Claude Forest

List of Publications by Year
in descending order

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60 papers	3,031 citations	201674 27 h-index	161849 54 g-index
77 all docs	77 docs citations	77 times ranked	3738 citing authors

#	Article	IF	Citations
1	Fatty Acid Regulation of Gene Transcription. Journal of Biological Chemistry, 2000, 275, 30749-30752.	3.4	314
2	The HIV Protease Inhibitor Indinavir Impairs Sterol Regulatory Element-Binding Protein-1 Intranuclear Localization, Inhibits Preadipocyte Differentiation, and Induces Insulin Resistance. Diabetes, 2001, 50, 1378-1388.	0.6	307
3	PCK1 and PCK2 as candidate diabetes and obesity genes. Cell Biochemistry and Biophysics, 2007, 48, 89-95.	1.8	187
4	Is there a single mechanism for fatty acid regulation of gene transcription?. Biochemical Pharmacology, 2002, 64, 893-901.	4.4	165
5	Thiazolidinediones Block Fatty Acid Release by Inducing Glyceroneogenesis in Fat Cells. Journal of Biological Chemistry, 2003, 278, 18785-18790.	3.4	159
6	Inflammatory Pathway Genes Belong to Major Targets of Persistent Organic Pollutants in Adipose Cells. Environmental Health Perspectives, 2012, 120, 508-514.	6.0	140
7	Expression of macrophage-selective markers in human and rodent adipocytes. FEBS Letters, 2005, 579, 5631-5634.	2.8	135
8	Disregulated glyceroneogenesis: PCK1 as a candidate diabetes and obesity gene. Trends in Endocrinology and Metabolism, 2004, 15, 129-135.	7.1	113
9	Butyrate elicits a metabolic switch in human colon cancer cells by targeting the pyruvate dehydrogenase complex. International Journal of Cancer, 2011, 128, 2591-2601.	5.1	105
10	Pyruvate Dehydrogenase Kinase 4: Regulation by Thiazolidinediones and Implication in Glyceroneogenesis in Adipose Tissue. Diabetes, 2008, 57, 2272-2279.	0.6	94
11	Up-regulation of the expression of the gene for liver fatty acid-binding protein by long-chain fatty acids. Biochemical Journal, 1996, 319, 483-487.	3.7	74
12	A single element in the phosphoenolpyruvate carboxykinase gene mediates thiazolidinedione action specifically in adipocytes. Biochimie, 2001, 83, 933-943.	2.6	69
13	A preadipocyte clonal line from mouse brown adipose tissue. Experimental Cell Research, 1987, 168, 218-232.	2.6	62
14	Glyceroneogenesis comes of age. FASEB Journal, 2002, 16, 1695-1696.	0.5	59
15	Combined Transcriptomicâ€“¹H NMR Metabonomic Study Reveals That Monoethylhexyl Phthalate Stimulates Adipogenesis and Glyceroneogenesis in Human Adipocytes. Journal of Proteome Research, 2011, 10, 5493-5502.	3.7	57
16	Peroxisome proliferator activated receptor-Î³, leptin and tumor necrosis factor-Î± mRNA expression during very low calorie diet in subcutaneous adipose tissue in obese women. Diabetes/Metabolism Research and Reviews, 1999, 15, 92-98.	4.0	53
17	Rosiglitazone Controls Fatty Acid Cycling in Human Adipose Tissue by Means of Glyceroneogenesis and Glycerol Phosphorylation. Journal of Biological Chemistry, 2006, 281, 13141-13149.	3.4	50
18	Fatty Acids and Fibrates are Potent Inducers of Transcription of the Phosphenol pyruvate Carboxykinase Gene in Adipocytes. FEBS Journal, 1995, 234, 390-396.	0.2	49

