

Robert A Harris

List of Publications by Year in descending order

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63
papers

3,177
citations

136950

32
h-index

155660

55
g-index

68
all docs

68
docs citations

68
times ranked

4581
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of the activity of the pyruvate dehydrogenase complex. <i>Advances in Enzyme Regulation</i> , 2002, 42, 249-259.	2.6	280
2	Regulation of Pyruvate Dehydrogenase Kinase Expression by Peroxisome Proliferator-Activated Receptor- α Ligands, Glucocorticoids, and Insulin. <i>Diabetes</i> , 2002, 51, 276-283.	0.6	221
3	Overview of the Molecular and Biochemical Basis of Branched-Chain Amino Acid Catabolism. <i>Journal of Nutrition</i> , 2005, 135, 1527S-1530S.	2.9	153
4	Mechanisms responsible for regulation of branched-chain amino acid catabolism. <i>Biochemical and Biophysical Research Communications</i> , 2004, 313, 391-396.	2.1	145
5	Protein Kinase B- α Inhibits Human Pyruvate Dehydrogenase Kinase-4 Gene Induction by Dexamethasone Through Inactivation of FOXO Transcription Factors. <i>Diabetes</i> , 2004, 53, 899-910.	0.6	141
6	Human skeletal muscle PDH kinase activity and isoform expression during a 3-day high-fat/low-carbohydrate diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E1151-E1158.	3.5	131
7	Sulforaphane attenuates hepatic fibrosis via NF-E2-related factor 2-mediated inhibition of transforming growth factor- β /Smad signaling. <i>Free Radical Biology and Medicine</i> , 2012, 52, 671-682.	2.9	125
8	PDK4 Augments ER-Mitochondria Contact to Dampen Skeletal Muscle Insulin Signaling During Obesity. <i>Diabetes</i> , 2019, 68, 571-586.	0.6	116
9	Insulin Downregulates Pyruvate Dehydrogenase Kinase (PDK) mRNA: Potential Mechanism Contributing to Increased Lipid Oxidation in Insulin-Resistant Subjects. <i>Molecular Genetics and Metabolism</i> , 1998, 65, 181-186.	1.1	101
10	Metabolic Flexibility in Cancer: Targeting the Pyruvate Dehydrogenase Kinase:Pyruvate Dehydrogenase Axis. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 1673-1681.	4.1	91
11	Structure of Pyruvate Dehydrogenase Kinase. <i>Journal of Biological Chemistry</i> , 2001, 276, 37443-37450.	3.4	89
12	Mammalian α -keto acid dehydrogenase complexes: gene regulation and genetic defects 1. <i>FASEB Journal</i> , 1995, 9, 1164-1172.	0.5	86
13	The predominance of binucleation in isolated rat heart myocytes. <i>American Journal of Anatomy</i> , 1977, 149, 489-499.	1.0	84
14	Pyruvate dehydrogenase kinase 4 deficiency attenuates cisplatin-induced acute kidney injury. <i>Kidney International</i> , 2017, 91, 880-895.	5.2	77
15	Ablation of XP-V gene causes adipose tissue senescence and metabolic abnormalities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4556-64.	7.1	69
16	SIRT6 Promotes Hepatic Beta-Oxidation via Activation of PPAR- α . <i>Cell Reports</i> , 2019, 29, 4127-4143.e8.	6.4	68
17	Pyruvate Dehydrogenase Kinase-mediated Glycolytic Metabolic Shift in the Dorsal Root Ganglion Drives Painful Diabetic Neuropathy. <i>Journal of Biological Chemistry</i> , 2016, 291, 6011-6025.	3.4	62
18	Role of Pyruvate Dehydrogenase Kinase 4 in Regulation of Blood Glucose Levels. <i>Korean Diabetes Journal</i> , 2010, 34, 274.	0.8	60

