

# Hubert Vidal

## List of Publications by Citations

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277  
papers

18,779  
citations

76  
h-index

128  
g-index

283  
ext. papers

20,698  
ext. citations

6  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
277	The organization, promoter analysis, and expression of the human PPARgamma gene. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 18779-89	5.4	889
276	Elevated levels of interleukin 6 are reduced in serum and subcutaneous adipose tissue of obese women after weight loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 3338-42	5.6	726
275	Mitofusin-2 determines mitochondrial network architecture and mitochondrial metabolism. A novel regulatory mechanism altered in obesity. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 17190-7	5.4	609
274	Elevated Levels of Interleukin 6 Are Reduced in Serum and Subcutaneous Adipose Tissue of Obese Women after Weight Loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2000</b> , 85, 3338-3342	5.6	588
273	Mitochondrial dysfunction results from oxidative stress in the skeletal muscle of diet-induced insulin-resistant mice. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 789-800	15.9	583
272	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
271	Association between altered expression of adipogenic factor SREBP1 in lipotrophic adipose tissue from HIV-1-infected patients and abnormal adipocyte differentiation and insulin resistance. <i>Lancet, The</i> , <b>2002</b> , 359, 1026-31	4.0	344
270	Insulin-sensitizing effects of dietary resistant starch and effects on skeletal muscle and adipose tissue metabolism. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 82, 559-567	7	326
269	Insulin-sensitizing effects of dietary resistant starch and effects on skeletal muscle and adipose tissue metabolism. <i>American Journal of Clinical Nutrition</i> , <b>2005</b> , 82, 559-67	7	307
268	Lactobacillus plantarum strain maintains growth of infant mice during chronic undernutrition. <i>Science</i> , <b>2016</b> , 351, 854-7	33.3	305
267	Expression of Mfn2, the Charcot-Marie-Tooth neuropathy type 2A gene, in human skeletal muscle: effects of type 2 diabetes, obesity, weight loss, and the regulatory role of tumor necrosis factor alpha and interleukin-6. <i>Diabetes</i> , <b>2005</b> , 54, 2685-93	0.9	294
266	Persistent organic pollutant exposure leads to insulin resistance syndrome. <i>Environmental Health Perspectives</i> , <b>2010</b> , 118, 465-71	8.4	282
265	Increased uncoupling protein-2 and -3 mRNA expression during fasting in obese and lean humans. <i>Journal of Clinical Investigation</i> , <b>1997</b> , 100, 2665-70	15.9	250
264	Reduced activation of phosphatidylinositol-3 kinase and increased serine 636 phosphorylation of insulin receptor substrate-1 in primary culture of skeletal muscle cells from patients with type 2 diabetes. <i>Diabetes</i> , <b>2003</b> , 52, 1319-25	0.9	241
263	Regulation by insulin of gene expression in human skeletal muscle and adipose tissue. Evidence for specific defects in type 2 diabetes. <i>Diabetes</i> , <b>2001</b> , 50, 1134-42	0.9	231
262	Differences in mRNA expression of the proteins secreted by the adipocytes in human subcutaneous and visceral adipose tissues. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2000</b> , 1500, 88-96	6.9	231
261	Treatment for 2 mo with n 3 polyunsaturated fatty acids reduces adiposity and some atherogenic factors but does not improve insulin sensitivity in women with type 2 diabetes: a randomized controlled study. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 86, 1670-9	7	229

260	Mitochondria-associated endoplasmic reticulum membrane (MAM) integrity is required for insulin signaling and is implicated in hepatic insulin resistance. <i>Diabetes</i> , <b>2014</b> , 63, 3279-94	0.9	227
259	Five-week, low-glycemic index diet decreases total fat mass and improves plasma lipid profile in moderately overweight nondiabetic men. <i>Diabetes Care</i> , <b>2002</b> , 25, 822-8	14.6	203
258	Emulsified lipids increase endotoxemia: possible role in early postprandial low-grade inflammation. <i>Journal of Nutritional Biochemistry</i> , <b>2011</b> , 22, 53-9	6.3	195
257	Increased hepatic lipogenesis but decreased expression of lipogenic gene in adipose tissue in human obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2002</b> , 282, E46-51	6	163
256	Dual peroxisome proliferator-activated receptor $\gamma$ agonist GFT505 improves hepatic and peripheral insulin sensitivity in abdominally obese subjects. <i>Diabetes Care</i> , <b>2013</b> , 36, 2923-30	14.6	162
255	Suppressor of cytokine signaling 3 expression and insulin resistance in skeletal muscle of obese and type 2 diabetic patients. <i>Diabetes</i> , <b>2004</b> , 53, 2232-41	0.9	147
254	Resveratrol is a class IA phosphoinositide 3-kinase inhibitor. <i>Biochemical Journal</i> , <b>2007</b> , 406, 511-8	3.8	146
253	Alterations of insulin signaling in type 2 diabetes: a review of the current evidence from humans. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2009</b> , 1792, 83-92	6.9	145
252	Microarray profiling of human skeletal muscle reveals that insulin regulates approximately 800 genes during a hyperinsulinemic clamp. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 18063-8	5.4	145
251	Tissue distribution and quantification of the expression of mRNAs of peroxisome proliferator-activated receptors and liver X receptor-alpha in humans: no alteration in adipose tissue of obese and NIDDM patients. <i>Diabetes</i> , <b>1997</b> , 46, 1319-1327	0.9	137
250	Claudin 11 deficiency in mice results in loss of the Sertoli cell epithelial phenotype in the testis. <i>Biology of Reproduction</i> , <b>2010</b> , 82, 202-13	3.9	135
249	Treatment for 2 mo with n-3 polyunsaturated fatty acids reduces adiposity and some atherogenic factors but does not improve insulin sensitivity in women with type 2 diabetes: a randomized controlled study. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 86, 1670-1679	7	131
248	Expression of key genes of fatty acid oxidation, including adiponectin receptors, in skeletal muscle of Type 2 diabetic patients. <i>Diabetologia</i> , <b>2004</b> , 47, 917-25	10.3	124
247	Modified quantitative insulin sensitivity check index is better correlated to hyperinsulinemic glucose clamp than other fasting-based index of insulin sensitivity in different insulin-resistant states. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 4917-23	5.6	120
246	Regulation of gene expression by activation of the peroxisome proliferator-activated receptor gamma with rosiglitazone (BRL 49653) in human adipocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 265, 265-71	3.4	119
245	Myotube-derived exosomal miRNAs downregulate Sirtuin1 in myoblasts during muscle cell differentiation. <i>Cell Cycle</i> , <b>2014</b> , 13, 78-89	4.7	116
244	The microRNA signature in response to insulin reveals its implication in the transcriptional action of insulin in human skeletal muscle and the role of a sterol regulatory element-binding protein-1c/myocyte enhancer factor 2C pathway. <i>Diabetes</i> , <b>2009</b> , 58, 2555-64	0.9	116
243	The expression of ob gene is not acutely regulated by insulin and fasting in human abdominal subcutaneous adipose tissue. <i>Journal of Clinical Investigation</i> , <b>1996</b> , 98, 251-5	15.9	116

