Hubert Vidal

List of Publications by Year
in descending order

281 papers	22,836 citations	5261 83 h-index	10152 140 g-index
285 all docs	285 docs citations	285 times ranked	27719 citing authors

#	Article	IF	Citations
1	The Organization, Promoter Analysis, and Expression of the Human PPARÎ³ Gene. Journal of Biological Chemistry, 1997, 272, 18779-18789.	1.6	1,034
2	Elevated Levels of Interleukin 6 Are Reduced in Serum and Subcutaneous Adipose Tissue of Obese Women after Weight Loss*. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 3338-3342.	1.8	813
3	Mitofusin-2 Determines Mitochondrial Network Architecture and Mitochondrial Metabolism. Journal of Biological Chemistry, 2003, 278, 17190-17197.	1.6	740
4	Elevated Levels of Interleukin 6 Are Reduced in Serum and Subcutaneous Adipose Tissue of Obese Women after Weight Loss. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 3338-3342.	1.8	663
5	Mitochondrial dysfunction results from oxidative stress in the skeletal muscle of diet-induced insulin-resistant mice. Journal of Clinical Investigation, 2008, 118, 789-800.	3.9	657
6	Weight loss regulates inflammationâ€related genes in white adipose tissue of obese subjects. FASEB Journal, 2004, 18, 1657-1669.	0.2	569
7	<i>Lactobacillus plantarum</i> strain maintains growth of infant mice during chronic undernutrition. Science, 2016, 351, 854-857.	6.0	470
8	Association between altered expression of adipogenic factor SREBP1 in lipoatrophic adipose tissue from HIV-1-infected patients and abnormal adipocyte differentiation and insulin resistance. Lancet, The, 2002, 359, 1026-1031.	6.3	377
9	Insulin-sensitizing effects of dietary resistant starch and effects on skeletal muscle and adipose tissue metabolism. American Journal of Clinical Nutrition, 2005, 82, 559-567.	2.2	358
10	Insulin-sensitizing effects of dietary resistant starch and effects on skeletal muscle and adipose tissue metabolism. American Journal of Clinical Nutrition, 2005, 82, 559-567.	2.2	348
11	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 Â and Interleukin-6. Diabetes, 2005, 54, 2685-2693.	0.3	334
12	Persistent Organic Pollutant Exposure Leads to Insulin Resistance Syndrome. Environmental Health Perspectives, 2010, 118, 465-471.	2.8	326
13	Mitochondria-Associated Endoplasmic Reticulum Membrane (MAM) Integrity Is Required for Insulin Signaling and Is Implicated in Hepatic Insulin Resistance. Diabetes, 2014, 63, 3279-3294.	0.3	316
14	Increased uncoupling protein-2 and -3 mRNA expression during fasting in obese and lean humans.. Journal of Clinical Investigation, 1997, 100, 2665-2670.	3.9	309
15	Differences in mRNA expression of the proteins secreted by the adipocytes in human subcutaneous and visceral adipose tissues. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1500, 88-96.	1.8	278
16	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. Diabetes, 2003, 52, 1319-1325.	0.3	262
17	Treatment for 2 mo with nâˆ'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. American Journal of Clinical Nutrition, 2007, 86, 1670-1679.	2.2	258
18	Regulation by Insulin of Gene Expression in Human Skeletal Muscle and Adipose Tissue: Evidence for Specific Defects in Type 2 Diabetes. Diabetes, 2001, 50, 1134-1142.	0.3	250

#	ARTICLE	IF	CITATIONS
19	Five-Week, Low-Glycemic Index Diet Decreases Total Fat Mass and Improves Plasma Lipid Profile in Moderately Overweight Nondiabetic Men. Diabetes Care, 2002, 25, 822-828.	4.3	242
20	Emulsified lipids increase endotoxemia: possible role in early postprandial low-grade inflammation. Journal of Nutritional Biochemistry, 2011, 22, 53-59.	1.9	235
21	Dual Peroxisome Proliferatorâ€"Activated Receptor Î±/Î´ Agonist GFT505 Improves Hepatic and Peripheral Insulin Sensitivity in Abdominally Obese Subjects. Diabetes Care, 2013, 36, 2923-2930.	4.3	187