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19	Peroxisome Proliferator-activated Receptor-Î³ Down-regulates Chondrocyte Matrix Metalloproteinase-1 via a Novel Composite Element. Journal of Biological Chemistry, 2004, 279, 28411-28418.	3.4	46
20	Proposed involvement of adipocyte glyceroneogenesis and phosphoenolpyruvate carboxykinase in the metabolic syndrome. Biochimie, 2005, 87, 27-32.	2.6	45
21	Regulation of glyceroneogenesis and phosphoenolpyruvate carboxykinase by fatty acids, retinoic acids and thiazolidinediones: potential relevance to type 2Âdiabetes. Biochimie, 2003, 85, 1213-1218.	2.6	44
22	Expression of the mitochondrial uncoupling protein in brown adipocytes. Experimental Cell Research, 1987, 168, 233-246.	2.6	38
23	Inhibition of hormone-sensitive lipase gene expression by cAMP and phorbol esters in 3T3-F442A and BFC-1 adipocytes. Biochemical Journal, 1996, 318, 1057-1063.	3.7	38
24	Peroxisome Proliferator-activated Receptor Î³ and Chicken Ovalbumin Upstream Promoter Transcription Factor II Negatively Regulate the Phosphoenolpyruvate Carboxykinase Promoter via a Common Element*. Journal of Biological Chemistry, 2001, 276, 30561-30569.	3.4	36
25	Dimethyl-Benz(a)anthracene: A mammary carcinogen and a neuroendocrine disruptor. Biochimie Open, 2016, 3, 49-55.	3.2	33
26	Mechanism of adenovirus improvement of cationic liposome-mediated gene transfer. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1330, 8-16.	2.6	32
27	Regulation of cytosolic phosphoenolpyruvate carboxykinase gene expression in adipocytes. Biochimie, 2003, 85, 1207-1211.	2.6	29
28	Glucocorticoids repress induction by thiazolidinediones, fibrates, and fatty acids of phosphoenolpyruvate carboxykinase gene expression in adipocytes. , 1998, 68, 298-308.		26
29	Citrulline induces fatty acid release selectively in visceral adipose tissue from old rats. Molecular Nutrition and Food Research, 2014, 58, 1765-1775.	3.3	25
30	Differentiation-dependent expression of interferon gamma and toll-like receptor 9 in 3T3-F442A adipocytes. Biochimie, 2007, 89, 669-675.	2.6	24
31	EGF inhibits glucagon stimulation of amino acid transport in primary cultures of adult rat hepatocytes. FEBS Letters, 1981, 127, 109-111.	2.8	22
32	Expression of phosphoenolpyruvate carboxykinase gene in human adipose tissue: induction by rosiglitazone and genetic analyses of the adipocyte-specific region of the promoter in type 2Âdiabetes. Biochimie, 2003, 85, 1257-1264.	2.6	22
33	Efficient Transfer of Regulated Genes in Adipocytes and Hepatoma Cells by the Combination of Liposomes and Replication-Deficient Adenovirus. FEBS Journal, 1996, 237, 660-667.	0.2	21
34	Nucleotide sequence of a cDNA encoding bovine brown fat uncoupling protein. Homology with ADP binding site of ADP/ATP carrier. Nucleic Acids Research, 1989, 17, 2131-2131.	14.5	20
35	Leptin Induces Nitric Oxide-Mediated Inhibition of Lipolysis and Glyceroneogenesis in Rat White Adipose Tissue. Journal of Nutrition, 2011, 141, 4-9.	2.9	20
36	Rapid Nitration of Adipocyte Phosphoenolpyruvate Carboxykinase by Leptin Reduces Glyceroneogenesis and Induces Fatty Acid Release. PLoS ONE, 2012, 7, e40650.	2.5	20