242	Chronic consumption of farmed salmon containing persistent organic pollutants causes insulin resistance and obesity in mice. <i>PLoS ONE</i> , <b>2011</b> , 6, e25170	3.7	116
241	Oil composition of high-fat diet affects metabolic inflammation differently in connection with endotoxin receptors in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 302, E374-86	6	114
240	The use of the reverse transcription-competitive polymerase chain reaction to investigate the in vivo regulation of gene expression in small tissue samples. <i>Analytical Biochemistry</i> , <b>1997</b> , 245, 141-8	3.1	114
239	Adipose tissue gene expression in obese subjects during low-fat and high-fat hypocaloric diets. <i>Diabetologia</i> , <b>2005</b> , 48, 123-31	10.3	113
238	Subcutaneous adipose tissue remodeling during the initial phase of weight gain induced by overfeeding in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, E183-92	5.6	111
237	Fibroblast growth factor 19 regulates skeletal muscle mass and ameliorates muscle wasting in mice. <i>Nature Medicine</i> , <b>2017</b> , 23, 990-996	50.5	109
236	Insulin acutely regulates the expression of the peroxisome proliferator-activated receptor-gamma in human adipocytes. <i>Diabetes</i> , <b>1999</b> , 48, 699-705	0.9	109
235	Eicosapentaenoic acid induces mRNA expression of peroxisome proliferator-activated receptor gamma. <i>Obesity</i> , <b>2002</b> , 10, 518-25		107
234	Glucose-to-insulin ratio rather than sex hormone-binding globulin and adiponectin levels is the best predictor of insulin resistance in nonobese women with polycystic ovary syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 3626-31	5.6	106
233	Apelin and APJ regulation in adipose tissue and skeletal muscle of type 2 diabetic mice and humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2010</b> , 298, E1161-9	6	104
232	The effect of a 3-month low-intensity endurance training program on fat oxidation and acetyl-CoA carboxylase-2 expression. <i>Diabetes</i> , <b>2002</b> , 51, 2220-6	0.9	99
231	Exosome-like vesicles released from lipid-induced insulin-resistant muscles modulate gene expression and proliferation of beta recipient cells in mice. <i>Diabetologia</i> , <b>2016</b> , 59, 1049-58	10.3	98
230	Moderate intake of n-3 fatty acids for 2 months has no detrimental effect on glucose metabolism and could ameliorate the lipid profile in type 2 diabetic men. Results of a controlled study. <i>Diabetes Care</i> , <b>1998</b> , 21, 717-24	14.6	98
229	High protein intake reduces intrahepatocellular lipid deposition in humans. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 90, 1002-10	7	97
228	Altered Fat Differentiation and Adipocytokine Expression are Inter-Related and Linked to Morphological Changes and Insulin Resistance in HIV-1-Infected Lipodystrophic Patients. <i>Antiviral Therapy</i> , <b>2004</b> , 9, 555-564	1.6	97
227	Mitochondria-associated endoplasmic reticulum membranes allow adaptation of mitochondrial metabolism to glucose availability in the liver. <i>Journal of Molecular Cell Biology</i> , <b>2016</b> , 8, 129-43	6.3	95
226	Exosomes participate in the alteration of muscle homeostasis during lipid-induced insulin resistance in mice. <i>Diabetologia</i> , <b>2014</b> , 57, 2155-64	10.3	95
225	Proteomic analysis of C2C12 myoblast and myotube exosome-like vesicles: a new paradigm for myoblast-myotube cross talk?. <i>PLoS ONE</i> , <b>2014</b> , 9, e84153	3.7	95

224	The effects of rosiglitazone on fatty acid and triglyceride metabolism in type 2 diabetes. <i>Diabetologia</i> , <b>2005</b> , 48, 83-95	10.3	95
223	Disruption of Mitochondria-Associated Endoplasmic Reticulum Membrane (MAM) Integrity Contributes to Muscle Insulin Resistance in Mice and Humans. <i>Diabetes</i> , <b>2018</b> , 67, 636-650	0.9	94
222	Phosphoinositide 3-kinase as a novel functional target for the regulation of the insulin signaling pathway by SIRT1. <i>Molecular and Cellular Endocrinology</i> , <b>2011</b> , 335, 166-76	4.4	94
221	Insulin activates human sterol-regulatory-element-binding protein-1c (SREBP-1c) promoter through SRE motifs. <i>Biochemical Journal</i> , <b>2006</b> , 400, 179-88	3.8	92
220	Acute regulation by insulin of phosphatidylinositol-3-kinase, Rad, Glut 4, and lipoprotein lipase mRNA levels in human muscle. <i>Journal of Clinical Investigation</i> , <b>1996</b> , 98, 43-9	15.9	92
219	Depot-specific differences in adipose tissue gene expression in lean and obese subjects. <i>Diabetes</i> , <b>1998</b> , 47, 98-103	0.9	91
218	Expression of adipogenic transcription factors, peroxisome proliferator-activated receptor gamma co-activator 1, IL-6 and CD45 in subcutaneous adipose tissue in lipodystrophy associated with highly active antiretroviral therapy. <i>Aids</i> , <b>2003</b> , 17, 1753-62	3.5	88
217	Postprandial Endotoxemia Linked With Chylomicrons and Lipopolysaccharides Handling in Obese Versus Lean Men: A Lipid Dose-Effect Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2015</b> , 100, 3427-35	5.6	87
216	Grape polyphenols prevent fructose-induced oxidative stress and insulin resistance in first-degree relatives of type 2 diabetic patients. <i>Diabetes Care</i> , <b>2013</b> , 36, 1454-61	14.6	87
215	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
214	Disruption of calcium transfer from ER to mitochondria links alterations of mitochondria-associated ER membrane integrity to hepatic insulin resistance. <i>Diabetologia</i> , <b>2016</b> , 59, 614-23	10.3	85
213	Modulating absorption and postprandial handling of dietary fatty acids by structuring fat in the meal: a randomized crossover clinical trial. <i>American Journal of Clinical Nutrition</i> , <b>2013</b> , 97, 23-36	7	85
212	Insulin-sensitizing effects on muscle and adipose tissue after dietary fiber intake in men and women with metabolic syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, 3326-32	5.6	85
211	Four-week low-glycemic index breakfast with a modest amount of soluble fibers in type 2 diabetic men. <i>Metabolism: Clinical and Experimental</i> , <b>2002</b> , 51, 819-26	12.7	84
210	Gene expression in visceral and subcutaneous adipose tissues. <i>Annals of Medicine</i> , <b>2001</b> , 33, 547-55	1.5	84
209	Pathogenic Role of IL-17-Producing Immune Cells in Obesity, and Related Inflammatory Diseases. <i>Journal of Clinical Medicine</i> , <b>2017</b> , 6,	5.1	83
208	Regional Variation in Plasminogen Activator Inhibitor-1 Expression in Adipose Tissue from Obese Individuals. <i>Thrombosis and Haemostasis</i> , <b>2000</b> , 83, 545-548	7	83
207	Regulation of SREBP-1 expression and transcriptional action on HKII and FAS genes during fasting and refeeding in rat tissues. <i>Journal of Lipid Research</i> , <b>2005</b> , 46, 697-705	6.3	80

