

# Dominique Langin

## List of Publications by Citations

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218  
papers

13,993  
citations

61  
h-index

110  
g-index

227  
ext. papers

15,604  
ext. citations

7.6  
avg, IF

6.23  
L-index

#	Paper	IF	Citations
218	Reduction of macrophage infiltration and chemoattractant gene expression changes in white adipose tissue of morbidly obese subjects after surgery-induced weight loss. <i>Diabetes</i> , <b>2005</b> , 54, 2277-86	0.9	870
217	Transcriptional control of brown fat determination by PRDM16. <i>Cell Metabolism</i> , <b>2007</b> , 6, 38-54	24.6	827
216	Lipolysis and lipid mobilization in human adipose tissue. <i>Progress in Lipid Research</i> , <b>2009</b> , 48, 275-97	14.3	510
215	Weight loss regulates inflammation-related genes in white adipose tissue of obese subjects. <i>FASEB Journal</i> , <b>2004</b> , 18, 1657-69	0.9	506
214	Acquirement of brown fat cell features by human white adipocytes. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 33370-6	5.4	349
213	Liver PPAR $\alpha$ s crucial for whole-body fatty acid homeostasis and is protective against NAFLD. <i>Gut</i> , <b>2016</b> , 65, 1202-14	19.2	327
212	Adipose tissue transcriptomic signature highlights the pathological relevance of extracellular matrix in human obesity. <i>Genome Biology</i> , <b>2008</b> , 9, R14	18.3	300
211	Adipocyte lipases and defect of lipolysis in human obesity. <i>Diabetes</i> , <b>2005</b> , 54, 3190-7	0.9	293
210	Adipose tissue lipolysis as a metabolic pathway to define pharmacological strategies against obesity and the metabolic syndrome. <i>Pharmacological Research</i> , <b>2006</b> , 53, 482-91	10.2	252
209	Adipocyte lipolysis and insulin resistance. <i>Biochimie</i> , <b>2016</b> , 125, 259-66	4.6	220
208	Adipose triglyceride lipase and hormone-sensitive lipase protein expression is decreased in the obese insulin-resistant state. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 2292-9	5.6	193
207	Coexistence of three beta-adrenoceptor subtypes in white fat cells of various mammalian species. <i>European Journal of Pharmacology</i> , <b>1991</b> , 199, 291-301	5.3	164
206	Contribution of adipose triglyceride lipase and hormone-sensitive lipase to lipolysis in hMADS adipocytes. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 18282-91	5.4	157
205	Decreased expression and function of adipocyte hormone-sensitive lipase in subcutaneous fat cells of obese subjects. <i>Journal of Lipid Research</i> , <b>1999</b> , 40, 2059-2065	6.3	153
204	Effect of aerobic training on plasma levels and subcutaneous abdominal adipose tissue gene expression of adiponectin, leptin, interleukin 6, and tumor necrosis factor alpha in obese women. <i>Metabolism: Clinical and Experimental</i> , <b>2006</b> , 55, 1375-81	12.7	150
203	Lipolysis in lipid turnover, cancer cachexia, and obesity-induced insulin resistance. <i>Trends in Endocrinology and Metabolism</i> , <b>2014</b> , 25, 255-62	8.8	146
202	Beta3-adrenoceptors in the cardiovascular system. <i>Trends in Pharmacological Sciences</i> , <b>2000</b> , 21, 426-31	13.2	145

