

# Dominique Langin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Interaction of Diet/Lifestyle Intervention and TCF7L2 Genotype on Glycemic Control and Adiposity among Overweight or Obese Adults: Big Data from Seven Randomized Controlled Trials Worldwide. <i>Health Data Science</i> , <b>2021</b> , 2021, 1-10		
217	Personalized computational model quantifies heterogeneity in postprandial responses to oral glucose challenge. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008852	5	3
216	Hormone-sensitive lipase: sixty years later. <i>Progress in Lipid Research</i> , <b>2021</b> , 82, 101084	14.3	15
215	In vitro and ex vivo models of adipocytes. <i>American Journal of Physiology - Cell Physiology</i> , <b>2021</b> , 320, C822-C841	5.4	7
214	3D Adipose Tissue Culture Links the Organotypic Microenvironment to Improved Adipogenesis. <i>Advanced Science</i> , <b>2021</b> , 8, e2100106	13.6	7
213	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
212	Differential Mitochondrial Gene Expression in Adipose Tissue Following Weight Loss Induced by Diet or Bariatric Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, 1312-1324	5.6	1
211	Network analyses reveal negative link between changes in adipose tissue GDF15 and BMI during dietary induced weight loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> ,	5.6	1
210	Adipocyte heterogeneity revealed by spatial transcriptomics of human adipose tissue: Painting and more. <i>Cell Metabolism</i> , <b>2021</b> , 33, 1721-1722	24.6	1
209	Metabolic and cardiovascular adaptations to an 8-wk lifestyle weight loss intervention in younger and older obese men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2021</b> , 321, E325-E337	6	0
208	The multifunctional protein E4F1 links P53 to lipid metabolism in adipocytes. <i>Nature Communications</i> , <b>2021</b> , 12, 7037	17.4	1
207	Integrative phenotyping of glycemic responders upon clinical weight loss using multi-omics. <i>Scientific Reports</i> , <b>2020</b> , 10, 9236	4.9	9
206	OBEDIS Core Variables Project: European Expert Guidelines on a Minimal Core Set of Variables to Include in Randomized, Controlled Clinical Trials of Obesity Interventions. <i>Obesity Facts</i> , <b>2020</b> , 13, 1-28	5.1	5
205	Hepatocyte-specific deletion of Ppar $\alpha$ promotes NAFLD in the context of obesity. <i>Scientific Reports</i> , <b>2020</b> , 10, 6489	4.9	25
204	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
203	Reappraisal of the optimal fasting time for insulin tolerance tests in mice. <i>Molecular Metabolism</i> , <b>2020</b> , 42, 101058	8.8	7
202	Atrial Natriuretic Peptide Orchestrates a Coordinated Physiological Response to Fuel Non-shivering Thermogenesis. <i>Cell Reports</i> , <b>2020</b> , 32, 108075	10.6	8

201 Nutrients and Gene Expression in Type 2 Diabetes **2020**, 441-445

200 Genome-wide gene-based analyses of weight loss interventions identify a potential role for NKX6.3 in metabolism. *Nature Communications*, **2019**, 10, 540 17.4 11

199 Expression of lipogenic markers is decreased in subcutaneous adipose tissue and adipocytes of older women and is negatively linked to GDF15 expression. *Journal of Physiology and Biochemistry*, **2019**, 75, 253-262 5 4

198 Apolipoprotein M: a novel adipokine decreasing with obesity and upregulated by calorie restriction. *American Journal of Clinical Nutrition*, **2019**, 109, 1499-1510 7 20

197 FADS1 genotype is distinguished by human subcutaneous adipose tissue fatty acids, but not inflammatory gene expression. *International Journal of Obesity*, **2019**, 43, 1539-1548 5.5 8

196 Subcutaneous Adipose Tissue and Systemic Inflammation Are Associated With Peripheral but Not Hepatic Insulin Resistance in Humans. *Diabetes*, **2019**, 68, 2247-2258 0.9 18

195 Interaction between hormone-sensitive lipase and ChREBP in fat cells controls insulin sensitivity. *Nature Metabolism*, **2019**, 1, 133-146 14.6 26

194 Niacin induces miR-502-3p expression which impairs insulin sensitivity in human adipocytes. *International Journal of Obesity*, **2019**, 43, 1485-1490 5.5 7

193 Caloric Restriction and Diet-Induced Weight Loss Do Not Induce Browning of Human Subcutaneous White Adipose Tissue in Women and Men with Obesity. *Cell Reports*, **2018**, 22, 1079-1089 10.6 40

192 Natriuretic peptides promote glucose uptake in a cGMP-dependent manner in human adipocytes. *Scientific Reports*, **2018**, 8, 1097 4.9 22

191 Mitochondrial fission is associated with UCP1 activity in human brite/beige adipocytes. *Molecular Metabolism*, **2018**, 7, 35-44 8.8 40

190 Molecular Biomarkers for Weight Control in Obese Individuals Subjected to a Multiphase Dietary Intervention. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 2751-2761 5.6 19