206	TNF- $\beta$ and tumor-induced skeletal muscle atrophy involves sphingolipid metabolism. <i>Skeletal Muscle</i> , <b>2012</b> , 2, 2	5.1	79
205	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
204	Prominent action of butyrate over $\beta$ -hydroxybutyrate as histone deacetylase inhibitor, transcriptional modulator and anti-inflammatory molecule. <i>Scientific Reports</i> , <b>2019</b> , 9, 742	4.9	77
203	Overfeeding increases postprandial endotoxemia in men: Inflammatory outcome may depend on LPS transporters LBP and sCD14. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 1513-8	5.9	76
202	Imeglimin normalizes glucose tolerance and insulin sensitivity and improves mitochondrial function in liver of a high-fat, high-sucrose diet mice model. <i>Diabetes</i> , <b>2015</b> , 64, 2254-64	0.9	76
201	Plasma acylation stimulating protein concentration and subcutaneous adipose tissue C3 mRNA expression in nondiabetic and type 2 diabetic men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2001</b> , 21, 1034-9	9.4	76
200	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
199	Upper and lower body adipose tissue function: a direct comparison of fat mobilization in humans. <i>Obesity</i> , <b>2004</b> , 12, 114-8		75
198	Visceral fat accumulation during lipid overfeeding is related to subcutaneous adipose tissue characteristics in healthy men. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 802-10	5.6	73
197	Fatty acid transport protein-1 mRNA expression in skeletal muscle and in adipose tissue in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2000</b> , 279, E1072-9	6	72
196	Effect of carbohydrate overfeeding on whole body macronutrient metabolism and expression of lipogenic enzymes in adipose tissue of lean and overweight humans. <i>International Journal of Obesity</i> , <b>2004</b> , 28, 1291-8	5.5	71
195	Regulation of uncoupling protein-2 and uncoupling protein-3 mRNA expression during lipid infusion in human skeletal muscle and subcutaneous adipose tissue. <i>Diabetes</i> , <b>2000</b> , 49, 25-31	0.9	71
194	Adipose Tissue-Derived Stem Cells From Obese Subjects Contribute to Inflammation and Reduced Insulin Response in Adipocytes Through Differential Regulation of the Th1/Th17 Balance and Monocyte Activation. <i>Diabetes</i> , <b>2015</b> , 64, 2477-88	0.9	70
193	FTO is increased in muscle during type 2 diabetes, and its overexpression in myotubes alters insulin signaling, enhances lipogenesis and ROS production, and induces mitochondrial dysfunction. <i>Diabetes</i> , <b>2011</b> , 60, 258-68	0.9	69
192	Isoform-specific defects of insulin stimulation of Akt/protein kinase B (PKB) in skeletal muscle cells from type 2 diabetic patients. <i>Diabetologia</i> , <b>2008</b> , 51, 512-21	10.3	68
191	Human skeletal myotubes display a cell-autonomous circadian clock implicated in basal myokine secretion. <i>Molecular Metabolism</i> , <b>2015</b> , 4, 834-45	8.8	67
190	Cloning and mRNA tissue distribution of human PPAR $\gamma$ coactivator-1. <i>International Journal of Obesity</i> , <b>1999</b> , 23, 1327-32	5.5	67
189	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



188	Sterol regulatory element binding protein 1c (SREBP-1c) expression in human obesity. <i>Obesity</i> , <b>2001</b> , 9, 706-12		64
187	Endocrine disrupting chemicals in mixture and obesity, diabetes and related metabolic disorders. <i>World Journal of Biological Chemistry</i> , <b>2017</b> , 8, 108-119	3.8	63
186	A new role for sterol regulatory element binding protein 1 transcription factors in the regulation of muscle mass and muscle cell differentiation. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 1182-98	4.8	63
185	Calcium-sensing receptor autoantibodies are relevant markers of acquired hypoparathyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2004</b> , 89, 4484-8	5.6	63
184	Human immunodeficiency virus protease inhibitors accumulate into cultured human adipocytes and alter expression of adipocytokines. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 2238-43	5.4	63
183	Changes in adiponectin receptor expression in muscle and adipose tissue of type 2 diabetic patients during rosiglitazone therapy. <i>Diabetologia</i> , <b>2005</b> , 48, 1585-9	10.3	62
182	The regulation of uncoupling protein-2 gene expression by omega-6 polyunsaturated fatty acids in human skeletal muscle cells involves multiple pathways, including the nuclear receptor peroxisome proliferator-activated receptor beta. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 10853-60	5.4	62
181	Impact of Gut Microbiota on Host Glycemic Control. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 29	5.7	62
180	Nutritional intervention to reduce the n-6/n-3 fatty acid ratio increases adiponectin concentration and fatty acid oxidation in healthy subjects. <i>European Journal of Clinical Nutrition</i> , <b>2008</b> , 62, 1287-93	5.2	61
179	Acute hyperglycemia induces a global downregulation of gene expression in adipose tissue and skeletal muscle of healthy subjects. <i>Diabetes</i> , <b>2007</b> , 56, 992-9	0.9	59
178	Effect of beta1- and beta2-adrenergic stimulation on energy expenditure, substrate oxidation, and UCP3 expression in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2003</b> , 285, E775-82	6	59
177	Insulin resistance is associated with MCP1-mediated macrophage accumulation in skeletal muscle in mice and humans. <i>PLoS ONE</i> , <b>2014</b> , 9, e110653	3.7	59
176	Autophagy-regulating TP53INP2 mediates muscle wasting and is repressed in diabetes. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 1914-27	15.9	58
175	Defective regulation of phosphatidylinositol-3-kinase gene expression in skeletal muscle and adipose tissue of non-insulin-dependent diabetes mellitus patients. <i>Diabetologia</i> , <b>1999</b> , 42, 358-64	10.3	57
174	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
173	Changes in adiponectin, its receptors and AMPK activity in tissues of diet-induced diabetic mice. <i>Diabetes and Metabolism</i> , <b>2008</b> , 34, 52-61	5.4	56
172	Microarray analyses of SREBP-1a and SREBP-1c target genes identify new regulatory pathways in muscle. <i>Physiological Genomics</i> , <b>2008</b> , 34, 327-37	3.6	55
171	Daily intake of conjugated linoleic acid-enriched yoghurts: effects on energy metabolism and adipose tissue gene expression in healthy subjects. <i>British Journal of Nutrition</i> , <b>2007</b> , 97, 273-80	3.6	53

