Javier Gomez-Ambrosi

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188 papers	9,348 citations	56 h-index	89 g-index
204 ext. papers	10,795 ext. citations	5 avg, IF	5.84 L-index

#	Paper	IF	Citations
188	The adipocyte: a model for integration of endocrine and metabolic signaling in energy metabolism regulation. *American Journal of Physiology - Endocrinology and Metabolism*, **2001**, 280, E827-47	6	578
187	Body mass index classification misses subjects with increased cardiometabolic risk factors related to elevated adiposity. *International Journal of Obesity*, **2012**, 36, 286-94	5.5	329
186	Targeting the circulating microRNA signature of obesity. *Clinical Chemistry*, **2013**, 59, 781-92	5.5	281
185	The relationship of serum osteocalcin concentration to insulin secretion, sensitivity, and disposal with hypocaloric diet and resistance training. *Journal of Clinical Endocrinology and Metabolism*, **2009** , 94, 237-45	5.6	223
184	Adipokine dysregulation and adipose tissue inflammation in human obesity. *European Journal of Clinical Investigation*, **2018**, 48, e12997	4.6	203
183	Insulin- and leptin-mediated control of aquaglyceroporins in human adipocytes and hepatocytes is mediated via the PI3K/Akt/mTOR signaling cascade. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, E586-97	5.6	160
182	Acylated and desacyl ghrelin stimulate lipid accumulation in human visceral adipocytes. *International Journal of Obesity*, **2009**, 33, 541-52	5.5	159
181	Body adiposity and type 2 diabetes: increased risk with a high body fat percentage even having a normal BMI. *Obesity*, **2011**, 19, 1439-44	8	156
180	Plasma osteopontin levels and expression in adipose tissue are increased in obesity. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 3719-27	5.6	152
179	Circulating omentin concentration increases after weight loss. *Nutrition and Metabolism*, **2010**, 7, 27	4.6	151
178	Executive functions profile in extreme eating/weight conditions: from anorexia nervosa to obesity. *PLoS ONE*, **2012**, 7, e43382	3.7	141
177	Increased adipose tissue expression of lipocalin-2 in obesity is related to inflammation and matrix metalloproteinase-2 and metalloproteinase-9 activities in humans. *Journal of Molecular Medicine*, **2009**, 87, 803-13	5.5	139
176	Proinflammatory cytokines in obesity: impact of type 2 diabetes mellitus and gastric bypass. *Obesity Surgery*, **2007**, 17, 1464-74	3.7	137
175	Gene expression profile of omental adipose tissue in human obesity. *FASEB Journal*, **2004**, 18, 215-7	0.9	136
174	Circulating betatrophin concentrations are decreased in human obesity and type 2 diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, E2004-9	5.6	133
173	The decrease in plasma ghrelin concentrations following bariatric surgery depends on the functional integrity of the fundus. *Obesity Surgery*, **2004**, 14, 606-12	3.7	133
172	Opposite alterations in FGF21 and FGF19 levels and disturbed expression of the receptor machinery for endocrine FGFs in obese patients. *International Journal of Obesity*, **2015**, 39, 121-9	5.5	129

171	Adiponectin-leptin ratio: A promising index to estimate adipose tissue dysfunction. Relation with obesity-associated cardiometabolic risk. *Adipocyte*, **2018**, 7, 57-62	3.2	128
170	Clinical usefulness of a new equation for estimating body fat. *Diabetes Care*, **2012**, 35, 383-8	14.6	119
169	Association of irisin with fat mass, resting energy expenditure, and daily activity in conditions of extreme body mass index. *International Journal of Endocrinology*, **2014**, 2014, 857270	2.7	117
