

# Dieter Schmoll

## List of Publications by Citations

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53  
papers

2,524  
citations

26  
h-index

50  
g-index

54  
ext. papers

2,791  
ext. citations

5.7  
avg, IF

4.59  
L-index

#	Paper	IF	Citations
53	FoxO proteins in insulin action and metabolism. <i>Trends in Endocrinology and Metabolism</i> , <b>2005</b> , 16, 183-98.8		455
52	Novel concepts in insulin regulation of hepatic gluconeogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2003</b> , 285, E685-92	6	350
51	Regulation of glucose-6-phosphatase gene expression by protein kinase Balpha and the forkhead transcription factor FKHR. Evidence for insulin response unit-dependent and -independent effects of insulin on promoter activity. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 36324-33	5.4	266
50	Differential regulation of endogenous glucose-6-phosphatase and phosphoenolpyruvate carboxykinase gene expression by the forkhead transcription factor FKHR in H4IIE-hepatoma cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 285, 897-902	3.4	92
49	A liver stress-endocrine nexus promotes metabolic integrity during dietary protein dilution. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 3263-78	15.9	91
48	Increased expression and altered location of annexin IV in renal clear cell carcinoma: a possible role in tumour dissemination. <i>Cancer Letters</i> , <b>2004</b> , 209, 111-8	9.9	79
47	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. <i>Biochemical Journal</i> , <b>1999</b> , 338, 457-463	3.8	71
46	Regulation of the forkhead transcription factor FKHR (FOXO1a) by glucose starvation and AICAR, an activator of AMP-activated protein kinase. <i>Endocrinology</i> , <b>2002</b> , 143, 3183-6	4.8	66
45	Cloning and sequencing of the 5Wegion of the human glucose-6-phosphatase gene: transcriptional regulation by cAMP, insulin and glucocorticoids in H4IIE hepatoma cells. <i>FEBS Letters</i> , <b>1996</b> , 383, 63-6	3.8	64
44	Characterization of RA839, a Noncovalent Small Molecule Binder to Keap1 and Selective Activator of Nrf2 Signaling. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 28446-28455	5.4	62
43	Acyl ureas as human liver glycogen phosphorylase inhibitors for the treatment of type 2 diabetes. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 6178-93	8.3	59
42	Modulation of FoxO signaling in human hepatoma cells by exposure to copper or zinc ions. <i>Archives of Biochemistry and Biophysics</i> , <b>2006</b> , 454, 107-13	4.1	52
41	Significant amounts of glycogen are synthesized from 3-carbon compounds in astroglial primary cultures from mice with participation of the mitochondrial phosphoenolpyruvate carboxykinase isoenzyme. <i>FEBS Journal</i> , <b>1995</b> , 227, 308-15		51
40	Mice lacking neutral amino acid transporter B(0)AT1 (Slc6a19) have elevated levels of FGF21 and GLP-1 and improved glycaemic control. <i>Molecular Metabolism</i> , <b>2015</b> , 4, 406-17	8.8	50
39	Endoplasmic reticulum stress increases glucose-6-phosphatase and glucose cycling in liver cells. <i>Endocrinology</i> , <b>2006</b> , 147, 350-8	4.8	46
38	Incorporation of radioactivity from [14C]lactate into the glycogen of cultured mouse astroglial cells. Evidence for gluconeogenesis in brain cells. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1993</b> , 374, 343-7		46
37	Repletion of branched chain amino acids reverses mTORC1 signaling but not improved metabolism during dietary protein dilution. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 873-881	8.8	42

36	CB1 receptor antagonist AVE1625 affects primarily metabolic parameters independently of reduced food intake in Wistar rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 293, E826-32	6	39
35	Biophysical characterization of the interaction between hepatic glucokinase and its regulatory protein: impact of physiological and pharmacological effectors. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 31333-40	5.4	38
34	DYRK1 is a co-activator of FKHR (FOXO1a)-dependent glucose-6-phosphatase gene expression. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 300, 764-9	3.4	38
33	Molecular basis for the interaction of the mammalian amino acid transporters B0AT1 and B0AT3 with their ancillary protein collectrin. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 24308-25	5.4	35
32	Identification of novel inhibitors of the amino acid transporter B AT1 (SLC6A19), a potential target to induce protein restriction and to treat type 2 diabetes. <i>British Journal of Pharmacology</i> , <b>2017</b> , 174, 468-482	8.6	31
31	Tumour necrosis factor alpha decreases glucose-6-phosphatase gene expression by activation of nuclear factor kappaB. <i>Biochemical Journal</i> , <b>2004</b> , 382, 471-9	3.8	31
30	The role of glucose 6-phosphate in mediating the effects of glucokinase overexpression on hepatic glucose metabolism. <i>FEBS Journal</i> , <b>2006</b> , 273, 336-46	5.7	28
29	Restriction of essential amino acids dictates the systemic metabolic response to dietary protein dilution. <i>Nature Communications</i> , <b>2020</b> , 11, 2894	17.4	27
28	Identification and synthesis of novel inhibitors of acetyl-CoA carboxylase with in vitro and in vivo efficacy on fat oxidation. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 8679-87	8.3	27
27	The Keap1-Nrf2 protein-protein interaction: A suitable target for small molecules. <i>Drug Discovery Today: Technologies</i> , <b>2017</b> , 24, 11-17	7.1	25
26	Muscle-type specific intramyocellular and hepatic lipid metabolism during starvation in wistar rats. <i>Diabetes</i> , <b>2004</b> , 53, 528-34	0.9	24
25	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. <i>Biochemical Journal</i> , <b>1999</b> , 338, 457	3.8	23
24	Inhibition of citrate cotransporter Slc13a5/mINDY by RNAi improves hepatic insulin sensitivity and prevents diet-induced non-alcoholic fatty liver disease in mice. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 1072-1082	8.8	22
23	Selective inhibition of 12-lipoxygenase protects islets and beta cells from inflammatory cytokine-mediated beta cell dysfunction. <i>Diabetologia</i> , <b>2015</b> , 58, 549-57	10.3	21
22	Dysregulated pyruvate dehydrogenase complex in Zucker diabetic fatty rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 294, E88-96	6	20
21	Thermodynamic characterization of allosteric glycogen phosphorylase inhibitors. <i>Biochemistry</i> , <b>2008</b> , 47, 4683-91	3.2	18
20	Evidence for an indirect transcriptional regulation of glucose-6-phosphatase gene expression by liver X receptors. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 338, 981-6	3.4	15
19	Phorbol ester-induced activation of mitogen-activated protein kinase/extracellular-signal-regulated kinase and extracellular-signal-regulated protein kinase decreases glucose-6-phosphatase gene expression. <i>Biochemical Journal</i> , <b>2001</b> , 357, 867-873	3.8	15