170	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
169	Jejunal proteins secreted by db/db mice or insulin-resistant humans impair the insulin signaling and determine insulin resistance. <i>PLoS ONE</i> , <b>2013</b> , 8, e56258	3.7	51
168	Acute and selective regulation of glyceroneogenesis and cytosolic phosphoenolpyruvate carboxykinase in adipose tissue by thiazolidinediones in type 2 diabetes. <i>Diabetologia</i> , <b>2007</b> , 50, 666-75	10.3	51
167	Increased adipose tissue expression of Grb14 in several models of insulin resistance. <i>FASEB Journal</i> , <b>2004</b> , 18, 965-7	0.9	50
166	Intramyocytic lipid accumulation and SREBP-1c expression are related to insulin resistance and cardiovascular risk in morbid obesity. <i>Atherosclerosis</i> , <b>2003</b> , 170, 155-61	3.1	50
165	Tpl2 kinase is upregulated in adipose tissue in obesity and may mediate interleukin-1beta and tumor necrosis factor- $\alpha$ effects on extracellular signal-regulated kinase activation and lipolysis. <i>Diabetes</i> , <b>2010</b> , 59, 61-70	0.9	49
164	Activation of liver X receptors promotes lipid accumulation but does not alter insulin action in human skeletal muscle cells. <i>Diabetologia</i> , <b>2006</b> , 49, 990-9	10.3	49
163	Low-dose food contaminants trigger sex-specific, hepatic metabolic changes in the progeny of obese mice. <i>FASEB Journal</i> , <b>2013</b> , 27, 3860-70	0.9	48
162	Inhibition of xanthine oxidase reduces hyperglycemia-induced oxidative stress and improves mitochondrial alterations in skeletal muscle of diabetic mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2011</b> , 300, E581-91	6	48
161	Effects of rosiglitazone on gene expression in subcutaneous adipose tissue in highly active antiretroviral therapy-associated lipodystrophy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2004</b> , 286, E941-9	6	48
160	Gut microbiota and probiotics intervention: A potential therapeutic target for management of cardiometabolic disorders and chronic kidney disease?. <i>Pharmacological Research</i> , <b>2018</b> , 130, 152-163	10.2	46
159	Adiponutrin gene is regulated by insulin and glucose in human adipose tissue. <i>European Journal of Endocrinology</i> , <b>2006</b> , 155, 461-8	6.5	46
158	Effect of carbohydrate overfeeding on whole body and adipose tissue metabolism in humans. <i>Obesity</i> , <b>2003</b> , 11, 1096-103		46
157	Peroxisome proliferator activated receptor-gamma, leptin and tumor necrosis factor-alpha mRNA expression during very low calorie diet in subcutaneous adipose tissue in obese women. <i>Diabetes/Metabolism Research and Reviews</i> , <b>1999</b> , 15, 92-8	7.5	46
156	Subcutaneous adipose tissue expression of tumour necrosis factor-alpha is not associated with whole body insulin resistance in obese nondiabetic or in type-2 diabetic subjects. <i>European Journal of Clinical Investigation</i> , <b>2000</b> , 30, 302-10	4.6	44
155	Sterol regulatory element-binding protein-1 mediates the effect of insulin on hexokinase II gene expression in human muscle cells. <i>Diabetes</i> , <b>2004</b> , 53, 321-9	0.9	43
154	The expression of the p85alpha subunit of phosphatidylinositol 3-kinase is induced by activation of the peroxisome proliferator-activated receptor gamma in human adipocytes. <i>Diabetologia</i> , <b>2001</b> , 44, 544-54	10.3	43
153	Variations in plasma soluble tumour necrosis factor receptors after diet-induced weight loss in obesity. <i>Diabetes, Obesity and Metabolism</i> , <b>2000</b> , 2, 323-5	6.7	43



152	Reduced PDK4 expression associates with increased insulin sensitivity in postobese patients. <i>Obesity</i> , <b>2003</b> , 11, 176-82		42
151	The eicosapentaenoic acid metabolite 15-deoxy-(12,14)-prostaglandin J3 increases adiponectin secretion by adipocytes partly via a PPAR $\beta$ -dependent mechanism. <i>PLoS ONE</i> , <b>2013</b> , 8, e63997	3.7	41
150	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
149	The effect of weight reduction on skeletal muscle UCP2 and UCP3 mRNA expression and UCP3 protein content in Type II diabetic subjects. <i>Diabetologia</i> , <b>2000</b> , 43, 1408-16	10.3	39
148	FTO contributes to hepatic metabolism regulation through regulation of leptin action and STAT3 signalling in liver. <i>Cell Communication and Signaling</i> , <b>2014</b> , 12, 4	7.5	36
147	Reduction of endoplasmic reticulum stress using chemical chaperones or Grp78 overexpression does not protect muscle cells from palmitate-induced insulin resistance. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 417, 439-45	3.4	36
146	The ubiquitin-proteasome pathway is a new partner for the control of insulin signaling. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2004</b> , 7, 249-54	3.8	36
145	Milk polar lipids reduce lipid cardiovascular risk factors in overweight postmenopausal women: towards a gut sphingomyelin-cholesterol interplay. <i>Gut</i> , <b>2020</b> , 69, 487-501	19.2	36
144	Changes in gene expression in skeletal muscle in response to fat overfeeding in lean men. <i>Obesity</i> , <b>2007</b> , 15, 2583-94	8	35
143	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
142	High-fat diet action on adiposity, inflammation, and insulin sensitivity depends on the control low-fat diet. <i>Nutrition Research</i> , <b>2013</b> , 33, 952-60	4	33
141	Environmental Pollutants and Metabolic Disorders: The Multi-Exposure Scenario of Life. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 582	5.7	33
140	Hormone sensitive lipase expression and adipose tissue metabolism show gender difference in obese subjects after weight loss. <i>International Journal of Obesity</i> , <b>2002</b> , 26, 6-16	5.5	32
139	Dairy calcium supplementation in overweight or obese persons: its effect on markers of fat metabolism. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 88, 877-85	7	31
138	Activity energy expenditure is a major determinant of dietary fat oxidation and trafficking, but the deleterious effect of detraining is more marked than the beneficial effect of training at current recommendations. <i>American Journal of Clinical Nutrition</i> , <b>2013</b> , 98, 648-58	7	30
137	Effects of four-week high-fructose diet on gene expression in skeletal muscle of healthy men. <i>Diabetes and Metabolism</i> , <b>2008</b> , 34, 82-5	5.4	30
136	Effect of the Pro12Ala polymorphism in the peroxisome proliferator-activated receptor (PPAR) gamma2 gene on the expression of PPARgamma target genes in adipose tissue of massively obese subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2003</b> , 88, 1717-22	5.6	30
135	New Insights on the Use of Dietary Polyphenols or Probiotics for the Management of Arterial Hypertension. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 448	4.6	30