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19	Pyruvate Dehydrogenase Kinase Is a Metabolic Checkpoint for Polarization of Macrophages to the M1 Phenotype. <i>Frontiers in Immunology</i> , 2019, 10, 944.	4.8	58
20	Metabolic Connection of Inflammatory Pain: Pivotal Role of a Pyruvate Dehydrogenase Kinase-Pyruvate Dehydrogenase-Lactic Acid Axis. <i>Journal of Neuroscience</i> , 2015, 35, 14353-14369.	3.6	56
21	Sirtuin 6 regulates glucose-stimulated insulin secretion in mouse pancreatic beta cells. <i>Diabetologia</i> , 2016, 59, 151-160.	6.3	56
22	Pyruvate Dehydrogenase Kinase 4 Promotes Vascular Calcification via SMAD1/5/8 Phosphorylation. <i>Scientific Reports</i> , 2015, 5, 16577.	3.3	55
23	Inhibition of Pyruvate Dehydrogenase Kinase 2 Protects Against Hepatic Steatosis Through Modulation of Tricarboxylic Acid Cycle Anaplerosis and Ketogenesis. <i>Diabetes</i> , 2016, 65, 2876-2887.	0.6	53
24	Retinoic acid-related orphan receptor alpha reprograms glucose metabolism in glutamine-deficient hepatoma cells. <i>Hepatology</i> , 2015, 61, 953-964.	7.3	51
25	Carbohydrate-response Element-binding Protein Deletion Alters Substrate Utilization Producing an Energy-deficient Liver. <i>Journal of Biological Chemistry</i> , 2008, 283, 1670-1678.	3.4	50
26	Nitric Oxide Produced by Macrophages Inhibits Adipocyte Differentiation and Promotes Profibrogenic Responses in Preadipocytes to Induce Adipose Tissue Fibrosis. <i>Diabetes</i> , 2016, 65, 2516-2528.	0.6	46
27	PDK4 drives metabolic alterations and muscle atrophy in cancer cachexia. <i>FASEB Journal</i> , 2019, 33, 7778-7790.	0.5	46
28	Fasting induces ketoacidosis and hypothermia in PDHK2/PDHK4-double-knockout mice. <i>Biochemical Journal</i> , 2012, 443, 829-839.	3.7	42
29	PDK4 Deficiency Suppresses Hepatic Glucagon Signaling by Decreasing cAMP Levels. <i>Diabetes</i> , 2018, 67, 2054-2068.	0.6	40
30	Structural and mechanistic similarities of 6-phosphogluconate and 3-hydroxyisobutyrate dehydrogenases reveal a new enzyme family, the 3-hydroxyacid dehydrogenases. <i>FEBS Letters</i> , 1996, 389, 263-267.	2.8	38
31	L-Asparaginase delivered by <i>Salmonella typhimurium</i> suppresses solid tumors. <i>Molecular Therapy - Oncolytics</i> , 2015, 2, 15007.	4.4	38
32	Regulation of Branched-Chain Amino Acid Catabolism. <i>Journal of Nutrition</i> , 1994, 124, 1499S-1502S.	2.9	34
33	Regulation of the activity of branched-chain 2-oxo acid dehydrogenase (BCODH) complex by binding BCODH kinase. <i>FEBS Letters</i> , 2001, 491, 50-54.	2.8	34
34	Loss of metabolic flexibility as a result of overexpression of pyruvate dehydrogenase kinases in muscle, liver and the immune system: Therapeutic targets in metabolic diseases. <i>Journal of Diabetes Investigation</i> , 2021, 12, 21-31.	2.4	34
35	Inhibition of hepatic lipogenesis by 2-tetradecylglycidic acid. <i>Lipids</i> , 1979, 14, 880-882.	1.7	32
36	Melatonin ameliorates alcohol-induced bile acid synthesis by enhancing miR-497 expression. <i>Journal of Pineal Research</i> , 2017, 62, e12386.	7.4	29

