Dmitry V Zinchenko

List of Publications by Year
in descending order

37 papers	578 citations	687220 13 h-index	642610 23 g-index
38 all docs	38 docs citations	38 times ranked	360 citing authors

#	Article	IF	Citations
1	Ca2+-Myristoyl Switch in the Neuronal Calcium Sensor Recoverin Requires Different Functions of Ca2+-binding Sites. Journal of Biological Chemistry, 2002, 277, 50365-50372.	1.6	61
2	Oxidation mimicking substitution of conservative cysteine in recoverin suppresses its membrane association. Amino Acids, 2012, 42, 1435-1442.	1.2	46
3	Recoverin Is a Zinc-Binding Protein. Journal of Proteome Research, 2003, 2, 51-57.	1.8	44
4	Effects of mutations in the calcium-binding sites of recoverin on its calcium affinity: evidence for successive filling of the calcium binding sites. Protein Engineering, Design and Selection, 2000, 13, 783-790.	1.0	43
5	Light-induced disulfide dimerization of recoverin under ex vivo and in vivo conditions. Free Radical Biology and Medicine, 2015, 83, 283-295.	1.3	37
6	Recoverin as a Redox-Sensitive Protein. Journal of Proteome Research, 2007, 6, 1855-1863.	1.8	34
7	Functional Status of Neuronal Calcium Sensor-1 Is Modulated by Zinc Binding. Frontiers in Molecular Neuroscience, 2018, 11, 459.	1.4	32
8	Interleukin-11 binds specific EF-hand proteins via their conserved structural motifs. Journal of Biomolecular Structure and Dynamics, 2017, 35, 78-91.	2.0	31
9	Intestinal microbiota of salmonids and its changes upon introduction of soy proteins to fish feed. Aquaculture International, 2019, 27, 475-496.	1.1	31
10	Ca²⁺-Myristoyl Switch in Neuronal Calcium Sensor-1: A Role of C-Terminal Segment. CNS and Neurological Disorders - Drug Targets, 2015, 14, 437-451.	0.8	25
11	Obtaining and characterization of EF-hand mutants of recoverin. FEBS Letters, 1998, 440, 116-118.	1.3	20
12	Amino acid sequences of two immune-dominant epitopes of recoverin are involved in Ca2+/recoverin-dependent inhibition of phosphorylation of rhodopsin. Biochemistry (Moscow), 2011, 76, 332-338.	0.7	18
13	Photoreceptor calcium sensor proteins in detergent-resistant membrane rafts are regulated via binding to caveolin-1. Cell Calcium, 2018, 73, 55-69.	1.1	17
14	Regulatory function of the C-terminal segment of guanylate cyclase-activating protein 2. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1325-1337.	1.1	11
15	Light-Induced Thiol Oxidation of Recoverin Affects Rhodopsin Desensitization. Frontiers in Molecular Neuroscience, 2018, 11, 474.	1.4	11
16	Autoantibody against arrestin-1 as a potential biomarker of renal cell carcinoma. Biochimie, 2019, 157, 26-37.	1.3	11
17	Binding of synthetic LKEKK peptide to human T-lymphocytes. Biochemistry (Moscow), 2016, 81, 871-875.	0.7	10
18	One of the Ca2+ binding sites of recoverin exclusively controls interaction with rhodopsin kinase. Biological Chemistry, 2005, 386, 285-9.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Soy and Rapeseed Protein Hydrolysis by the Enzyme Preparation Protosubtilin. Applied Biochemistry and Microbiology, 2018, 54, 294-300.	0.3	9
20	Plant protein hydrolysates as fish fry feed in aquaculture. Hydrolysis of rapeseed proteins by an enzyme complex from king crab hepatopancreas. Applied Biochemistry and Microbiology, 2017, 53, 680-687.	0.3	8
21	Disulfide Dimerization of Neuronal Calcium Sensor-1: Implications for Zinc and Redox Signaling. International Journal of Molecular Sciences, 2021, 22, 12602.	1.8	8
22	The LKEKK synthetic peptide as a ligand of rat intestinal epithelial cell membranes. Russian Journal of Bioorganic Chemistry, 2016, 42, 479-483.	0.3	7
23	Zinc Modulation of Neuronal Calcium Sensor Proteins: Three Modes of Interaction with Different Structural Outcomes. Biomolecules, 2022, 12, 956.	1.8	6
24	Hydrolysis of Soybean Proteins with Kamchatka Crab Hepatopancreas Enzyme Complex. Applied Biochemistry and Microbiology, 2018, 54, 76-82.	0.3	5
25	A Novel Approach to Bacterial Expression and Purification of Myristoylated Forms of Neuronal Calcium Sensor Proteins. Biomolecules, 2020, 10, 1025.	1.8	5
26	Membrane Binding of Neuronal Calcium Sensor-1: Highly Specific Interaction with Phosphatidylinositol-3-Phosphate. Biomolecules, 2020, 10, 164.	1.8	5
27	Interaction of cholera toxin B subunit with T and B lymphocytes. International Immunopharmacology, 2017, 50, 279-282.	1.7	4
28	Î±1-Thymosin, Î±2-interferon, and the LKEKK syntetic peptide inhibit the binding of the B subunit of the cholera toxin to intestinal epithelial cell membranes. Russian Journal of Bioorganic Chemistry, 2017, 43, 673-677.	0.3	4
29	Hydrolysates of Soybean Proteins for Starter Feeds of Aquaculture: The Behavior of Proteins upon Fermentolysis and the Compositional Analysis of Hydrolysates. Russian Journal of Bioorganic Chemistry, 2019, 45, 195-203.	0.3	4
30	Ca2+-dependent regulatory activity of recoverin in photoreceptor raft structures: The role of caveolin-1. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2014, 8, 44-49.	0.3	3
31	Interaction of Cholera Toxin B Subunit with Rat Intestinal Epithelial Cells. Russian Journal of Bioorganic Chemistry, 2018, 44, 403-407.	0.3	3
32	Interaction of cholera toxin B-subunit with human T-lymphocytes. Biochemistry (Moscow), 2017, 82, 1036-1041.	0.7	2
33	Soybean Trypsin Inhibitors: Selective Inactivation at Hydrolysis of Soybean Proteins by Some Enzymatic Complexes. Applied Biochemistry and Microbiology, 2019, 55, 270-276.	0.3	2
34	Hydrolysis of Soybean and Rapeseed Proteins with Enzyme Complex Extracted from the Pyloric Caeca of the Cod. Applied Biochemistry and Microbiology, 2019, 55, 165-172.	0.3	2
35	Non-Invasive Diagnostics of Renal Cell Carcinoma Using Ultrasensitive Immunodetection of Cancer-Retina Antigens. Biochemistry (Moscow), 2022, 87, 658-666.	0.7	2
36	The synthetic peptide octarphin activates soluble guanylate cyclase in macrophages. Russian Journal of Bioorganic Chemistry, 2016, 42, 269-271.	0.3	1

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37	Effect of the B Subunit of the Cholera Toxin on the Raw 264.7 Murine Macrophage-Like Cell Line. Russian Journal of Bioorganic Chemistry, 2019, 45, 122-128.	0.3	1