168	The L-α-lysophosphatidylinositol/GPR55 system and its potential role in human obesity. *Diabetes*, **2012**, 61, 281-91	0.9	112
167	The bone-adipose axis in obesity and weight loss. *Obesity Surgery*, **2008**, 18, 1134-43	3.7	110
166	Fasting plasma ghrelin concentrations 6 months after gastric bypass are not determined by weight loss or changes in insulinemia. *Obesity Surgery*, **2004**, 14, 1208-15	3.7	106
165	Visceral and subcutaneous adiposity: are both potential therapeutic targets for tackling the metabolic syndrome?. *Current Pharmaceutical Design*, **2007**, 13, 2169-75	3.3	104
164	Leptin administration favors muscle mass accretion by decreasing FoxO3a and increasing PGC-1alpha in ob/ob mice. *PLoS ONE*, **2009**, 4, e6808	3.7	103
163	Aquaglyceroporins serve as metabolic gateways in adiposity and insulin resistance control. *Cell Cycle*, **2011**, 10, 1548-56	4.7	103
162	Involvement of the leptin-adiponectin axis in inflammation and oxidative stress in the metabolic syndrome. *Scientific Reports*, **2017**, 7, 6619	4.9	100
161	The inhibitory effect of leptin on angiotensin II-induced vasoconstriction in vascular smooth muscle cells is mediated via a nitric oxide-dependent mechanism. *Endocrinology*, **2007**, 148, 324-31	4.8	100
160	Lipolytic effect of in vivo leptin administration on adipocytes of lean and ob/ob mice, but not db/db mice. *Biochemical and Biophysical Research Communications*, **1998**, 250, 99-102	3.4	98
159	Increased cardiometabolic risk factors and inflammation in adipose tissue in obese subjects classified as metabolically healthy. *Diabetes Care*, **2014**, 37, 2813-21	14.6	97
158	Adipose tissue as an endocrine organ: role of leptin and adiponectin in the pathogenesis of cardiovascular diseases. *Journal of Physiology and Biochemistry*, **2003**, 59, 51-60	5	92
157	Validation of endogenous control genes in human adipose tissue: relevance to obesity and obesity-associated type 2 diabetes mellitus. *Hormone and Metabolic Research*, **2007**, 39, 495-500	3.1	87
156	Activation of noncanonical Wnt signaling through WNT5A in visceral adipose tissue of obese subjects is related to inflammation. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, E1407-17	5.6	85
155	Adipose tissue immunity and cancer. *Frontiers in Physiology*, **2013**, 4, 275	4.6	84
154	The gene expression of the main lipogenic enzymes is downregulated in visceral adipose tissue of obese subjects. *Obesity*, **2010**, 18, 13-20	8	84

153	Control of body weight: a physiologic and transgenic perspective. *Diabetologia*, **2003**, 46, 143-72	10.3	84
152	Leptin administration activates irisin-induced myogenesis via nitric oxide-dependent mechanisms, but reduces its effect on subcutaneous fat browning in mice. *International Journal of Obesity*, **2015**, 39, 397-407	5.5	82
151	Rationale for the existence of additional adipostatic hormones. *FASEB Journal*, **2001**, 15, 1996-2006	0.9	82
150	FGF19 and FGF21 serum concentrations in human obesity and type 2 diabetes behave differently after diet- or surgically-induced weight loss. *Clinical Nutrition*, **2017**, 36, 861-868	5.9	81
149	Involvement of leptin in the association between percentage of body fat and cardiovascular risk factors. *Clinical Biochemistry*, **2002**, 35, 315-20	3.5	79
148	Immunocytochemical detection of leptin in non-mammalian vertebrate stomach. *General and Comparative Endocrinology*, **2002**, 128, 149-52	3	78
147	Modulation of the leptin-induced white adipose tissue lipolysis by nitric oxide. *Cellular Signalling*, **2001**, 13, 827-33	4.9	78
