

Tadeusz Pawełczyk

List of Publications by Year in descending order

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docs citations

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times ranked

2442
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR Structure of a Protein Kinase C- β Phorbol-Binding Domain and Study of Protein-Lipid Micelle Interactions. <i>Biochemistry</i> , 1997, 36, 10709-10717.	2.5	135
2	Recent advances in studies on biochemical and structural properties of equilibrative and concentrative nucleoside transporters. <i>Acta Biochimica Polonica</i> , 2005, 52, 749-758.	0.5	90
3	Acetyl-CoA the Key Factor for Survival or Death of Cholinergic Neurons in Course of Neurodegenerative Diseases. <i>Neurochemical Research</i> , 2013, 38, 1523-1542.	3.3	89
4	Region-Specific Alterations of Adenosine Receptors Expression Level in Kidney of Diabetic Rat. <i>American Journal of Pathology</i> , 2005, 167, 315-325.	3.8	68
5	Amplification of c-myc gene and overexpression of c-Myc protein in breast cancer and adjacent non-neoplastic tissue. <i>Clinical Biochemistry</i> , 2001, 34, 557-562.	1.9	55
6	Regulation of phospholipase C γ activity by sphingomyelin and sphingosine. <i>Archives of Biochemistry and Biophysics</i> , 1992, 297, 328-333.	3.0	53
7	Decreased Expression of Adenosine Kinase in Streptozotocin-Induced Diabetes Mellitus Rats. <i>Archives of Biochemistry and Biophysics</i> , 2000, 375, 1-6.	3.0	50
8	Identification of High-Risk Stage II Colorectal Tumors by Combined Analysis of the NDRG1 Gene Expression and the Depth of Tumor Invasion. <i>Annals of Surgical Oncology</i> , 2009, 16, 1287-1294.	1.5	50
9	Diabetes-induced decrease of adenosine kinase expression impairs the proliferation potential of diabetic rat T lymphocytes. <i>Immunology</i> , 2006, 118, 402-412.	4.4	48
10	The Effect of Insulin on Expression Level of Nucleoside Transporters in Diabetic Rats. <i>Molecular Pharmacology</i> , 2003, 63, 81-88.	2.3	46
11	Phenotype-dependent susceptibility of cholinergic neuroblastoma cells to neurotoxic inputs. <i>Metabolic Brain Disease</i> , 2006, 21, 143-155.	2.9	45
12	Alterations of Adenine Nucleotide Metabolism and Function of Blood Platelets in Patients With Diabetes. <i>Diabetes</i> , 2007, 56, 462-467.	0.6	36
13	Isozymes delta of phosphoinositide-specific phospholipase C and their role in signal transduction in the cell. <i>Acta Biochimica Polonica</i> , 2003, 50, 1097-1110.	0.5	36
14	Expression of Tumor Necrosis Factor- α , Interleukin-1 α , Interleukin-6 and Interleukin-10 in Chronic Otitis Media with Bone Osteolysis. <i>Orl</i> , 2011, 73, 93-99.	1.1	35
15	Inhibition of phospholipase C γ by hexadecylphosphorylcholine and lysophospholipids with antitumor activity. <i>Biochemical Pharmacology</i> , 1993, 45, 493-497.	4.4	33
16	Binding of phospholipase C γ 1 to phospholipid vesicles. <i>Biochemical Journal</i> , 1993, 291, 693-696.	3.7	33
17	Recent advances in studies on biochemical and structural properties of equilibrative and concentrative nucleoside transporters. <i>Acta Biochimica Polonica</i> , 2005, 52, 749-58.	0.5	33
18	The role of inositol phospholipids in the association of band 4.1 with the human erythrocyte membrane. <i>FEBS Journal</i> , 1993, 211, 671-681.	0.2	31