201	Partial inhibition of adipose tissue lipolysis improves glucose metabolism and insulin sensitivity without alteration of fat mass. <i>PLoS Biology</i> , <b>2013</b> , 11, e1001485	9.7	143
200	Macrophages and adipocytes in human obesity: adipose tissue gene expression and insulin sensitivity during calorie restriction and weight stabilization. <i>Diabetes</i> , <b>2009</b> , 58, 1558-67	0.9	142
199	Adipocyte hormone-sensitive lipase: a major regulator of lipid metabolism. <i>Proceedings of the Nutrition Society</i> , <b>1996</b> , 55, 93-109	2.9	135
198	Irf5 deficiency in macrophages promotes beneficial adipose tissue expansion and insulin sensitivity during obesity. <i>Nature Medicine</i> , <b>2015</b> , 21, 610-8	50.5	130
197	Natriuretic peptides enhance the oxidative capacity of human skeletal muscle. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 4675-9	15.9	127
196	In vivo regulation of human skeletal muscle gene expression by thyroid hormone. <i>Genome Research</i> , <b>2002</b> , 12, 281-91	9.7	124
195	CXC ligand 5 is an adipose-tissue derived factor that links obesity to insulin resistance. <i>Cell Metabolism</i> , <b>2009</b> , 9, 339-49	24.6	119
194	Cathepsin S, a novel biomarker of adiposity: relevance to atherogenesis. <i>FASEB Journal</i> , <b>2005</b> , 19, 1540-20.9	20.9	119
193	Pretreatment fasting plasma glucose and insulin modify dietary weight loss success: results from 3 randomized clinical trials. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 106, 499-505	7	114
192	Cdk4 promotes adipogenesis through PPARgamma activation. <i>Cell Metabolism</i> , <b>2005</b> , 2, 239-49	24.6	114
191	Influence of gender, obesity, and muscle lipase activity on intramyocellular lipids in sedentary individuals. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 3440-7	5.6	112
190	NF-kappaB is important for TNF-alpha-induced lipolysis in human adipocytes. <i>Journal of Lipid Research</i> , <b>2007</b> , 48, 1069-77	6.3	112
189	Effects of different hypocaloric diets on protein secretion from adipose tissue of obese women. <i>Diabetes</i> , <b>2004</b> , 53, 1966-71	0.9	112
188	The case for strategic international alliances to harness nutritional genomics for public and personal health. <i>British Journal of Nutrition</i> , <b>2005</b> , 94, 623-32	3.6	112
187	WISP2 regulates preadipocyte commitment and PPARalpha activation by BMP4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 2563-8	11.5	108
186	Comparative studies of the role of hormone-sensitive lipase and adipose triglyceride lipase in human fat cell lipolysis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E1847-55	6	103
185	Importance of TNFalpha and neutral lipases in human adipose tissue lipolysis. <i>Trends in Endocrinology and Metabolism</i> , <b>2006</b> , 17, 314-20	8.8	102
184	Conversion from white to brown adipocytes: a strategy for the control of fat mass?. <i>Trends in Endocrinology and Metabolism</i> , <b>2003</b> , 14, 439-41	8.8	100

183	Enhanced expression of $\beta$ -adrenoceptors in cardiac myocytes attenuates neurohormone-induced hypertrophic remodeling through nitric oxide synthase. <i>Circulation</i> , <b>2014</b> , 129, 451-62	16.7	98
182	[ <sup>3</sup> H]idazoxan binding at non-alpha 2-adrenoceptors in rabbit adipocyte membranes. <i>European Journal of Pharmacology</i> , <b>1989</b> , 159, 199-203	5.3	98
181	Altered skeletal muscle lipase expression and activity contribute to insulin resistance in humans. <i>Diabetes</i> , <b>2011</b> , 60, 1734-42	0.9	94
180	Immune cell Toll-like receptor 4 mediates the development of obesity- and endotoxemia-associated adipose tissue fibrosis. <i>Cell Reports</i> , <b>2014</b> , 7, 1116-29	10.6	90
179	White-to-brite conversion in human adipocytes promotes metabolic reprogramming towards fatty acid anabolic and catabolic pathways. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 352-365	8.8	87
178	Triiodothyronine-mediated up-regulation of UCP2 and UCP3 mRNA expression in human skeletal muscle without coordinated induction of mitochondrial respiratory chain genes. <i>FASEB Journal</i> , <b>2001</b> , 15, 13-15	0.9	87
177	Worsening of obesity and metabolic status yields similar molecular adaptations in human subcutaneous and visceral adipose tissue: decreased metabolism and increased immune response. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, E73-82	5.6	82
176	Plasma levels and adipose tissue messenger ribonucleic acid expression of retinol-binding protein 4 are reduced during calorie restriction in obese subjects but are not related to diet-induced changes in insulin sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 2330-5	5.6	82
175	Molecular cloning, genomic organization, and expression of a testicular isoform of hormone-sensitive lipase. <i>Genomics</i> , <b>1996</b> , 35, 441-7	4.3	80
174	Peroxisome proliferator-activated receptor-alpha control of lipid and glucose metabolism in human white adipocytes. <i>Endocrinology</i> , <b>2010</b> , 151, 123-33	4.8	79
173	Adiponutrin: A new gene regulated by energy balance in human adipose tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 2684-9	5.6	79
172	Regulation of human adipocyte gene expression by thyroid hormone. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2002</b> , 87, 630-4	5.6	79
171	Adipose tissue lipolysis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2010</b> , 13, 377-81	3.8	78
170	Comparison of hormone-sensitive lipase activity in visceral and subcutaneous human adipose tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1997</b> , 82, 4162-6	5.6	78
169	[ <sup>3</sup> H]RX821002: a new tool for the identification of alpha 2A-adrenoceptors. <i>European Journal of Pharmacology</i> , <b>1989</b> , 167, 95-104	5.3	77
168	Selective release of human adipocyte fatty acids according to molecular structure. <i>Biochemical Journal</i> , <b>1997</b> , 324 ( Pt 3), 911-5	3.8	76
167	A role for adipocyte-derived lipopolysaccharide-binding protein in inflammation- and obesity-associated adipose tissue dysfunction. <i>Diabetologia</i> , <b>2013</b> , 56, 2524-37	10.3	75
166	Hormone-sensitive lipase expression and activity in relation to lipolysis in human fat cells. <i>Journal of Lipid Research</i> , <b>1998</b> , 39, 1688-1695	6.3	74