146	Leptin-induced lipolysis opposes the tonic inhibition of endogenous adenosine in white adipocytes. *FASEB Journal*, **2001**, 15, 333-40	0.9	78
145	Increased levels of calprotectin in obesity are related to macrophage content: impact on inflammation and effect of weight loss. *Molecular Medicine*, **2011**, 17, 1157-67	6.2	77
144	Increased serum amyloid A concentrations in morbid obesity decrease after gastric bypass. *Obesity Surgery*, **2006**, 16, 262-9	3.7	77
143	Leptin inhibits angiotensin II-induced intracellular calcium increase and vasoconstriction in the rat aorta. *Endocrinology*, **2002**, 143, 3555-60	4.8	76
142	Mechanisms linking excess adiposity and carcinogenesis promotion. *Frontiers in Endocrinology*, **2014**, 5, 65	5.7	74
141	Complement factor H is expressed in adipose tissue in association with insulin resistance. *Diabetes*, **2010**, 59, 200-9	0.9	74
140	Expression of caveolin-1 in human adipose tissue is upregulated in obesity and obesity-associated type 2 diabetes mellitus and related to inflammation. *Clinical Endocrinology*, **2008**, 68, 213-9	3.4	69
139	The ghrelin O-acyltransferase-ghrelin system reduces TNF-□nduced apoptosis and autophagy in human visceral adipocytes. *Diabetologia*, **2012**, 55, 3038-50	10.3	68
138	Adiponectin-leptin Ratio is a Functional Biomarker of Adipose Tissue Inflammation. *Nutrients*, **2019**, 11,	6.7	60
137	Smell-taste dysfunctions in extreme weight/eating conditions: analysis of hormonal and psychological interactions. *Endocrine*, **2016**, 51, 256-67	4	58
136	Increased circulating and visceral adipose tissue expression levels of YKL-40 in obesity-associated type 2 diabetes are related to inflammation: impact of conventional weight loss and gastric bypass. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, 200-9	5.6	58

135	Influence of morbid obesity and insulin resistance on gene expression levels of AQP7 in visceral adipose tissue and AQP9 in liver. *Obesity Surgery*, **2008**, 18, 695-701	3.7	58
134	Involvement of serum vascular endothelial growth factor family members in the development of obesity in mice and humans. *Journal of Nutritional Biochemistry*, **2010**, 21, 774-80	6.3	57
133	Role of aquaporin-7 in the pathophysiological control of fat accumulation in mice. *FEBS Letters*, **2006**, 580, 4771-6	3.8	57
132	Obesity and prostate cancer: gene expression signature of human periprostatic adipose tissue. *BMC Medicine*, **2012**, 10, 108	11.4	56
131	Serum retinol-binding protein 4 is not increased in obesity or obesity-associated type 2 diabetes mellitus, but is reduced after relevant reductions in body fat following gastric bypass. *Clinical Endocrinology*, **2008**, 69, 208-15	3.4	56
130	Osteopontin deletion prevents the development of obesity and hepatic steatosis via impaired adipose tissue matrix remodeling and reduced inflammation and fibrosis in adipose tissue and liver in mice. *PLoS ONE*, **2014**, 9, e98398	3.7	55
129	Increased tenascin C and Toll-like receptor 4 levels in visceral adipose tissue as a link between inflammation and extracellular matrix remodeling in obesity. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, E1880-9	5.6	50
128	Increased levels of chemerin and its receptor, chemokine-like receptor-1, in obesity are related to inflammation: tumor necrosis factor-□stimulates mRNA levels of chemerin in visceral adipocytes from obese patients. *Surgery for Obesity and Related Diseases*, **2013**, 9, 306-14	3	49
127	Role of extracellular matrix remodelling in adipose tissue pathophysiology: relevance in the development of obesity. *Histology and Histopathology*, **2012**, 27, 1515-28	1.4	48