22	Increased hepatic lipogenesis but decreased expression of lipogenic gene in adipose tissue in human obesity. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E46-E51.	1.8	184
23	Alterations of insulin signaling in type 2 diabetes: A review of the current evidence from humans. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 83-92.	1.8	182
24	Microarray Profiling of Human Skeletal Muscle Reveals That Insulin Regulates âˆ¼800 Genes during a Hyperinsulinemic Clamp. Journal of Biological Chemistry, 2003, 278, 18063-18068.	1.6	173
25	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. Diabetes, 1997, 46, 1319-1327.	0.3	171
26	Myotube-derived exosomal miRNAs downregulate Sirtuin1 in myoblasts during muscle cell differentiation. Cell Cycle, 2014, 13, 78-89.	1.3	164
27	Claudin 11 Deficiency in Mice Results in Loss of the Sertoli Cell Epithelial Phenotype in the Testis1. Biology of Reproduction, 2010, 82, 202-213.	1.2	163
28	The expression of ob gene is not acutely regulated by insulin and fasting in human abdominal subcutaneous adipose tissue.. Journal of Clinical Investigation, 1996, 98, 251-255.	3.9	162
29	Suppressor of Cytokine Signaling 3 Expression and Insulin Resistance in Skeletal Muscle of Obese and Type 2 Diabetic Patients. Diabetes, 2004, 53, 2232-2241.	0.3	161
30	Fibroblast growth factor 19 regulates skeletal muscle mass and ameliorates muscle wasting in mice. Nature Medicine, 2017, 23, 990-996.	15.2	155
31	Resveratrol is a class IA phosphoinositide 3-kinase inhibitor. Biochemical Journal, 2007, 406, 511-518.	1.7	153
32	Exosomes participate in the alteration of muscle homeostasis during lipid-induced insulin resistance in mice. Diabetologia, 2014, 57, 2155-2164.	2.9	146
33	Prominent action of butyrate over Î²-hydroxybutyrate as histone deacetylase inhibitor, transcriptional modulator and anti-inflammatory molecule. Scientific Reports, 2019, 9, 742.	1.6	146
34	Treatment for 2 mo with nâˆ'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. American Journal of Clinical Nutrition, 2007, 86, 1670-1679.	2.2	146
35	Exosome-like vesicles released from lipid-induced insulin-resistant muscles modulate gene expression and proliferation of beta recipient cells in mice. Diabetologia, 2016, 59, 1049-1058.	2.9	144
36	Altered Fat Differentiation and Adipocytokine Expression are Inter-Related and Linked to Morphological Changes and Insulin Resistance in HIV-1-Infected Lipodystrophic Patients. Antiviral Therapy, 2004, 9, 555-564.	0.6	144

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37	Disruption of Mitochondria-Associated Endoplasmic Reticulum Membrane (MAM) Integrity Contributes to Muscle Insulin Resistance in Mice and Humans. Diabetes, 2018, 67, 636-650.	0.3	141
38	Expression of key genes of fatty acid oxidation, including adiponectin receptors, in skeletal muscle of Type 2 diabetic patients. Diabetologia, 2004, 47, 917-925.	2.9	136
39	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 Elementâ€"Binding Protein-1c/Myocyte Enhancer Factor 2C Pathway. Diabetes, 2009, 58, 2555-2564.	0.3	133
40	Oil composition of high-fat diet affects metabolic inflammation differently in connection with endotoxin receptors in mice. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E374-E386.	1.8	133
41	Proteomic Analysis of C2C12 Myoblast and Myotube Exosome-Like Vesicles: A New Paradigm for Myoblast-Myotube Cross Talk?. PLoS ONE, 2014, 9, e84153.	1.1	133
42	Mitochondria-associated endoplasmic reticulum membranes allow adaptation of mitochondrial metabolism to glucose availability in the liver. Journal of Molecular Cell Biology, 2016, 8, 129-143.	1.5	133
43	Impact of Gut Microbiota on Host Glycemic Control. Frontiers in Endocrinology, 2019, 10, 29.	1.5	133
44	Chronic Consumption of Farmed Salmon Containing Persistent Organic Pollutants Causes Insulin Resistance and Obesity in Mice. PLoS ONE, 2011, 6, e25170.	1.1	133