18	Intestinal glucose-dependent expression of glucose-6-phosphatase: involvement of the aryl receptor nuclear translocator transcription factor. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 20094-101	5.4	13
17	Characterization of cis-elements mediating the stimulation of glucose-6-phosphate transporter promoter activity by glucocorticoids. <i>Gene</i> , <b>2003</b> , 320, 59-66	3.8	11
16	Differential expression of the subunits of the glucose-6-phosphatase system in the clear cell type of human renal cell carcinoma - no evidence for an overexpression of protein kinase B. <i>Cancer Letters</i> , <b>2001</b> , 167, 85-90	9.9	11
15	Colocalization of fructose-1,6-bisphosphatase and glial fibrillary acidic protein in rat brain. <i>Brain Research</i> , <b>1995</b> , 677, 341-4	3.7	11
14	Regulation of the Forkhead Transcription Factor FKHR (FOXO1a) by Glucose Starvation and AICAR, an Activator of AMP-Activated Protein Kinase		11
13	Pau d'Arco activates Nrf2-dependent gene expression via the MEK/ERK-pathway. <i>Journal of Toxicological Sciences</i> , <b>2014</b> , 39, 353-61	1.9	10
12	Phorbol ester-induced activation of mitogen-activated protein kinase/extracellular-signal-regulated kinase and extracellular-signal-regulated protein kinase decreases glucose-6-phosphatase gene expression. <i>Biochemical Journal</i> , <b>2001</b> , 357, 867-73	3.8	8
11	Glucose induces glucose 6-phosphatase hydrolytic subunit gene transcription in an insulinoma cell line (INS-1). <i>FEBS Letters</i> , <b>1999</b> , 443, 53-6	3.8	7
10	Construction and characterization of a conditionally active construct of the insulin-regulated forkhead transcription factor FKHR. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>2002</b> , 110, 304-9	2.3	5
9	Chronic Activation of Hepatic Nrf2 Has No Major Effect on Fatty Acid and Glucose Metabolism in Adult Mice. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166110	3.7	5
8	Activation of Adenosine Monophosphate-Activated Protein Kinase Reduces the Onset of Diet-Induced Hepatocellular Carcinoma in Mice. <i>Hepatology Communications</i> , <b>2020</b> , 4, 1056-1072	6	3
7	Cellular models for the analysis of signaling by protein kinase B and the forkhead transcription factor FKHR (Foxo1a). <i>Regulatory Peptides</i> , <b>2004</b> , 121, 19-24		3
6	Basal level glucose-6-phosphatase gene transcription requires binding sites for Sp family proteins within the gene promoter. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>2001</b> , 1521, 126-9		3
5	AMPK $\alpha$ and AMPK $\beta$ define an isoform-specific gene signature in human pluripotent stem cells, differentially mediating cardiac lineage specification. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 17659-17671	5.4	2
4	INS-1 cells as a model for studying the role of pancreatic glucose-6-phosphatase in glucokinase dependent glucose-mediated insulin secretion. <i>Biochemical Society Transactions</i> , <b>1997</b> , 25, 71S	5.1	1
3	Effects of Short-Term Dietary Protein Restriction on Blood Amino Acid Levels in Young Men. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	1
2	Chapter 10 Forkhead proteins and the regulation of hepatic gene expression. <i>Advances in Molecular and Cellular Endocrinology</i> , <b>2006</b> , 187-317		
1	Suppression of cAMP/dexamethasone induced glucose-6-phosphatase gene transcription by insulin. <i>Biochemical Society Transactions</i> , <b>1999</b> , 27, A106-A106	5.1	