126	Up-regulation of the novel proinflammatory adipokines lipocalin-2, chitinase-3 like-1 and osteopontin as well as angiogenic-related factors in visceral adipose tissue of patients with colon cancer. *Journal of Nutritional Biochemistry*, **2011**, 22, 634-41	6.3	46
125	Peripheral signalling involved in energy homeostasis control. *Nutrition Research Reviews*, **2012**, 25, 223-48	7	45
124	Aquaporin-7 and glycerol permeability as novel obesity drug-target pathways. *Trends in Pharmacological Sciences*, **2006**, 27, 345-7	13.2	45
123	An increase in visceral fat is associated with a decrease in the taste and olfactory capacity. *PLoS ONE*, **2017**, 12, e0171204	3.7	43
122	Insulin resistance modulates iron-related proteins in adipose tissue. *Diabetes Care*, **2014**, 37, 1092-100	14.6	43
121	Ghrelin Reduces TNF-□nduced Human Hepatocyte Apoptosis, Autophagy, and Pyroptosis: Role in Obesity-Associated NAFLD. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 21-37	5.6	42
120	Leptin administration restores the altered adipose and hepatic expression of aquaglyceroporins improving the non-alcoholic fatty liver of ob/ob mice. *Scientific Reports*, **2015**, 5, 12067	4.9	42
119	Association of increased visfatin/PBEF/NAMPT circulating concentrations and gene expression levels in peripheral blood cells with lipid metabolism and fatty liver in human morbid obesity. *Nutrition, Metabolism and Cardiovascular Diseases*, **2011**, 21, 245-53	4.5	42
118	Impaired adiponectin-AMPK signalling in insulin-sensitive tissues of hypertensive rats. *Life Sciences*, **2008**, 83, 540-9	6.8	42

117	Adipokines in the treatment of diabetes mellitus and obesity. *Expert Opinion on Pharmacotherapy*, **2009**, 10, 239-54	4	41
116	Relationship between eating styles and temperament in an Anorexia Nervosa, Healthy Control, and Morbid Obesity female sample. *Appetite*, **2014**, 76, 76-83	4.5	40
115	Deletion of inducible nitric-oxide synthase in leptin-deficient mice improves brown adipose tissue function. *PLoS ONE*, **2010**, 5, e10962	3.7	40
114	Increased cardiovascular risk markers in obesity are associated with body adiposity: role of leptin. *Thrombosis and Haemostasis*, **2006**, 95, 991-6	7	39
113	Normalization of adiponectin concentrations by leptin replacement in ob/ob mice is accompanied by reductions in systemic oxidative stress and inflammation. *Scientific Reports*, **2017**, 7, 2752	4.9	37
112	Identification of liver proteins altered by type 2 diabetes mellitus in obese subjects. *Liver International*, **2012**, 32, 951-61	7.9	37
111	Leptin inhibits the proliferation of vascular smooth muscle cells induced by angiotensin II through nitric oxide-dependent mechanisms. *Mediators of Inflammation*, **2010**, 2010, 105489	4.3	36
110	Rapid in vivo PGC-1 mRNA upregulation in brown adipose tissue of Wistar rats by a beta(3)-adrenergic agonist and lack of effect of leptin. *Molecular and Cellular Endocrinology*, **2001**, 176, 85-90	4.4	35
109	Do resistin and resistin-like molecules also link obesity to inflammatory diseases?. *Annals of Internal Medicine*, **2001**, 135, 306-7	8	35
108	Circulating Betatrophin Levels Are Increased in Anorexia and Decreased in Morbidly Obese Women. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, E1188-96	5.6	34
107	Short-term effects of sleeve gastrectomy and caloric restriction on blood pressure in diet-induced obese rats. *Obesity Surgery*, **2012**, 22, 1481-90	3.7	34