134	Differential dose effect of fish oil on inflammation and adipose tissue gene expression in chronic kidney disease patients. <i>Nutrition</i> , <b>2013</b> , 29, 730-6	4.8	29
133	Gene expression profiling in peripheral blood cells of patients with rheumatoid arthritis in response to anti-TNF-alpha treatments. <i>Physiological Genomics</i> , <b>2011</b> , 43, 365-71	3.6	29
132	mRNA expression of the long and short forms of uncoupling protein-3 in obese and lean humans. <i>Diabetologia</i> , <b>1998</b> , 41, 829-32	10.3	29
131	Decreased uncoupling protein expression and intramyocytic triglyceride depletion in formerly obese subjects. <i>Obesity</i> , <b>2003</b> , 11, 632-40		29
130	The ATP-binding site in the 2-kinase domain of liver 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. Study of the role of Lys-54 and Thr-55 by site-directed mutagenesis. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 17875-80	5.4	29
129	SREBP-1 transcription factors regulate skeletal muscle cell size by controlling protein synthesis through myogenic regulatory factors. <i>PLoS ONE</i> , <b>2012</b> , 7, e50878	3.7	27
128	Impaired Regulation of Glucose Transporter 4 Gene Expression in Insulin Resistance Associated with in Utero Undernutrition. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 3266-3271	5.6	27
127	Glucose-6-phosphatase mRNA and activity are increased to the same extent in kidney and liver of diabetic rats. <i>Diabetes</i> , <b>1996</b> , 45, 891-896	0.9	27
126	Comparative analysis of three human adipocyte size measurement methods and their relevance for cardiometabolic risk. <i>Obesity</i> , <b>2017</b> , 25, 122-131	8	26
125	Moderate oral supplementation with docosahexaenoic acid improves platelet function and oxidative stress in type 2 diabetic patients. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 114, 289-96	7	26
124	Dietary DHA: time course of tissue uptake and effects on cytokine secretion in mice. <i>British Journal of Nutrition</i> , <b>2010</b> , 104, 1304-12	3.6	26
123	Increased adiponectin receptor-1 expression in adipose tissue of impaired glucose-tolerant obese subjects during weight loss. <i>European Journal of Endocrinology</i> , <b>2006</b> , 155, 161-5	6.5	26
122	Regulation of gene expression by glucose. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2007</b> , 10, 518-22	3.8	26
121	A phosphatidylinositol 3-Kinase/p70 ribosomal S6 protein kinase pathway is required for the regulation by insulin of the p85alpha regulatory subunit of phosphatidylinositol 3-kinase gene expression in human muscle cells. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 34005-10	5.4	26
120	Interaction between hormone-sensitive lipase and ChREBP in fat cells controls insulin sensitivity. <i>Nature Metabolism</i> , <b>2019</b> , 1, 133-146	14.6	26
119	Phospholipase D regulates the size of skeletal muscle cells through the activation of mTOR signaling. <i>Cell Communication and Signaling</i> , <b>2013</b> , 11, 55	7.5	25
118	Phospholipase D regulates myogenic differentiation through the activation of both mTORC1 and mTORC2 complexes. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 22609-21	5.4	25
117	Lifestyle changes and lipid metabolism gene expression and protein content in skeletal muscle of subjects with impaired glucose tolerance. <i>Diabetologia</i> , <b>2003</b> , 46, 1082-9	10.3	25

116	Absence of glucose uptake by liver microsomes: an explanation for the complete latency of glucose dehydrogenase. <i>Biochemical and Biophysical Research Communications</i> , <b>1994</b> , 200, 1491-7	3.4	25
115	Maternal protein restriction induced-hypertension is associated to oxidative disruption at transcriptional and functional levels in the medulla oblongata. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2016</b> , 43, 1177-1184	3	24
114	The histone deacetylase inhibitor sodium butyrate improves insulin signalling in palmitate-induced insulin resistance in L6 rat muscle cells through epigenetically-mediated up-regulation of Irs1. <i>Molecular and Cellular Endocrinology</i> , <b>2017</b> , 439, 224-232	4.4	24
113	Regulation of hepatic mitochondrial metabolism in response to a high fat diet: a longitudinal study in rats. <i>Journal of Physiology and Biochemistry</i> , <b>2012</b> , 68, 335-44	5	24
112	Subcutaneous adipose tissue expression of plasminogen activator inhibitor-1 gene during very low calorie diet in obese subjects. <i>International Journal of Obesity</i> , <b>2000</b> , 24, 70-4	5.5	24
111	Regulation of energy metabolism and mitochondrial function in skeletal muscle during lipid overfeeding in healthy men. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, E1254-62	5.6	23
110	Metabolic outcome of female mice exposed to a mixture of low-dose pollutants in a diet-induced obesity model. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124015	3.7	23
109	Increased lipid peroxidation in LDL from type-2 diabetic patients. <i>Lipids</i> , <b>2010</b> , 45, 723-31	1.6	23
108	Regulation of gene expression during severe caloric restriction: lack of induction of p85 alpha phosphatidylinositol 3-kinase mRNA in skeletal muscle of patients with type II (non-insulin-dependent) diabetes mellitus. <i>Diabetologia</i> , <b>2000</b> , 43, 356-63	10.3	23
107	Low-dose pollutant mixture triggers metabolic disturbances in female mice leading to common and specific features as compared to a high-fat diet. <i>Journal of Nutritional Biochemistry</i> , <b>2017</b> , 45, 83-93	6.3	22
106	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
105	Influence of thyroid hormones on gluconeogenesis from glycerol in rat hepatocytes: a dose-response study. <i>Metabolism: Clinical and Experimental</i> , <b>1990</b> , 39, 259-63	12.7	22
104	Gut microbiota and probiotic intervention as a promising therapeutic for pregnant women with cardiometabolic disorders: Present and future directions. <i>Pharmacological Research</i> , <b>2019</b> , 145, 104252	10.2	21
103	Regulation of leptin, adiponectin and acylation-stimulating protein by hyperinsulinaemia and hyperglycaemia in vivo in healthy lean young men. <i>Diabetes and Metabolism</i> , <b>2008</b> , 34, 334-42	5.4	21
102	Insulin regulation of gene expression and concentrations of white adipose tissue-derived proteins in vivo in healthy men: relation to adiponutrin. <i>Journal of Endocrinology</i> , <b>2006</b> , 191, 427-35	4.7	21
101	Leptin pulsatility in formerly obese women. <i>FASEB Journal</i> , <b>2005</b> , 19, 1380-2	0.9	21
100	Pasture v. standard dairy cream in high-fat diet-fed mice: improved metabolic outcomes and stronger intestinal barrier. <i>British Journal of Nutrition</i> , <b>2014</b> , 112, 520-35	3.6	20
99	Nutritionally induced changes in the peroxisome proliferator-activated receptor-alpha gene expression in liver of suckling rats are dependent on insulinaemia. <i>Archives of Biochemistry and Biophysics</i> , <b>2001</b> , 394, 182-8	4.1	20

