

# Javier Gomez-Ambrosi

## List of Publications by Year in descending order

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196  
papers

12,183  
citations

18465

62  
h-index

30894

102  
g-index

204  
all docs

204  
docs citations

204  
times ranked

16604  
citing authors

#	ARTICLE	IF	CITATIONS
1	The adipocyte: a model for integration of endocrine and metabolic signaling in energy metabolism regulation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 280, E827-E847.	1.8	706
2	Body mass index classification misses subjects with increased cardiometabolic risk factors related to elevated adiposity. <i>International Journal of Obesity</i> , 2012, 36, 286-294.	1.6	427
3	Adipokine dysregulation and adipose tissue inflammation in human obesity. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12997.	1.7	408
4	Targeting the Circulating MicroRNA Signature of Obesity. <i>Clinical Chemistry</i> , 2013, 59, 781-792.	1.5	373
5	The Relationship of Serum Osteocalcin Concentration to Insulin Secretion, Sensitivity, and Disposal with Hypocaloric Diet and Resistance Training. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 237-245.	1.8	254
6	Adiponectin-leptin ratio: A promising index to estimate adipose tissue dysfunction. Relation with obesity-associated cardiometabolic risk. <i>Adipocyte</i> , 2018, 7, 57-62.	1.3	250
7	Body Adiposity and Type 2 Diabetes: Increased Risk With a High Body Fat Percentage Even Having a Normal BMI. <i>Obesity</i> , 2011, 19, 1439-1444.	1.5	202
8	Insulin- and Leptin-Mediated Control of Aquaglyceroporins in Human Adipocytes and Hepatocytes Is Mediated via the PI3K/Akt/mTOR Signaling Cascade. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E586-E597.	1.8	195
9	Acylated and desacyl ghrelin stimulate lipid accumulation in human visceral adipocytes. <i>International Journal of Obesity</i> , 2009, 33, 541-552.	1.6	189
10	Plasma Osteopontin Levels and Expression in Adipose Tissue Are Increased in Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 3719-3727.	1.8	183
11	Circulating omentin concentration increases after weight loss. <i>Nutrition and Metabolism</i> , 2010, 7, 27.	1.3	181
12	Executive Functions Profile in Extreme Eating/Weight Conditions: From Anorexia Nervosa to Obesity. <i>PLoS ONE</i> , 2012, 7, e43382.	1.1	180
13	Clinical Usefulness of a New Equation for Estimating Body Fat. <i>Diabetes Care</i> , 2012, 35, 383-388.	4.3	177
14	Increased adipose tissue expression of lipocalin-2 in obesity is related to inflammation and matrix metalloproteinase-2 and metalloproteinase-9 activities in humans. <i>Journal of Molecular Medicine</i> , 2009, 87, 803-813.	1.7	176
15	Proinflammatory Cytokines in Obesity: Impact of Type 2 Diabetes Mellitus and Gastric Bypass. <i>Obesity Surgery</i> , 2007, 17, 1464-1474.	1.1	165
16	Opposite alterations in FGF21 and FGF19 levels and disturbed expression of the receptor machinery for endocrine FGFs in obese patients. <i>International Journal of Obesity</i> , 2015, 39, 121-129.	1.6	165
17	Circulating Betatrophin Concentrations Are Decreased in Human Obesity and Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2004-E2009.	1.8	157
18	Gene expression profile of omental adipose tissue in human obesity. <i>FASEB Journal</i> , 2004, 18, 215-217.	0.2	155

