

Anna Karlsson

List of Publications by Year in descending order

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39
papers

1,473
citations

471477

17
h-index

395678

33
g-index

39
all docs

39
docs citations

39
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial dysfunction is associated with lipid metabolism disorder and upregulation of angiotensin-converting enzyme 2. PLoS ONE, 2022, 17, e0270418.	2.5	5
2	Interplay Between Thiamine and p53/p21 Axes Affects Antiproliferative Action of Cisplatin in Lung Adenocarcinoma Cells by Changing Metabolism of 2-Oxoglutarate/Glutamate. Frontiers in Genetics, 2021, 12, 658446.	2.3	9
3	Coordinated pyruvate kinase activity is crucial for metabolic adaptation and cell survival during mitochondrial dysfunction. Human Molecular Genetics, 2021, 30, 2012-2026.	2.9	5
4	Age-related metabolic changes limit efficacy of deoxynucleoside-based therapy in thymidine kinase 2-deficient mice. EBioMedicine, 2019, 46, 342-355.	6.1	23
5	Severe mtDNA depletion and dependency on catabolic lipid metabolism in DGUOK knockout mice. Human Molecular Genetics, 2019, 28, 2874-2884.	2.9	13
6	Metformin downregulates the mitochondrial carrier SLC25A10 in a glucose dependent manner. Biochemical Pharmacology, 2018, 156, 444-450.	4.4	11
7	Inhibition of glutamate oxaloacetate transaminase 1 in cancer cell lines results in altered metabolism with increased dependency of glucose. BMC Cancer, 2018, 18, 559.	2.6	44
8	Detection of clinically manifest and silent synovitis in the hands and wrists by fluorescence optical imaging. RMD Open, 2015, 1, e000106-e000106.	3.8	18
9	Tanshinone IIA enhances bystander cell killing of cancer cells expressing Drosophila melanogaster deoxyribonucleoside kinase in nuclei and mitochondria. Oncology Reports, 2015, 34, 1487-1493.	2.6	4
10	Inhibition of oxidative metabolism leads to p53 genetic inactivation and transformation in neural stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1059-1064.	7.1	63
11	The mitochondrial carrier SLC25A10 regulates cancer cell growth. Oncotarget, 2015, 6, 9271-9283.	1.8	38
12	Long Term Expression of Drosophila melanogaster Nucleoside Kinase in Thymidine Kinase 2-deficient Mice with No Lethal Effects Caused by Nucleotide Pool Imbalances. Journal of Biological Chemistry, 2014, 289, 32835-32844.	3.4	7
13	The many isoforms of human adenylate kinases. International Journal of Biochemistry and Cell Biology, 2014, 49, 75-83.	2.8	117
14	Transgene Expression of Drosophila melanogaster Nucleoside Kinase Reverses Mitochondrial Thymidine Kinase 2 Deficiency. Journal of Biological Chemistry, 2013, 288, 5072-5079.	3.4	12
15	The human adenylate kinase 9 is a nucleoside mono- and diphosphate kinase. International Journal of Biochemistry and Cell Biology, 2013, 45, 925-931.	2.8	42
16	Gene Expression Deregulation in Postnatal Skeletal Muscle of TK2 Deficient Mice Reveals a Lower Pool of Proliferating Myogenic Progenitor Cells. PLoS ONE, 2013, 8, e53698.	2.5	8
17	Thymidine Kinase 2 Deficiency-Induced mtDNA Depletion in Mouse Liver Leads to Defect \hat{I}^2 -Oxidation. PLoS ONE, 2013, 8, e58843.	2.5	10
18	Recent Advances in Thymidine Kinase 2 (TK2) Inhibitors and New Perspectives for Potential Applications. Current Pharmaceutical Design, 2012, 18, 2981-2994.	1.9	15

