 | 7 |
| 116 | Toxinsâ€™ classification through Raman spectroscopy with principal component analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121276. | 2.0 | 7 |
| 117 | Structure and Conformational Heterogeneity of a Weak Toxin from the Cobra Naja kaouthiaVenom. Russian Journal of Bioorganic Chemistry, 2001, 27, 72-83. | 0.3 | 6 |
| 118 | Isolation and preliminary crystallographic studies of two new phospholipases A2fromVipera nikolskiivenom. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 189-192. | 0.7 | 6 |
| 119 | Nerve growth factor suppresses Ehrlich carcinoma growth. Doklady Biochemistry and Biophysics, 2013, 451, 207-208. | 0.3 | 6 |
| 120 | Cobra cytotoxins: determinants of antibacterial activity. Mendeleev Communications, 2015, 25, 70-71. | 0.6 | 6 |
| 121 | Nanoencapsulation Enhances Anticoagulant Activity of Adenosine and Dipeptide IleTrp. Nanomaterials, 2019, 9, 1191. | 1.9 | 6 |
| 122 | Editorial: Animal Toxins as Comprehensive Pharmacological Tools to Identify Diverse Ion Channels. Frontiers in Pharmacology, 2019, 10, 423. | 1.6 | 6 |
| 123 | Nerve growth factor from Indian Russellâ€™s viper venom (RVV-NGFa) shows high affinity binding to TrkA receptor expressed in breast cancer cells: Application of fluorescence labeled RVV-NGFa in the clinical diagnosis of breast cancer. Biochimie, 2020, 176, 31-44. | 1.3 | 6 |
| 124 | The new COST Action European Venom Network (EUVEN)â€"synergy and future perspectives of modern venomics. GigaScience, 2021, 10, . | 3.3 | 6 |
| 125 | Variability in the Spatial Structure of the Central Loop in Cobra Cytotoxins Revealed by X-ray Analysis and Molecular Modeling. Toxins, 2022, 14, 149. | 1.5 | 6 |
| 126 | Substance P derivatives with photoactivatable labels in the Nâ€terminal part of the molecule. Chemical Biology and Drug Design, 1997, 50, 408-414. | 1.2 | 5 |

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| 127 | Interaction of three-finger proteins from snake venoms and from mammalian brain with the cys-loop receptors and their models. Doklady Biochemistry and Biophysics, 2016, 468, 193-196. | 0.3 | 5 |
| 128 | Intraspecific Variability in the Composition of the Venom from Monocled Cobra (Naja kaouthia). Russian Journal of Bioorganic Chemistry, 2019, 45, 107-121. | 0.3 | 5 |
| 129 | SPIN AND FLUORESCENCE LABELED NEUROTOXIN II. CONFORMATIONAL STUDIES AND INTERACTION OF THE TOXIN WITH THE ACETYLCHOLINE RECEPTOR. , 1980, , 523-530. | | 5 |
| 130 | Reverse-Phase Chromatography Isolation and MALDI Mass Spectrometry of the Acetylcholine Receptor Subunits. Protein Expression and Purification, 1998, 12, 226-232. | 0.6 | 4 |
| 131 | The new peptide from the Feaâ€™s viper Azemiops feae venom interacts with nicotinic acetylcholine receptors. Doklady Biochemistry and Biophysics, 2012, 442, 33-35. | 0.3 | 4 |
| 132 | Novel antagonists of nicotinic acetylcholine receptorsâ€"proteins from venoms of Viperidae snakes. Doklady Biochemistry and Biophysics, 2015, 461, 119-122. | 0.3 | 4 |
| 133 | Cobra Venom Factor and Ketoprofen Abolish the Antitumor Effect of Nerve Growth Factor from Cobra Venom. Toxins, 2017, 9, 274. | 1.5 | 4 |
| 134 | Antibacterial activity of cardiotoxin-like basic polypeptide from cobra venom. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126890. | 1.0 | 4 |
| 135 | Interaction of Î±9Î±10 Nicotinic Receptors With Peptides and Proteins From Animal Venoms. Frontiers in Cellular Neuroscience, 2021, 15, 765541. | 1.8 | 4 |
| 136 | The MALDI mass spectrometry in the identification of new proteins in snake venoms. Russian Journal of Bioorganic Chemistry, 2000, 26, 721-724. | 0.3 | 3 |
| 137 | Toxicity of cobra venom components to cockroach Gromphadorhina portentosa. Toxicon, 2002, 40, 1507-1509. | 0.8 | 3 |
| 138 | Polyclonal antibodies against native weak toxin Naja kaouthia discriminate native weak toxins and some other three-fingered toxins against their denaturated forms. Toxicon, 2005, 46, 24-30. | 0.8 | 3 |
| 139 | Nonconventional three-finger toxin BMLCL from krait Bungarus multicinctus venom with high affinity interacts with nicotinic acetylcholine receptors. Doklady Biochemistry and Biophysics, 2015, 464, 294-297. | 0.3 | 3 |
| 140 | Effect of a peptide modeling the nicotinic receptor binding site on the spectral and luminescent properties of dye complexes with cucurbit[8]uril. High Energy Chemistry, 2016, 50, 121-126. | 0.2 | 3 |
| 141 | Conjugates of Î±-Cobratoxin with CdSe Quantum Dots: Preparation and Biological Activity. Nano Hybrids and Composites, 0, 13, 3-8. | 0.8 | 3 |
| 142 | Animal Venoms and Their Components: Molecular Mechanisms of Action. Toxins, 2021, 13, 415. | 1.5 | 3 |
| 143 | Snake Venom Polypeptides Affecting the Central Nervous System. Central Nervous System Agents in Medicinal Chemistry, 2007, 7, 97-107. | 0.5 | 3 |
| 144 | Snake Venom Toxins Targeted at the Nervous System. , 2017, , 189-214. | | 3 |

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| 145 | Analysis of nociceptive effects of neurotoxic phospholipase A2 from Vipera nikolskii venom in mice. Journal of Venom Research, 2013, 4, 1-4. | 0.6 | 3 |
| 146 | Direct Cloning of a Target Gene from a Pool of Homologous Sequences: Complete cDNA Sequence of a Weak Neurotoxin from Cobra Naja kaouthia. IUBMB Life, 2003, 55, 43-47. | 1.5 | 2 |
| 147 | Î±-Conotoxin Analogs With Enhanced Affinity for Nicotinic Receptors and Acetylcholine-Binding Proteins. Journal of Molecular Neuroscience, 2006, 30, 77-78. | 1.1 | 2 |
| 148 | Pr-SNTX, a short-chain three-finger toxin from Papuan pigmy mulga snake, is an antagonist of muscle-type nicotinic acetylcholine receptor (Î±2Î²Î³Î¼). Bioscience, Biotechnology and Biochemistry, 2016, 80, 158-161. | 0.6 | 2 |
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