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19	Association of Irisin with Fat Mass, Resting Energy Expenditure, and Daily Activity in Conditions of Extreme Body Mass Index. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-9.	0.6	151
20	The Decrease in Plasma Ghrelin Concentrations following Bariatric Surgery Depends on the Functional Integrity of the Fundus. <i>Obesity Surgery</i> , 2004, 14, 606-612.	1.1	150
21	Involvement of the leptin-adiponectin axis in inflammation and oxidative stress in the metabolic syndrome. <i>Scientific Reports</i> , 2017, 7, 6619.	1.6	140
22	Adiponectin-leptin Ratio is a Functional Biomarker of Adipose Tissue Inflammation. <i>Nutrients</i> , 2019, 11, 454.	1.7	139
23	The $\alpha$ -Lysophosphatidylinositol GPR55 System and Its Potential Role in Human Obesity. <i>Diabetes</i> , 2012, 61, 281-291.	0.3	134
24	The Bone-Adipose Axis in Obesity and Weight Loss. <i>Obesity Surgery</i> , 2008, 18, 1134-1143.	1.1	133
25	FGF19 and FGF21 serum concentrations in human obesity and type 2 diabetes behave differently after diet- or surgically-induced weight loss. <i>Clinical Nutrition</i> , 2017, 36, 861-868.	2.3	123
26	Visceral and Subcutaneous Adiposity: Are Both Potential Therapeutic Targets for Tackling the Metabolic Syndrome?. <i>Current Pharmaceutical Design</i> , 2007, 13, 2169-2175.	0.9	120
27	Aquaglyceroporins serve as metabolic gateways in adiposity and insulin resistance control. <i>Cell Cycle</i> , 2011, 10, 1548-1556.	1.3	119
28	Adipose tissue immunity and cancer. <i>Frontiers in Physiology</i> , 2013, 4, 275.	1.3	119
29	Leptin Administration Favors Muscle Mass Accretion by Decreasing FoxO3a and Increasing PGC-1 $\alpha$ in ob/ob Mice. <i>PLoS ONE</i> , 2009, 4, e6808.	1.1	118
30	Increased Cardiometabolic Risk Factors and Inflammation in Adipose Tissue in Obese Subjects Classified as Metabolically Healthy. <i>Diabetes Care</i> , 2014, 37, 2813-2821.	4.3	116
31	Fasting Plasma Ghrelin Concentrations 6 Months after Gastric Bypass are not Determined by Weight Loss or Changes in Insulinemia. <i>Obesity Surgery</i> , 2004, 14, 1208-1215.	1.1	113
32	The Inhibitory Effect of Leptin on Angiotensin II-Induced Vasoconstriction in Vascular Smooth Muscle Cells Is Mediated via a Nitric Oxide-Dependent Mechanism. <i>Endocrinology</i> , 2007, 148, 324-331.	1.4	110
33	Mechanisms Linking Excess Adiposity and Carcinogenesis Promotion. <i>Frontiers in Endocrinology</i> , 2014, 5, 65.	1.5	110
34	Lipolytic Effect of in Vivo Leptin Administration on Adipocytes of Lean and ob/ob Mice, but Not db/db Mice. <i>Biochemical and Biophysical Research Communications</i> , 1998, 250, 99-102.	1.0	108
35	Increased Levels of Calprotectin in Obesity Are Related to Macrophage Content: Impact on Inflammation and Effect of Weight Loss. <i>Molecular Medicine</i> , 2011, 17, 1157-1167.	1.9	105
36	Adipose tissue as an endocrine organ: role of leptin and adiponectin in the pathogenesis of cardiovascular diseases. <i>Journal of Physiology and Biochemistry</i> , 2003, 59, 51-60.	1.3	103

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37	Control of body weight: a physiologic and transgenic perspective. <i>Diabetologia</i> , 2003, 46, 143-172.	2.9	102
38	Rationale for the existence of additional adipostatic hormones. <i>FASEB Journal</i> , 2001, 15, 1996-2006.	0.2	101
39	Modulation of the leptin-induced white adipose tissue lipolysis by nitric oxide. <i>Cellular Signalling</i> , 2001, 13, 827-833.	1.7	100
40	Involvement of leptin in the association between percentage of body fat and cardiovascular risk factors. <i>Clinical Biochemistry</i> , 2002, 35, 315-320.	0.8	99
41	The Gene Expression of the Main Lipogenic Enzymes is Downregulated in Visceral Adipose Tissue of Obese Subjects. <i>Obesity</i> , 2010, 18, 13-20.	1.5	99
42	Activation of Noncanonical Wnt Signaling Through WNT5A in Visceral Adipose Tissue of Obese Subjects Is Related to Inflammation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E1407-E1417.	1.8	98
43	Leptin administration activates irisin-induced myogenesis via nitric oxide-dependent mechanisms, but reduces its effect on subcutaneous fat browning in mice. <i>International Journal of Obesity</i> , 2015, 39, 397-407.	1.6	98
44	Leptin-induced lipolysis opposes the tonic inhibition of endogenous adenosine in white adipocytes. <i>FASEB Journal</i> , 2001, 15, 333-340.	0.2	97
45	Leptin Inhibits Angiotensin II-Induced Intracellular Calcium Increase and Vasoconstriction in the Rat Aorta. <i>Endocrinology</i> , 2002, 143, 3555-3560.	1.4	97
46	Validation of Endogenous Control Genes in Human Adipose Tissue: Relevance to Obesity and Obesity-associated Type 2 Diabetes Mellitus. <i>Hormone and Metabolic Research</i> , 2007, 39, 495-500.	0.7	97
47	The ghrelin O-acyltransferase-ghrelin system reduces TNF- $\alpha$ -induced apoptosis and autophagy in human visceral adipocytes. <i>Diabetologia</i> , 2012, 55, 3038-3050.	2.9	97
48	Immunocytochemical detection of leptin in non-mammalian vertebrate stomach. <i>General and Comparative Endocrinology</i> , 2002, 128, 149-152.	0.8	93
49	Increased Serum Amyloid A Concentrations in Morbid Obesity Decrease after Gastric Bypass. <i>Obesity Surgery</i> , 2006, 16, 262-269.	1.1	92
50	Complement Factor H Is Expressed in Adipose Tissue in Association With Insulin Resistance. <i>Diabetes</i> , 2010, 59, 200-209.	0.3	88
51	Expression of caveolin-1 in human adipose tissue is upregulated in obesity and obesity-associated type 2 diabetes mellitus and related to inflammation. <i>Clinical Endocrinology</i> , 2008, 68, 213-219.	1.2	86
52	Smell-taste dysfunctions in extreme weight/eating conditions: analysis of hormonal and psychological interactions. <i>Endocrine</i> , 2016, 51, 256-267.	1.1	82
53	NLRP3 inflammasome blockade reduces adipose tissue inflammation and extracellular matrix remodeling. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1045-1057.	4.8	81
54	Role of aquaporin-7 in the pathophysiological control of fat accumulation in mice. <i>FEBS Letters</i> , 2006, 580, 4771-4776.	1.3	74