98	Glucose Transport and Glucose 6-Phosphate Hydrolysis in Intact Rat Liver Microsomes. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 21092-21097	5.4	20
97	Interactions of glucagon and free fatty acids with insulin in control of glucose metabolism. <i>Metabolism: Clinical and Experimental</i> , <b>1990</b> , 39, 976-84	12.7	20
96	Effect of physiological concentrations of insulin and glucagon on the relationship between nonesterified fatty acids availability and ketone body production in humans. <i>Metabolism: Clinical and Experimental</i> , <b>1991</b> , 40, 1138-46	12.7	20
95	Salivary composition in obese vs normal-weight subjects: towards a role in postprandial lipid metabolism?. <i>International Journal of Obesity</i> , <b>2015</b> , 39, 1425-8	5.5	19
94	Protein acetylation mechanisms in the regulation of insulin and insulin-like growth factor 1 signalling. <i>Molecular and Cellular Endocrinology</i> , <b>2012</b> , 362, 1-10	4.4	19
93	Limonoid compounds inhibit sphingomyelin biosynthesis by preventing CERT protein-dependent extraction of ceramides from the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 24397-411 <sup>19</sup>	5.4	19
92	Adipocyte membrane phospholipids and PPAR-gamma expression in obese women: relationship to hyperinsulinemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2000</b> , 279, E736-43	6	19
91	Gut Microbiome and Space Travelers' Health: State of the Art and Possible Pro/Prebiotic Strategies for Long-Term Space Missions. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 553929	4.6	19
90	Abdominal adipocyte populations in women with visceral obesity. <i>European Journal of Endocrinology</i> , <b>2016</b> , 174, 227-39	6.5	18
89	Clustering biological annotations and gene expression data to identify putatively co-regulated biological processes. <i>Journal of Bioinformatics and Computational Biology</i> , <b>2006</b> , 4, 833-52	1	18
88	Expression of the splice variants of the p85 $\beta$ regulatory subunit of phosphoinositide 3-kinase in muscle and adipose tissue of healthy subjects and type 2 diabetic patients. <i>Biochemical Journal</i> , <b>2001</b> , 360, 117-126	3.8	18
87	Regulation of p85 $\alpha$ phosphatidylinositol-3-kinase expression by peroxisome proliferator-activated receptors (PPARs) in human muscle cells. <i>FEBS Letters</i> , <b>2001</b> , 502, 98-102	3.8	18
86	Effect of a diet containing folate and hazelnut oil capsule on the methylation level of the gene, lipid profile and oxidative stress in overweight or obese women. <i>Clinical Epigenetics</i> , <b>2017</b> , 9, 110	7.7	17
85	Distal Colon Motor Dysfunction in Mice with Chronic Kidney Disease: Putative Role of Uremic Toxins. <i>Toxins</i> , <b>2018</b> , 10,	4.9	17
84	Nicotinic acid effects on insulin sensitivity and hepatic lipid metabolism: an in vivo to in vitro study. <i>Hormone and Metabolic Research</i> , <b>2014</b> , 46, 390-6	3.1	17
83	The expression of FTO in human adipose tissue is influenced by fat depot, adiposity, and insulin sensitivity. <i>Obesity</i> , <b>2013</b> , 21, 1165-73	8	17
82	Microarray analysis of genes with impaired insulin regulation in the skeletal muscle of type 2 diabetic patients indicates the involvement of basic helix-loop-helix domain-containing, class B, 2 protein (BHLHB2). <i>Diabetologia</i> , <b>2009</b> , 52, 1899-912	10.3	17
81	Decreased muscle acetyl-coenzyme A carboxylase 2 mRNA and insulin resistance in formerly obese subjects. <i>Obesity</i> , <b>2003</b> , 11, 1306-12		17

80	Subcutaneous adipose tissue expression of plasminogen activator inhibitor-1 (PAI-1) in nondiabetic and Type 2 diabetic subjects. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2000</b> , 16, 364-9	7.5	17
79	Acute accumulation of free cholesterol induces the degradation of perilipin 2 and Rab18-dependent fusion of ER and lipid droplets in cultured human hepatocytes. <i>Molecular Biology of the Cell</i> , <b>2016</b> , 27, 3293-3304	3.5	17
78	Adipocytes, like their progenitors, contribute to inflammation of adipose tissues through promotion of Th-17 cells and activation of monocytes, in obese subjects. <i>Adipocyte</i> , <b>2016</b> , 5, 275-82	3.2	16
77	Qualification of tropical fruit-derived <i>Lactobacillus plantarum</i> strains as potential probiotics acting on blood glucose and total cholesterol levels in Wistar rats. <i>Food Research International</i> , <b>2019</b> , 124, 109-117	7.1	16
76	Expression of insulin target genes in skeletal muscle and adipose tissue in adult patients with growth hormone deficiency: effect of one year recombinant human growth hormone therapy. <i>Journal of Endocrinology</i> , <b>2001</b> , 171, 285-92	4.7	16
75	Effect of maternal dyslipidaemia on the cardiorespiratory physiology and biochemical parameters in male rat offspring. <i>British Journal of Nutrition</i> , <b>2017</b> , 118, 930-941	3.6	15
74	Molecular mechanisms of diabetes reversibility after bariatric surgery. <i>International Journal of Obesity</i> , <b>2007</b> , 31, 1429-36	5.5	15
73	Insulin sensitisation affects lipoprotein lipase transport in type 2 diabetes: role of adipose tissue and skeletal muscle in response to rosiglitazone. <i>Diabetologia</i> , <b>2006</b> , 49, 2412-8	10.3	15
72	WY-14643 and 9- cis-retinoic acid induce IRS-2/PI 3-kinase signalling pathway and increase glucose transport in human skeletal muscle cells: differential effect in myotubes from healthy subjects and Type 2 diabetic patients. <i>Diabetologia</i> , <b>2004</b> , 47, 1314-23	10.3	15
71	Lack of skeletal muscle uncoupling protein 2 and 3 mRNA induction during fasting in type-2 diabetic subjects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1999</b> , 277, E830-7	6	15
70	Age-Related Differences in Messenger Ribonucleic Acid Expression of Key Proteins Involved in Adipose Cell Differentiation and Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 828-833	5.6	15
69	Human monocyte-derived dendritic cells turn into foamy dendritic cells with IL-17A. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1110-22	6.3	14
68	Magnetic resonance imaging biomarkers of exercise-induced improvement of oxidative stress and inflammation in the brain of old high-fat-fed ApoE mice. <i>Journal of Physiology</i> , <b>2016</b> , 594, 6969-6985	3.9	14
67	Metabolic impacts of high dietary exposure to persistent organic pollutants in mice. <i>Toxicology Letters</i> , <b>2012</b> , 215, 8-15	4.4	14
66	Effects of docosahexaenoic acid on some megakaryocytic cell gene expression of some enzymes controlling prostanoid synthesis. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 372, 924-8 <sup>3,4</sup>	8.4	14
65	Gender differences in transcriptional signature of developing rat testes and ovaries following embryonic exposure to 2,3,7,8-TCDD. <i>PLoS ONE</i> , <b>2012</b> , 7, e40306	3.7	14
64	Gene network analysis leads to functional validation of pathways linked to cancer cell growth and survival. <i>Biotechnology Journal</i> , <b>2012</b> , 7, 1395-404	5.6	13
63	Triglyceridemia and peroxisome proliferator-activated receptor-alpha expression are not connected in fenofibrate-treated pregnant rats. <i>Molecular and Cellular Biochemistry</i> , <b>2005</b> , 273, 97-107	4.2	13



