Dieter Schmoll

List of Publications by Year
in descending order

Version: 2024-02-01

53 papers	3,018 citations	201385 27 h-index	189595 50 g-index
54 all docs	54 docs citations	54 times ranked	4051 citing authors

#	Article	IF	Citations
1	FoxO proteins in insulin action and metabolism. Trends in Endocrinology and Metabolism, 2005, 16, 183-189.	3.1	514
2	Novel concepts in insulin regulation of hepatic gluconeogenesis. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E685-E692.	1.8	399
3	Regulation of Glucose-6-phosphatase Gene Expression by Protein Kinase BÎ± and the Forkhead Transcription Factor FKHR. Journal of Biological Chemistry, 2000, 275, 36324-36333.	1.6	295
4	A liver stress-endocrine nexus promotes metabolic integrity during dietary protein dilution. Journal of Clinical Investigation, 2016, 126, 3263-3278.	3.9	138
5	Differential Regulation of Endogenous Glucose-6-Phosphatase and Phosphoenolpyruvate Carboxykinase Gene Expression by the Forkhead Transcription Factor FKHR in H4IIE-Hepatoma Cells. Biochemical and Biophysical Research Communications, 2001, 285, 897-902.	1.0	97
6	Increased expression and altered location of annexin IV in renal clear cell carcinoma: a possible role in tumour dissemination. Cancer Letters, 2004, 209, 111-118.	3.2	87
7	Identification of a cAMP response element within the glucose- 6-phosphatase hydrolytic subunit gene promoter which is involved in the transcriptional regulation by cAMP and glucocorticoids in H4IIE hepatoma cells. Biochemical Journal, 1999, 338, 457-463.	1.7	79
8	Characterization of RA839, a Noncovalent Small Molecule Binder to Keap1 and Selective Activator of Nrf2 Signaling. Journal of Biological Chemistry, 2015, 290, 28446-28455.	1.6	78
9	Acyl Ureas as Human Liver Glycogen Phosphorylase Inhibitors for the Treatment of Type 2 Diabetes. Journal of Medicinal Chemistry, 2005, 48, 6178-6193.	2.9	77
10	Regulation of the Forkhead Transcription Factor FKHR (FOXO1a) by Glucose Starvation and AICAR, an Activator of AMP-Activated Protein Kinase. Endocrinology, 2002, 143, 3183-3186.	1.4	74
11	Cloning and sequencing of the 5â€² region of the human glucose-6-phosphatase gene: transcriptional regulation by cAMP, insulin and glucocorticoids in H4IIE hepatoma cells. FEBS Letters, 1996, 383, 63-66.	1.3	73
12	Mice lacking neutral amino acid transporter B0AT1 (Slc6a19) have elevated levels of FGF21 and GLP-1 and improved glycaemic control. Molecular Metabolism, 2015, 4, 406-417.	3.0	71
13	Restriction of essential amino acids dictates the systemic metabolic response to dietary protein dilution. Nature Communications, 2020, 11, 2894.	5.8	71
14	Modulation of FoxO signaling in human hepatoma cells by exposure to copper or zinc ions. Archives of Biochemistry and Biophysics, 2006, 454, 107-113.	1.4	60
15	Significant Amounts of Glycogen are Synthesized from 3-Carbon Compounds in Astroglial Primary Cultures from Mice with Participation of the Mitochondrial Phosphoenolpyruvate Carboxykinase Isoenzyme. FEBS Journal, 1995, 227, 308-315.	0.2	57
16	Repletion of branched chain amino acids reverses mTORC1 signaling but not improved metabolism during dietary protein dilution. Molecular Metabolism, 2017, 6, 873-881.	3.0	54
17	Molecular Basis for the Interaction of the Mammalian Amino Acid Transporters B0AT1 and B0AT3 with Their Ancillary Protein Collectrin. Journal of Biological Chemistry, 2015, 290, 24308-24325.	1.6	51
18	Endoplasmic Reticulum Stress Increases Glucose-6-Phosphatase and Glucose Cycling in Liver Cells. Endocrinology, 2006, 147, 350-358.	1.4	50