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55	Obesity and prostate cancer: gene expression signature of human periprostatic adipose tissue. <i>BMC Medicine</i> , 2012, 10, 108.	2.3	74
56	Involvement of serum vascular endothelial growth factor family members in the development of obesity in mice and humans. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 774-780.	1.9	71
57	An increase in visceral fat is associated with a decrease in the taste and olfactory capacity. <i>PLoS ONE</i> , 2017, 12, e0171204.	1.1	70
58	Increased Tenascin C And Toll-Like Receptor 4 Levels in Visceral Adipose Tissue as a Link between Inflammation and Extracellular Matrix Remodeling in Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E1880-E1889.	1.8	69
59	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. <i>PLoS ONE</i> , 2014, 9, e98398.	1.1	68
60	Chrelin reduces TNF- $\alpha$ -induced human hepatocyte apoptosis, autophagy and pyroptosis: role in obesity-associated NAFLD. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 21-37.	1.8	67
61	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. <i>Clinical Endocrinology</i> , 2008, 69, 208-215.	1.2	66
62	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 200-209.	1.8	65
63	Influence of Morbid Obesity and Insulin Resistance on Gene Expression Levels of AQP7 in Visceral Adipose Tissue and AQP9 in Liver. <i>Obesity Surgery</i> , 2008, 18, 695-701.	1.1	64
64	Increased levels of chemerin and its receptor, chemokine-like receptor-1, in obesity are related to inflammation: tumor necrosis factor- $\alpha$ stimulates mRNA levels of chemerin in visceral adipocytes from obese patients. <i>Surgery for Obesity and Related Diseases</i> , 2013, 9, 306-314.	1.0	61
65	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. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 634-641.	1.9	57
66	Relationship between eating styles and temperament in an Anorexia Nervosa, Healthy Control, and Morbid Obesity female sample. <i>Appetite</i> , 2014, 76, 76-83.	1.8	57
67	Insulin Resistance Modulates Iron-Related Proteins in Adipose Tissue. <i>Diabetes Care</i> , 2014, 37, 1092-1100.	4.3	56
68	Role of extracellular matrix remodelling in adipose tissue pathophysiology: relevance in the development of obesity. <i>Histology and Histopathology</i> , 2012, 27, 1515-28.	0.5	55
69	Leptin administration restores the altered adipose and hepatic expression of aquaglyceroporins improving the non-alcoholic fatty liver of ob/ob mice. <i>Scientific Reports</i> , 2015, 5, 12067.	1.6	53
70	Aquaporin-7 and glycerol permeability as novel obesity drug-target pathways. <i>Trends in Pharmacological Sciences</i> , 2006, 27, 345-347.	4.0	52
71	Do Resistin and Resistin-Like Molecules Also Link Obesity to Inflammatory Diseases?. <i>Annals of Internal Medicine</i> , 2001, 135, 306.	2.0	52
72	Adipokines in the treatment of diabetes mellitus and obesity. <i>Expert Opinion on Pharmacotherapy</i> , 2009, 10, 239-254.	0.9	50