45	Regulation of Gene Expression by Activation of the Peroxisome Proliferator-Activated Receptor Î³ with Rosiglitazone (BRL 49653) in Human Adipocytes. Biochemical and Biophysical Research Communications, 1999, 265, 265-271.	1.0	131
46	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. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 4917-4923.	1.8	131
47	Adipose tissue gene expression in obese subjects during low-fat and high-fat hypocaloric diets. Diabetologia, 2005, 48, 123-131.	2.9	126
48	Apelin and APJ regulation in adipose tissue and skeletal muscle of type 2 diabetic mice and humans. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E1161-E1169.	1.8	126
49	Pathogenic Role of IL-17-Producing Immune Cells in Obesity, and Related Inflammatory Diseases. Journal of Clinical Medicine, 2017, 6, 68.	1.0	125
50	The Use of the Reverse Transcription-Competitive Polymerase Chain Reaction to Investigate the in VivoRegulation of Gene Expression in Small Tissue Samples. Analytical Biochemistry, 1997, 245, 141-148.	1.1	123
51	Subcutaneous Adipose Tissue Remodeling during the Initial Phase of Weight Gain Induced by Overfeeding in Humans. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E183-E192.	1.8	123
52	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. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 3626-3631.	1.8	122
53	Insulin acutely regulates the expression of the peroxisome proliferator-activated receptor-gamma in human adipocytes. Diabetes, 1999, 48, 699-705.	0.3	121
54	High protein intake reduces intrahepatocellular lipid deposition in humans. American Journal of Clinical Nutrition, 2009, 90, 1002-1010.	2.2	120

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55	Imeglimin Normalizes Glucose Tolerance and Insulin Sensitivity and Improves Mitochondrial Function in Liver of a High-Fat, High-Sucrose Diet Mice Model. Diabetes, 2015, 64, 2254-2264.	0.3	120
56	Eicosapentaenoic Acid Induces mRNA Expression of Peroxisome Proliferatorâ€Activated Receptor Î³. Obesity, 2002, 10, 518-525.	4.0	117
57	The Effect of a 3-Month Low-Intensity Endurance Training Program on Fat Oxidation and Acetyl-CoA Carboxylase-2 Expression. Diabetes, 2002, 51, 2220-2226.	0.3	115
58	Depot-specific differences in adipose tissue gene expression in lean and obese subjects. Diabetes, 1998, 47, 98-103.	0.3	115
59	Insulin activates human sterol-regulatory-element-binding protein-1c (SREBP-1c) promoter through SRE motifs. Biochemical Journal, 2006, 400, 179-188.	1.7	114
60	Disruption of calcium transfer from ER to mitochondria links alterations of mitochondria-associated ER membrane integrity to hepatic insulin resistance. Diabetologia, 2016, 59, 614-623.	2.9	114
61	Grape Polyphenols Prevent Fructose-Induced Oxidative Stress and Insulin Resistance in First-Degree Relatives of Type 2 Diabetic Patients. Diabetes Care, 2013, 36, 1454-1461.	4.3	113
62	Postprandial Endotoxemia Linked With Chylomicrons and Lipopolysaccharides Handling in Obese Versus Lean Men: A Lipid Dose-Effect Trial. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3427-3435.	1.8	112
63	Acute regulation by insulin of phosphatidylinositol-3-kinase, Rad, Glut 4, and lipoprotein lipase mRNA levels in human muscle.. Journal of Clinical Investigation, 1996, 98, 43-49.	3.9	111
64	Phosphoinositide 3-kinase as a novel functional target for the regulation of the insulin signaling pathway by SIRT1. Molecular and Cellular Endocrinology, 2011, 335, 166-176.	1.6	109
65	A role for adipocyte-derived lipopolysaccharide-binding protein in inflammation- and obesity-associated adipose tissue dysfunction. Diabetologia, 2013, 56, 2524-2537.	2.9	109
66	The effects of rosiglitazone on fatty acid and triglyceride metabolism in type 2 diabetes. Diabetologia, 2005, 48, 83-95.	2.9	106