189 Control of adipogenesis by oxylipins, GPCRs and PPARs. *Biochimie*, **2017**, 136, 3-11 4.6 43

188 Effect of the interaction between diet composition and the genetic variant on insulin resistance and cell function markers during weight loss: results from the Nutrient Gene Interactions in Human Obesity: implications for dietary guidelines (NUGENOB) randomized trial. *American Journal of Clinical Nutrition*, **2017**, 106, 803-808 7 19

187 Transcriptome profiling from adipose tissue during a low-calorie diet reveals predictors of weight and glycemic outcomes in obese, nondiabetic subjects. *American Journal of Clinical Nutrition*, **2017**, 106, 736-746 7 36

186 Protein quantitative trait locus study in obesity during weight-loss identifies a leptin regulator. *Nature Communications*, **2017**, 8, 2084 17.4 36

185 Pretreatment fasting plasma glucose and insulin modify dietary weight loss success: results from 3 randomized clinical trials. *American Journal of Clinical Nutrition*, **2017**, 106, 499-505 7 114

184 Regiocontrolled syntheses of FAHFAs and LC-MS/MS differentiation of regioisomers. *Organic and Biomolecular Chemistry*, **2016**, 14, 9012-20 3.9 35

183	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
182	Let-7i-5p represses brite adipocyte function in mice and humans. <i>Scientific Reports</i> , <b>2016</b> , 6, 28613	4.9	30
181	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
180	Adipocyte lipolysis and insulin resistance. <i>Biochimie</i> , <b>2016</b> , 125, 259-66	4.6	220
179	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
178	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
177	G0/G1 Switch Gene 2 controls adipose triglyceride lipase activity and lipid metabolism in skeletal muscle. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 527-537	8.8	9
176	Comparison of Early (2 Days) and Later (28 Days) Response of Adipose Tissue to Very Low-Calorie Diet in Obese Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 5021-5029	5.6	11
175	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	5	28
174	Stress of endoplasmic reticulum modulates differentiation and lipogenesis of human adipocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 460, 684-90	3.4	13
173	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
172	Primary defects in lipolysis and insulin action in skeletal muscle cells from type 2 diabetic individuals. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2015</b> , 1851, 1194-201	5	23
171	Fatty acids from fat cell lipolysis do not activate an inflammatory response but are stored as triacylglycerols in adipose tissue macrophages. <i>Diabetologia</i> , <b>2015</b> , 58, 2627-36	10.3	25
170	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
169	MAFB as a novel regulator of human adipose tissue inflammation. <i>Diabetologia</i> , <b>2015</b> , 58, 2115-23	10.3	17
168	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
167	Positive interaction between prebiotics and thiazolidinedione treatment on adiposity in diet-induced obese mice. <i>Obesity</i> , <b>2014</b> , 22, 1653-61	8	8
166	Soluble CD163 is associated with CD163 mRNA expression in adipose tissue and with insulin sensitivity in steady-state condition but not in response to calorie restriction. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, E528-35	5.6	24

165	Hormone-sensitive lipase deficiency in humans. <i>Cell Metabolism</i> , <b>2014</b> , 20, 199-201	24.6	10
164	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
163	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
162	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
161	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
160	Influence of lipolysis and fatty acid availability on fuel selection during exercise. <i>Journal of Physiology and Biochemistry</i> , <b>2014</b> , 70, 583-91	5	7
159	Adipose tissue CIDEA is associated, independently of weight variation, to change in insulin resistance during a longitudinal weight control dietary program in obese individuals. <i>PLoS ONE</i> , <b>2014</b> , 9, e98707	3.7	7
158	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
157	Dynamics of skeletal muscle lipid pools. <i>Trends in Endocrinology and Metabolism</i> , <b>2013</b> , 24, 607-15	8.8	51
156	Adipose Tissue Lipolysis <b>2013</b> , 141-157		
155	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
154	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
153	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
152	Adipose tissue lipases and lipolysis. <i>Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion</i> , <b>2013</b> , 60 Suppl 1, 26-8		2
151	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
150	Metabolic syndrome, circulating RBP4, testosterone, and SHBG predict weight regain at 6 months after weight loss in men. <i>Obesity</i> , <b>2013</b> , 21, 1997-2006	8	20
149	Change in proportional protein intake in a 10-week energy-restricted low- or high-fat diet, in relation to changes in body size and metabolic factors. <i>Obesity Facts</i> , <b>2013</b> , 6, 217-27	5.1	5
148	Influence of SNPs in nutrient-sensitive candidate genes and gene-diet interactions on blood lipids: the DiOGenes study. <i>British Journal of Nutrition</i> , <b>2013</b> , 110, 790-6	3.6	12