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73	Acylated and desacyl ghrelin are associated with hepatic lipogenesis, $\beta$ -oxidation and autophagy: role in NAFLD amelioration after sleeve gastrectomy in obese rats. <i>Scientific Reports</i> , 2016, 6, 39942.	1.6	50
74	Targeting mitochondria to oppose the progression of nonalcoholic fatty liver disease. <i>Biochemical Pharmacology</i> , 2019, 160, 34-45.	2.0	50
75	Peripheral signalling involved in energy homeostasis control. <i>Nutrition Research Reviews</i> , 2012, 25, 223-248.	2.1	49
76	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. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2010, 21, 245-53.	1.1	48
77	Time to Consider the "Exposome Hypothesis" in the Development of the Obesity Pandemic. <i>Nutrients</i> , 2022, 14, 1597.	1.7	48
78	Association of plasma acylated ghrelin with blood pressure and left ventricular mass in patients with metabolic syndrome. <i>Journal of Hypertension</i> , 2010, 28, 560-567.	0.3	47
79	Deletion of Inducible Nitric-Oxide Synthase in Leptin-Deficient Mice Improves Brown Adipose Tissue Function. <i>PLoS ONE</i> , 2010, 5, e10962.	1.1	46
80	Increased cardiovascular risk markers in obesity are associated with body adiposity: Role of leptin. <i>Thrombosis and Haemostasis</i> , 2006, 95, 991-996.	1.8	45
81	The obestatin receptor (GPR39) is expressed in human adipose tissue and is down-regulated in obesity-associated type 2 diabetes mellitus. <i>Clinical Endocrinology</i> , 2007, 66, 070215015809002-???	1.2	45
82	Normalization of adiponectin concentrations by leptin replacement in ob/ob mice is accompanied by reductions in systemic oxidative stress and inflammation. <i>Scientific Reports</i> , 2017, 7, 2752.	1.6	45
83	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. <i>Genes and Nutrition</i> , 2015, 10, 460.	1.2	44
84	Leptin Expression in the Rat Ovary Depends on Estrous Cycle. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 1269-1277.	1.3	43
85	Impaired adiponectin-AMPK signalling in insulin-sensitive tissues of hypertensive rats. <i>Life Sciences</i> , 2008, 83, 540-549.	2.0	43
86	Circulating Betatrophin Levels Are Increased in Anorexia and Decreased in Morbidly Obese Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E1188-E1196.	1.8	42
87	Targeted disruption of the iNOS gene improves adipose tissue inflammation and fibrosis in leptin-deficient ob/ob mice: role of tenascin C. <i>International Journal of Obesity</i> , 2018, 42, 1458-1470.	1.6	41
88	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. <i>Clinical Nutrition</i> , 2018, 37, 580-589.	2.3	41
89	Moderate-Vigorous Physical Activity across Body Mass Index in Females: Moderating Effect of Endocannabinoids and Temperament. <i>PLoS ONE</i> , 2014, 9, e104534.	1.1	41
90	Leptin Inhibits the Proliferation of Vascular Smooth Muscle Cells Induced by Angiotensin II through Nitric Oxide-Dependent Mechanisms. <i>Mediators of Inflammation</i> , 2010, 2010, 1-10.	1.4	40

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91	Short-Term Effects of Sleeve Gastrectomy and Caloric Restriction on Blood Pressure in Diet-Induced Obese Rats. <i>Obesity Surgery</i> , 2012, 22, 1481-1490.	1.1	40
92	Functional Relationship between Leptin and Nitric Oxide in Metabolism. <i>Nutrients</i> , 2019, 11, 2129.	1.7	40
93	Identification of liver proteins altered by type 2 diabetes mellitus in obese subjects. <i>Liver International</i> , 2012, 32, 951-961.	1.9	39
94	Downregulation of G protein-coupled receptor kinase 2 levels enhances cardiac insulin sensitivity and switches on cardioprotective gene expression patterns. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 2448-2456.	1.8	38
95	The inhibitory effect of leptin on angiotensin II-induced vasoconstriction is blunted in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2006, 24, 1589-1597.	0.3	37
96	Expression of S6K1 in human visceral adipose tissue is upregulated in obesity and related to insulin resistance and inflammation. <i>Acta Diabetologica</i> , 2015, 52, 257-266.	1.2	37
97	Guanylin and uroguanylin stimulate lipolysis in human visceral adipocytes. <i>International Journal of Obesity</i> , 2016, 40, 1405-1415.	1.6	37
98	Altered Concentrations in Dyslipidemia Evidence a Role for ANGPTL8/Betatrophin in Lipid Metabolism in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3803-3811.	1.8	37
99	Rapid in vivo PGC-1 mRNA upregulation in brown adipose tissue of Wistar rats by a $\beta$ <sup>3</sup> -adrenergic agonist and lack of effect of leptin. <i>Molecular and Cellular Endocrinology</i> , 2001, 176, 85-90.	1.6	36
100	Leptin Administration Downregulates the Increased Expression Levels of Genes Related to Oxidative Stress and Inflammation in the Skeletal Muscle of <i>ob/ob</i> Mice. <i>Mediators of Inflammation</i> , 2010, 2010, 1-15.	1.4	33
101	<i>IPO8</i> and <i>FBXL10</i> : New Reference Genes for Gene Expression Studies in Human Adipose Tissue. <i>Obesity</i> , 2010, 18, 897-903.	1.5	32
102	Study of caveolin-1 gene expression in whole adipose tissue and its subfractions and during differentiation of human adipocytes. <i>Nutrition and Metabolism</i> , 2010, 7, 20.	1.3	32
103	Increased Interleukin-32 Levels in Obesity Promote Adipose Tissue Inflammation and Extracellular Matrix Remodeling: Effect of Weight Loss. <i>Diabetes</i> , 2016, 65, 3636-3648.	0.3	31
104	Dissociation of body mass index, excess weight loss and body fat percentage trajectories after 3 years of gastric bypass: relationship with metabolic outcomes. <i>International Journal of Obesity</i> , 2017, 41, 1379-1387.	1.6	31
105	FNDC4, a novel adipokine that reduces lipogenesis and promotes fat browning in human visceral adipocytes. <i>Metabolism: Clinical and Experimental</i> , 2020, 108, 154261.	1.5	31
106	Evidence for the Involvement of Resistin in Inflammation and Cardiovascular Disease. <i>Current Diabetes Reviews</i> , 2005, 1, 227-234.	0.6	30
107	Expression of Leptin and Adiponectin in the Rat Oviduct. <i>Journal of Histochemistry and Cytochemistry</i> , 2007, 55, 1027-1037.	1.3	30
108	Changes in Body Composition in Anorexia Nervosa: Predictors of Recovery and Treatment Outcome. <i>PLoS ONE</i> , 2015, 10, e0143012.	1.1	30



