

Igor E Deyev

List of Publications by Year in descending order

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papers

564
citations

687220

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43
all docs

43
docs citations

43
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Insulin Receptor-Related Receptor as an Extracellular Alkali Sensor. <i>Cell Metabolism</i> , 2011, 13, 679-689.	7.2	92
2	Genetically encoded fluorescent indicators for live cell pH imaging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2924-2939.	1.1	47
3	Dissociation of the Subunits of the Calcium-Independent Receptor of $\hat{\pm}$ -Latrotoxin as a Result of Two-Step Proteolysis. <i>Biochemistry</i> , 2009, 48, 3230-3238.	1.2	44
4	Insulin receptor-related receptor as an extracellular pH sensor involved in the regulation of acid-base balance. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2170-2175.	1.1	39
5	Tissue-specific isoforms of the ubiquitous transcription factor Oct-1. <i>Molecular Genetics and Genomics</i> , 2001, 266, 239-245.	1.0	32
6	Structural Determinants of the Insulin Receptor-related Receptor Activation by Alkali. <i>Journal of Biological Chemistry</i> , 2013, 288, 33884-33893.	1.6	23
7	Alkaline pH induces IRR-mediated phosphorylation of IRS-1 and actin cytoskeleton remodeling in a pancreatic beta cell line. <i>Biochimie</i> , 2017, 138, 62-69.	1.3	23
8	Fluorescent protein Dendra2 as a ratiometric genetically encoded pH-sensor. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 1518-1521.	1.0	22
9	Regulation of CIRL-1 proteolysis and trafficking. <i>Biochimie</i> , 2010, 92, 418-422.	1.3	21
10	DeSUMOylation switches Kaiso from activator to repressor upon hyperosmotic stress. <i>Cell Death and Differentiation</i> , 2018, 25, 1938-1951.	5.0	20
11	Mapping of alkali-sensing sites of the insulin receptor-related receptor. The role of L2 and fibronectin domains. <i>Biochimie</i> , 2015, 111, 1-9.	1.3	18
12	Effect of changes in ambient pH on phosphorylation of cellular proteins. <i>Doklady Biochemistry and Biophysics</i> , 2006, 408, 184-187.	0.3	17
13	Analysis of proteins interacting with TRIP8b adapter. <i>Biochemistry (Moscow)</i> , 2008, 73, 644-651.	0.7	16
14	Interaction of calcium-independent latrotoxin receptor with intracellular adapter protein TRIP8b. <i>Doklady Biochemistry and Biophysics</i> , 2007, 414, 149-151.	0.3	13
15	BODIPY-based dye for no-wash live-cell staining and imaging. <i>BioTechniques</i> , 2017, 63, 77-80.	0.8	13
16	FLIM-Based Intracellular and Extracellular pH Measurements Using Genetically Encoded pH Sensor. <i>Biosensors</i> , 2021, 11, 340.	2.3	12
17	The dimeric ectodomain of the alkali-sensing insulin receptor-related receptor (ectoIRR) has a droplike shape. <i>Journal of Biological Chemistry</i> , 2019, 294, 17790-17798.	1.6	10
18	Autophosphorylation of Orphan Receptor ERBB2 Can Be Induced by Extracellular Treatment with Mildly Alkaline Media. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1515.	1.8	9

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19	The Value of pH Sensors in Maintaining Homeostasis of the Nervous System. Russian Journal of Bioorganic Chemistry, 2020, 46, 506-519.	0.3	9
20	Analysis of structural determinants of alkali sensor IRR positive cooperativity. Doklady Biochemistry and Biophysics, 2013, 450, 160-163.	0.3	7
21	Genetic link between IRR-receptor and Ly6/PLAUR protein. Russian Journal of Bioorganic Chemistry, 2016, 42, 449-452.	0.3	7
22	Activity-dependent conformational transitions of the insulin receptor-related receptor. Journal of Biological Chemistry, 2021, 296, 100534.	1.6	7
23	Regulation of oct-1 gene transcription is different in lymphoid and non-lymphoid cells. Biochimie, 2003, 85, 715-718.	1.3	5
24	The Hybrid Protein of the Alkaline Sensor IRR and the Fluorescent Protein GFP Retains the Functional Activity of the Receptor. Russian Journal of Bioorganic Chemistry, 2019, 45, 179-182.	0.3	5
25	Isoforms of Transcription Factor Oct-1 Synthesized in Lymphocytes. Molecular Biology, 2001, 35, 691-698.	0.4	4
26	The Tissue-Specific Splicing of 5'-Terminal Exons of the Oct-1 Gene. Molecular Biology, 2001, 35, 28-34.	0.4	4
27	Association of adaptor protein TRIP8b with clathrin. Journal of Neurochemistry, 2011, 118, 988-998.	2.1	4
28	Production and immunochemical characterization of monoclonal antibody to IRR ectodomain. Russian Journal of Bioorganic Chemistry, 2017, 43, 653-657.	0.3	4
29	Met receptor can be activated by extracellular alkaline medium. Journal of Receptor and Signal Transduction Research, 2019, 39, 67-72.	1.3	4
30	Probing Structure and Function of Alkali Sensor IRR with Monoclonal Antibodies. Biomolecules, 2020, 10, 1060.	1.8	4
31	Title is missing!. Molecular Biology, 2003, 37, 125-131.	0.4	3
32	Association of the subunits of the calcium-independent receptor of $\hat{I}\pm$ -latrotoxin. Biochemical and Biophysical Research Communications, 2010, 402, 658-662.	1.0	3
33	Structural and functional analyses of the sixth site of neurexin alternative splicing. Doklady Biochemistry and Biophysics, 2015, 463, 239-242.	0.3	3
34	Site-Directed Mutagenesis of the Fibronectin Domains in Insulin Receptor-Related Receptor. International Journal of Molecular Sciences, 2017, 18, 2461.	1.8	3
35	Behavioral Characteristics of Mice with Knockout of the IRR Alkali Sensor Gene. Neuroscience and Behavioral Physiology, 2018, 48, 483-487.	0.2	3
36	Optimization of Heterologous Expression of Insulin Receptor-Related Receptor Ectodomain. Doklady Biochemistry and Biophysics, 2019, 485, 101-103.	0.3	1

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37	Transcription Regulation of Human oct-1 Gene Requires Involvement of Two Promoters. Russian Journal of Genetics, 2003, 39, 216-221.	0.2	0
38	Novel GPS-containing G protein-coupled receptor from <i>Monosiga brevicollis</i> . Doklady Biochemistry and Biophysics, 2009, 427, 191-194.	0.3	0
39	Generation of photoactivatable fluorescent protein from photoconvertible ancestor. Russian Journal of Bioorganic Chemistry, 2017, 43, 340-343.	0.3	0
40	Profile of Gene Expression in the Kidneys of Mice with the <i>insrr</i> Gene Knockout. Russian Journal of Bioorganic Chemistry, 2018, 44, 256-260.	0.3	0