Kirill D Nadezhdin

List of Publications by Year
in descending order

35	1,015	471477	434170
papers	citations	17 h-index	31 g-index

39	39	39	1072
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural mechanism of TRPV3 channel inhibition by the anesthetic dyclonine. Nature Communications, 2022, 13, 2795.	12.8	17
2	Structural snapshots of the mechanism of TRPV2 channel activation by small-molecule agonists. Cell Calcium, 2022, 105, 102607.	2.4	0
3	Structure and function of the calciumâ€selective TRP channel TRPV6. Journal of Physiology, 2021, 599, 2673-2697.	2.9	29
4	TRPV3 expression and purification for structure determination by Cryo-EM. Methods in Enzymology, 2021, 652, 31-48.	1.0	11
5	Extracellular cap domain is an essential component of the TRPV1 gating mechanism. Nature Communications, 2021, 12, 2154.	12.8	40
6	Structural mechanism of heat-induced opening of a temperature-sensitive TRP channel. Nature Structural and Molecular Biology, 2021, 28, 564-572.	8.2	76
7	Interaction between the transmembrane domains of neurotrophin receptors p75 and TrkA mediates their reciprocal activation. Journal of Biological Chemistry, 2021, 297, 100926.	3.4	8
8	Structural mechanism of TRPV3 channel inhibition by the plantâ€derived coumarin osthole. EMBO Reports, 2021, 22, e53233.	4.5	26
9	Structural mechanisms of TRPV6 inhibition by ruthenium red and econazole. Nature Communications, 2021, 12, 6284.	12.8	30
10	All-d-Enantiomeric Peptide D3 Designed for Alzheimerâ€™s Disease Treatment Dynamically Interacts with Membrane-Bound Amyloid-Î² Precursors. Journal of Medicinal Chemistry, 2021, 64, 16464-16479.	6.4	7
11	Structural basis of the transmembrane domain dimerization and rotation in the activation mechanism of the TRKA receptor by nerve growth factor. Journal of Biological Chemistry, 2020, 295, 275-286.	3.4	22
12	Inactivation-mimicking block of the epithelial calcium channel TRPV6. Science Advances, 2020, 6, .	10.3	22
13	Revising the mechanism of p75NTR activation: intrinsically monomeric state of death domains invokes the "helper" hypothesis. Scientific Reports, 2020, 10, 13686.	3.3	7
14	Purification of native CCL7 and its functional interaction with selected chemokine receptors. Protein Expression and Purification, 2020, 171, 105617.	1.3	6
15	Medicinal leech antimicrobial peptides lacking toxicity represent a promising alternative strategy to combat antibiotic-resistant pathogens. European Journal of Medicinal Chemistry, 2019, 180, 143-153.	5.5	17
16	Familial L723P Mutation Can Shift the Distribution between the Alternative APP Transmembrane Domain Cleavage Cascades by Local Unfolding of the Î•-Cleavage Site Suggesting a Straightforward Mechanism of Alzheimerâ€™s Disease Pathogenesis. ACS Chemical Biology, 2019, 14, 1573-1582.	3.4	13
17	NMR structure of a fullâ€length singleâ€pass membrane protein NRADD. Proteins: Structure, Function and Bioinformatics, 2019, 87, 786-790.	2.6	4
18	Modular toxin from the lynx spider Oxyopes takobius: Structure of spiderine domains in solution and membraneâ€mimicking environment. Protein Science, 2017, 26, 611-616.	7.6	10

#	Article	IF	Citations
19	FaÃ§ade detergents as bicelle rim-forming agents for solution NMR spectroscopy. Nanotechnology Reviews, 2017, 6, 93-103.	5.8	9
20	Membrane mimetics for solution NMR studies of membrane proteins. Nanotechnology Reviews, 2017, 6, 15-32.	5.8	25
21	Cell-free expression of the APP transmembrane fragments with Alzheimer's disease mutations using algal amino acid mixture for structural NMR studies. Protein Expression and Purification, 2016, 123, 105-111.	1.3	12
22	Structural Basis of p75 Transmembrane Domain Dimerization. Journal of Biological Chemistry, 2016, 291, 12346-12357.	3.4	27
23	Structure of purotoxin-2 from wolf spider: modular design and membrane-assisted mode of action in arachnid toxins. Biochemical Journal, 2016, 473, 3113-3126.	3.7	16
24	Characterization of Small Isotropic Bicelles with Various Compositions. Langmuir, 2016, 32, 6624-6637.	3.5	47
25	AsLn2, a luciferin-related modified tripeptide from the bioluminescent earthworm Fridericia heliota. Tetrahedron Letters, 2014, 55, 463-465.	1.4	12
26	Bacterial and cell-free production of APP671-726 containing amyloid precursor protein transmembrane and metal-binding domains. Biochemistry (Moscow), 2013, 78, 1263-1271.	1.5	6
27	Structure of Transmembrane Domain and Dimerization Mechanism of Amyloid Precursor Protein. Biophysical Journal, 2012, 102, 263a.	0.5	0
28	Dimeric structure of transmembrane domain of amyloid precursor protein in micellar environment. FEBS Letters, 2012, 586, 1687-1692.	2.8	77
29	Novel peptide from spider venom inhibits P2X3 receptors and inflammatory pain. Annals of Neurology, 2010, 67, 680-683.	5.3	55
30	Isolation, Structure Elucidation, and Synergistic Antibacterial Activity of a Novel Two-Component Lantibiotic Lichenicidin from Bacillus licheniformis VK21. Biochemistry, 2010, 49, 6462-6472.	2.5	67
31	Divalent cation coordination and mode of membrane interaction in cyclotides: NMR spatial structure of ternary complex Kalata B7/Mn2+/DPC micelle. Journal of Inorganic Biochemistry, 2008, 102, 1246-1256.	3.5	56
32	Molecular insight into mechanism of antimicrobial action of the Î²â€hairpin peptide arenicin: Specific oligomerization in detergent micelles. Biopolymers, 2008, 89, 455-464.	2.4	43
33	Recombinant expression, synthesis, purification, and solution structure of arenicin. Biochemical and Biophysical Research Communications, 2007, 360, 156-162.	2.1	70
34	Antiamoebin I in Methanol Solution: Rapid Exchange between Right-Handed and Left-Handed310-Helical Conformations. Chemistry and Biodiversity, 2007, 4, 1219-1242.	2.1	23
35	Conformation and mode of membrane interaction in cyclotides. FEBS Journal, 2006, 273, 2658-2672.	4.7	124