

Konstantin Mineev

List of Publications by Year in descending order

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89
papers

2,262
citations

218592

26
h-index

243529

44
g-index

97
all docs

97
docs citations

97
times ranked

2335
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression, purification and characterization of SORCS2 intracellular domain for structural studies. Protein Expression and Purification, 2022, 193, 106058.	0.6	0
2	Intrinsically disordered regions couple the ligand binding and kinase activation of Trk neurotrophin receptors. IScience, 2022, 25, 104348.	1.9	2
3	Streptocinnamides A and B, Depsipeptides from <i>Streptomyces</i> sp. KMM 9044. Organic Letters, 2022, 24, 4892-4895.	2.4	4
4	Structure-based rational design of an enhanced fluorogen-activating protein for fluorogens based on GFP chromophore. Communications Biology, 2022, 5, .	2.0	5
5	Imidazol-5-ones as a substrate for [1,5]-hydride shift triggered cyclization. New Journal of Chemistry, 2021, 45, 1805-1808.	1.4	11
6	NanoFAST: structure-based design of a small fluorogen-activating protein with only 98 amino acids. Chemical Science, 2021, 12, 6719-6725.	3.7	22
7	New Insectotoxin from Tibellus Oblongus Spider Venom Presents Novel Adaptation of ICK Fold. Toxins, 2021, 13, 29.	1.5	7
8	Targeting the transmembrane domain 5 of latent membrane protein 1 using small molecule modulators. European Journal of Medicinal Chemistry, 2021, 214, 113210.	2.6	2
9	Structure of MeuNaTx1 toxin from scorpion venom highlights the importance of the nest motif. Proteins: Structure, Function and Bioinformatics, 2021, 89, 1055-1060.	1.5	3
10	Sampling the cultivation parameter space for the bacterial production of TLR1 intracellular domain reveals the multiple optima. Protein Expression and Purification, 2021, 181, 105832.	0.6	1
11	Modulation of Toll-like receptor 1 intracellular domain structure and activity by Zn ²⁺ ions. Communications Biology, 2021, 4, 1003.	2.0	7
12	Interaction between the transmembrane domains of neurotrophin receptors p75 and TrkA mediates their reciprocal activation. Journal of Biological Chemistry, 2021, 297, 100926.	1.6	8
13	Unexpected Coelenterazine Degradation Products of <i>Beroë abyssicola</i> Photoprotein Photoinactivation. Organic Letters, 2021, 23, 6846-6849.	2.4	6
14	Spatial Structure and Activity of Synthetic Fragments of Lynx1 and of Nicotinic Receptor Loop C Models. Biomolecules, 2021, 11, 1.	1.8	48
15	Archaeal cyclopentane fragment in a surfactant's hydrophobic tail decreases the Krafft point. Soft Matter, 2020, 16, 1333-1341.	1.2	2
16	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.	1.6	22
17	Synthesis of 5-(aminomethylidene)imidazol-4-ones by using N,N-dialkylformamide acetals. Chemistry of Heterocyclic Compounds, 2020, 56, 1097-1099.	0.6	2
18	Revising the mechanism of p75NTR activation: intrinsically monomeric state of death domains invokes the "helper" hypothesis. Scientific Reports, 2020, 10, 13686.	1.6	7