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19	High glucose concentration impairs ATP outflow and immunoglobulin production by human peripheral B lymphocytes: Involvement of P2X7 receptor. <i>Immunobiology</i> , 2013, 218, 591-601.	1.9	30
20	Expression of Cornified Envelope Proteins in Skin and Its Relationship with Atopic Dermatitis Phenotype. <i>Acta Dermato-Venereologica</i> , 2017, 97, 36-41.	1.3	30
21	Localization of phospholipase C delta3 in the cell and regulation of its activity by phospholipids and calcium. <i>FEBS Journal</i> , 1998, 257, 169-177.	0.2	29
22	Effects of zinc on SN56 cholinergic neuroblastoma cells. <i>Journal of Neurochemistry</i> , 2007, 103, 972-983.	3.9	27
23	The distribution of enzymes involved in purine metabolism in rat kidney. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1992, 1116, 309-314.	2.4	26
24	Ubc9-induced inhibition of diadenosine triphosphate hydrolase activity of the putative tumor suppressor protein Fhit. <i>Archives of Biochemistry and Biophysics</i> , 2004, 428, 160-164.	3.0	26
25	Acetyl-CoA and acetylcholine metabolism in nerve terminal compartment of thiamine deficient rat brain. <i>Journal of Neurochemistry</i> , 2010, 115, 333-342.	3.9	26
26	Purinergic signalling in B cells. <i>Acta Biochimica Polonica</i> , 2018, 65, 1-7.	0.5	25
27	Phospholipase C-delta3 binds with high specificity to phosphatidylinositol 4,5-bisphosphate and phosphatidic acid in bilayer membranes. <i>FEBS Journal</i> , 1999, 262, 291-298.	0.2	24
28	Insulin induces expression of adenosine kinase gene in rat lymphocytes by signaling through the mitogen-activated protein kinase pathway. <i>Experimental Cell Research</i> , 2003, 286, 152-163.	2.6	24
29	Diabetes-induced alterations of adenosine receptors expression level in rat liver. <i>Experimental and Molecular Pathology</i> , 2007, 83, 392-398.	2.1	24
30	Short-term effects of zinc on acetylcholine metabolism and viability of SN56 cholinergic neuroblastoma cells. <i>Neurochemistry International</i> , 2010, 56, 143-151.	3.8	24
31	Renal Handling and Metabolism of Adenosine in Diabetic Rats ¹ . <i>Contributions To Nephrology</i> , 1989, 73, 52-58.	1.1	23
32	Differential effect of insulin and elevated glucose level on adenosine transport in rat B lymphocytes. <i>International Immunology</i> , 2004, 17, 145-154.	4.0	23
33	Differential effects of lipopolysaccharide on energy metabolism in murine microglial N9 and cholinergic SN56 neuronal cells. <i>Journal of Neurochemistry</i> , 2015, 133, 284-297.	3.9	23
34	Phospholipase C Isoforms $\delta 1$ and $\delta 3$ from Human Fibroblasts. <i>Protein Expression and Purification</i> , 1997, 9, 262-278.	1.3	22
35	Structural Requirements of Phospholipase C delta1 for Regulation by Spermine, Sphingosine and Sphingomyelin. <i>FEBS Journal</i> , 1997, 248, 459-465.	0.2	22
36	Insulin and glucose induced changes in expression level of nucleoside transporters and adenosine transport in rat T lymphocytes. <i>Biochemical Pharmacology</i> , 2004, 68, 1309-1320.	4.4	22