106	Association of plasma acylated ghrelin with blood pressure and left ventricular mass in patients with metabolic syndrome. *Journal of Hypertension*, **2010**, 28, 560-7	1.9	34
105	Leptin expression in the rat ovary depends on estrous cycle. *Journal of Histochemistry and Cytochemistry*, **2003**, 51, 1269-77	3.4	34
104	Acylated and desacyl ghrelin are associated with hepatic lipogenesis, β-oxidation and autophagy: role in NAFLD amelioration after sleeve gastrectomy in obese rats. *Scientific Reports*, **2016**, 6, 39942	4.9	34
103	Peripheral mononuclear blood cells contribute to the obesity-associated inflammatory state independently of glycemic status: involvement of the novel proinflammatory adipokines chemerin, chitinase-3-like protein 1, lipocalin-2 and osteopontin. *Genes and Nutrition*, **2015**, 10, 460	4.3	33
102	Clinical usefulness of abdominal bioimpedance (ViScan) in the determination of visceral fat and its application in the diagnosis and management of obesity and its comorbidities. *Clinical Nutrition*, **2018**, 37, 580-589	5.9	33
101	Downregulation of G protein-coupled receptor kinase 2 levels enhances cardiac insulin sensitivity and switches on cardioprotective gene expression patterns. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 2448-56	6.9	33
100	The inhibitory effect of leptin on angiotensin II-induced vasoconstriction is blunted in spontaneously hypertensive rats. *Journal of Hypertension*, **2006**, 24, 1589-97	1.9	32

99	Altered Concentrations in Dyslipidemia Evidence a Role for ANGPTL8/Betatrophin in Lipid Metabolism in Humans. *Journal of Clinical Endocrinology and Metabolism*, **2016**, 101, 3803-3811	5.6	32
98	Expression of leptin and adiponectin in the rat oviduct. *Journal of Histochemistry and Cytochemistry*, **2007**, 55, 1027-37	3.4	30
97	NLRP3 inflammasome blockade reduces adipose tissue inflammation and extracellular matrix remodeling. *Cellular and Molecular Immunology*, **2021**, 18, 1045-1057	15.4	30
96	IPO8 and FBXL10: new reference genes for gene expression studies in human adipose tissue. *Obesity*, **2010**, 18, 897-903	8	29
95	Leptin administration downregulates the increased expression levels of genes related to oxidative stress and inflammation in the skeletal muscle of ob/ob mice. *Mediators of Inflammation*, **2010**, 2010, 784343	4.3	29
94	Guanylin and uroguanylin stimulate lipolysis in human visceral adipocytes. *International Journal of Obesity*, **2016**, 40, 1405-15	5.5	29
93	Targeting mitochondria to oppose the progression of nonalcoholic fatty liver disease. *Biochemical Pharmacology*, **2019**, 160, 34-45	6	29
92	Moderate-vigorous physical activity across body mass index in females: moderating effect of endocannabinoids and temperament. *PLoS ONE*, **2014**, 9, e104534	3.7	28
91	Expression of S6K1 in human visceral adipose tissue is upregulated in obesity and related to insulin resistance and inflammation. *Acta Diabetologica*, **2015**, 52, 257-66	3.9	27
90	Increased Interleukin-32 Levels in Obesity Promote Adipose Tissue Inflammation and Extracellular Matrix Remodeling: Effect of Weight Loss. *Diabetes*, **2016**, 65, 3636-3648	0.9	26
89	The obestatin receptor (GPR39) is expressed in human adipose tissue and is down-regulated in obesity-associated type 2 diabetes mellitus. *Clinical Endocrinology*, **2007**, 66, 598-601	3.4	26
88	Functional Relationship between Leptin and Nitric Oxide in Metabolism. *Nutrients*, **2019**, 11,	6.7	25
87	Targeted disruption of the iNOS gene improves adipose tissue inflammation and fibrosis in leptin-deficient ob/ob mice: role of tenascin C. *International Journal of Obesity*, **2018**, 42, 1458-1470	5.5	25