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19	Oligomerization analysis as a tool to elucidate the mechanism of EBV latent membrane protein 1 inhibition by pentamidine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183380.	1.4	8
20	Imidazol-5-one as an Acceptor in Donor-acceptor Cyclopropanes: Cycloaddition with Aldehydes. <i>Organic Letters</i> , 2020, 22, 2740-2745.	2.4	16
21	Synthesis of methylsulfanyl analogs of Kaede protein chromophore. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 399-402.	0.6	1
22	Targeting trimeric transmembrane domain 5 of oncogenic latent membrane protein 1 using a computationally designed peptide. <i>Chemical Science</i> , 2019, 10, 7584-7590.	3.7	10
23	Protein surface topography as a tool to enhance the selective activity of a potassium channel blocker. <i>Journal of Biological Chemistry</i> , 2019, 294, 18349-18359.	1.6	10
24	NMR structure of a full-length single-pass membrane protein NRADD. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 786-790.	1.5	4
25	Enamine-azide [2+3]-cycloaddition as a method to introduce functional groups into fluorescent dyes. <i>Tetrahedron Letters</i> , 2019, 60, 456-459.	0.7	5
26	Phase Transitions in Small Isotropic Bicelles. <i>Langmuir</i> , 2018, 34, 3426-3437.	1.6	11
27	Cover Image, Volume 86, Issue 10. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, C4-C4.	1.5	0
28	A Novel Lipopeptaibol Emericellipsin A with Antimicrobial and Antitumor Activity Produced by the Extremophilic Fungus <i>Emericellopsis alkalina</i> . <i>Molecules</i> , 2018, 23, 2785.	1.7	53
29	Probing the effect of membrane contents on transmembrane protein-protein interaction using solution NMR and computer simulations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2486-2498.	1.4	10
30	CARD domain of rat RIP2 kinase: Refolding, solution structure, pH-dependent behavior and protein-protein interactions. <i>PLoS ONE</i> , 2018, 13, e0206244.	1.1	9
31	Refined structure of BeM9 reveals arginine hand, an overlooked structural motif in scorpion toxins affecting sodium channels. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 1117-1122.	1.5	5
32	Behavior of Most Widely Spread Lipids in Isotropic Bicelles. <i>Langmuir</i> , 2018, 34, 8302-8313.	1.6	8
33	Derivatives of Azidocinnamic Acid in the Synthesis of 2-Amino-4-Arylidene-1H-Imidazol-5(4H)-Ones. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 625-629.	0.6	5
34	Ligand Binding Properties of the Lentil Lipid Transfer Protein: Molecular Insight into the Possible Mechanism of Lipid Uptake. <i>Biochemistry</i> , 2017, 56, 1785-1796.	1.2	27
35	Mechanism and color modulation of fungal bioluminescence. <i>Science Advances</i> , 2017, 3, e1602847.	4.7	74
36	Yellow and Orange Fluorescent Proteins with Tryptophan-based Chromophores. <i>ACS Chemical Biology</i> , 2017, 12, 1867-1873.	1.6	6

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37	The Conformation of the Epidermal Growth Factor Receptor Transmembrane Domain Dimer Dynamically Adapts to the Local Membrane Environment. <i>Biochemistry</i> , 2017, 56, 1697-1705.	1.2	39
38	FaÅšade detergents as bicelle rim-forming agents for solution NMR spectroscopy. <i>Nanotechnology Reviews</i> , 2017, 6, 93-103.	2.6	9
39	Membrane mimetics for solution NMR studies of membrane proteins. <i>Nanotechnology Reviews</i> , 2017, 6, 15-32.	2.6	25
40	NMR relaxation parameters of methyl groups as a tool to map the interfaces of helix-helix interactions in membrane proteins. <i>Journal of Biomolecular NMR</i> , 2017, 69, 165-179.	1.6	7
41	Spatial structure of TLR4 transmembrane domain in bicelles provides the insight into the receptor activation mechanism. <i>Scientific Reports</i> , 2017, 7, 6864.	1.6	23
42	Synthesis of Panal Terpenoid Core. <i>Synlett</i> , 2017, 28, 583-588.	1.0	0
43	Helix-helix interactions in membrane domains of bitopic proteins: Specificity and role of lipid environment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 561-576.	1.4	72
44	New Disulfide-Stabilized Fold Provides Sea Anemone Peptide to Exhibit Both Antimicrobial and TRPA1 Potentiating Properties. <i>Toxins</i> , 2017, 9, 154.	1.5	41
45	Structural Basis of p75 Transmembrane Domain Dimerization. <i>Journal of Biological Chemistry</i> , 2016, 291, 12346-12357.	1.6	27
46	A novel lipid transfer protein from the dill <i>Anethum graveolens</i> L.: isolation, structure, heterologous expression, and functional characteristics. <i>Journal of Peptide Science</i> , 2016, 22, 59-66.	0.8	20
47	Cell-free expression and purification of the fragments of the receptor tyrosine kinases of the EGFR family, containing the transmembrane domain with the juxtamembrane region, for structural studies. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 142-149.	0.3	0
48	Characterization of Small Isotropic Bicelles with Various Compositions. <i>Langmuir</i> , 2016, 32, 6624-6637.	1.6	47
49	HER2 Transmembrane Domain Dimerization Coupled with Self-Association of Membrane-Embedded Cytoplasmic Juxtamembrane Regions. <i>Journal of Molecular Biology</i> , 2016, 428, 52-61.	2.0	55
50	Titelbild: The Chemical Basis of Fungal Bioluminescence (<i>Angew. Chem.</i> 28/2015). <i>Angewandte Chemie</i> , 2015, 127, 8113-8113.	1.6	0
51	GMDP: unusual physico-chemical and biological properties of the anomeric forms. <i>Journal of Peptide Science</i> , 2015, 21, 717-722.	0.8	4
52	The Chemical Basis of Fungal Bioluminescence. <i>Angewandte Chemie</i> , 2015, 127, 8242-8246.	1.6	9
53	Frontispiece: Novel Peptide Chemistry in Terrestrial Animals: Natural Luciferin Analogues from the Bioluminescent Earthworm <i>Fridericia heliota</i> . <i>Chemistry - A European Journal</i> , 2015, 21, n/a-n/a.	1.7	0
54	The Chemical Basis of Fungal Bioluminescence. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8124-8128.	7.2	89

