Igor E Kasheverov

List of Publications by Year in Descending Order

45 papers	1,113 citations	18 h-index	32 g-index
47 ext. papers	1,280 ext. citations	5.1 avg, IF	3.8 L-index

#	Paper	IF	Citations
45	Marine Origin Ligands of Nicotinic Receptors: Low Molecular Compounds, Peptides and Proteins for Fundamental Research and Practical Applications.. *Biomolecules*, **2022**, 12,	5.9	3
44	Snake Toxins Labeled by Green Fluorescent Protein or Its Synthetic Chromophore are New Probes for Nicotinic acetylcholine Receptors.. *Frontiers in Molecular Biosciences*, **2021**, 8, 753283	5.6	
43	Three-finger proteins from snakes and humans acting on nicotinic receptors: Old and new. *Journal of Neurochemistry*, **2021**, 158, 1223-1235	6	8
42	Scope and limitations of pseudoprolines as individual amino acids in peptide synthesis. *Amino Acids*, **2021**, 53, 665-671	3.5	1
41	910 nicotinic acetylcholine receptors regulate murine bone marrow granulocyte functions. *Immunobiology*, **2021**, 226, 152047	3.4	4
40	Point Mutations of Nicotinic Receptor 1 Subunit Reveal New Molecular Features of G153S Slow-Channel Myasthenia. *Molecules*, **2021**, 26,	4.8	2
39	Novel Three-Finger Neurotoxins from Cobra Venom Interact with GABA and Nicotinic Acetylcholine Receptors. *Toxins*, **2021**, 13,	4.9	3
38	Interaction of 910 Nicotinic Receptors With Peptides and Proteins From Animal Venoms.. *Frontiers in Cellular Neuroscience*, **2021**, 15, 765541	6.1	0
37	Complex approach for analysis of snake venom neurotoxins binding to HAP, the high-affinity peptide. *Scientific Reports*, **2020**, 10, 3861	4.9	6
36	Arachidonoylcholine and Other Unsaturated Long-Chain Acylcholines Are Endogenous Modulators of the Acetylcholine Signaling System. *Biomolecules*, **2020**, 10,	5.9	5
35	High Selectivity of an Conotoxin LvIA Analogue for 32 Nicotinic Acetylcholine Receptors Is Mediated by 2 Functionally Important Residues. *Journal of Medicinal Chemistry*, **2020**, 63, 13656-13668	8.3	7
34	Crystal Structure of the Monomeric Extracellular Domain of 9 Nicotinic Receptor Subunit in Complex With Conotoxin RgIA: Molecular Dynamics Insights Into RgIA Binding to 910 Nicotinic Receptors. *Frontiers in Pharmacology*, **2019**, 10, 474	5.6	25
33	Novel long-chain neurotoxins from distinguish the two binding sites in muscle-type nicotinic acetylcholine receptors. *Biochemical Journal*, **2019**, 476, 1285-1302	3.8	13
32	From Synthetic Fragments of Endogenous Three-Finger Proteins to Potential Drugs. *Frontiers in Pharmacology*, **2019**, 10, 748	5.6	8
31	Isomerization of Asp7 in Beta-Amyloid Enhances Inhibition of the 7 Nicotinic Receptor and Promotes Neurotoxicity. *Cells*, **2019**, 8,	7.9	13
30	Scorpion toxins interact with nicotinic acetylcholine receptors. *FEBS Letters*, **2019**, 593, 2779-2789	3.8	6
29	Oligoarginine Peptides, a New Family of Nicotinic Acetylcholine Receptor Inhibitors. *Molecular Pharmacology*, **2019**, 96, 664-673	4.3	7