147	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
146	Comment on: Sitnick et al. Skeletal muscle triacylglycerol hydrolysis does not influence metabolic complications of obesity. <i>Diabetes</i> 2013;62:3350-3361. <i>Diabetes</i> , <b>2013</b> , 62, e29	0.9	1
145	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
144	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
143	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
142	WISP2 regulates preadipocyte commitment and PPAR $\alpha$ 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
141	Catecholamine and insulin control of lipolysis in subcutaneous adipose tissue during long-term diet-induced weight loss in obese women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 302, E226-32	6	9
140	Adipose tissue secretion and expression of adipocyte-produced and stromavascular fraction-produced adipokines vary during multiple phases of weight-reducing dietary intervention in obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, E1176-81	5.6	23
139	Hidden variant of ChREBP in fat links lipogenesis to insulin sensitivity. <i>Cell Metabolism</i> , <b>2012</b> , 15, 795-7	24.6	6
138	Dietary factors impact on the association between CTSS variants and obesity related traits. <i>PLoS ONE</i> , <b>2012</b> , 7, e40394	3.7	6
137	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
136	Multiple effects of a short-term dexamethasone treatment in human skeletal muscle and adipose tissue. <i>Physiological Genomics</i> , <b>2012</b> , 44, 141-51	3.6	17
135	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
134	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
133	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
132	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
131	In and out: adipose tissue lipid turnover in obesity and dyslipidemia. <i>Cell Metabolism</i> , <b>2011</b> , 14, 569-70	24.6	31
130	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

129	CIDEA interacts with liver X receptors in white fat cells. <i>FEBS Letters</i> , <b>2011</b> , 585, 744-8	3.8	9
128	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
127	Liver X receptor (LXR) regulates human adipocyte lipolysis. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 370-9	5.4	58
126	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
125	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
124	Genetic association and gene expression analysis identify FGFR1 as a new susceptibility gene for human obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, E962-6	5.6	22
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	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
121	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
120	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
119	Cyclin G2 regulates adipogenesis through PPAR gamma coactivation. <i>Endocrinology</i> , <b>2010</b> , 151, 5247-54	4.8	40
118	Skeletal muscle lipase content and activity in obesity and type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 5449-53	5.6	23
117	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
116	Adipose tissue lipolysis revisited (again!): lactate involvement in insulin antilipolytic action. <i>Cell Metabolism</i> , <b>2010</b> , 11, 242-3	24.6	18
115	Adipose tissue lipolysis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2010</b> , 13, 377-81	3.8	78
114	Secretion of adiponectin multimeric complexes from adipose tissue explants is not modified by very low calorie diet. <i>European Journal of Endocrinology</i> , <b>2009</b> , 160, 585-92	6.5	17
113	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
112	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

111	Effect of hyperinsulinemia and very-low-calorie diet on interstitial cytokine levels in subcutaneous adipose tissue of obese women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2009</b> , 297, E1154-61	6	17
110	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
109	Transcription of the human uncoupling protein 3 gene is governed by a complex interplay between the promoter and intronic sequences. <i>Diabetologia</i> , <b>2009</b> , 52, 1638-46	10.3	7
108	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
107	Lipolysis and lipid mobilization in human adipose tissue. <i>Progress in Lipid Research</i> , <b>2009</b> , 48, 275-97	14.3	510
106	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
105	Regulation of adipose tissue lipolysis revisited. <i>Proceedings of the Nutrition Society</i> , <b>2009</b> , 68, 350-60	2.9	48
104	Effects of TCF7L2 polymorphisms on obesity in European populations. <i>Obesity</i> , <b>2008</b> , 16, 476-82	8	72
103	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
102	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
101	Evidence for an important role of CIDEA in human cancer cachexia. <i>Cancer Research</i> , <b>2008</b> , 68, 9247-54	10.1	49
100	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
99	ApoB100-LDL acts as a metabolic signal from liver to peripheral fat causing inhibition of lipolysis in adipocytes. <i>PLoS ONE</i> , <b>2008</b> , 3, e3771	3.7	18
98	Gene expression profiling of human skeletal muscle in response to stabilized weight loss. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 88, 125-32	7	24
97	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
96	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
95	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
94	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



93	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
92	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
91	The role of neutral lipases in human adipose tissue lipolysis. <i>Current Opinion in Lipidology</i> , <b>2007</b> , 18, 246-50	5.0	43
90	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
89	Transcriptional control of brown fat determination by PRDM16. <i>Cell Metabolism</i> , <b>2007</b> , 6, 38-54	24.6	827
88	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
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	Cdk4 promotes adipogenesis through PPARgamma activation. <i>Cell Metabolism</i> , <b>2005</b> , 2, 239-49	24.6	114
79	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
78	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
77	Norepinephrine induces lipolysis in beta1/beta2/beta3-adrenoceptor knockout mice. <i>Molecular Pharmacology</i> , <b>2005</b> , 68, 793-9	4.3	30
76	Cathepsin S, a novel biomarker of adiposity: relevance to atherogenesis. <i>FASEB Journal</i> , <b>2005</b> , 19, 1540-20	2.9	119

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