

# Ludmila Zylinska

## List of Publications by Citations

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52  
papers

454  
citations

13  
h-index

17  
g-index

58  
ext. papers

533  
ext. citations

4.8  
avg, IF

3.59  
L-index

#	Paper	IF	Citations
52	Protein kinases A and C phosphorylate purified Ca <sup>2+</sup> -ATPase from rat cortex, cerebellum and hippocampus. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1998</b> , 1448, 99-108	4.9	29
51	Short-time effects of neuroactive steroids on rat cortical Ca <sup>2+</sup> -ATPase activity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>1999</b> , 1437, 257-64	5	26
50	Downregulation of PMCA2 or PMCA3 reorganizes Ca(2+) handling systems in differentiating PC12 cells. <i>Cell Calcium</i> , <b>2012</b> , 52, 433-44	4	22
49	Glutamate Deregulation in Ketamine-Induced Psychosis-A Potential Role of PSD95, NMDA Receptor and PMCA Interaction. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 181	6.1	19
48	The isoform- and location-dependence of the functioning of the plasma membrane calcium pump. <i>Cellular and Molecular Biology Letters</i> , <b>2002</b> , 7, 1037-45	8.1	18
47	Neuroprotective Polyphenols: A Modulatory Action on Neurotransmitter Pathways. <i>Current Neuropharmacology</i> , <b>2020</b> , 18, 431-445	7.6	17
46	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> , <b>2011</b> , 411, 235-40	3.4	16
45	Exposure to polychlorinated naphthalenes affects GABA-metabolizing enzymes in rat brain. <i>Environmental Toxicology and Pharmacology</i> , <b>2005</b> , 20, 450-5	5.8	16
44	Plasma membrane Ca <sup>2+</sup> -ATPase isoforms composition regulates cellular pH homeostasis in differentiating PC12 cells in a manner dependent on cytosolic Ca <sup>2+</sup> elevations. <i>PLoS ONE</i> , <b>2014</b> , 9, e102352	3.7	16
43	The effect of antisense oligonucleotide treatment of plasma membrane Ca(+2)-ATPase in PC12 cells. <i>Cellular and Molecular Biology Letters</i> , <b>2004</b> , 9, 451-64	8.1	16
42	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> , <b>2015</b> , 407, 251-62	4.2	15
41	Functional importance of PMCA isoforms in growth and development of PC12 cells. <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1099, 254-69	6.5	13
40	Prenatal MgSO <sub>4</sub> treatment modifies the erythrocyte band 3 in preterm neonates. <i>Pharmacological Research</i> , <b>2006</b> , 53, 347-52	10.2	13
39	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> , <b>2012</b> , 360, 89-102	4.2	11
38	Protein kinase C and calmodulin effects on the plasma membrane Ca <sup>2+</sup> -ATPase from excitable and nonexcitable cells. <i>Molecular and Cellular Biochemistry</i> , <b>1997</b> , 173, 79-87	4.2	11
37	Magnesium sulfate effect on erythrocyte membranes of asphyxiated newborns. <i>Clinical Biochemistry</i> , <b>2005</b> , 38, 457-64	3.5	11
36	Regional brain dysregulation of Ca(2+)-handling systems in ketamine-induced rat model of experimental psychosis. <i>Cell and Tissue Research</i> , <b>2016</b> , 363, 609-20	4.2	10