165	Recruitment of brown fat and conversion of white into brown adipocytes: strategies to fight the metabolic complications of obesity?. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2010</b> , 1801, 372-6	5	73
164	Effects of TCF7L2 polymorphisms on obesity in European populations. <i>Obesity</i> , <b>2008</b> , 16, 476-82	8	72
163	Exon-intron organization and chromosomal localization of the mouse monoglyceride lipase gene. <i>Gene</i> , <b>2001</b> , 272, 11-8	3.8	72
162	Effects of weight reduction on the regulation of lipolysis in adipocytes of women with upper-body obesity. <i>Clinical Science</i> , <b>1995</b> , 89, 421-9	6.5	71
161	The transcriptional coactivator peroxisome proliferator activated receptor (PPAR)gamma coactivator-1 alpha and the nuclear receptor PPAR alpha control the expression of glycerol kinase and metabolism genes independently of PPAR gamma activation in human white adipocytes. <i>Diabetes</i> , <b>2007</b> , 56, 2467-75	0.9	70
160	Transcriptional regulation of adipocyte hormone-sensitive lipase by glucose. <i>Diabetes</i> , <b>2002</b> , 51, 293-300.	0.9	66
159	Contribution of energy restriction and macronutrient composition to changes in adipose tissue gene expression during dietary weight-loss programs in obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 4315-22	5.6	64
158	High-fat diet-mediated lipotoxicity and insulin resistance is related to impaired lipase expression in mouse skeletal muscle. <i>Endocrinology</i> , <b>2013</b> , 154, 1444-53	4.8	63
157	Adiponectin gene expression and plasma values in obese women during very-low-calorie diet. Relationship with cardiovascular risk factors and insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 756-60	5.6	60
156	Liver X receptor (LXR) regulates human adipocyte lipolysis. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 370-9	5.4	58
155	Endurance exercise training up-regulates lipolytic proteins and reduces triglyceride content in skeletal muscle of obese subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 4863-71	5.6	57
154	The $\beta$ -fatty acid, arachidonic acid, regulates the conversion of white to brite adipocyte through a prostaglandin/calcium mediated pathway. <i>Molecular Metabolism</i> , <b>2014</b> , 3, 834-47	8.8	57
153	Lipolytic effects of conventional beta 3-adrenoceptor agonists and of CGP 12,177 in rat and human fat cells: preliminary pharmacological evidence for a putative beta 4-adrenoceptor. <i>British Journal of Pharmacology</i> , <b>1997</b> , 122, 1244-50	8.6	57
152	beta3-Adrenergic stimulation produces a decrease of cardiac contractility ex vivo in mice overexpressing the human beta3-adrenergic receptor. <i>Cardiovascular Research</i> , <b>2003</b> , 59, 288-96	9.9	57
151	High expression of monoamine oxidases in human white adipose tissue: evidence for their involvement in noradrenaline clearance. <i>Biochemical Pharmacology</i> , <b>1999</b> , 58, 1735-42	6	57
150	Defective Natriuretic Peptide Receptor Signaling in Skeletal Muscle Links Obesity to Type 2 Diabetes. <i>Diabetes</i> , <b>2015</b> , 64, 4033-45	0.9	56
149	Adaptive changes of the Insig1/SREBP1/SCD1 set point help adipose tissue to cope with increased storage demands of obesity. <i>Diabetes</i> , <b>2013</b> , 62, 3697-708	0.9	56
148	Adiponectin gene expression in subcutaneous adipose tissue of obese women in response to short-term very low calorie diet and refeeding. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 5881-6	5.6	56