62	Expression of the splice variants of the p85alpha regulatory subunit of phosphoinositide 3-kinase in muscle and adipose tissue of healthy subjects and type 2 diabetic patients. <i>Biochemical Journal</i> , <b>2001</b> , 360, 117-26	3.8	13
61	Cloning and expression of novel isoforms of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase from bovine heart. <i>FEBS Letters</i> , <b>1993</b> , 330, 329-33	3.8	13
60	Metallothionein 2a gene expression is increased in subcutaneous adipose tissue of type 2 diabetic patients. <i>Molecular Genetics and Metabolism</i> , <b>2013</b> , 108, 90-4	3.7	12
59	Emulsifying dietary fat modulates postprandial endotoxemia associated with chylomicronemia in obese men: a pilot randomized crossover study. <i>Lipids in Health and Disease</i> , <b>2017</b> , 16, 97	4.4	12
58	Insulin-dependent transcriptional control in L6 rat myotubes is associated with modulation of histone acetylation and accumulation of the histone variant H2A.Z in the proximity of the transcriptional start site. <i>Biochemistry and Cell Biology</i> , <b>2014</b> , 92, 61-7	3.6	12
57	C3, hormone-sensitive lipase, and peroxisome proliferator-activated receptor gamma expression in adipose tissue of familial combined hyperlipidemia patients. <i>Metabolism: Clinical and Experimental</i> , <b>2002</b> , 51, 664-70	12.7	12
56	Metabolomics reveals differential metabolic adjustments of normal and overweight subjects during overfeeding. <i>Metabolomics</i> , <b>2015</b> , 11, 920-938	4.7	10
55	Lifelong consumption of low-dosed food pollutants and metabolic health. <i>Journal of Epidemiology and Community Health</i> , <b>2015</b> , 69, 512-5	5.1	10
54	Increasing fat content from 20 to 45 wt% in a complex diet induces lower endotoxemia in parallel with an increased number of intestinal goblet cells in mice. <i>Nutrition Research</i> , <b>2015</b> , 35, 346-56	4	10
53	Short-term activation of peroxysome proliferator-activated receptor beta/delta increases fatty acid oxidation but does not restore insulin action in muscle cells from type 2 diabetic patients. <i>Journal of Molecular Medicine</i> , <b>2006</b> , 84, 747-52	5.5	10
52	WJL administration during pregnancy and lactation improves lipid profile, insulin sensitivity and gut microbiota diversity in dyslipidemic dams and protects male offspring against cardiovascular dysfunction in later life. <i>Food and Function</i> , <b>2020</b> , 11, 8939-8950	6.1	10
51	Exercise Does Not Protect against Peripheral and Central Effects of a High Cholesterol Diet Given in Old ApoE Mice. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 453	4.6	10
50	Maternal dyslipidemia during pregnancy and lactation increases blood pressure and disrupts cardiorespiratory and glucose hemostasis in female rat offspring. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2019</b> , 44, 925-936	3	10
49	Chronic exposure to a pollutant mixture at low doses led to tissue-specific metabolic alterations in male mice fed standard and high-fat high-sucrose diet. <i>Chemosphere</i> , <b>2019</b> , 220, 1187-1199	8.4	10
48	Evidence for estrogeno-mimetic effects of a mixture of low-dose pollutants in a model of ovariectomized mice. <i>Environmental Toxicology and Pharmacology</i> , <b>2018</b> , 57, 34-40	5.8	10
47	Adipose tissue gene expression in patients with a loss of function mutation in the leptin receptor. <i>International Journal of Obesity</i> , <b>2002</b> , 26, 1533-8	5.5	9
46	Changes in fat mass influence SREBP-1c and UCP-2 gene expression in formerly obese subjects. <i>Obesity</i> , <b>2005</b> , 13, 567-73		9
45	Expression and regulation by insulin of low-density lipoprotein receptor-related protein mRNA in human skeletal muscle. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2002</b> , 1588, 226-31	6.9	9



44	Fructose overfeeding in first-degree relatives of type 2 diabetic patients impacts energy metabolism and mitochondrial functions in skeletal muscle. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 2691-2699	5.9	9
43	Metabolic Phenotyping of Adipose-Derived Stem Cells Reveals a Unique Signature and Intrinsic Differences between Fat Pads. <i>Stem Cells International</i> , <b>2019</b> , 2019, 9323864	5	8
42	Dysregulation of sirtuins and key metabolic genes in skeletal muscle of pigs with spontaneous intrauterine growth restriction is associated with alterations of circulating IGF-1. <i>General and Comparative Endocrinology</i> , <b>2016</b> , 232, 76-85	3	8
41	Enhanced metabolic cycling in subjects after colonic resection for ulcerative colitis. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 2747-54	5.6	8
40	Transcriptome profiling in response to adiponectin in human cancer-derived cells. <i>Physiological Genomics</i> , <b>2010</b> , 42A, 61-70	3.6	7
39	Quantification of lipid-related mRNAs by reverse transcription-competitive polymerase chain reaction in human white adipose tissue biopsies. <i>Methods in Molecular Biology</i> , <b>2001</b> , 155, 83-8	1.4	7
38	Importance of substrate changes in the decrease of hepatic glucose cycling during insulin infusion and declining glycemia in the depancreatized dog. <i>Diabetes</i> , <b>1994</b> , 43, 1284-90	0.9	7
37	Regulation of insulin receptor mRNA splicing in rat tissues. Effect of fasting, aging, and diabetes. <i>Diabetes</i> , <b>1995</b> , 44, 1196-1201	0.9	7
36	White adipose tissue resilience to insulin deprivation and replacement. <i>PLoS ONE</i> , <b>2014</b> , 9, e106214	3.7	6
35	Rapid down-regulation of mitochondrial fat metabolism in human muscle after training cessation is dissociated from changes in insulin sensitivity. <i>FEBS Letters</i> , <b>2009</b> , 583, 2927-33	3.8	6
34	Hormonal control of glucose production and pyruvate kinase activity in isolated rat liver cells: influence of hypothyroidism. <i>Molecular and Cellular Endocrinology</i> , <b>1987</b> , 50, 247-53	4.4	6
33	Phosphorylation- and ligand-induced conformational changes of rat liver fructose-1,6-bisphosphatase. <i>Archives of Biochemistry and Biophysics</i> , <b>1986</b> , 248, 604-11	4.1	6
32	High expression of CPT1b in skeletal muscle in metabolically healthy older subjects. <i>Diabetes and Metabolism</i> , <b>2019</b> , 45, 152-159	5.4	6
31	IL-17A contributes to propagation of inflammation but does not impair adipogenesis and/or insulin response, in adipose tissue of obese individuals. <i>Cytokine</i> , <b>2020</b> , 126, 154865	4	6
30	Exposure to pollutants altered glucocorticoid signaling and clock gene expression in female mice. Evidence of tissue- and sex-specificity. <i>Chemosphere</i> , <b>2021</b> , 262, 127841	8.4	6
29	Omega-3 Polyunsaturated Fatty Acids Inhibit IL-17A Secretion through Decreased ICAM-1 Expression in T Cells Co-Cultured with Adipose-Derived Stem Cells Harvested from Adipose Tissues of Obese Subjects. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1801148	5.9	5
28	Interaction of mannose-6-phosphate with the hysteretic transition in glucose-6-phosphate hydrolysis in intact liver microsomes. <i>FEBS Letters</i> , <b>1992</b> , 302, 197-200	3.8	5
27	Effect of growth hormone deficiency on hormonal control of hepatic glycogenolysis in hypophysectomized rat. <i>Metabolism: Clinical and Experimental</i> , <b>1993</b> , 42, 631-7	12.7	5