67	Insulin-Sensitizing Effects on Muscle and Adipose Tissue after Dietary Fiber Intake in Men and Women with Metabolic Syndrome. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 3326-3332.	1.8	106
68	Triiodothyronineâ€mediated upregulation of UCP2 and UCP3 mRNA expression in human skeletal muscle without coordinated induction of mitochondrial respiratory chain genes. FASEB Journal, 2001, 15, 13-15.	0.2	105
69	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. Aids, 2003, 17, 1753-1762.	1.0	103
70	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. Diabetes Care, 1998, 21, 717-724.	4.3	102
71	Four-week low-glycemic index breakfast with a modest amount of soluble fibers in type 2 diabetic men. Metabolism: Clinical and Experimental, 2002, 51, 819-826.	1.5	102
72	TNF-Î±- and tumor-induced skeletal muscle atrophy involves sphingolipid metabolism. Skeletal Muscle, 2012, 2, 2.	1.9	102

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73	Modulating absorption and postprandial handling of dietary fatty acids by structuring fat in the meal: a randomized crossover clinical trial. American Journal of Clinical Nutrition, 2013, 97, 23-36.	2.2	99
74	Regulation of SREBP-1 expression and transcriptional action on HKII and FAS genes during fasting and refeeding in rat tissues. Journal of Lipid Research, 2005, 46, 697-705.	2.0	96
75	Regulation of Human Adipocyte Gene Expression by Thyroid Hormone. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 630-634.	1.8	95
76	Overfeeding increases postprandial endotoxemia in men: Inflammatory outcome may depend on LPS transporters LBP and sCD14. Molecular Nutrition and Food Research, 2014, 58, 1513-1518.	1.5	95
77	Gene expression in visceral and subcutaneous adipose tissues. Annals of Medicine, 2001, 33, 547-555.	1.5	93
78	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. Diabetes, 2011, 60, 258-268.	0.3	92
79	Isoform-specific defects of insulin stimulation of Akt/protein kinase B (PKB) in skeletal muscle cells from type 2 diabetic patients. Diabetologia, 2008, 51, 512-521.	2.9	91
80	Insulin Resistance is Associated with MCP1-Mediated Macrophage Accumulation in Skeletal Muscle in Mice and Humans. PLoS ONE, 2014, 9, e110653.	1.1	91
81	Endocrine disrupting chemicals in mixture and obesity, diabetes and related metabolic disorders. World Journal of Biological Chemistry, 2017, 8, 108.	1.7	90
82	Regional Variation in Plasminogen Activator Inhibitor-1 Expression in Adipose Tissue from Obese Individuals. Thrombosis and Haemostasis, 2000, 83, 545-548.	1.8	89
83	Adipose Tissueâ€"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. Diabetes, 2015, 64, 2477-2488.	0.3	89
84	Upper and Lower Body Adipose Tissue Function: A Direct Comparison of Fat Mobilization in Humans. Obesity, 2004, 12, 114-118.	4.0	85
85	Visceral Fat Accumulation During Lipid Overfeeding Is Related to Subcutaneous Adipose Tissue Characteristics in Healthy Men. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 802-810.	1.8	84
86	Plasma Acylation Stimulating Protein Concentration and Subcutaneous Adipose Tissue C3 mRNA Expression in Nondiabetic and Type 2 Diabetic Men. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1034-1039.	1.1	82
87	Fatty acid transport protein-1 mRNA expression in skeletal muscle and in adipose tissue in humans. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E1072-E1079.	1.8	81
88	Regulation of uncoupling protein-2 and uncoupling protein-3 mRNA expression during lipid infusion in human skeletal muscle and subcutaneous adipose tissue. Diabetes, 2000, 49, 25-31.	0.3	80
89	Human skeletal myotubes display a cell-autonomous circadian clock implicated in basal myokine secretion. Molecular Metabolism, 2015, 4, 834-845.	3.0	78
