

LudmiÅ,a Å»yliÅ,,ska

List of Publications by Year in descending order

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52
papers

618
citations

623188

14
h-index

752256

20
g-index

58
all docs

58
docs citations

58
times ranked

683
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-time effects of neuroactive steroids on rat cortical Ca ²⁺ -ATPase activity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 1999, 1437, 257-264.	1.2	32
2	Neuroprotective Polyphenols: A Modulatory Action on Neurotransmitter Pathways. <i>Current Neuropharmacology</i> , 2020, 18, 431-445.	1.4	31
3	Protein kinases A and C phosphorylate purified Ca ²⁺ -ATPase from rat cortex, cerebellum and hippocampus 1A preliminary report of the PKA- and PKC-mediated phosphorylation of Ca ²⁺ -ATPase purified from rat brain was presented at the FEBS Special Meeting: Cell Signalling Mechanisms, Amsterdam, The Netherlands, June 29-July 3, 1997.1. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998, 1448, 99-100.	1.9	30
4	Glutamate Deregulation in Ketamine-Induced Psychosis—A Potential Role of PSD95, NMDA Receptor and PMCA Interaction. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 181.	1.8	27
5	The Role of G Protein-Coupled Receptors (GPCRs) and Calcium Signaling in Schizophrenia. Focus on GPCRs Activated by Neurotransmitters and Chemokines. <i>Cells</i> , 2021, 10, 1228.	1.8	25
6	Downregulation of PMCA2 or PMCA3 reorganizes Ca ²⁺ handling systems in differentiating PC12 cells. <i>Cell Calcium</i> , 2012, 52, 433-444.	1.1	24
7	Exposure to polychlorinated naphthalenes affects GABA-metabolizing enzymes in rat brain. <i>Environmental Toxicology and Pharmacology</i> , 2005, 20, 450-455.	2.0	20
8	Regulation of GAP43/calmodulin complex formation via calcineurin-dependent mechanism in differentiated PC12 cells with altered PMCA isoforms composition. <i>Molecular and Cellular Biochemistry</i> , 2015, 407, 251-262.	1.4	20
9	The isoform- and location-dependence of the functioning of the plasma membrane calcium pump. <i>Cellular and Molecular Biology Letters</i> , 2002, 7, 1037-45.	2.7	20
10	Ketamine and Calcium Signaling—A Crosstalk for Neuronal Physiology and Pathology. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8410.	1.8	19
11	Plasma Membrane Ca ²⁺ -ATPase Isoforms Composition Regulates Cellular pH Homeostasis in Differentiating PC12 Cells in a Manner Dependent on Cytosolic Ca ²⁺ Elevations. <i>PLoS ONE</i> , 2014, 9, e102352.	1.1	19
12	Interaction of plasma membrane Ca ²⁺ -ATPase isoform 4 with calcineurin A: Implications for catecholamine secretion by PC12 cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 235-240.	1.0	16
13	Cross talk among PMCA, calcineurin and NFAT transcription factors in control of calmodulin gene expression in differentiating PC12 cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 502-515.	0.9	16
14	The effect of antisense oligonucleotide treatment of plasma membrane Ca ⁽⁺²⁾ -ATPase in PC12 cells. <i>Cellular and Molecular Biology Letters</i> , 2004, 9, 451-64.	2.7	16
15	Magnesium sulfate effect on erythrocyte membranes of asphyxiated newborns. <i>Clinical Biochemistry</i> , 2005, 38, 457-464.	0.8	15
16	Prenatal MgSO ₄ treatment modifies the erythrocyte band 3 in preterm neonates. <i>Pharmacological Research</i> , 2006, 53, 347-352.	3.1	15
17	Functional Importance of PMCA Isoforms in Growth and Development of PC12 Cells. <i>Annals of the New York Academy of Sciences</i> , 2007, 1099, 254-269.	1.8	14
18	Regional brain dysregulation of Ca ²⁺ -handling systems in ketamine-induced rat model of experimental psychosis. <i>Cell and Tissue Research</i> , 2016, 363, 609-620.	1.5	14