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19	Synthesis, modeling and evaluation of 3-((1-aryl-1H-tetrazol-5-ylamino)-substituted 2-deoxythymidine derivatives as potent and selective human mitochondrial thymidine kinase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 892-901.	2.8	16
20	The characterization of human adenylate kinases 7 and 8 demonstrates differences in kinetic parameters and structural organization among the family of adenylate kinase isoenzymes. <i>Biochemical Journal</i> , 2011, 433, 527-534.	3.7	36
21	Hematopoiesis in the thymidine kinase 2 deficient mouse model of mitochondrial DNA depletion syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2010, 33, 231-236.	3.6	3
22	Retained Sensitivity to Cytotoxic Pyrimidine Nucleoside Analogs in Thymidine Kinase 2 Deficient Human Fibroblasts. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2010, 29, 1-13.	1.1	1
23	Loss of thymidine kinase 2 alters neuronal bioenergetics and leads to neurodegeneration. <i>Human Molecular Genetics</i> , 2010, 19, 1669-1677.	2.9	35
24	Evidence of an intact N-terminal translocation sequence of human mitochondrial adenylate kinase 4. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 62-69.	2.8	28
25	Identification of two active functional domains of human adenylate kinase 5. <i>FEBS Letters</i> , 2009, 583, 2872-2876.	2.8	14
26	Human UMP-CMP Kinase 2, a Novel Nucleoside Monophosphate Kinase Localized in Mitochondria. <i>Journal of Biological Chemistry</i> , 2008, 283, 1563-1571.	3.4	81
27	Progressive loss of mitochondrial DNA in thymidine kinase 2-deficient mice. <i>Human Molecular Genetics</i> , 2008, 17, 2329-2335.	2.9	85
28	Mitochondrial Expression of the <i>Drosophila melanogaster</i> Multisubstrate Deoxyribonucleoside Kinase. <i>Molecular Pharmacology</i> , 2007, 72, 1593-1598.	2.3	4
29	Substrate specificity and phosphorylation of antiviral and anticancer nucleoside analogues by human deoxyribonucleoside kinases and ribonucleoside kinases. , 2003, 100, 119-139.		132
30	Bystander Effects of Cancer Cell Lines Transduced with the Multisubstrate Deoxyribonucleoside Kinase of <i>Drosophila melanogaster</i> and Synergistic Enhancement by Hydroxyurea. <i>Molecular Pharmacology</i> , 2001, 60, 262-266.	2.3	23
31	Phosphorylation of nucleosides and nucleoside analogs by mammalian nucleoside monophosphate kinases. , 2000, 87, 189-198.		193
32	Differential incorporation of 1- ¹⁴ C-D-arabinofuranosylcytosine and 9- ¹⁴ C-D-arabinofuranosylguanine into nuclear and mitochondrial DNA. <i>FEBS Letters</i> , 2000, 474, 129-132.	2.8	18
33	Conserved gene structure and transcription factor sites in the human and mouse deoxycytidine kinase genes1. <i>FEBS Letters</i> , 2000, 487, 209-212.	2.8	7
34	Phosphorylation of Deoxycytidine Analog Monophosphates by UMP-CMP Kinase: Molecular Characterization of the Human Enzyme. <i>Molecular Pharmacology</i> , 1999, 56, 562-569.	2.3	88
35	Cloning and Characterization of the Multisubstrate Deoxyribonucleoside Kinase of <i>Drosophila melanogaster</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 23814-23819.	3.4	82
36	Identification of a novel human adenylate kinase. cDNA cloning, expression analysis, chromosome localization and characterization of the recombinant protein. <i>FEBS Journal</i> , 1999, 261, 509-517.	0.2	51

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37	Cloning of mouse mitochondrial thymidine kinase 2 cDNA. FEBS Letters, 1999, 460, 103-106.	2.8	10
38	Cloning of the cDNA and Chromosome Localization of the Gene for Human Thymidine Kinase 2. Journal of Biological Chemistry, 1997, 272, 8454-8458.	3.4	100
39	Hydroxyurea increases the phosphorylation of 3'-fluorothymidine and 3'-azidothymidine in CEM cells. FEBS Journal, 1989, 186, 689-694.	0.2	22