26	Milk polar lipids favorably alter circulating and intestinal ceramide and sphingomyelin species in postmenopausal women. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	5
25	Maternal physical activity-induced adaptive transcriptional response in brain and placenta of mothers and rat offspring. <i>Journal of Developmental Origins of Health and Disease</i> , <b>2020</b> , 11, 108-117	2.4	5
24	Sex-specific metabolic alterations induced by environmental pollutants. <i>Current Opinion in Toxicology</i> , <b>2018</b> , 8, 1-7	4.4	5
23	Transcriptional response of skeletal muscle to a low protein perinatal diet in rat offspring at different ages: The role of key enzymes of glucose-fatty acid oxidation. <i>Journal of Nutritional Biochemistry</i> , <b>2017</b> , 41, 117-123	6.3	4
22	Adipose Tissue Expansion by Overfeeding Healthy Men Alters Iron Gene Expression. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 688-696	5.6	3
21	White Adipose Tissue Surface Expression of LDLR and CD36 is Associated with Risk Factors for Type 2 Diabetes in Adults with Obesity. <i>Obesity</i> , <b>2020</b> , 28, 2357-2367	8	3
20	Live and ultrasound-inactivated modulate the intestinal microbiota and improve biochemical and cardiovascular parameters in male rats fed a high-fat diet. <i>Food and Function</i> , <b>2021</b> , 12, 5287-5300	6.1	3
19	Saturated Fatty Acid-Enriched Diet-Impaired Mitochondrial Bioenergetics in Liver From Undernourished Rats During Critical Periods of Development. <i>Cells</i> , <b>2019</b> , 8,	7.9	2
18	Low level activity thresholds for changes in NMR biomarkers and genes in high risk subjects for Type 2 Diabetes. <i>Scientific Reports</i> , <b>2017</b> , 7, 11267	4.9	2
17	Fenofibrate reduces adiposity in pregnant and virgin rats but through different mechanisms. <i>BMB Reports</i> , <b>2009</b> , 42, 679-84	5.5	2
16	Obesity activates immunomodulating properties of mesenchymal stem cells in adipose tissue with differences between localizations. <i>FASEB Journal</i> , <b>2021</b> , 35, e21650	0.9	2
15	Metformin treatment for 8 days impacts multiple intestinal parameters in high-fat high-sucrose fed mice. <i>Scientific Reports</i> , <b>2021</b> , 11, 16684	4.9	2
14	Estrogen withdrawal and replacement differentially target liver and adipose tissues in female mice fed a high-fat high-sucrose diet: impact of a chronic exposure to a low-dose pollutant mixture. <i>Journal of Nutritional Biochemistry</i> , <b>2019</b> , 72, 108211	6.3	1
13	Postprandial Endotoxin Transporters LBP and sCD14 Differ in Obese vs. Overweight and Normal Weight Men during Fat-Rich Meal Digestion. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	1
12	Blood-derived miRNA levels are not correlated with metabolic or anthropometric parameters in obese pre-diabetic subjects but with systemic inflammation.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0263479	3.7	1
11	Fibroblast growth factor 19 as a countermeasure to muscle and locomotion dysfunctions in experimental cerebral palsy. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2021</b> ,	10.3	1
10	Adipose-Tissue-Derived Mesenchymal Stem Cells Mediate PD-L1 Overexpression in the White Adipose Tissue of Obese Individuals, Resulting in T Cell Dysfunction. <i>Cells</i> , <b>2021</b> , 10,	7.9	1
9	Effects of maternal low-protein diet and spontaneous physical activity on the transcription of neurotrophic factors in the placenta and the brains of mothers and offspring rats. <i>Journal of Developmental Origins of Health and Disease</i> , <b>2021</b> , 12, 505-512	2.4	1

8	Peroxisome proliferator activated receptor- $\alpha$ leptin and tumor necrosis factor- $\alpha$ mRNA expression during very low calorie diet in subcutaneous adipose tissue in obese women <b>1999</b> , 15, 92		1
7	Link between food and health: From gene expression to nutritional recommendations. <i>Food Quality and Preference</i> , <b>2009</b> , 20, 537-538	5.8	0
6	Effects of maternal protein restriction on central and peripheral renin-angiotensin systems in male rat offspring. <i>Life Sciences</i> , <b>2020</b> , 263, 118574	6.8	0
5	Gut Dysbiosis in Arterial Hypertension <b>2019</b> , 243-249		
4	Adaptive Changes in Human Adipose Tissue During Weight Gain <b>2013</b> , 317-327		
3	Alpha 2-adrenergic stimulation counteracts the metabolic effects of vasoactive intestinal peptide in isolated rat enterocytes. <i>Endocrinology</i> , <b>1989</b> , 124, 3117-21	4.8	
2	Genomic of Skeletal Muscle and its Implications in the Metabolic Syndrome <b>2005</b> , 153-161		
1	Involvement of glycated albumin in adipose-derived-stem cell-mediated interleukin 17 secreting T helper cell activation. <i>World Journal of Stem Cells</i> , <b>2020</b> , 12, 621-632	5.6	