147	Ablation of TRIP-Br2, a regulator of fat lipolysis, thermogenesis and oxidative metabolism, prevents diet-induced obesity and insulin resistance. <i>Nature Medicine</i> , <b>2013</b> , 19, 217-26	50.5	54
146	Fat oxidation before and after a high fat load in the obese insulin-resistant state. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2006</b> , 91, 1462-9	5.6	54
145	Control of fatty acid and glycerol release in adipose tissue lipolysis. <i>Comptes Rendus - Biologies</i> , <b>2006</b> , 329, 598-607; discussion 653-5	1.4	54
144	Adipose tissue transcriptome reflects variations between subjects with continued weight loss and subjects regaining weight 6 mo after caloric restriction independent of energy intake. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 92, 975-84	7	52
143	Perilipin 5 fine-tunes lipid oxidation to metabolic demand and protects against lipotoxicity in skeletal muscle. <i>Scientific Reports</i> , <b>2016</b> , 6, 38310	4.9	52
142	Dynamics of skeletal muscle lipid pools. <i>Trends in Endocrinology and Metabolism</i> , <b>2013</b> , 24, 607-15	8.8	51
141	Adipose tissue lipoprotein lipase and hormone-sensitive lipase. Contrasting findings in familial combined hyperlipidemia and insulin resistance syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1997</b> , 17, 2287-92	9.4	51
140	Hormone-sensitive lipase is a cholesterol esterase of the intestinal mucosa. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 6510-5	5.4	51
139	Genetic polymorphisms and weight loss in obesity: a randomised trial of hypo-energetic high-versus low-fat diets. <i>PLOS Clinical Trials</i> , <b>2006</b> , 1, e12		50
138	Evidence for an important role of CIDEA in human cancer cachexia. <i>Cancer Research</i> , <b>2008</b> , 68, 9247-54	10.1	49
137	TCF7L2 rs7903146-macronutrient interaction in obese individuals Responses to a 10-wk randomized hypoenergetic diet. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 91, 472-9	7	48
136	A distinct adipose tissue gene expression response to caloric restriction predicts 6-mo weight maintenance in obese subjects. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 94, 1399-409	7	48
135	Regulation of adipose tissue lipolysis revisited. <i>Proceedings of the Nutrition Society</i> , <b>2009</b> , 68, 350-60	2.9	48
134	In vivo epinephrine-mediated regulation of gene expression in human skeletal muscle. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 2000-14	5.6	48
133	Increase in uncoupling protein-2 mRNA expression by BRL49653 and bromopalmitate in human adipocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 256, 138-41	3.4	48
132	Fatty acid specificity of hormone-sensitive lipase: implication in the selective hydrolysis of triacylglycerols. <i>Journal of Lipid Research</i> , <b>2001</b> , 42, 2049-2057	6.3	48
131	Adipose tissue lipolysis and hormone-sensitive lipase expression during very-low-calorie diet in obese female identical twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1997</b> , 82, 739-44	5.6	46
130	Regulation of hormone-sensitive lipase activity in adipose tissue. <i>Methods in Enzymology</i> , <b>1997</b> , 286, 45-67		46