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37	Evidence for selective induction of phosphoenolpyruvate carboxykinase gene expression by unsaturated and nonmetabolized fatty acids in adipocytes. Journal of Cellular Biochemistry, 2002, 85, 651-661.	2.6	19
38	Is there NO help for leptin?. Biochimie, 2012, 94, 2104-2110.	2.6	18
39	Acute induction of uncoupling protein 1 by citrulline in cultured explants of white adipose tissue from lean and high-fat-diet-fed rats. Adipocyte, 2015, 4, 129-134.	2.8	18
40	Release and toxicity of adipose tissue-stored TCDD: Direct evidence from a xenografted fat model. Environment International, 2018, 121, 1113-1120.	10.0	18
41	Cytosolic Aspartate Aminotransferase, a New Partner in Adipocyte Glyceroneogenesis and an Atypical Target of Thiazolidinedione. Journal of Biological Chemistry, 2007, 282, 23591-23602.	3.4	17
42	Development of lipolytic response to isoproterenol during adipose conversion of OB17 preadipocyte cells. Biochemical and Biophysical Research Communications, 1981, 102, 577-587.	2.1	16
43	Acute and Selective Inhibition of Adipocyte Glyceroneogenesis and Cytosolic Phosphoenolpyruvate Carboxykinase by Interferon Î³. Endocrinology, 2007, 148, 4007-4014.	2.8	16
44	Citrulline reduces glyceroneogenesis and induces fatty acid release in visceral adipose tissue from overweight rats. Molecular Nutrition and Food Research, 2014, 58, 2320-2330.	3.3	16
45	What induces watts in WAT?. Adipocyte, 2016, 5, 136-152.	2.8	16
46	The Adipocyte: Relationships between Proliferation and Adipose Cell Differentiation. The American Review of Respiratory Disease, 1990, 142, S57-S59.	2.9	15
47	Isolation and characterization of the mouse cytosolic phosphoenolpyruvate carboxykinase (GTP) gene: evidence for tissue-specific hypersensitive sites. Molecular and Cellular Endocrinology, 1999, 148, 67-77.	3.2	13
48	Glyceroneogenesis in adipocytes: another textbook case. Trends in Biochemical Sciences, 2003, 28, 402-403.	7.5	13
49	Retinoids Upregulate Phosphoenolpyruvate Carboxykinase and Glyceroneogenesis in Human and Rodent Adipocytes. Journal of Nutrition, 2008, 138, 1004-1009.	2.9	12
50	Glucocorticoids use a positive liver element to repress fibrate-induced adipose transcription of the phosphoenolpyruvate carboxykinase gene. Molecular and Cellular Endocrinology, 1997, 127, 171-177.	3.2	11
51	Transcriptional and posttranscriptional mechanisms of glucocorticoid-mediated repression of phosphoenolpyruvate carboxykinase gene expression in adipocytes. Journal of Cellular Biochemistry, 1997, 66, 386-393.	2.6	11
52	Down-regulation of the phosphoenolpyruvate carboxykinase gene in human colon tumors and induction by omega-3 fatty acids. Biochimie, 2010, 92, 1772-1777.	2.6	10
53	Citrulline counteracts overweight- and aging-related effects on adiponectin and leptin gene expression in rat white adipose tissue. Biochimie Open, 2015, 1, 1-5.	3.2	10
54	Identification of an Adipocyte-Specific Negative Glucose Response Region in the Cytosolic Aspartate Aminotransferase Gene**This work was supported by Centre National de la Recherche Scientifique, Institut National de la Santeì•et de la Recherche Meìdicale, and the Universiteì•Paris-Val de Marne.. Endocrinology, 1998, 139, 4936-4944.	2.8	9

#	Article	IF	Citations
55	Cytosolic aspartate aminotransferase gene is a member of the glucose-regulated protein gene family in adipocytes. Biochemical Journal, 1998, 329, 37-40.	3.7	9
56	Leptin and insulin induce mutual resistance for nitric oxide synthase III activation in adipocytes. Journal of Cellular Biochemistry, 2009, 108, 982-988.	2.6	5
57	Lipids in all their states. Biochimie, 2012, 94, 1.	2.6	3
58	Lipids in metabolic diseases. Biochimie, 2014, 96, 1-2.	2.6	3
59	New developments in nutrition and diabetes: glyceroneogenesis comes of age. Biochimie, 2003, 85, 1195-1197.	2.6	2
60	Regulation of the aspartate and alanine aminotransferases in humans and rodents. , 2000, , 29-34.		0