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37	Reduced ability to release adenosine by diabetic rat cardiac fibroblasts due to altered expression of nucleoside transporters. <i>Journal of Physiology</i> , 2006, 576, 179-189.	2.9	22
38	Altered Expression of Genes Encoding Cornulin and Repetin in Atopic Dermatitis. <i>International Archives of Allergy and Immunology</i> , 2017, 172, 11-19.	2.1	22
39	Insulin restores expression of adenosine kinase in streptozotocin-induced diabetes mellitus rats. <i>Molecular and Cellular Biochemistry</i> , 2002, 236, 163-171.	3.1	21
40	Effects of NGF on acetylcholine, acetyl-CoA metabolism, and viability of differentiated and non-differentiated cholinergic neuroblastoma cells. <i>Journal of Neurochemistry</i> , 2004, 90, 952-961.	3.9	21
41	Suppression of TWIST1 enhances the sensitivity of colon cancer cells to 5-fluorouracil. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 78, 268-278.	2.8	21
42	Effect of L-Carnitine on Acetyl-CoA Content and Activity of Blood Platelets in Healthy and Diabetic Persons. <i>Clinical Chemistry</i> , 2005, 51, 1673-1682.	3.2	20
43	Acetyl-CoA metabolism in amprolium-evoked thiamine pyrophosphate deficits in cholinergic SN56 neuroblastoma cells. <i>Neurochemistry International</i> , 2011, 59, 208-216.	3.8	20
44	Differential effect of adenosine receptors on growth of human colon cancer HCT 116 and HT-29 cell lines. <i>Archives of Biochemistry and Biophysics</i> , 2013, 533, 47-54.	3.0	20
45	RS- α -lipoic acid protects cholinergic cells against sodium nitroprusside and amyloid- β neurotoxicity through restoration of acetyl-CoA level. <i>Journal of Neurochemistry</i> , 2006, 98, 1242-1251.	3.9	19
46	Nerve growth factor and acetyl-L-carnitine evoked shifts in acetyl-CoA and cholinergic SN56 cell vulnerability to neurotoxic inputs. <i>Journal of Neuroscience Research</i> , 2005, 79, 185-192.	2.9	18
47	Relationships between cholinergic phenotype and acetyl-CoA level in hybrid murine neuroblastoma cells of septal origin. <i>Journal of Neuroscience Research</i> , 2003, 73, 717-721.	2.9	17
48	Expression of adenosine receptors in cardiac fibroblasts as a function of insulin and glucose level. <i>Archives of Biochemistry and Biophysics</i> , 2006, 455, 10-17.	3.0	17
49	Retinoic acid as a therapeutic option in Alzheimer's disease: a focus on cholinergic restoration. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 239-249.	2.8	17
50	Expression Profiles of Genes Encoding Cornified Envelope Proteins in Atopic Dermatitis and Cutaneous T-Cell Lymphomas. <i>Nutrients</i> , 2020, 12, 862.	4.1	17
51	Distribution of Fhit protein in rat tissues and its intracellular localization. <i>Molecular and Cellular Biochemistry</i> , 2001, 226, 49-55.	3.1	15
52	Association of a Single Nucleotide Polymorphism in a Late Cornified Envelope-like Proline-rich 1 Gene (LELP1) with Atopic Dermatitis. <i>Acta Dermato-Venereologica</i> , 2016, 96, 459-463.	1.3	15
53	Expression level of Ubc9 protein in rat tissues.. <i>Acta Biochimica Polonica</i> , 2003, 50, 1065-1073.	0.5	15
54	Regulation of pyruvate dehydrogenase kinase activity from pig kidney cortex. <i>Biochemical Journal</i> , 1992, 288, 369-373.	3.7	14