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55	Reversible condensation of 4-arylidene-1,2-dimethyl-1H-imidazol-5(4H)-ones with aromatic acyl chlorides. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 944-947.	0.6	1
56	NMR Dynamics of Transmembrane and Intracellular Domains of p75NTR in Lipid-Protein Nanodiscs. <i>Biophysical Journal</i> , 2015, 109, 772-782.	0.2	22
57	Novel Peptide Chemistry in Terrestrial Animals: Natural Luciferin Analogues from the Bioluminescent Earthworm <i>Fridericia heliota</i> . <i>Chemistry - A European Journal</i> , 2015, 21, 3942-3947.	1.7	9
58	The Membrane Mimetic Affects the Spatial Structure and Mobility of EGFR Transmembrane and Juxtamembrane Domains. <i>Biochemistry</i> , 2015, 54, 6295-6298.	1.2	32
59	Toll-like receptor 3 transmembrane domain is able to perform various homotypic interactions: An NMR structural study. <i>FEBS Letters</i> , 2014, 588, 3802-3807.	1.3	30
60	Structural Similarity between Defense Peptide from Wheat and Scorpion Neurotoxin Permits Rational Functional Design. <i>Journal of Biological Chemistry</i> , 2014, 289, 14331-14340.	1.6	33
61	NMR-based approach to measure the free energy of transmembrane helix-helix interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 164-172.	1.4	32
62	Heterologous expression and solution structure of defensin from lentil <i>Lens culinaris</i> . <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 252-257.	1.0	19
63	Structural and Functional Characterization of Alternative Transmembrane Domain Conformations in VEGF Receptor 2 Activation. <i>Structure</i> , 2014, 22, 1077-1089.	1.6	43
64	Lipid-Protein Nanodiscs Offer New Perspectives for Structural and Functional Studies of Water-Soluble Membrane-Active Peptides. <i>Acta Naturae</i> , 2014, 6, 84-94.	1.7	25
65	Lipid-protein nanodiscs offer new perspectives for structural and functional studies of water-soluble membrane-active peptides. <i>Acta Naturae</i> , 2014, 6, 84-94.	1.7	17
66	Preparation of pro-oncogenic mutant forms V659E and V659Q of the transmembrane domain of receptor protein kinase ErbB2 for structural studies. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2013, 7, 91-99.	0.3	1
67	Sea Anemone Peptide with Uncommon β^2 -Hairpin Structure Inhibits Acid-sensing Ion Channel 3 (ASIC3) and Reveals Analgesic Activity. <i>Journal of Biological Chemistry</i> , 2013, 288, 23116-23127.	1.6	60
68	Recombinant production and solution structure of lipid transfer protein from lentil <i>Lens culinaris</i> . <i>Biochemical and Biophysical Research Communications</i> , 2013, 439, 427-432.	1.0	33
69	Structural investigations of recombinant urokinase growth factor-like domain. <i>Biochemistry (Moscow)</i> , 2013, 78, 517-530.	0.7	3
70	Structural investigation of influenza virus hemagglutinin membrane-anchoring peptide. <i>Protein Engineering, Design and Selection</i> , 2013, 26, 547-552.	1.0	27
71	Mutation rate in stem cells: an underestimated barrier on the way to therapy. <i>Trends in Molecular Medicine</i> , 2013, 19, 273-280.	3.5	24
72	Buckwheat trypsin inhibitor with helical hairpin structure belongs to a new family of plant defence peptides. <i>Biochemical Journal</i> , 2012, 446, 331-331.	1.7	0