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37	Induction of SIRT1 by melatonin improves alcohol-mediated oxidative liver injury by disrupting the CRBN-CYP2E1 signaling pathway. <i>Journal of Pineal Research</i> , 2020, 68, e12638.	7.4	29
38	Studies on the Cardiomegaly of the Spontaneously Hypertensive Rat. <i>Circulation Research</i> , 1974, 35, 102-110.	4.5	26
39	The SMILE transcriptional corepressor inhibits cAMP response element-binding protein (CREB)-mediated transactivation of gluconeogenic genes. <i>Journal of Biological Chemistry</i> , 2018, 293, 13125-13133.	3.4	25
40	Insulin-Inducible SMILE Inhibits Hepatic Gluconeogenesis. <i>Diabetes</i> , 2016, 65, 62-73.	0.6	24
41	A critical review of the role of M2PYK in the Warburg effect. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1871, 225-239.	7.4	22
42	PDH activation during in vitro muscle contractions in PDH kinase 2 knockout mice: effect of PDH kinase 1 compensation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1487-R1493.	1.8	21
43	Inhibition of cereblon by fenofibrate ameliorates alcoholic liver disease by enhancing AMPK. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2662-2670.	3.8	18
44	Introduction. <i>Journal of Nutrition</i> , 2001, 131, 839S-840S.	2.9	15
45	The Orphan Nuclear Receptor ERR β Regulates Hepatic CB1 Receptor-Mediated Fibroblast Growth Factor 21 Gene Expression. <i>PLoS ONE</i> , 2016, 11, e0159425.	2.5	13
46	Ferroptosis: A cell death from modulation of oxidative phosphorylation and PKM2-dependent glycolysis in melanoma. <i>Oncotarget</i> , 2014, 5, 12694-12703.	1.8	13
47	Phosphorylation affects the mobility of the E1 β -subunit of branched-chain 2-oxo acid dehydrogenase on sodium dodecyl sulphate/polyacrylamide-gel electrophoresis. <i>Biochemical Society Transactions</i> , 1986, 14, 1077-1078.	3.4	9
48	Ca ²⁺ -dependent inhibition of branched-chain β -ketoacid dehydrogenase kinase by thiamine pyrophosphate. <i>Biochemical and Biophysical Research Communications</i> , 2018, 504, 916-920.	2.1	9
49	Glucagon and N ⁶ ,O ² -dibutyryl adenosine 3',5'-monophosphate inhibition of lipogenesis and phosphofructokinase activity of hepatocytes from meal-fed rats. <i>Lipids</i> , 1980, 15, 504-511.	1.7	8
50	Regulation of branched-chain amino acid metabolism. <i>Biochemical Society Transactions</i> , 1986, 14, 1005-1008.	3.4	8
51	Immunochemical identification of branched-chain 2-oxo acid dehydrogenase kinase. <i>FEBS Letters</i> , 1991, 288, 95-97.	2.8	8
52	Studies on the inhibition of hepatic lipogenesis by carboxylic acids. <i>Biochemical Society Transactions</i> , 1980, 8, 562-563.	3.4	7
53	Pyruvate dehydrogenase kinase 1 and 2 deficiency reduces high-fat diet-induced hypertrophic obesity and inhibits the differentiation of preadipocytes into mature adipocytes. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1390-1401.	7.7	5
54	Stimulation of ion transport by phosphoglycerides. <i>Lipids</i> , 1973, 8, 717-721.	1.7	4

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55	Regulatory function of mitochondria in lipogenesis. <i>Lipids</i> , 1973, 8, 711-716.	1.7	2
56	PDK2: An Underappreciated Regulator of Liver Metabolism. <i>Livers</i> , 2021, 1, 82-97.	1.9	1
57	COMPARATIVE STUDIES OF HEPATOCYTES ISOLATED FROM LEAN AND OBESE ZUCKER RATS. <i>Biochemical Society Transactions</i> , 1981, 9, 309P-309P.	3.4	0
58	Proteomic Comparison of Heart and Liver Mitochondria in Diabetes. <i>FASEB Journal</i> , 2006, 20, A65.	0.5	0
59	BCAA hypercatabolism does not inhibit leucine stimulation of the mTOR pathway in skeletal muscle of mice deleted for BDK.. <i>FASEB Journal</i> , 2006, 20, A161.	0.5	0
60	Knocking out pyruvate dehydrogenase kinase 4 lowers blood glucose by altering fuel selection in peripheral tissues. <i>FASEB Journal</i> , 2006, 20, .	0.5	0
61	GCN2 is Essential for the Survival of Mice Born Deficient in Branched-Chain alpha-Ketoacid Dehydrogenase Kinase (BDK).. <i>FASEB Journal</i> , 2009, 23, 228.8.	0.5	0
62	Pyruvate dehydrogenase kinase 4 (PDK4) deficiency attenuates the long-term negative effects of a high-saturated fat diet. <i>FASEB Journal</i> , 2009, 23, 856.19.	0.5	0
63	GCN2 is Essential for Oligodendrocyte Development and Myelination in the Brains of Mice Born Deficient in Branched-Chain alpha-Ketoacid Dehydrogenase Kinase (BDK). <i>FASEB Journal</i> , 2010, 24, 331.5.	0.5	0