129	Understanding adipose tissue development from transgenic animal models. <i>Journal of Lipid Research</i> , <b>2002</b> , 43, 835-860	6.3	46
128	Species-specific alternative splicing generates a catalytically inactive form of human hormone-sensitive lipase. <i>Biochemical Journal</i> , <b>1997</b> , 328 ( Pt 1), 137-43	3.8	44
127	Control of adipogenesis by oxylipins, GPCRs and PPARs. <i>Biochimie</i> , <b>2017</b> , 136, 3-11	4.6	43
126	Secretory products of guinea pig epicardial fat induce insulin resistance and impair primary adult rat cardiomyocyte function. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 2399-410	5.6	43
125	The role of neutral lipases in human adipose tissue lipolysis. <i>Current Opinion in Lipidology</i> , <b>2007</b> , 18, 246-50	4	43
124	Understanding adipose tissue development from transgenic animal models. <i>Journal of Lipid Research</i> , <b>2002</b> , 43, 835-60	6.3	43
123	Obesity-related polymorphisms and their associations with the ability to regulate fat oxidation in obese Europeans: the NUGENOB study. <i>Obesity</i> , <b>2010</b> , 18, 1369-77	8	42
122	Adipose gene expression prior to weight loss can differentiate and weakly predict dietary responders. <i>PLoS ONE</i> , <b>2007</b> , 2, e1344	3.7	42
121	Uncoupling protein-2 messenger ribonucleic acid expression during very-low-calorie diet in obese premenopausal women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1998</b> , 83, 2450-3	5.6	42
120	Determinants of human adipose tissue gene expression: impact of diet, sex, metabolic status, and cis genetic regulation. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002959	6	41
119	The effects of increasing serum calcitriol on energy and fat metabolism and gene expression. <i>Obesity</i> , <b>2006</b> , 14, 1739-46	8	41
118	Caloric Restriction and Diet-Induced Weight Loss Do Not Induce Browning of Human Subcutaneous White Adipose Tissue in Women and Men with Obesity. <i>Cell Reports</i> , <b>2018</b> , 22, 1079-1089	10.6	40
117	miR-125b affects mitochondrial biogenesis and impairs brite adipocyte formation and function. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 615-625	8.8	40
116	Lipoic acid treatment increases mitochondrial biogenesis and promotes beige adipose features in subcutaneous adipocytes from overweight/obese subjects. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2015</b> , 1851, 273-81	5	40
115	Cyclin G2 regulates adipogenesis through PPAR gamma coactivation. <i>Endocrinology</i> , <b>2010</b> , 151, 5247-54	4.8	40
114	Characterization of the promoter of human adipocyte hormone-sensitive lipase. <i>Biochemical Journal</i> , <b>1997</b> , 328 ( Pt 2), 453-61	3.8	40
113	Mitochondrial fission is associated with UCP1 activity in human brite/beige adipocytes. <i>Molecular Metabolism</i> , <b>2018</b> , 7, 35-44	8.8	40
112	In vitro brown and "brite"/"beige" adipogenesis: human cellular models and molecular aspects. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2013</b> , 1831, 905-14	5	38

111	Regulation of skeletal muscle lipolysis and oxidative metabolism by the co-lipase CGI-58. <i>Journal of Lipid Research</i> , <b>2012</b> , 53, 839-848	6.3	38
110	Genotype-by-nutrient interactions assessed in European obese women. A case-only study. <i>European Journal of Nutrition</i> , <b>2006</b> , 45, 454-62	5.2	38
109	Weight loss improves the adipogenic capacity of human preadipocytes and modulates their secretory profile. <i>Diabetes</i> , <b>2013</b> , 62, 1990-5	0.9	37
108	Effect of thyroid hormone on gene expression. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2003</b> , 6, 377-81	3.8	37
107	Effects of 3 diets with various calcium contents on 24-h energy expenditure, fat oxidation, and adipose tissue message RNA expression of lipid metabolism-related proteins. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 82, 1244-52	7	37
106	Inhibition of hormone-sensitive lipase gene expression by cAMP and phorbol esters in 3T3-F442A and BFC-1 adipocytes. <i>Biochemical Journal</i> , <b>1996</b> , 318 ( Pt 3), 1057-63	3.8	37
105	Growth and differentiation factor 15 is secreted by skeletal muscle during exercise and promotes lipolysis in humans. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	37
104	Transcriptome profiling from adipose tissue during a low-calorie diet reveals predictors of weight and glycemic outcomes in obese, nondiabetic subjects. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 106, 736-746	7	36
103	Protein quantitative trait locus study in obesity during weight-loss identifies a leptin regulator. <i>Nature Communications</i> , <b>2017</b> , 8, 2084	17.4	36
102	Chronic TNFalpha and cAMP pre-treatment of human adipocytes alter HSL, ATGL and perilipin to regulate basal and stimulated lipolysis. <i>FEBS Letters</i> , <b>2009</b> , 583, 3045-9	3.8	36
101	Regiocontrolled syntheses of FAHFAs and LC-MS/MS differentiation of regioisomers. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 9012-20	3.9	35
100	A "futile cycle" induced by thiazolidinediones in human adipose tissue?. <i>Nature Medicine</i> , <b>2003</b> , 9, 811-2; author reply 812	50.5	35
99	Lipid and glucose metabolism in white adipocytes: pathways, dysfunction and therapeutics. <i>Nature Reviews Endocrinology</i> , <b>2021</b> , 17, 276-295	15.2	35
98	Diabetes, insulin secretion, and the pancreatic beta-cell mitochondrion. <i>New England Journal of Medicine</i> , <b>2001</b> , 345, 1772-4	59.2	33
97	Analyses of single nucleotide polymorphisms in selected nutrient-sensitive genes in weight-regain prevention: the DIOGENES study. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 95, 1254-60	7	32
96	In and out: adipose tissue lipid turnover in obesity and dyslipidemia. <i>Cell Metabolism</i> , <b>2011</b> , 14, 569-70	24.6	31
95	Regulation of hormone-sensitive lipase expression by glucose in 3T3-F442A adipocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 245, 510-3	3.4	31
94	Let-7i-5p represses brite adipocyte function in mice and humans. <i>Scientific Reports</i> , <b>2016</b> , 6, 28613	4.9	30



