Mikhail A Shulepko

List of Publications by Year
in descending order

25	687	516710 16	580821 25
papers	citations	h-index	g-index

25	25	25	643
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NMR Structure and Action on Nicotinic Acetylcholine Receptors of Water-soluble Domain of Human LYNX1. Journal of Biological Chemistry, 2011, 286, 10618-10627.	3.4	87
2	Human Secreted Ly-6/uPAR Related Protein-1 (SLURP-1) Is a Selective Allosteric Antagonist of Î±7 Nicotinic Acetylcholine Receptor. PLoS ONE, 2016, 11, e0149733.	2.5	65
3	Water-soluble LYNX1 Residues Important for Interaction with Muscle-type and/or Neuronal Nicotinic Receptors. Journal of Biological Chemistry, 2013, 288, 15888-15899.	3.4	48
4	Structural and Functional Characterization of Alternative Transmembrane Domain Conformations in VEGF Receptor 2 Activation. Structure, 2014, 22, 1077-1089.	3.3	43
5	Lipidâ€“protein nanodiscs promote in vitro folding of transmembrane domains of multi-helical and multimeric membrane proteins. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 776-784.	2.6	42
6	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.	3.4	37
7	Water-soluble variant of human Lynx1 induces cell cycle arrest and apoptosis in lung cancer cells via modulation of Î±7 nicotinic acetylcholine receptors. PLoS ONE, 2019, 14, e0217339.	2.5	37
8	Expression of the Ly-6 family proteins Lynx1 and Ly6H in the rat brain is compartmentalized, cell-type specific, and developmentally regulated. Brain Structure and Function, 2014, 219, 1923-1934.	2.3	33
9	NMR-based approach to measure the free energy of transmembrane helixâ€“helix interactions. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 164-172.	2.6	32
10	Lynx1 and AÎ²1â€“42 bind competitively to multiple nicotinic acetylcholine receptor subtypes. Neurobiology of Aging, 2016, 46, 13-21.	3.1	32
11	Specific Membrane Binding of Neurotoxin II Can Facilitate Its Delivery to Acetylcholine Receptor. Biophysical Journal, 2009, 97, 2089-2097.	0.5	31
12	Structural investigation of influenza virus hemagglutinin membrane-anchoring peptide. Protein Engineering, Design and Selection, 2013, 26, 547-552.	2.1	27
13	Waterâ€soluble variant of human Lynx1 positively modulates synaptic plasticity and ameliorates cognitive impairment associated with Î±7â€nAChR dysfunction. Journal of Neurochemistry, 2020, 155, 45-61.	3.9	23
14	Mambalgin-2 Induces Cell Cycle Arrest and Apoptosis in Glioma Cells via Interaction with ASIC1a. Cancers, 2020, 12, 1837.	3.7	21
15	Central loop of non-conventional toxin WTX from Naja kaouthia is important for interaction with nicotinic acetylcholine receptors. Toxicon, 2016, 119, 274-279.	1.6	18
16	Human secreted protein SLURP-1 abolishes nicotine-induced proliferation, PTEN down-regulation and Î±7-nAChR expression up-regulation in lung cancer cells. International Immunopharmacology, 2020, 82, 106303.	3.8	18
17	Multiple Modulation of Acid-Sensing Ion Channel 1a by the Alkaloid Daurisoline. Biomolecules, 2019, 9, 336.	4.0	17
18	SLURP-1 Controls Growth and Migration of Lung Adenocarcinoma Cells, Forming a Complex With Î±7-nAChR and PDGFR/EGFR Heterodimer. Frontiers in Cell and Developmental Biology, 2021, 9, 739391.	3.7	16

#	Article	IF	Citations
19	Structural Diversity and Dynamics of Human Three-Finger Proteins Acting on Nicotinic Acetylcholine Receptors. International Journal of Molecular Sciences, 2020, 21, 7280.	4.1	14
20	Human Three-Finger Protein Lypd6 Is a Negative Modulator of the Cholinergic System in the Brain. Frontiers in Cell and Developmental Biology, 2021, 9, 662227.	3.7	10
21	Biochemical Basis of Skin Disease Mal de Meleda: SLURP-1 Mutants Differently Affect Keratinocyte Proliferation and Apoptosis. Journal of Investigative Dermatology, 2021, 141, 2229-2237.	0.7	9
22	Mambalgin-2 Inhibits Growth, Migration, and Invasion of Metastatic Melanoma Cells by Targeting the Channels Containing an ASIC1a Subunit Whose Up-Regulation Correlates with Poor Survival Prognosis. Biomedicines, 2021, 9, 1324.	3.2	9
23	Structural and Dynamic â€œPortraitsâ€•of Recombinant and Native Cytotoxin I from Naja oxiana: How Close Are They?. Biochemistry, 2017, 56, 4468-4477.	2.5	8
24	Extracellular Vesicles Derived from Acidified Metastatic Melanoma Cells Stimulate Growth, Migration, and Stemness of Normal Keratinocytes. Biomedicines, 2022, 10, 660.	3.2	6
25	Cell-Free Expression of Sodium Channel Domains for Pharmacology Studies. Noncanonical Spider Toxin Binding Site in the Second Voltage-Sensing Domain of Human Nav1.4 Channel. Frontiers in Pharmacology, 2019, 10, 953.	3.5	4