

Nissim Hay

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

12,862
citations

172207

29
h-index

301761

39
g-index

45
all docs

45
docs citations

45
times ranked

20541
citing authors

#	ARTICLE	IF	CITATIONS
1	Upstream and downstream of mTOR. <i>Genes and Development</i> , 2004, 18, 1926-1945.	2.7	3,638
2	The pentose phosphate pathway and cancer. <i>Trends in Biochemical Sciences</i> , 2014, 39, 347-354.	3.7	1,018
3	AMPK regulates NADPH homeostasis to promote tumour cell survival during energy stress. <i>Nature</i> , 2012, 485, 661-665.	13.7	934
4	Inhibition of early apoptotic events by Akt/PKB is dependent on the first committed step of glycolysis and mitochondrial hexokinase. <i>Genes and Development</i> , 2001, 15, 1406-1418.	2.7	828
5	Reprogramming glucose metabolism in cancer: can it be exploited for cancer therapy?. <i>Nature Reviews Cancer</i> , 2016, 16, 635-649.	12.8	775
6	Hexokinase 2 Is Required for Tumor Initiation and Maintenance and Its Systemic Deletion Is Therapeutic in Mouse Models of Cancer. <i>Cancer Cell</i> , 2013, 24, 213-228.	7.7	678
7	Akt Determines Replicative Senescence and Oxidative or Oncogenic Premature Senescence and Sensitizes Cells to Oxidative Apoptosis. <i>Cancer Cell</i> , 2008, 14, 458-470.	7.7	676
8	Akt/Protein Kinase B Inhibits Cell Death by Preventing the Release of Cytochrome <i>c</i> from Mitochondria. <i>Molecular and Cellular Biology</i> , 1999, 19, 5800-5810.	1.1	613
9	Hexokinase-Mitochondria Interaction Mediated by Akt Is Required to Inhibit Apoptosis in the Presence or Absence of Bax and Bak. <i>Molecular Cell</i> , 2004, 16, 819-830.	4.5	592
10	Is Akt the "Warburg kinase"? Akt-energy metabolism interactions and oncogenesis. <i>Seminars in Cancer Biology</i> , 2009, 19, 25-31.	4.3	497
11	Hexokinase-2 depletion inhibits glycolysis and induces oxidative phosphorylation in hepatocellular carcinoma and sensitizes to metformin. <i>Nature Communications</i> , 2018, 9, 446.	5.8	311
12	FoxOs Inhibit mTORC1 and Activate Akt by Inducing the Expression of Sestrin3 and Rictor. <i>Developmental Cell</i> , 2010, 18, 592-604.	3.1	304
13	Akt Inhibits Apoptosis Downstream of BID Cleavage via a Glucose-Dependent Mechanism Involving Mitochondrial Hexokinases. <i>Molecular and Cellular Biology</i> , 2004, 24, 730-740.	1.1	269
14	Interplay between FOXO, TOR, and Akt. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1965-1970.	1.9	256
15	FGF-dependent metabolic control of vascular development. <i>Nature</i> , 2017, 545, 224-228.	13.7	256
16	Akt deficiency impairs normal cell proliferation and suppresses oncogenesis in a p53-independent and mTORC1-dependent manner. <i>Cancer Cell</i> , 2006, 10, 269-280.	7.7	207
17	Akt as a target for cancer therapy: more is not always better (lessons from studies in mice). <i>British Journal of Cancer</i> , 2017, 117, 159-163.	2.9	101
18	Spontaneous Hepatocellular Carcinoma after the Combined Deletion of Akt Isoforms. <i>Cancer Cell</i> , 2016, 29, 523-535.	7.7	89