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109	Role of ghrelin isoforms in the mitigation of hepatic inflammation, mitochondrial dysfunction, and endoplasmic reticulum stress after bariatric surgery in rats. <i>International Journal of Obesity</i> , 2020, 44, 475-487.	1.6	29
110	FNDC4 and FNDC5 reduce SARS-CoV-2 entry points and spike glycoprotein S1-induced pyroptosis, apoptosis, and necroptosis in human adipocytes. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2457-2459.	4.8	29
111	Modulation of the Endocannabinoids N-Arachidonylethanolamine (AEA) and 2-Arachidonoylglycerol (2-AG) on Executive Functions in Humans. <i>PLoS ONE</i> , 2013, 8, e66387.	1.1	29
112	Modulation of Higher-Order Olfaction Components on Executive Functions in Humans. <i>PLoS ONE</i> , 2015, 10, e0130319.	1.1	29
113	Novel protective role of kallistatin in obesity by limiting adipose tissue low grade inflammation and oxidative stress. <i>Metabolism: Clinical and Experimental</i> , 2018, 87, 123-135.	1.5	28
114	Increase of the Adiponectin/Leptin Ratio in Patients with Obesity and Type 2 Diabetes after Roux-en-Y Gastric Bypass. <i>Nutrients</i> , 2019, 11, 2069.	1.7	28
115	Role of PRDM16 in the activation of brown fat programming. Relevance to the development of obesity. <i>Histology and Histopathology</i> , 2013, 28, 1411-25.	0.5	28
116	Leptin, but not a $\beta$ -adrenergic agonist, upregulates muscle uncoupling protein-3 messenger RNA expression: short-term thermogenic interactions. <i>Cellular and Molecular Life Sciences</i> , 1999, 55, 992-997.	2.4	27
117	Reduced adipose tissue mass and hypoleptinemia in iNOS deficient mice: effect of LPS on plasma leptin and adiponectin concentrations. <i>FEBS Letters</i> , 2004, 577, 351-356.	1.3	27
118	Distinct impaired regulation of SOCS3 and long and short isoforms of the leptin receptor in visceral and subcutaneous fat of lean and obese women. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1232-1238.	1.0	27
119	Time-Dependent Effects of a High-Energy-Yielding Diet on the Regulation of Specific White Adipose Tissue Genes. <i>Biochemical and Biophysical Research Communications</i> , 2001, 283, 6-11.	1.0	26
120	Circulating osteocalcin concentrations are associated with parameters of liver fat infiltration and increase in parallel to decreased liver enzymes after weight loss. <i>Osteoporosis International</i> , 2010, 21, 2101-2107.	1.3	26
121	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. <i>European Journal of Nutrition</i> , 2013, 52, 1587-1595.	1.8	26
122	Sleeve Gastrectomy Reduces Hepatic Steatosis by Improving the Coordinated Regulation of Aquaglyceroporins in Adipose Tissue and Liver in Obese Rats. <i>Obesity Surgery</i> , 2015, 25, 1723-1734.	1.1	26
123	IL-32-induced inflammation constitutes a link between obesity and colon cancer. <i>Oncolmmunology</i> , 2017, 6, e1328338.	2.1	26
124	Dermatopontin, A Novel Adipokine Promoting Adipose Tissue Extracellular Matrix Remodelling and Inflammation in Obesity. <i>Journal of Clinical Medicine</i> , 2020, 9, 1069.	1.0	26
125	Leptin Reduces the Expression and Increases the Phosphorylation of the Negative Regulators of GLUT4 Traffic TBC1D1 and TBC1D4 in Muscle of ob/ob Mice. <i>PLoS ONE</i> , 2012, 7, e29389.	1.1	25
126	Role of aquaporin-7 in ghrelin- and GLP-1-induced improvement of pancreatic $\beta$ -cell function after sleeve gastrectomy in obese rats. <i>International Journal of Obesity</i> , 2017, 41, 1394-1402.	1.6	24