90	Effect of carbohydrate overfeeding on whole body macronutrient metabolism and expression of lipogenic enzymes in adipose tissue of lean and overweight humans. International Journal of Obesity, 2004, 28, 1291-1298.	1.6	77

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91	Adaptive Changes of the Insig1/SREBP1/SCD1 Set Point Help Adipose Tissue to Cope With Increased Storage Demands of Obesity. Diabetes, 2013, 62, 3697-3708.	0.3	76
92	Sterol Regulatory Element Binding Protein 1c (SREBPâ€1c) Expression in Human Obesity. Obesity, 2001, 9, 706-712.	4.0	73
93	Autophagy-regulating TP53INP2 mediates muscle wasting and is repressed in diabetes. Journal of Clinical Investigation, 2014, 124, 1914-1927.	3.9	72
94	Cloning and mRNA tissue distribution of human PPARÎ³ coactivator-1. International Journal of Obesity, 1999, 23, 1327-1332.	1.6	71
95	Calcium-Sensing Receptor Autoantibodies Are Relevant Markers of Acquired Hypoparathyroidism. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 4484-4488.	1.8	71
96	Nutritional intervention to reduce the nâˆ'6/nâˆ'3 fatty acid ratio increases adiponectin concentration and fatty acid oxidation in healthy subjects. European Journal of Clinical Nutrition, 2008, 62, 1287-1293.	1.3	71
97	Effect of Î²₁- and Î²₂-adrenergic stimulation on energy expenditure, substrate oxidation, and UCP3 expression in humans. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E775-E782.	1.8	70
98	A New Role for Sterol Regulatory Element Binding Protein 1 Transcription Factors in the Regulation of Muscle Mass and Muscle Cell Differentiation. Molecular and Cellular Biology, 2010, 30, 1182-1198.	1.1	70
99	The Regulation of Uncoupling Protein-2 Gene Expression by Ï‰-6 Polyunsaturated Fatty Acids in Human Skeletal Muscle Cells Involves Multiple Pathways, Including the Nuclear Receptor Peroxisome Proliferator-activated Receptor Î². Journal of Biological Chemistry, 2001, 276, 10853-10860.	1.6	69
100	Acute Hyperglycemia Induces a Global Downregulation of Gene Expression in Adipose Tissue and Skeletal Muscle of Healthy Subjects. Diabetes, 2007, 56, 992-999.	0.3	69
101	Contribution of Energy Restriction and Macronutrient Composition to Changes in Adipose Tissue Gene Expression during Dietary Weight-Loss Programs in Obese Women. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4315-4322.	1.8	69
102	Changes in adiponectin receptor expression in muscle and adipose tissue of type 2 diabetic patients during rosiglitazone therapy. Diabetologia, 2005, 48, 1585-1589.	2.9	68
103	Human Immunodeficiency Virus Protease Inhibitors Accumulate into Cultured Human Adipocytes and Alter Expression of Adipocytokines. Journal of Biological Chemistry, 2005, 280, 2238-2243.	1.6	68
104	Milk polar lipids reduce lipid cardiovascular risk factors in overweight postmenopausal women: towards a gut sphingomyelin-cholesterol interplay. Gut, 2020, 69, 487-501.	6.1	68
105	Gut microbiota and probiotics intervention: A potential therapeutic target for management of cardiometabolic disorders and chronic kidney disease?. Pharmacological Research, 2018, 130, 152-163.	3.1	66
106	Changes in adiponectin, its receptors and AMPK activity in tissues of diet-induced diabetic mice. Diabetes and Metabolism, 2008, 34, 52-61.	1.4	65
107	Daily intake of conjugated linoleic acid-enriched yoghurts: effects on energy metabolism and adipose tissue gene expression in healthy subjects. British Journal of Nutrition, 2007, 97, 273-280.	1.2	64
108	Microarray analyses of SREBP-1a and SREBP-1c target genes identify new regulatory pathways in muscle. Physiological Genomics, 2008, 34, 327-337.	1.0	63

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109	Acute and selective regulation of glyceroneogenesis and cytosolic phosphoenolpyruvate carboxykinase in adipose tissue by thiazolidinediones in type 2 diabetes. Diabetologia, 2007, 50, 666-675.	2.9	62