86	Study of caveolin-1 gene expression in whole adipose tissue and its subfractions and during differentiation of human adipocytes. *Nutrition and Metabolism*, **2010**, 7, 20	4.6	25
85	Evidence for the involvement of resistin in inflammation and cardiovascular disease. *Current Diabetes Reviews*, **2005**, 1, 227-34	2.7	25
84	Time-dependent effects of a high-energy-yielding diet on the regulation of specific white adipose tissue genes. *Biochemical and Biophysical Research Communications*, **2001**, 283, 6-11	3.4	25
83	Changes in Body Composition in Anorexia Nervosa: Predictors of Recovery and Treatment Outcome. *PLoS ONE*, **2015**, 10, e0143012	3.7	24
82	Circulating osteocalcin concentrations are associated with parameters of liver fat infiltration and increase in parallel to decreased liver enzymes after weight loss. *Osteoporosis International*, **2010**, 21, 2101-7	5.3	24

81	Reduced adipose tissue mass and hypoleptinemia in iNOS deficient mice: effect of LPS on plasma leptin and adiponectin concentrations. *FEBS Letters*, **2004**, 577, 351-6	3.8	24
80	Leptin, but not a beta 3-adrenergic agonist, upregulates muscle uncoupling protein-3 messenger RNA expression: short-term thermogenic interactions. *Cellular and Molecular Life Sciences*, **1999**, 55, 992-7	10.3	24
79	Modulation of Higher-Order Olfaction Components on Executive Functions in Humans. *PLoS ONE*, **2015**, 10, e0130319	3.7	24
78	Sleeve Gastrectomy Reduces Hepatic Steatosis by Improving the Coordinated Regulation of Aquaglyceroporins in Adipose Tissue and Liver in Obese Rats. *Obesity Surgery*, **2015**, 25, 1723-34	3.7	23
77	Six-transmembrane epithelial antigen of prostate 4 and neutrophil gelatinase-associated lipocalin expression in visceral adipose tissue is related to iron status and inflammation in human obesity. *European Journal of Nutrition*, **2013**, 52, 1587-95	5.2	23
76	Distinct impaired regulation of SOCS3 and long and short isoforms of the leptin receptor in visceral and subcutaneous fat of lean and obese women. *Biochemical and Biophysical Research Communications*, **2006**, 348, 1232-8	3.4	22
75	Leptin reduces the expression and increases the phosphorylation of the negative regulators of GLUT4 traffic TBC1D1 and TBC1D4 in muscle of ob/ob mice. *PLoS ONE*, **2012**, 7, e29389	3.7	22
74	Dissociation of body mass index, excess weight loss and body fat percentage trajectories after 3 years of gastric bypass: relationship with metabolic outcomes. *International Journal of Obesity*, **2017**, 41, 1379-1387	5.5	21
73	Liver, but not adipose tissue PEDF gene expression is associated with insulin resistance. *International Journal of Obesity*, **2013**, 37, 1230-7	5.5	21
72	Expression profile in omental and subcutaneous adipose tissue from lean and obese subjects. Repression of lipolytic and lipogenic genes. *Obesity Surgery*, **2011**, 21, 633-43	3.7	21
71	IL-32-induced inflammation constitutes a link between obesity and colon cancer. *OncoImmunology* , **2017**, 6, e1328338	7.2	20
70	Modulation of the Endocannabinoids N-Arachidonoylethanolamine (AEA) and 2-Arachidonoylglycerol (2-AG) on Executive Functions in Humans. *PLoS ONE*, **2013**, 8, e66387	3.7	20
69	Pre- and postprandial expression of the leptin receptor splice variants OB-Ra and OB-Rb in murine peripheral tissues. *Physiological Research*, **1999**, 48, 189-95	2.1	20
68	Role of PRDM16 in the activation of brown fat programming. Relevance to the development of obesity. *Histology and Histopathology*, **2013**, 28, 1411-25	1.4	19