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55	Expression in Escherichia coli and Simple Purification of Human Fhit Protein. Protein Expression and Purification, 2000, 18, 320-326.	1.3	14
56	Acetyl-CoA deficit in brain mitochondria in experimental thiamine deficiency encephalopathy. Neurochemistry International, 2010, 57, 851-856.	3.8	14
57	A data mining paradigm for identifying key factors in biological processes using gene expression data. Scientific Reports, 2018, 8, 9083.	3.3	14
58	High glucose suppresses expression of equilibrative nucleoside transporter 1 (ENT1) in rat cardiac fibroblasts through a mechanism dependent on PKC α and MAP kinases. Journal of Cellular Physiology, 2008, 215, 151-160.	4.1	13
59	High glucose impairs ATP formation on the surface of human peripheral blood B lymphocytes. International Journal of Biochemistry and Cell Biology, 2013, 45, 1246-1254.	2.8	13
60	Intracellular redistribution of acetyl-CoA, the pivotal point in differential susceptibility of cholinergic neurons and glial cells to neurodegenerative signals. Biochemical Society Transactions, 2014, 42, 1101-1106.	3.4	13
61	Effect of ionic strength and pH on the activity of pyruvate dehydrogenase complex from pig kidney cortex. Archives of Biochemistry and Biophysics, 1992, 294, 44-49.	3.0	12
62	Phenotype dependent differential effects of interleukin-1 β and amyloid- β on viability and cholinergic phenotype of T17 neuroblastoma cells. Neurochemistry International, 2005, 47, 466-473.	3.8	12
63	Prevalence of unidirectional Na $^{+}$ -dependent adenosine transport and altered potential for adenosine generation in diabetic cardiac myocytes. Basic Research in Cardiology, 2006, 101, 214-222.	5.9	12
64	Gene expression profile of collagen types, osteopontin in the tympanic membrane of patients with tympanosclerosis. Advances in Clinical and Experimental Medicine, 2017, 26, 961-966.	1.4	12
65	The effects of various anions and cations on the regulation of pyruvate dehydrogenase complex activity from pig kidney cortex. Biochemical Journal, 1988, 253, 819-825.	3.7	11
66	Effect of sphingomyelin and its metabolites on the activity of human recombinant PLC γ 1. International Journal of Biochemistry and Cell Biology, 1997, 29, 815-828.	2.8	11
67	Regulation of phospholipase C γ 1 by sphingosine. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1325, 287-296.	2.6	11
68	Differential effect of insulin and elevated glucose level on adenosine handling in rat T lymphocytes. Journal of Cellular Biochemistry, 2005, 96, 1296-1310.	2.6	11
69	Different signaling pathways utilized by insulin to regulate the expression of ENT2, CNT1, CNT2 nucleoside transporters in rat cardiac fibroblasts. Archives of Biochemistry and Biophysics, 2007, 464, 344-349.	3.0	11
70	A β PP-Transgenic 2576 Mice Mimic Cell Type-Specific Aspects of Acetyl-CoA-Linked Metabolic Deficits in Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 48, 1083-1094.	2.6	11
71	Expression Patterns of Ki-67 and Telomerase Activity in Middle Ear Cholesteatoma. Otology and Neurotology, 2007, 28, 204-207.	1.3	10
72	Regulation of phospholipase C γ 1 by ARGHAP6, a GTPase-activating protein for RhoA: Possible role for enhanced activity of phospholipase C in hypertension. International Journal of Biochemistry and Cell Biology, 2008, 40, 2264-2273.	2.8	9

