

R Brooks Robey

List of Publications by Year in descending order

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52
papers

5,029
citations

257101

24
h-index

189595

50
g-index

57
all docs

57
docs citations

57
times ranked

7467
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Is Akt the "Warburg kinase"? Akt-energy metabolism interactions and oncogenesis. <i>Seminars in Cancer Biology</i> , 2009, 19, 25-31.	4.3	497
5	Mitochondrial hexokinases, novel mediators of the antiapoptotic effects of growth factors and Akt. <i>Oncogene</i> , 2006, 25, 4683-4696.	2.6	468
6	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
7	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015, 36, S254-S296.	1.3	239
8	Designing a broad-spectrum integrative approach for cancer prevention and treatment. <i>Seminars in Cancer Biology</i> , 2015, 35, S276-S304.	4.3	220
9	Increased Hexokinase Activity, of Either Ectopic or Endogenous Origin, Protects Renal Epithelial Cells against Acute Oxidant-induced Cell Death. <i>Journal of Biological Chemistry</i> , 2002, 277, 11392-11400.	1.6	119
10	Analysis of the Signaling Pathway Involved in the Regulation of Hexokinase II Gene Transcription by Insulin. <i>Journal of Biological Chemistry</i> , 1996, 271, 16690-16694.	1.6	109
11	CD36-Mediated Metabolic Rewiring of Breast Cancer Cells Promotes Resistance to HER2-Targeted Therapies. <i>Cell Reports</i> , 2019, 29, 3405-3420.e5.	2.9	104
12	Mitochondrial Hexokinases: Guardians of the Mitochondria. <i>Cell Cycle</i> , 2005, 4, 654-658.	1.3	99
13	Metabolic reprogramming and dysregulated metabolism: cause, consequence and/or enabler of environmental carcinogenesis?. <i>Carcinogenesis</i> , 2015, 36, S203-S231.	1.3	93
14	pH-Dependent Fluorescence of a Heterologously Expressed Aequorea Green Fluorescent Protein Mutant: In Situ Spectral Characteristics and Applicability to Intracellular pH Estimation. <i>Biochemistry</i> , 1998, 37, 9894-9901.	1.2	72
15	Identification and Characterization of Basal and Cyclic AMP Response Elements in the Promoter of the Rat Hexokinase II Gene. <i>Journal of Biological Chemistry</i> , 1996, 271, 17296-17303.	1.6	60
16	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
17	Basolateral Na ⁺ /HCO ₃ ⁻ cotransport activity is regulated by the dissociable Na ⁺ /H ⁺ exchanger regulatory factor. <i>Journal of Clinical Investigation</i> , 1999, 104, 195-201.	3.9	41
18	Angiotensin II Stimulation of Renal Epithelial Cell Na/HCO ₃ Cotransport Activity: A Central Role for Src Family Kinase/Classic MAPK Pathway Coupling. <i>Journal of Membrane Biology</i> , 2002, 187, 135-145.	1.0	36