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19	Downregulation of microsomal glutathione-S-transferase 1 modulates protective mechanisms in differentiated PC12 cells. <i>Journal of Physiology and Biochemistry</i> , 2014, 70, 375-383.	1.3	13
20	Region-specific effects of repeated ketamine administration on the presynaptic GABAergic neurochemistry in rat brain. <i>Neurochemistry International</i> , 2015, 91, 13-25.	1.9	13
21	Protein kinase C and calmodulin effects on the plasma membrane Ca ²⁺ -ATPase from excitable and nonexcitable cells. , 1997, 173, 79-87.		12
22	The Puzzling Role of Neuron-Specific PMCA Isoforms in the Aging Process. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6338.	1.8	12
23	Gene expression pattern in PC12 cells with reduced PMCA2 or PMCA3 isoform: selective up-regulation of calmodulin and neuromodulin. <i>Molecular and Cellular Biochemistry</i> , 2012, 360, 89-102.	1.4	11
24	Calcineurin/NFAT Signaling Represses Genes Vamp1 and Vamp2 via PMCA-Dependent Mechanism during Dopamine Secretion by Pheochromocytoma Cells. <i>PLoS ONE</i> , 2014, 9, e92176.	1.1	11
25	NFAT1 and NFAT3 Cooperate with HDAC4 during Regulation of Alternative Splicing of PMCA Isoforms in PC12 Cells. <i>PLoS ONE</i> , 2014, 9, e99118.	1.1	11
26	Neuroactive Steroids Modulate in vitro the Mg ²⁺ -Dependent Ca ²⁺ -ATPase Activity in Cultured Rat Neurons. <i>General Pharmacology</i> , 1998, 30, 533-536.	0.7	10
27	Changes in Erythrocyte Glutathione and Plasma Membrane Calcium Pump in Preterm Newborns Treated Antenatally with MgSO ₄ . <i>Neonatology</i> , 2008, 94, 272-278.	0.9	10
28	Calcium-engaged Mechanisms of Nongenomic Action of Neurosteroids. <i>Current Neuropharmacology</i> , 2017, 15, 1174-1191.	1.4	10
29	Crosstalk among Calcium ATPases: PMCA, SERCA and SPCA in Mental Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2785.	1.8	9
30	Receptor-Dependent and Independent Regulation of Voltage-Gated Ca ²⁺ Channels and Ca ²⁺ -Permeable Channels by Endocannabinoids in the Brain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8168.	1.8	9
31	Characterization of Erythrocyte Compounds in Asphyxiated Newborns. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 1999, 2, 185-189.	1.7	8
32	Hypochlorous acid inhibits glutathione S-conjugate export from human erythrocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 479-486.	1.4	8
33	Plasma membrane Ca ²⁺ -ATPase is a novel target for ketamine action. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 312-317.	1.0	8
34	Functional characteristic of PC12 cells with reduced microsomal glutathione transferase 1.. <i>Acta Biochimica Polonica</i> , 2010, 57, .	0.3	8
35	Calmodulin effect on purified rat cortical plasma membrane Ca ²⁺ -ATPase in different phosphorylation states. <i>BBA - Proteins and Proteomics</i> , 2001, 1549, 19-31.	2.1	7
36	Protein kinases activities in erythrocyte membranes of asphyxiated newborns. <i>Clinical Biochemistry</i> , 2002, 35, 93-98.	0.8	7

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37	Silencing of Plasma Membrane Ca ²⁺ -ATPase Isoforms 2 and 3 Impairs Energy Metabolism in Differentiating PC12 Cells. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	7
38	Calcium as a Trojan horse in mental diseases – The role of PMCA and PMCA-interacting proteins in bipolar disorder and schizophrenia. <i>Neuroscience Letters</i> , 2018, 663, 48-54.	1.0	7
39	Okadaic acid as a probe for regulation In Vitro of Mg ²⁺ , Ca ²⁺ -ATPase activity in rat cortical and cerebellar synaptosomal membranes. <i>Cellular Signalling</i> , 1996, 8, 443-448.	1.7	6
40	Limited protective properties of thymol and thyme oil on differentiated PC12 cells with downregulated Mgst1. <i>Journal of Applied Biomedicine</i> , 2014, 12, 235-243.	0.6	6
41	Hexachloronaphthalene (HxCN) impairs the dopamine pathway in an in vitro model of PC12 cells. <i>Chemosphere</i> , 2022, 287, 132284.	4.2	6
42	Fast Action of Neuroactive Steroids on Plasma Membrane Calcium Pump in PC12 Cells. <i>Annals of the New York Academy of Sciences</i> , 2008, 1148, 515-519.	1.8	5
43	Calmodulin effects on steroids-regulated plasma membrane calcium pump activity. <i>Cell Biochemistry and Function</i> , 2009, 27, 111-117.	1.4	5
44	Characterization of 130kDa protein from rat cerebellum synaptosomal membranes phosphorylated by PKC. <i>International Journal of Biochemistry & Cell Biology</i> , 1992, 24, 1057-1064.	0.8	4
45	Neuroactive Steroids Modulate In Vivo the Mg ²⁺ /Ca ²⁺ - ATPase Activity in Rat Cortical and Cerebellar Synaptosomal Membranes. <i>Biochemical and Biophysical Research Communications</i> , 1995, 212, 178-183.	1.0	4
46	GABA-shunt enzymes activity in GH3 cells with reduced level of PMCA2 or PMCA3 isoform. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 815-820.	1.0	4
47	Functional characteristic of PC12 cells with reduced microsomal glutathione transferase 1. <i>Acta Biochimica Polonica</i> , 2010, 57, 589-96.	0.3	4
48	Calcium Dyshomeostasis Alters CCL5 Signaling in Differentiated PC12 Cells. <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	3
49	Serotonin, histamine and somatostatin modulation of PMA-stimulated phosphorylation of 130kDa Ca ²⁺ pump-like protein from rat cerebellum synaptosomal membranes. <i>International Journal of Biochemistry & Cell Biology</i> , 1993, 25, 521-524.	0.8	2
50	Hexachloronaphthalene Induces Mitochondrial-Dependent Neurotoxicity via a Mechanism of Enhanced Production of Reactive Oxygen Species. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	1.9	2
51	Adaptation of microsomal glutathione transferase 1 in PC12 cells with modified PMCA isoforms composition. <i>Indian Journal of Biochemistry and Biophysics</i> , 2010, 47, 265-71.	0.2	1
52	Early Developmental PMCA2b Expression Protects From Ketamine-Induced Apoptosis and GABA Impairments in Differentiating Hippocampal Progenitor Cells. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	0