35	Region-specific effects of repeated ketamine administration on the presynaptic GABAergic neurochemistry in rat brain. <i>Neurochemistry International</i> , <b>2015</b> , 91, 13-25	4.4	10
34	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> , <b>2017</b> , 1860, 502-515	6	9
33	Calcineurin/NFAT signaling represses genes Vamp1 and Vamp2 via PMCA-dependent mechanism during dopamine secretion by Pheochromocytoma cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e92176	3.7	9
32	NFAT1 and NFAT3 cooperate with HDAC4 during regulation of alternative splicing of PMCA isoforms in PC12 cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e99118	3.7	9
31	Neuroactive steroids modulate in vitro the Mg(2+)-dependent Ca(2+)-ATPase activity in cultured rat neurons. <i>General Pharmacology</i> , <b>1998</b> , 30, 533-6		8
30	Silencing of plasma membrane Ca <sup>2+</sup> -ATPase isoforms 2 and 3 impairs energy metabolism in differentiating PC12 cells. <i>BioMed Research International</i> , <b>2014</b> , 2014, 735106	3	7
29	Downregulation of microsomal glutathione-S-transferase 1 modulates protective mechanisms in differentiated PC12 cells. <i>Journal of Physiology and Biochemistry</i> , <b>2014</b> , 70, 375-83	5	7
28	Changes in erythrocyte glutathione and plasma membrane calcium pump in preterm newborns treated antenatally with MgSO <sub>4</sub> . <i>Neonatology</i> , <b>2008</b> , 94, 272-8	4	7
27	Protein kinases activities in erythrocyte membranes of asphyxiated newborns. <i>Clinical Biochemistry</i> , <b>2002</b> , 35, 93-8	3.5	7
26	Calmodulin effect on purified rat cortical plasma membrane Ca(2+)-ATPase in different phosphorylation states. <i>BBA - Proteins and Proteomics</i> , <b>2001</b> , 1549, 19-31		7
25	Hypochlorous acid inhibits glutathione S-conjugate export from human erythrocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2002</b> , 1564, 479-86	3.8	7
24	Functional characteristic of PC12 cells with reduced microsomal glutathione transferase 1.. <i>Acta Biochimica Polonica</i> , <b>2010</b> , 57,	2	7
23	Plasma membrane Ca(2+)-ATPase is a novel target for ketamine action. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 465, 312-7	3.4	6
22	Ketamine and Calcium Signaling-A Crosstalk for Neuronal Physiology and Pathology. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
21	The Puzzling Role of Neuron-Specific PMCA Isoforms in the Aging Process. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	6
20	Calmodulin effects on steroids-regulated plasma membrane calcium pump activity. <i>Cell Biochemistry and Function</i> , <b>2009</b> , 27, 111-7	4.2	5
19	Fast action of neuroactive steroids on plasma membrane calcium pump in PC12 cells. <i>Annals of the New York Academy of Sciences</i> , <b>2008</b> , 1148, 515-9	6.5	5
18	Characterization of erythrocyte compounds in asphyxiated newborns. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 2, 185-9		5

17	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> , <b>1996</b> , 8, 443-8	4.9	5
16	Calcium-engaged Mechanisms of Nongenomic Action of Neurosteroids. <i>Current Neuropharmacology</i> , <b>2017</b> , 15, 1174-1191	7.6	5
15	Limited protective properties of thymol and thyme oil on differentiated PC12 cells with downregulated Mgst1. <i>Journal of Applied Biomedicine</i> , <b>2014</b> , 12, 235-243	0.6	4
14	Neuroactive steroids modulate in vivo the Mg2+/Ca(2+)-ATPase activity in rat cortical and cerebellar synaptosomal membranes. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 212, 178-83	3.4	4
13	The Role of G Protein-Coupled Receptors (GPCRs) and Calcium Signaling in Schizophrenia. Focus on GPCRs Activated by Neurotransmitters and Chemokines. <i>Cells</i> , <b>2021</b> , 10,	7.9	4
12	Functional characteristic of PC12 cells with reduced microsomal glutathione transferase 1. <i>Acta Biochimica Polonica</i> , <b>2010</b> , 57, 589-96	2	4
11	Calcium Dyshomeostasis Alters CCL5 Signaling in Differentiated PC12 Cells. <i>BioMed Research International</i> , <b>2019</b> , 2019, 9616248	3	3
10	GABA-shunt enzymes activity in GH3 cells with reduced level of PMCA2 or PMCA3 isoform. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 411, 815-20	3.4	3
9	Characterization of 130 kDa protein from rat cerebellum synaptosomal membranes phosphorylated by PKC. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1992</b> , 24, 1057-64		3
8	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> , <b>2018</b> , 663, 48-54	3.3	3
7	Serotonin, histamine and somatostatin modulation of PMA-stimulated phosphorylation of 130 kDa Ca2+ pump-like protein from rat cerebellum synaptosomal membranes. <i>International Journal of Biochemistry &amp; Cell Biology</i> , <b>1993</b> , 25, 521-4		2
6	Crosstalk among Calcium ATPases: PMCA, SERCA and SPCA in Mental Diseases. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
5	Receptor-Dependent and Independent Regulation of Voltage-Gated Ca Channels and Ca-Permeable Channels by Endocannabinoids in the Brain. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
4	Hexachloronaphthalene Induces Mitochondrial-Dependent Neurotoxicity via a Mechanism of Enhanced Production of Reactive Oxygen Species. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 2479234	6.7	1
3	Hexachloronaphthalene (HxCN) impairs the dopamine pathway in an in vitro model of PC12 cells. <i>Chemosphere</i> , <b>2022</b> , 287, 132284	8.4	1
2	Adaptation of microsomal glutathione transferase 1 in PC12 cells with modified PMCA isoforms composition. <i>Indian Journal of Biochemistry and Biophysics</i> , <b>2010</b> , 47, 265-71		1
1	PMCA3: A Mysterious Isoform of Calcium Pump <b>2016</b> , 47-62		