67	Circulating ANGPTL8/Betatrophin Concentrations Are Increased After Surgically Induced Weight Loss, but Not After Diet-Induced Weight Loss. *Obesity Surgery*, **2016**, 26, 1881-9	3.7	18
66	Serum Amyloid A concentration is increased in obese children and adolescents. *Journal of Pediatrics* , **2008**, 153, 71-5	3.6	17
65	Influence of waist circumference on the metabolic risk associated with impaired fasting glucose: effect of weight loss after gastric bypass. *Obesity Surgery*, **2007**, 17, 585-91	3.7	17
64	Resistin and RELM-alpha gene expression in white adipose tissue of lactating mice. *Biochemical and Biophysical Research Communications*, **2002**, 296, 458-62	3.4	17

63	Sleeve gastrectomy induces weight loss in diet-induced obese rats even if high-fat feeding is continued. *Obesity Surgery*, **2011**, 21, 1438-43	3.7	16
62	Leptin, but not a □*Cellular and Molecular Life Sciences*, **1999**, 55, 992	10.3	16
61	Role of aquaporin-7 in ghrelin- and GLP-1-induced improvement of pancreatic □cell function after sleeve gastrectomy in obese rats. *International Journal of Obesity*, **2017**, 41, 1394-1402	5.5	15
60	Differential insulin receptor substrate-1 (IRS1)-related modulation of neuropeptide Y and proopiomelanocortin expression in nondiabetic and diabetic IRS2-/- mice. *Endocrinology*, **2012**, 153, 1129-40	4.8	15
59	Short- and long-term changes in gastric morphology and histopathology following sleeve gastrectomy in diet-induced obese rats. *Obesity Surgery*, **2012**, 22, 634-40	3.7	15
58	Transcriptional analysis of brown adipose tissue in leptin-deficient mice lacking inducible nitric oxide synthase: evidence of the role of Med1 in energy balance. *Physiological Genomics*, **2012**, 44, 678-88	3.6	15
57	Increase of the Adiponectin/Leptin Ratio in Patients with Obesity and Type 2 Diabetes after Roux-en-Y Gastric Bypass. *Nutrients*, **2019**, 11,	6.7	14
56	Sleeve gastrectomy reduces blood pressure in obese (fa/fa) Zucker rats. *Obesity Surgery*, **2012**, 22, 309-15	3.7	14
55	Physical activity in anorexia nervosa: How relevant is it to therapy response?. *European Psychiatry*, **2015**, 30, 924-31	6	14
54	Increased Obesity-Associated Circulating Levels of the Extracellular Matrix Proteins Osteopontin, Chitinase-3 Like-1 and Tenascin C Are Associated with Colon Cancer. *PLoS ONE*, **2016**, 11, e0162189	3.7	14
53	Novel protective role of kallistatin in obesity by limiting adipose tissue low grade inflammation and oxidative stress. *Metabolism: Clinical and Experimental*, **2018**, 87, 123-135	12.7	13
52	Comparative effects of gastric bypass and sleeve gastrectomy on plasma osteopontin concentrations in humans. *Surgical Endoscopy and Other Interventional Techniques*, **2014**, 28, 2412-20	5.2	13
51	Sleeve Gastrectomy Reduces Body Weight and Improves Metabolic Profile also in Obesity-Prone Rats. *Obesity Surgery*, **2016**, 26, 1537-48	3.7	11
50	Aquaporin-11 Contributes to TGF-□-Induced Endoplasmic Reticulum Stress in Human Visceral Adipocytes: Role in Obesity-Associated Inflammation. *Cells*, **2020**, 9,	7.9	11
49	RIP140 gene and protein expression levels are downregulated in visceral adipose tissue in human morbid obesity. *Obesity Surgery*, **2009**, 19, 771-6	3.7	11
48	Circulating GDF11 levels are decreased with age but are unchanged with obesity and type 2 diabetes. *Aging*, **2019**, 11, 1733-1744	5.6	11
47	Role of ghrelin isoforms in the mitigation of hepatic inflammation, mitochondrial dysfunction, and endoplasmic reticulum stress after bariatric surgery in rats. *International Journal of Obesity*, **2020**, 44, 475-487	5.5	11