110	Tpl2 Kinase Is Upregulated in Adipose Tissue in Obesity and May Mediate Interleukin-1Î² and Tumor Necrosis Factor-Î± Effects on Extracellular Signalâ€“Regulated Kinase Activation and Lipolysis. Diabetes, 2010, 59, 61-70.	0.3	60
111	Environmental Pollutants and Metabolic Disorders: The Multi-Exposure Scenario of Life. Frontiers in Endocrinology, 2018, 9, 582.	1.5	60
112	Defective regulation of phosphatidylinositol-3-kinase gene expression in skeletal muscle and adipose tissue of non-insulin-dependent diabetes mellitus patients. Diabetologia, 1999, 42, 358-364.	2.9	59
113	Increased adipose tissue expression of Grb14 in several models of insulin resistance. FASEB Journal, 2004, 18, 965-967.	0.2	59
114	Adipose tissue transcriptome reflects variations between subjects with continued weight loss and subjects regaining weight 6 mo after caloric restriction independent of energy intake. American Journal of Clinical Nutrition, 2010, 92, 975-984.	2.2	59
115	Lowâ€dose food contaminants trigger sexâ€specific, hepatic metabolic changes in the progeny of obese mice. FASEB Journal, 2013, 27, 3860-3870.	0.2	57
116	Gut Microbiome and Space Travelersâ€™ Health: State of the Art and Possible Pro/Prebiotic Strategies for Long-Term Space Missions. Frontiers in Physiology, 2020, 11, 553929.	1.3	56
117	Subcutaneous adipose tissue expression of tumour necrosis factor-Î± is not associated with whole body insulin resistance in obese nondiabetic or in type-2 diabetic subjects. European Journal of Clinical Investigation, 2000, 30, 302-310.	1.7	55
118	Inhibition of xanthine oxidase reduces hyperglycemia-induced oxidative stress and improves mitochondrial alterations in skeletal muscle of diabetic mice. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E581-E591.	1.8	55
119	Jejunal Proteins Secreted by db/db Mice or Insulin-Resistant Humans Impair the Insulin Signaling and Determine Insulin Resistance. PLoS ONE, 2013, 8, e56258.	1.1	55
120	Intramyocitic lipid accumulation and SREBP-1c expression are related to insulin resistance and cardiovascular risk in morbid obesity. Atherosclerosis, 2003, 170, 155-161.	0.4	54
121	Activation of liver X receptors promotes lipid accumulation but does not alter insulin action in human skeletal muscle cells. Diabetologia, 2006, 49, 990-999.	2.9	54
122	Peroxisome proliferator activated receptor-Î³, leptin and tumor necrosis factor-Î± mRNA expression during very low calorie diet in subcutaneous adipose tissue in obese women. Diabetes/Metabolism Research and Reviews, 1999, 15, 92-98.	1.7	53
123	Effect of Carbohydrate Overfeeding on Whole Body and Adipose Tissue Metabolism in Humans. Obesity, 2003, 11, 1096-1103.	4.0	53
124	Reduced PDK4 Expression Associates with Increased Insulin Sensitivity in Postobese Patients. Obesity, 2003, 11, 176-182.	4.0	53
125	Effects of rosiglitazone on gene expression in subcutaneous adipose tissue in highly active antiretroviral therapy-associated lipodystrophy. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E941-E949.	1.8	53
126	Variations in plasma soluble tumour necrosis factor receptors after diet-induced weight loss in obesity. Diabetes, Obesity and Metabolism, 2000, 2, 323-326.	2.2	52

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127	Adiponutrin gene is regulated by insulin and glucose in human adipose tissue. European Journal of Endocrinology, 2006, 155, 461-468.	1.9	52
128	Sterol Regulatory Element-Binding Protein-1 Mediates the Effect of Insulin on Hexokinase II Gene Expression in Human Muscle Cells. Diabetes, 2004, 53, 321-329.	0.3	50
129	Determinants of Human Adipose Tissue Gene Expression: Impact of Diet, Sex, Metabolic Status, and Cis Genetic Regulation. PLoS Genetics, 2012, 8, e1002959.	1.5	48
130	FTO contributes to hepatic metabolism regulation through regulation of leptin action and STAT3 signalling in liver. Cell Communication and Signaling, 2014, 12, 4.	2.7	47