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19	Quantitative Lipid Imaging Reveals a New Signaling Function of Phosphatidylinositol-3,4-Bisphosphate: Isoform- and Site-Specific Activation of Akt. <i>Molecular Cell</i> , 2018, 71, 1092-1104.e5.	4.5	89
20	Aerobic Glycolysis Is Essential for Normal Rod Function and Controls Secondary Cone Death in Retinitis Pigmentosa. <i>Cell Reports</i> , 2018, 23, 2629-2642.	2.9	88
21	Identifying strategies to target the metabolic flexibility of tumours. <i>Nature Metabolism</i> , 2020, 2, 335-350.	5.1	86
22	Akt isoforms and glucose homeostasis – the leptin connection. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 66-73.	3.1	80
23	A transcriptional activation function of p53 is dispensable for and inhibitory of its apoptotic function. <i>Oncogene</i> , 2001, 20, 659-668.	2.6	73
24	p53 Strikes mTORC1 by Employing Sestrins. <i>Cell Metabolism</i> , 2008, 8, 184-185.	7.2	50
25	mTORC1 Hyperactivity Inhibits Serum Deprivation-Induced Apoptosis via Increased Hexokinase II and GLUT1 Expression, Sustained Mcl-1 Expression, and Glycogen Synthase Kinase 3 β Inhibition. <i>Molecular and Cellular Biology</i> , 2009, 29, 5136-5147.	1.1	45
26	Hepatic HKDC1 Expression Contributes to Liver Metabolism. <i>Endocrinology</i> , 2019, 160, 313-330.	1.4	40
27	Hexokinase 2 as oncotarget. <i>Oncotarget</i> , 2013, 4, 1862-1863.	0.8	37
28	Akt1 promotes stimuli-induced endothelial-barrier protection through FoxO-mediated tight-junction protein turnover. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 3917-3933.	2.4	35
29	Hexokinase 2 is dispensable for T cell-dependent immunity. <i>Cancer & Metabolism</i> , 2018, 6, 10.	2.4	33
30	Selective eradication of cancer displaying hyperactive Akt by exploiting the metabolic consequences of Akt activation. <i>ELife</i> , 2018, 7, .	2.8	32
31	Cell-Autonomous versus Systemic Akt Isoform Deletions Uncovered New Roles for Akt1 and Akt2 in Breast Cancer. <i>Molecular Cell</i> , 2020, 80, 87-101.e5.	4.5	32
32	A non-catalytic scaffolding activity of hexokinase 2 contributes to EMT and metastasis. <i>Nature Communications</i> , 2022, 13, 899.	5.8	29
33	Systemic Akt1 Deletion after Tumor Onset in p53 $\Delta\Delta$ Mice Increases Lifespan and Regresses Thymic Lymphoma Emulating p53 Restoration. <i>Cell Reports</i> , 2015, 12, 610-621.	2.9	11
34	Fuelling cancer cells. <i>Nature Reviews Endocrinology</i> , 2019, 15, 71-72.	4.3	10
35	Expanding the concepts of cancer metabolism. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-3.	3.2	9
36	Hexokinase II may be dispensable for CD4 T cell responses against a virus infection. <i>PLoS ONE</i> , 2018, 13, e0191533.	1.1	9

#	ARTICLE	IF	CITATIONS
37	Amalgam regulates the receptor tyrosine kinase pathway through Sprouty in glial cell development. Journal of Cell Science, 2020, 133, .	1.2	6
38	The calcium-binding protein S100B reduces IL6 production in malignant melanoma via inhibition of RSK cellular signaling. PLoS ONE, 2021, 16, e0256238.	1.1	1
39	The Roles of Akt1 and Akt2 in GPIb-IX-Mediated Platelet Activation Signaling.. Blood, 2007, 110, 3635-3635.	0.6	0
40	The Role of Akt3 in Platelet Activation. Blood, 2008, 112, 2853-2853.	0.6	0
41	The Role of Akt3 in Mediating Outside-in Signaling of the Platelet Integrin α IIb β 3. Blood, 2011, 118, 1134-1134.	0.6	0
42	How to inhibit breast cancer and breast cancer metastasis with Akt inhibitors: Lessons learned from studies in mice.. , 2021, 1, 30-33.		0