46	Chronic central leptin infusion modulates the glycemia response to insulin administration in male rats through regulation of hepatic glucose metabolism. *Molecular and Cellular Endocrinology*, **2015**, 415, 157-72	4.4	10

45	FNDC4, a novel adipokine that reduces lipogenesis and promotes fat browning in human visceral adipocytes. *Metabolism: Clinical and Experimental*, **2020**, 108, 154261	12.7	10
44	Sleeve Gastrectomy Decreases Body Weight, Whole-Body Adiposity, and Blood Pressure Even in Aged Diet-Induced Obese Rats. *Obesity Surgery*, **2016**, 26, 1549-58	3.7	10
43	Disruption of the leptin-insulin relationship in obese men 24 hours after laparoscopic adjustable silicone gastric banding. *Obesity Surgery*, **2002**, 12, 366-71	3.7	10
42	Weight loss in tumour-bearing mice is not associated with changes in resistin gene expression in white adipose tissue. *Hormone and Metabolic Research*, **2002**, 34, 674-7	3.1	10
41	Divergent effects of an alpha2-adrenergic antagonist on lipolysis and thermogenesis: interactions with a beta3-adrenergic agonist in rats. *International Journal of Molecular Medicine*, **2001**, 8, 103-9	4.4	10
40	Effect of sleeve gastrectomy on osteopontin circulating levels and expression in adipose tissue and liver in rats. *Obesity Surgery*, **2014**, 24, 1702-8	3.7	9
39	Is hyperleptinemia involved in the development of age-related lens opacities?. *American Journal of Clinical Nutrition*, **2004**, 79, 888-9; author reply 889	7	9
38	A beta3-adrenergic agonist increases muscle GLUT1/GLUT4 ratio, and regulates liver glucose utilization in diabetic rats. *Diabetes, Obesity and Metabolism*, **1999**, 1, 97-104	6.7	9
37	Expression of syntaxin 8 in visceral adipose tissue is increased in obese patients with type 2 diabetes and related to markers of insulin resistance and inflammation. *Archives of Medical Research*, **2015**, 46, 47-53	6.6	8
36	Impact of adipokines and myokines on fat browning. *Journal of Physiology and Biochemistry*, **2020**, 76, 227-240	5	8
35	Dermatopontin, A Novel Adipokine Promoting Adipose Tissue Extracellular Matrix Remodelling and Inflammation in Obesity. *Journal of Clinical Medicine*, **2020**, 9,	5.1	8
34	FNDC4 and FNDC5 reduce SARS-CoV-2 entry points and spike glycoprotein S1-induced pyroptosis, apoptosis, and necroptosis in human adipocytes. *Cellular and Molecular Immunology*, **2021**, 18, 2457-2459	15.4	8
33	GLP-1 Limits Adipocyte Inflammation and Its Low Circulating Pre-Operative Concentrations Predict Worse Type 2 Diabetes Remission after Bariatric Surgery in Obese Patients. *Journal of Clinical Medicine*, **2019**, 8,	5.1	7
32	The increase in fiber size in male rat gastrocnemius after chronic central leptin infusion is related to activation of insulin signaling. *Molecular and Cellular Endocrinology*, **2018**, 470, 48-59	4.4	7
31	Cardiometabolic Profile Related to Body Adiposity Identifies Patients Eligible for Bariatric Surgery More Accurately than BMI. *Obesity Surgery*, **2015**, 25, 1594-603	3.7	7
30	Leptin therapy does not affect inflammatory markers. *Journal of Clinical Endocrinology and Metabolism*, **2005**, 90, 3803; author reply 3803	5.6	7
29	Perspectives in the therapeutic use of leptin. *Expert Opinion on Pharmacotherapy*, **2001**, 2, 1615-22	4	7
28	Gene Ablation Prevents Liver Fibrosis in Leptin-Deficient Mice. *Genes*, **2019**, 10,	4.2	6

27	Circulating Concentrations of GDF11 are Positively Associated with TSH Levels in Humans. *Journal of Clinical Medicine*, **2019**, 8,	5.1	6
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