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19	Incorporation of Radioactivity from [14C] Lactate into the Glycogen of Cultured Mouse Astroglial Cells Evidence for Gluconeogenesis in Brain Cells. Biological Chemistry Hoppe-Seyler, 1993, 374, 343-348.	1.4	48
20	Identification of novel inhibitors of the amino acid transporter B⁰AT1 (SLC6A19), a potential target to induce protein restriction and to treat type 2 diabetes. British Journal of Pharmacology, 2017, 174, 468-482.	2.7	48
21	Inhibition of citrate cotransporter Slc13a5/mINDY by RNAi improves hepatic insulin sensitivity and prevents diet-induced non-alcoholic fatty liver disease in mice. Molecular Metabolism, 2016, 5, 1072-1082.	3.0	47
22	DYRK1 is a co-activator of FKHR (FOXO1a)-dependent glucose-6-phosphatase gene expression. Biochemical and Biophysical Research Communications, 2003, 300, 764-769.	1.0	45
23	CB1 receptor antagonist AVE1625 affects primarily metabolic parameters independently of reduced food intake in Wistar rats. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E826-E832.	1.8	41
24	Biophysical Characterization of the Interaction between Hepatic Glucokinase and Its Regulatory Protein. Journal of Biological Chemistry, 2008, 283, 31333-31340.	1.6	41
25	The Keap1â€“Nrf2 proteinâ€“protein interaction: A suitable target for small molecules. Drug Discovery Today: Technologies, 2017, 24, 11-17.	4.0	40
26	Tumour necrosis factor Î± decreases glucose-6-phosphatase gene expression by activation of nuclear factor ÎºB. Biochemical Journal, 2004, 382, 471-479.	1.7	36
27	The role of glucose 6-phosphate in mediating the effects of glucokinase overexpression on hepatic glucose metabolism. FEBS Journal, 2006, 273, 336-346.	2.2	30
28	Identification of a cAMP response element within the glucose- 6-phosphatase hydrolytic subunit gene promoter which is involved in the transcriptional regulation by cAMP and glucocorticoids in H4IIE hepatoma cells. Biochemical Journal, 1999, 338, 457.	1.7	27
29	Identification and Synthesis of Novel Inhibitors of Acetyl-CoA Carboxylase with in Vitro and in Vivo Efficacy on Fat Oxidation. Journal of Medicinal Chemistry, 2010, 53, 8679-8687.	2.9	27
30	Selective inhibition of 12-lipoxygenase protects islets and beta cells from inflammatory cytokine-mediated beta cell dysfunction. Diabetologia, 2015, 58, 549-557.	2.9	27
31	Muscle-Type Specific Intramyocellular and Hepatic Lipid Metabolism During Starvation in Wistar Rats. Diabetes, 2004, 53, 528-534.	0.3	26
32	Dysregulated pyruvate dehydrogenase complex in Zucker diabetic fatty rats. American Journal of Physiology - Endocrinology and Metabolism, 2008, 294, E88-E96.	1.8	26
33	Thermodynamic Characterization of Allosteric Glycogen Phosphorylase Inhibitors. Biochemistry, 2008, 47, 4683-4691.	1.2	19
34	Phorbol ester-induced activation of mitogen-activated protein kinase/extracellular-signal-regulated kinase kinase and extracellular-signal-regulated protein kinase decreases glucose-6-phosphatase gene expression. Biochemical Journal, 2001, 357, 867-873.	1.7	17
35	Evidence for an indirect transcriptional regulation of glucose-6-phosphatase gene expression by liver X receptors. Biochemical and Biophysical Research Communications, 2005, 338, 981-986.	1.0	15
36	Differential expression of the subunits of the glucose-6-phosphatase system in the clear cell type of human renal cell carcinoma â€“ no evidence for an overexpression of protein kinase B. Cancer Letters, 2001, 167, 85-90.	3.2	14

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37	Intestinal Glucose-dependent Expression of Glucose-6-phosphatase. Journal of Biological Chemistry, 2005, 280, 20094-20101.	1.6	13
38	Phorbol ester-induced activation of mitogen-activated protein kinase/extracellular-signal-regulated kinase kinase and extracellular-signal-regulated protein kinase decreases glucose-6-phosphatase gene expression. Biochemical Journal, 2001, 357, 867.	1.7	12
39	Characterization of cis-elements mediating the stimulation of glucose-6-phosphate transporter promoter activity by glucocorticoids. Gene, 2003, 320, 59-66.	1.0	12
40	Regulation of the Forkhead Transcription Factor FKHR (FOXO1a) by Glucose Starvation and AICAR, an Activator of AMP-Activated Protein Kinase. , 0, .		12
41	Colocalization of fructose-1,6-bisphosphatase and glial fibrillary acidic protein in rat brain. Brain Research, 1995, 677, 341-344.	1.1	11
42	Pau dâ€™arco activates Nrf2-dependent gene expression via the MEK/ERK-pathway. Journal of Toxicological Sciences, 2014, 39, 353-361.	0.7	10
43	Glucose induces glucose 6-phosphatase hydrolytic subunit gene transcription in an insulinoma cell line (INS-1). FEBS Letters, 1999, 443, 53-56.	1.3	9
44	Chronic Activation of Hepatic Nrf2 Has No Major Effect on Fatty Acid and Glucose Metabolism in Adult Mice. PLoS ONE, 2016, 11, e0166110.	1.1	8
45	Basal level glucose-6-phosphatase gene transcription requires binding sites for Sp family proteins within the gene promoter. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1521, 126-129.	2.4	7
46	Construction And Characterization of a Conditionally Active Construct of The Insulin-Regulated Forkhead Transcription Factor FKHR. Experimental and Clinical Endocrinology and Diabetes, 2002, 110, 304-309.	0.6	6
47	Activation of Adenosine Monophosphateâ€”Activated Protein Kinase Reduces the Onset of Dietâ€Induced Hepatocellular Carcinoma in Mice. Hepatology Communications, 2020, 4, 1056-1072.	2.0	6
48	Effects of Short-Term Dietary Protein Restriction on Blood Amino Acid Levels in Young Men. Nutrients, 2020, 12, 2195.	1.7	5
49	AMPKÎ²1 and AMPKÎ²2 define an isoform-specific gene signature in human pluripotent stem cells, differentially mediating cardiac lineage specification. Journal of Biological Chemistry, 2020, 295, 17659-17671.	1.6	4
50	Cellular models for the analysis of signaling by protein kinase B and the forkhead transcription factor FKHR (Foxo1a). Regulatory Peptides, 2004, 121, 19-24.	1.9	3
51	INS-1 cells as a model for studying the role of pancreatic glucose-6-phosphatase in glucokinase dependent glucose-mediated insulin secretion. Biochemical Society Transactions, 1997, 25, 71S-71S.	1.6	1
52	Suppression of cAMP/dexamethasone induced glucose-6-phosphatase gene transcription by insulin. Biochemical Society Transactions, 1999, 27, A106-A106.	1.6	0
53	Chapter 10 Forkhead proteins and the regulation of hepatic gene expression. Advances in Molecular and Cellular Endocrinology, 2006, , 187-317.	0.1	0