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127	Aquaporin-11 Contributes to TGF- $\beta$ 1-induced Endoplasmic Reticulum Stress in Human Visceral Adipocytes: Role in Obesity-Associated Inflammation. <i>Cells</i> , 2020, 9, 1403.	1.8	24
128	Expression Profile in Omental and Subcutaneous Adipose Tissue from Lean and Obese Subjects. Repression of Lipolytic and Lipogenic Genes. <i>Obesity Surgery</i> , 2011, 21, 633-643.	1.1	23
129	Sleeve Gastrectomy Induces Weight Loss in Diet-Induced Obese Rats Even if High-Fat Feeding Is Continued. <i>Obesity Surgery</i> , 2011, 21, 1438-1443.	1.1	23
130	Serum Amyloid A Concentration is Increased in Obese Children and Adolescents. <i>Journal of Pediatrics</i> , 2008, 153, 71-75.	0.9	22
131	Liver, but not adipose tissue PEDF gene expression is associated with insulin resistance. <i>International Journal of Obesity</i> , 2013, 37, 1230-1237.	1.6	22
132	Circulating ANGPTL8/Betatrophin Concentrations Are Increased After Surgically Induced Weight Loss, but Not After Diet-Induced Weight Loss. <i>Obesity Surgery</i> , 2016, 26, 1881-1889.	1.1	22
133	Resistin and RELM- $\beta$ gene expression in white adipose tissue of lactating mice. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 458-462.	1.0	20
134	Impact of adipokines and myokines on fat browning. <i>Journal of Physiology and Biochemistry</i> , 2020, 76, 227-240.	1.3	20
135	Pre- and postprandial expression of the leptin receptor splice variants OB-Ra and OB-Rb in murine peripheral tissues. <i>Physiological Research</i> , 1999, 48, 189-95.	0.4	20
136	Physical activity in anorexia nervosa: How relevant is it to therapy response?. <i>European Psychiatry</i> , 2015, 30, 924-931.	0.1	19
137	Increased Obesity-Associated Circulating Levels of the Extracellular Matrix Proteins Osteopontin, Chitinase-3 Like-1 and Tenascin C Are Associated with Colon Cancer. <i>PLoS ONE</i> , 2016, 11, e0162189.	1.1	19
138	Circulating GDF11 levels are decreased with age but are unchanged with obesity and type 2 diabetes. <i>Aging</i> , 2019, 11, 1733-1744.	1.4	19
139	Influence of Waist Circumference on the Metabolic Risk Associated with Impaired Fasting Glucose: Effect of Weight Loss after Gastric Bypass. <i>Obesity Surgery</i> , 2007, 17, 585-591.	1.1	18
140	Sleeve Gastrectomy Reduces Body Weight and Improves Metabolic Profile also in Obesity-Prone Rats. <i>Obesity Surgery</i> , 2016, 26, 1537-1548.	1.1	18
141	Differential Insulin Receptor Substrate-1 (IRS1)-Related Modulation of Neuropeptide Y and Proopiomelanocortin Expression in Nondiabetic and Diabetic IRS2 $^{-/-}$ Mice. <i>Endocrinology</i> , 2012, 153, 1129-1140.	1.4	17
142	Transcriptional analysis of brown adipose tissue in leptin-deficient mice lacking inducible nitric oxide synthase: evidence of the role of Med1 in energy balance. <i>Physiological Genomics</i> , 2012, 44, 678-688.	1.0	16
143	Comparative effects of gastric bypass and sleeve gastrectomy on plasma osteopontin concentrations in humans. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 2412-2420.	1.3	16
144	Leptin, but not a $\beta$ . <i>Cellular and Molecular Life Sciences</i> , 1999, 55, 992.	2.4	16