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73	Structure-Functional Insight into Transmembrane Helix Dimerization by Protein Engineering, Molecular Modeling and Heteronuclear NMR Spectroscopy. <i>Biophysical Journal</i> , 2012, 102, 470a.	0.2	1
74	Insight into the Thermodynamics and Equilibrium Kinetics of the Interaction between Transmembrane α -Helices in the Membrane Domain of ErbB4. <i>Biophysical Journal</i> , 2012, 102, 391a.	0.2	0
75	Buckwheat trypsin inhibitor with helical hairpin structure belongs to a new family of plant defence peptides. <i>Biochemical Journal</i> , 2012, 446, 69-77.	1.7	56
76	Lipid-protein nanodiscs for cell-free production of integral membrane proteins in a soluble and folded state: Comparison with detergent micelles, bicelles and liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 349-358.	1.4	95
77	Structural and thermodynamic insight into the process of weak dimerization of the ErbB4 transmembrane domain by solution NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2158-2170.	1.4	66
78	Structural Aspects of Transmembrane Domain Interactions of Receptor Tyrosine Kinases. <i>Biophysical Journal</i> , 2011, 100, 207a.	0.2	1
79	NMR Structure and Action on Nicotinic Acetylcholine Receptors of Water-soluble Domain of Human LYNX1. <i>Journal of Biological Chemistry</i> , 2011, 286, 10618-10627.	1.6	87
80	Spatial structure and dimer-monomer equilibrium of the ErbB3 transmembrane domain in DPC micelles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2081-2088.	1.4	41
81	Bacterial synthesis, purification, and solubilization of transmembrane segments of ErbB family receptors. <i>Molecular Biology</i> , 2011, 45, 823-832.	0.4	5
82	Dimeric Structure of the Transmembrane Domain of Glycophorin A in Lipidic and Detergent Environments. <i>Acta Naturae</i> , 2011, 3, 90-98.	1.7	37
83	Dimeric structure of the transmembrane domain of glycophorin a in lipidic and detergent environments. <i>Acta Naturae</i> , 2011, 3, 90-8.	1.7	23
84	Left-Handed Dimer of EphA2 Transmembrane Domain: Helix Packing Diversity among Receptor Tyrosine Kinases. <i>Biophysical Journal</i> , 2010, 98, 881-889.	0.2	100
85	Spatial Structure of the Transmembrane Domain Heterodimer of ErbB1 and ErbB2 Receptor Tyrosine Kinases. <i>Journal of Molecular Biology</i> , 2010, 400, 231-243.	2.0	130
86	Isolation, Structure Elucidation, and Synergistic Antibacterial Activity of a Novel Two-Component Lantibiotic Lichenicidin from <i>Bacillus licheniformis</i> VK21. <i>Biochemistry</i> , 2010, 49, 6462-6472.	1.2	67
87	Spatial Structure of the Dimeric Transmembrane Domain of the Growth Factor Receptor ErbB2 Presumably Corresponding to the Receptor Active State. <i>Journal of Biological Chemistry</i> , 2008, 283, 6950-6956.	1.6	189
88	Solution of the spatial structure of dimeric transmembrane domains of proteins by heteronuclear NMR spectroscopy and molecular modeling. <i>Biophysics (Russian Federation)</i> , 2006, 51, 23-27.	0.2	2
89	Determination of tin equilibrium isotope fractionation factors from synchrotron radiation experiments. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5531-5536.	1.6	55