131	The effect of weight reduction on skeletal muscle UCP2 and UCP3 mRNA expression and UCP3 protein content in Type II diabetic subjects. Diabetologia, 2000, 43, 1408-1416.	2.9	46
132	The Eicosapentaenoic Acid Metabolite 15-Deoxy-Î´12,14-Prostaglandin J3 Increases Adiponectin Secretion by Adipocytes Partly via a PPARÎ³-Dependent Mechanism. PLoS ONE, 2013, 8, e63997.	1.1	45
133	The expression of the p85Î± subunit of phosphatidylinositol 3-Kinase is induced by activation of the peroxisome proliferator-activated receptor Î³ in human adipocytes. Diabetologia, 2001, 44, 544-554.	2.9	44
134	Interaction between hormone-sensitive lipase and ChREBP in fat cells controls insulin sensitivity. Nature Metabolism, 2019, 1, 133-146.	5.1	42
135	Prenatal Leptin Production: Evidence That Fetal Adipose Tissue Produces Leptin. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 2409-2413.	1.8	42
136	A â€œfutile cycleâ€•induced by thiazolidinediones in human adipose tissue?. Nature Medicine, 2003, 9, 811-812.	15.2	41
137	Reduction of endoplasmic reticulum stress using chemical chaperones or Grp78 overexpression does not protect muscle cells from palmitate-induced insulin resistance. Biochemical and Biophysical Research Communications, 2012, 417, 439-445.	1.0	41
138	New Insights on the Use of Dietary Polyphenols or Probiotics for the Management of Arterial Hypertension. Frontiers in Physiology, 2016, 7, 448.	1.3	41
139	The ubiquitin-proteasome pathway is a new partner for the control of insulin signaling. Current Opinion in Clinical Nutrition and Metabolic Care, 2004, 7, 249-254.	1.3	40
140	High-fat diet action on adiposity, inflammation, and insulin sensitivity depends on the control low-fat diet. Nutrition Research, 2013, 33, 952-960.	1.3	40
141	Gene expression profiling in peripheral blood cells of patients with rheumatoid arthritis in response to anti-TNF-Î± treatments. Physiological Genomics, 2011, 43, 365-371.	1.0	39
142	Changes in Gene Expression in Skeletal Muscle in Response to Fat Overfeeding in Lean Men. Obesity, 2007, 15, 2583-2594.	1.5	38
143	Comparative analysis of three human adipocyte size measurement methods and their relevance for cardiometabolic risk. Obesity, 2017, 25, 122-131.	1.5	38
144	Endoplasmic reticulum-mitochondria miscommunication is an early and causal trigger of hepatic insulin resistance and steatosis. Journal of Hepatology, 2022, 77, 710-722.	1.8	38

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145	Effect of thePro12AlaPolymorphism in the Peroxisome Proliferator-Activated Receptor (PPAR) Î³2 Gene on the Expression of PPARÎ³ Target Genes in Adipose Tissue of Massively Obese Subjects. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 1717-1722.	1.8	37
146	Dairy calcium supplementation in overweight or obese persons: its effect on markers of fat metabolism. American Journal of Clinical Nutrition, 2008, 88, 877-885.	2.2	36
147	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. American Journal of Clinical Nutrition, 2013, 98, 648-658.	2.2	36
148	Hormone sensitive lipase expression and adipose tissue metabolism show gender difference in obese subjects after weight loss. International Journal of Obesity, 2002, 26, 6-16.	1.6	35
149	Regulation of gene expression by glucose. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 518-522.	1.3	35
150	Maternal protein restriction inducedâ€hypertension is associated to oxidative disruption at transcriptional and functional levels in the medulla oblongata. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 1177-1184.	0.9	35
151	Phospholipase D regulates the size of skeletal muscle cells through the activation of mTOR signaling. Cell Communication and Signaling, 2013, 11, 55.	2.7	34
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