#	ARTICLE	IF	CITATIONS
145	Short- and Long-Term Changes in Gastric Morphology and Histopathology Following Sleeve Gastrectomy in Diet-Induced Obese Rats. <i>Obesity Surgery</i> , 2012, 22, 634-640.	1.1	15
146	Sleeve Gastrectomy Reduces Blood Pressure in Obese (fa/fa) Zucker Rats. <i>Obesity Surgery</i> , 2012, 22, 309-315.	1.1	15
147	Divergent effects of an alpha2-adrenergic antagonist on lipolysis and thermogenesis: interactions with a beta3-adrenergic agonist in rats. <i>International Journal of Molecular Medicine</i> , 2001, 8, 103-9.	1.8	15
148	Disruption of the Leptin-Insulin Relationship in Obese Men 24 Hours after Laparoscopic Adjustable Silicone Gastric Banding. <i>Obesity Surgery</i> , 2002, 12, 366-371.	1.1	14
149	Weight Loss in Tumour-Bearing Mice Is Not Associated with Changes in Resistin Gene Expression in White Adipose Tissue. <i>Hormone and Metabolic Research</i> , 2002, 34, 674-677.	0.7	13
150	iNOS Gene Ablation Prevents Liver Fibrosis in Leptin-Deficient ob/ob Mice. <i>Genes</i> , 2019, 10, 184.	1.0	12
151	Decreased Levels of Microfibril-Associated Glycoprotein (MAGP)-1 in Patients with Colon Cancer and Obesity Are Associated with Changes in Extracellular Matrix Remodelling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8485.	1.8	12
152	Is hyperleptinemia involved in the development of age-related lens opacities?. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 888-889.	2.2	11
153	Leptin Therapy Does Not Affect Inflammatory Markers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 3803-3803.	1.8	11
154	RIP140 Gene and Protein Expression Levels are Downregulated in Visceral Adipose Tissue in Human Morbid Obesity. <i>Obesity Surgery</i> , 2009, 19, 771-776.	1.1	11
155	Chronic central leptin infusion modulates the glycemia response to insulin administration in male rats through regulation of hepatic glucose metabolism. <i>Molecular and Cellular Endocrinology</i> , 2015, 415, 157-172.	1.6	11
156	Sleeve Gastrectomy Decreases Body Weight, Whole-Body Adiposity, and Blood Pressure Even in Aged Diet-Induced Obese Rats. <i>Obesity Surgery</i> , 2016, 26, 1549-1558.	1.1	11
157	Serum Levels of IL-1 RA Increase with Obesity and Type 2 Diabetes in Relation to Adipose Tissue Dysfunction and are Reduced After Bariatric Surgery in Parallel to Adiposity. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 1331-1345.	1.6	11
158	A b3-adrenergic agonist increases muscle GLUT1/GLUT4 ratio, and regulates liver glucose utilization in diabetic rats*. <i>Diabetes, Obesity and Metabolism</i> , 1999, 1, 97-104.	2.2	10
159	Effect of Sleeve Gastrectomy on Osteopontin Circulating Levels and Expression in Adipose Tissue and Liver in Rats. <i>Obesity Surgery</i> , 2014, 24, 1702-1708.	1.1	10
160	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. <i>Archives of Medical Research</i> , 2015, 46, 47-53.	1.5	10
161	GLP-1 Limits Adipocyte Inflammation and Its Low Circulating Pre-Operative Concentrations Predict Worse Type 2 Diabetes Remission after Bariatric Surgery in Obese Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 479.	1.0	10
162	Perspectives in the therapeutic use of leptin. <i>Expert Opinion on Pharmacotherapy</i> , 2001, 2, 1615-1622.	0.9	9