28	Curare alkaloids from Matis Dart Poison: Comparison with d-tubocurarine in interactions with nicotinic, 5-HT3 serotonin and GABAA receptors. *PLoS ONE*, **2019**, 14, e0210182	3.7	11
27	Species specificity of rat and human nicotinic acetylcholine receptors towards different classes of peptide and protein antagonists. *Neuropharmacology*, **2018**, 139, 226-237	5.5	12
26	Pancreatic and snake venom presynaptically active phospholipases A2 inhibit nicotinic acetylcholine receptors. *PLoS ONE*, **2017**, 12, e0186206	3.7	16
25	Interaction of Synthetic Human SLURP-1 with the Nicotinic Acetylcholine Receptors. *Scientific Reports*, **2017**, 7, 16606	4.9	16
24	High-Affinity Conotoxin PnIA Analogs Designed on the Basis of the Protein Surface Topography Method. *Scientific Reports*, **2016**, 6, 36848	4.9	20
23	From crystal structure of conotoxin GIC in complex with Ac-AChBP to molecular determinants of its high selectivity for 2 nAChR. *Scientific Reports*, **2016**, 6, 22349	4.9	35
22	Central loop of non-conventional toxin WTX from Naja kaouthia is important for interaction with nicotinic acetylcholine receptors. *Toxicon*, **2016**, 119, 274-9	2.8	16
21	Human Secreted Ly-6/uPAR Related Protein-1 (SLURP-1) Is a Selective Allosteric Antagonist of Nicotinic Acetylcholine Receptor. *PLoS ONE*, **2016**, 11, e0149733	3.7	51
20	Development of a recombinant immunotoxin for the immunotherapy of autoreactive lymphocytes expressing MOG-specific BCRs. *Biotechnology Letters*, **2016**, 38, 1173-80	3	3
19	Natural compounds interacting with nicotinic acetylcholine receptors: from low-molecular weight ones to peptides and proteins. *Toxins*, **2015**, 7, 1683-701	4.9	23
18	Neurotoxins from snake venoms and conotoxin ImI inhibit functionally active ionotropic aminobutyric acid (GABA) receptors. *Journal of Biological Chemistry*, **2015**, 290, 22747-58	5.4	38
17	Marine natural products acting on the acetylcholine-binding protein and nicotinic receptors: from computer modeling to binding studies and electrophysiology. *Marine Drugs*, **2014**, 12, 1859-75	6	22
16	Inhibition of nicotinic acetylcholine receptors, a novel facet in the pleiotropic activities of snake venom phospholipases A2. *PLoS ONE*, **2014**, 9, e115428	3.7	24
15	Water-soluble LYNX1 residues important for interaction with muscle-type and/or neuronal nicotinic receptors. *Journal of Biological Chemistry*, **2013**, 288, 15888-99	5.4	38
14	Dimeric cobratoxin X-ray structure: localization of intermolecular disulfides and possible mode of binding to nicotinic acetylcholine receptors. *Journal of Biological Chemistry*, **2012**, 287, 6725-34	5.4	28
13	NMR structure and action on nicotinic acetylcholine receptors of water-soluble domain of human LYNX1. *Journal of Biological Chemistry*, **2011**, 286, 10618-27	5.4	68
12	Design of new conotoxins: from computer modeling to synthesis of potent cholinergic compounds. *Marine Drugs*, **2011**, 9, 1698-714	6	24
11	Naturally occurring and synthetic peptides acting on nicotinic acetylcholine receptors. *Current Pharmaceutical Design*, **2009**, 15, 2430-52	3.3	40

10	Polypeptide and peptide toxins, magnifying lenses for binding sites in nicotinic acetylcholine receptors. *Biochemical Pharmacology*, **2009**, 78, 720-31	6	64
9	Interaction of alpha-conotoxin ImII and its analogs with nicotinic receptors and acetylcholine-binding proteins: additional binding sites on Torpedo receptor. *Journal of Neurochemistry*, **2009**, 111, 934-44	6	19
8	Naturally occurring disulfide-bound dimers of three-fingered toxins: a paradigm for biological activity diversification. *Journal of Biological Chemistry*, **2008**, 283, 14571-80	5.4	63
7	alpha-Conotoxin GI benzoylphenylalanine derivatives. (1)H-NMR structures and photoaffinity labeling of the Torpedo californica nicotinic acetylcholine receptor. *FEBS Journal*, **2006**, 273, 1373-88	5.7	13
6	Alpha-conotoxin analogs with additional positive charge show increased selectivity towards Torpedo californica and some neuronal subtypes of nicotinic acetylcholine receptors. *FEBS Journal*, **2006**, 273, 4470-81	5.7	29
5	Crystal structure of nicotinic acetylcholine receptor homolog AChBP in complex with an alpha-conotoxin PnIA variant. *Nature Structural and Molecular Biology*, **2005**, 12, 582-8	17.6	287
4	A comparative study on selectivity of alpha-conotoxins GI and ImI using their synthetic analogues and derivatives. *Neurochemical Research*, **2003**, 28, 599-606	4.6	7
3	Photoactivatable alpha-conotoxins reveal contacts with all subunits as well as antagonist-induced rearrangements in the Torpedo californica acetylcholine receptor. *FEBS Journal*, **2001**, 268, 3664-73		12
2	Labeling of Torpedo californica nicotinic acetylcholine receptor subunits by cobratoxin derivatives with photoactivatable groups of different chemical nature at Lys23. *FEBS Journal*, **1998**, 253, 229-35		15
1	Substance P derivatives with photoactivatable labels in the N-terminal part of the molecule. *Chemical Biology and Drug Design*, **1997**, 50, 408-14		4