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73	Expression of TNF- α , OPC, IL-1 β and the presence of the measles virus RNA in the stapes of the patients with otosclerosis. <i>European Archives of Oto-Rhino-Laryngology</i> , 2015, 272, 1907-1912.	1.6	8
74	Suppression of ID1 expression in colon cancer cells increases sensitivity to 5-fluorouracil. <i>Acta Biochimica Polonica</i> , 2017, 64, 315-322.	0.5	8
75	K-RAS point mutation, and amplification of C-MYC and C-ERBB2 in colon adenocarcinoma. <i>Folia Histochemica Et Cytobiologica</i> , 2004, 42, 173-9.	1.5	8
76	Id1 Expression Level Determines the Differentiation of Human Dental Pulp Stem Cells. <i>Journal of Dental Research</i> , 2014, 93, 576-581.	5.2	7
77	The Impact of Acetyl-CoA and Aspartate Shortages on the N-Acetylaspartate Level in Different Models of Cholinergic Neurons. <i>Antioxidants</i> , 2020, 9, 522.	5.1	7
78	Effects of TRH, prolactin and TSH on cell proliferation in the intermediate lobe of the rat pituitary gland. <i>Journal of Endocrinology</i> , 1996, 148, 193-196.	2.6	6
79	The effect of different molecular species of sphingomyelin on phospholipase C β 1 activity. <i>Biochimie</i> , 1997, 79, 741-748.	2.6	6
80	Protein kinase C-gamma phorbol-binding domain involved in protein-protein interaction. <i>Molecular and Cellular Biochemistry</i> , 2000, 209, 69-77.	3.1	6
81	Differentiation of high-risk stage I and II colon tumors based on evaluation of CAV1 gene expression. <i>Journal of Surgical Oncology</i> , 2015, 112, 408-414.	1.7	6
82	Expression in <i>Escherichia coli</i> of human ARHGAP6 gene and purification of His-tagged recombinant protein.. <i>Acta Biochimica Polonica</i> , 2003, 50, 239-247.	0.5	6
83	Inhibition of cGMP-Phosphodiesterase Restores the Glomerular Effects of Atrial Natriuretic Factor in Low Sodium Diet Rats. <i>Kidney and Blood Pressure Research</i> , 1995, 18, 254-266.	2.0	5
84	Changes in the structure of pyruvate dehydrogenase complex induced by mono- and divalent ions. <i>International Journal of Biochemistry and Cell Biology</i> , 1995, 27, 513-521.	2.8	5
85	Purine nucleotide cycle in rat renal cortex and medulla under conditions that mimic normal and low oxygen supply. <i>Kidney International</i> , 1996, 50, 1195-1201.	5.2	4
86	Recombinant protein kinase C- β 3 phorbol binding domain upon microinjection blocked insulin-induced maturation of <i>Xenopus</i> oocytes. <i>FEBS Letters</i> , 1998, 423, 31-34.	2.8	4
87	Cell Cycle Inhibitory Protein p27 in Human Middle Ear Cholesteatoma. <i>Orl</i> , 2006, 68, 296-301.	1.1	4
88	Altered response of fibroblasts from human tympanosclerotic membrane to interacting mast cells: Implication for tissue remodeling. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 57, 35-44.	2.8	4
89	Morphological Alterations in the Tympanic Membrane Affected by Tympanosclerosis: Ultrastructural Study. <i>Ultrastructural Pathology</i> , 2014, 38, 69-73.	0.9	4
90	Neither Excessive Nitric Oxide Accumulation nor Acute Hyperglycemia Affects the N-Acetylaspartate Network in Wistar Rat Brain Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8541.	4.1	4

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91	Effect of insulin and glucose on adenosine metabolizing enzymes in human B lymphocytes.. Acta Biochimica Polonica, 2009, 56, .	0.5	4
92	Role of Energy Metabolism in the Progression of Neuroblastoma. International Journal of Molecular Sciences, 2021, 22, 11421.	4.1	4
93	The Regulatory Properties of Kidney Pyruvate Dehydrogenase Complex Components. Archives of Biochemistry and Biophysics, 1993, 300, 489-494.	3.0	3
94	Regulation of adenosine receptors expression in rat B lymphocytes by insulin. Journal of Cellular Biochemistry, 2010, 109, 396-405.	2.6	3
95	Abnormal FHIT gene transcript and c-myc and c-erbB2 amplification in breast cancer.. Acta Biochimica Polonica, 2002, 49, 341-350.	0.5	3
96	Effect of ionic strength on the regulatory properties of 2-oxoglutarate dehydrogenase complex. Biochimie, 1992, 74, 171-176.	2.6	2
97	The Level of TWIST1 expression determines the response of colon cancer cells to mitogen-activated protein kinases inhibitors. Saudi Journal of Gastroenterology, 2018, 24, 37.	1.1	2
98	Overexpression of ID1 reverses the repression of human dental pulp stem cells differentiation induced by TWIST1 silencing. Acta Biochimica Polonica, 2017, 64, 615-619.	0.5	1
99	The cAMP Inducers Modify N-Acetylaspartate Metabolism in Wistar Rat Brain. Antioxidants, 2021, 10, 1404.	5.1	1