93	Expression of human hormone-sensitive lipase in white adipose tissue of transgenic mice increases lipase activity but does not enhance in vitro lipolysis. <i>Journal of Lipid Research</i> , <b>2003</b> , 44, 154-63	6.3	30
92	Norepinephrine induces lipolysis in beta1/beta2/beta3-adrenoceptor knockout mice. <i>Molecular Pharmacology</i> , <b>2005</b> , 68, 793-9	4.3	30
91	Characterization of a novel testicular form of human hormone-sensitive lipase. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 291, 286-90	3.4	30
90	Testis expression of hormone-sensitive lipase is conferred by a specific promoter that contains four regions binding testicular nuclear proteins. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 9327-34	5.4	30
89	Enhanced glucose metabolism is preserved in cultured primary myotubes from obese donors in response to exercise training. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 3739-47	5.6	29
88	A novel hormone-sensitive lipase isoform expressed in pancreatic beta-cells. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 3828-36	5.4	29
87	Messenger RNAs encoding lipoprotein lipase, fatty acid synthase and hormone-sensitive lipase in the adipose tissue of underfed-refed ewes and cows. <i>Reproduction, Nutrition, Development</i> , <b>1998</b> , 38, 297-307		29
86	Sequence similarities between hormone-sensitive lipase and five prokaryotic enzymes. <i>Trends in Biochemical Sciences</i> , <b>1993</b> , 18, 466-7	10.3	29
85	Discrimination between alpha 2-adrenoceptors and [3H]idazoxan-labelled non-adrenergic sites in rabbit white fat cells. <i>European Journal of Pharmacology</i> , <b>1990</b> , 188, 261-72		29
84	System model network for adipose tissue signatures related to weight changes in response to calorie restriction and subsequent weight maintenance. <i>PLoS Computational Biology</i> , <b>2015</b> , 11, e1004047 <sup>5</sup>		28
83	Profiling of adipokines secreted from human subcutaneous adipose tissue in response to PPAR agonists. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 358, 897-902	3.4	28
82	beta3-adrenoceptor control the cystic fibrosis transmembrane conductance regulator through a cAMP/protein kinase A-independent pathway. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 6107-13	5.4	28
81	TFAP2B influences the effect of dietary fat on weight loss under energy restriction. <i>PLoS ONE</i> , <b>2012</b> , 7, e43212	3.7	28
80	The testicular form of hormone-sensitive lipase HSLtes confers rescue of male infertility in HSL-deficient mice. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 42875-80	5.4	27
79	The transcriptional co-activator PGC-1alpha up regulates apelin in human and mouse adipocytes. <i>Regulatory Peptides</i> , <b>2008</b> , 150, 33-7		26
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