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19	Perspectives from the Kidney Health Initiative on Advancing Technologies to Facilitate Remote Monitoring of Patient Self-Care in RRT. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2017, 12, 1900-1909.	2.2	36
20	Targeting Access to Kidney Care Via Telehealth: The VA Experience. <i>Advances in Chronic Kidney Disease</i> , 2017, 24, 22-30.	0.6	31
21	A central role for Pyk2-Src interaction in coupling diverse stimuli to increased epithelial NBC activity. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F663-F670.	1.3	30
22	Vascular factors altered in glucose-treated mesangial cells and diabetic glomeruli. Changes in vascular factors impair endothelial cell growth and matrix. <i>Laboratory Investigation</i> , 2004, 84, 597-606.	1.7	29
23	A non-catalytic scaffolding activity of hexokinase 2 contributes to EMT and metastasis. <i>Nature Communications</i> , 2022, 13, 899.	5.8	29
24	AUF1/hnRNP D represses expression of VEGF in macrophages. <i>Molecular Biology of the Cell</i> , 2012, 23, 1414-1422.	0.9	28
25	Thrombin is a novel regulator of hexokinase activity in mesangial cells. <i>Kidney International</i> , 2000, 57, 2308-2318.	2.6	24
26	SFKs, Ras, and the classic MAPK pathway couple muscarinic receptor activation to increased Na-HCO ₃ cotransport activity in renal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, F844-F850.	1.3	22
27	Proinflammatory interleukin-1 cytokines increase mesangial cell hexokinase activity and hexokinase II isoform abundance. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C548-C557.	2.1	18
28	Chronic Kidney Disease Progression and Cardiovascular Outcomes Following Cardiac Catheterization—A Population—Controlled Study. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	17
29	Regulation of Mesangial Cell Hexokinase Activity and Expression by Heparin-binding Epidermal Growth Factor-like Growth Factor. <i>Journal of Biological Chemistry</i> , 2002, 277, 14370-14378.	1.6	16
30	Akt, hexokinase, mTOR: Targeting cellular energy metabolism for cancer therapy. <i>Drug Discovery Today Disease Mechanisms</i> , 2005, 2, 239-246.	0.8	15
31	Functional Polymorphism of the Anpep Gene Increases Promoter Activity in the Dahl Salt-Resistant Rat. <i>Hypertension</i> , 2007, 49, 467-472.	1.3	14
32	Cyclical dehydration-induced renal injury and Mesoamerican nephropathy: as sweet by any other name?. <i>Kidney International</i> , 2014, 86, 226-229.	2.6	14
33	Induction of the Glucokinase Gene by Insulin in Cultured Neonatal Rat Hepatocytes. Relationship with DNase-I Hypersensitive Sites and Functional Analysis of a Putative Insulin-Response Element. <i>FEBS Journal</i> , 1996, 236, 214-221.	0.2	13
34	Insulin-mediated activation of activator protein-1 through the mitogen-activated protein kinase pathway stimulates collagenase-1 gene transcription in the MES 13 mesangial cell line. <i>Journal of Molecular Endocrinology</i> , 2004, 33, 263-280.	1.1	13
35	Reduced susceptibility to azoxymethane-induced aberrant crypt foci formation and colon cancer in growth hormone deficient rats. <i>Growth Hormone and IGF Research</i> , 2009, 19, 447-456.	0.5	13
36	Transient Gene Transfer into Myotubes Following Differentiation in Culture. <i>BioTechniques</i> , 1996, 20, 40-42.	0.8	12

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37	Regulation of mesangial cell hexokinase activity by PKC and the classic MAPK pathway. American Journal of Physiology - Renal Physiology, 1999, 277, F742-F749.	1.3	12
38	Peptides modeled on the RGG domain of AUF1/hnRNP-D regulate 3' UTR-dependent gene expression. International Immunopharmacology, 2013, 17, 132-141.	1.7	11
39	Regulation of the renal Na-HCO ₃ cotransporter. XI. Signal transduction underlying CO ₂ stimulation. American Journal of Physiology - Renal Physiology, 1999, 277, F580-F586.	1.3	10
40	The Role of Phosphatidylinositol 3-Kinase (PI3K) in CO ₂ Stimulation of the Na ⁺ /HCO ₃ ⁻ Cotransporter (NBC). Journal of Membrane Biology, 2003, 191, 141-148.	1.0	9
41	LPA is a novel lipid regulator of mesangial cell hexokinase activity and HKII isoform expression. American Journal of Physiology - Renal Physiology, 2002, 283, F271-F279.	1.3	7
42	Does Furosemide Have a Role in the Management of Hypercalcemia?. Annals of Internal Medicine, 2009, 150, 146.	2.0	5
43	Hexokinase: a novel sugar kinase coupled to renal epithelial cell survival. Kidney International, 2011, 79, 1163-1165.	2.6	5
44	Adverse Effects of Low-Dose Methotrexate. Annals of Internal Medicine, 2020, 173, 166-167.	2.0	5
45	Does sunscreen promote hypertension? and other questions. Novel interactions between vitamin D and the renin-angiotensin axis. Focus on The world pandemic of vitamin D deficiency could possibly be explained by cellular inflammatory response activity induced by the renin-angiotensin system. American Journal of Physiology - Cell Physiology, 2013, 304, C1040-C1041.	2.1	4
46	Changing the Terminology of Cancer. JAMA - Journal of the American Medical Association, 2014, 311, 202.	3.8	3
47	Caveat experimenter: reporting expression profiling data involving multiple, functionally redundant isoforms. Journal of Leukocyte Biology, 2003, 74, 307-308.	1.5	1
48	Effects of Antiplatelet Therapy on Mortality and Cardiovascular and Bleeding Outcomes in Persons With Chronic Kidney Disease. Annals of Internal Medicine, 2012, 157, 302.	2.0	1
49	Varenicline for Smoking Reduction Prior to Cessation. JAMA - Journal of the American Medical Association, 2015, 313, 2285.	3.8	1
50	IGF-1 receptor/EGF-receptor interaction in CaCo2 cellss. Gastroenterology, 2003, 124, A306.	0.6	0
51	Potassium Levels After Acute Myocardial Infarction. JAMA - Journal of the American Medical Association, 2012, 307, 1578.	3.8	0
52	Metabolic Dysregulation in Environmental Carcinogenesis and Toxicology. , 0, , 511-606.		0