#	ARTICLE	IF	CITATIONS
163	The Differential Expression of the Inflammasomes in Adipose Tissue and Colon Influences the Development of Colon Cancer in a Context of Obesity by Regulating Intestinal Inflammation. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 6431-6446.	1.6	9
164	Cardiometabolic Profile Related to Body Adiposity Identifies Patients Eligible for Bariatric Surgery More Accurately than BMI. <i>Obesity Surgery</i> , 2015, 25, 1594-1603.	1.1	8
165	The increase in fiber size in male rat gastrocnemius after chronic central leptin infusion is related to activation of insulin signaling. <i>Molecular and Cellular Endocrinology</i> , 2018, 470, 48-59.	1.6	8
166	Resting Energy Expenditure Is Not Altered in Children and Adolescents with Obesity. Effect of Age and Gender and Association with Serum Leptin Levels. <i>Nutrients</i> , 2021, 13, 1216.	1.7	8
167	Increased Levels of Interleukin-36 in Obesity and Type 2 Diabetes Fuel Adipose Tissue Inflammation by Inducing Its Own Expression and Release by Adipocytes and Macrophages. <i>Frontiers in Immunology</i> , 2022, 13, 832185.	2.2	8
168	Circulating Concentrations of GDF11 are Positively Associated with TSH Levels in Humans. <i>Journal of Clinical Medicine</i> , 2019, 8, 878.	1.0	7
169	Adipopharmacology of inflammation and insulin resistance. <i>Biomedical Reviews</i> , 2014, 17, 43.	0.6	7
170	Divergent effects of an $\hat{1}\pm 2$ -adrenergic antagonist on lipolysis and thermogenesis: Interactions with a $\hat{1}23$ -adrenergic agonist in rats. <i>International Journal of Molecular Medicine</i> , 2001, 8, 103.	1.8	6
171	Unlocking The Molecular Basis Of Obesity. <i>Future Lipidology</i> , 2007, 2, 577-581.	0.5	6
172	Gastric Plication Improves Glycemia Partly by Restoring the Altered Expression of Aquaglyceroporins in Adipose Tissue and the Liver in Obese Rats. <i>Obesity Surgery</i> , 2017, 27, 1763-1774.	1.1	6
173	Inflammatory and Oxidative Stress Markers in Skeletal Muscle of Obese Subjects. , 2018, , 163-189.		6
174	Role of ANGPTL8 in NAFLD Improvement after Bariatric Surgery in Experimental and Human Obesity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12945.	1.8	6
175	Changes in mechanical properties of adipose tissue after bariatric surgery driven by extracellular matrix remodelling and neovascularization are associated with metabolic improvements. <i>Acta Biomaterialia</i> , 2022, , .	4.1	6
176	Depot-specific differences in the lipolytic effect of leptin on isolated white adipocytes. <i>Medical Science Monitor</i> , 2002, 8, BR47-55.	0.5	6
177	Efecto vasodilatador de la ghrelina en la aorta de rata. <i>Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion</i> , 2008, 55, 448-453.	0.8	5
178	Effect of a beta3-adrenergic agonist on liver glucokinase gene expression in alloxan-diabetic rats. <i>Journal of Physiology and Biochemistry</i> , 1999, 55, 25-31.	1.3	5
179	Adipose Tissue: Structure, Function and Metabolism. , 2013, , 1-13.		4
180	Caloric Restriction Prevents Metabolic Dysfunction and the Changes in Hypothalamic Neuropeptides Associated with Obesity Independently of Dietary Fat Content in Rats. <i>Nutrients</i> , 2021, 13, 2128.	1.7	4

#	ARTICLE	IF	CITATIONS
181	High plasma and lingual uroguanylin as potential contributors to changes in food preference after sleeve gastrectomy. <i>Metabolism: Clinical and Experimental</i> , 2022, 128, 155119.	1.5	4
182	ADIPOSE TISSUE. , 2005, , 1-14.		3
183	Resistin: A Promising Therapeutic Target for the Management of Type 2 Diabetes Mellitus?. <i>Drug Design Reviews Online</i> , 2005, 2, 1-12.	0.7	3
184	Impact on the Nutritional Status and Inflammation of Patients with Cancer Hospitalized after the SARS-CoV-2 Lockdown. <i>Nutrients</i> , 2022, 14, 2754.	1.7	3
185	Acute Leptin Administration Increases Hypothalamic Expression of Prepro-orexin mRNA. <i>Nutritional Neuroscience</i> , 1999, 2, 39-42.	1.5	2
186	Does Body Adiposity Better Predict Obesity-Associated Cardiometabolic Risk Than Body Mass Index?. <i>Journal of the American College of Cardiology</i> , 2015, 65, 632-633.	1.2	2
187	Interactions between an $\alpha$ 2-adrenergic antagonist and a $\alpha$ 3-adrenergic agonist on the expression of UCP2 and UCP3 in rats. <i>Journal of Physiology and Biochemistry</i> , 2002, 58, 17-23.	1.3	1
188	Letter by GÃ³mez-Ambrosi et al Regarding Article, "Clinical Assessment and Management of Adult Obesity". <i>Circulation</i> , 2013, 128, e39.	1.6	1
189	The adipo-hepato-insular axis in glucose homeostasis.. , 2009, , 163-193.		1
190	The Endocannabinoid System, an Underexploited and Promising Niche for the Pharmacological Treatment of Obesity and Metabolic Diseases. <i>Nutrients</i> , 2022, 14, 421.	1.7	1
191	Comment on "Short-Term Effects of Sleeve Gastrectomy and Caloric Restriction on Blood Pressure in Diet-Induced Obese Rats". <i>Obesity Surgery</i> , 2012, 22, 1786-1787.	1.1	0
192	ESCI-BioArt Award. <i>European Journal of Clinical Investigation</i> , 2018, 48, e13018.	1.7	0
193	The "new normality"™ in research? What message are we conveying our medical students?. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13586.	1.7	0
194	ANGIOTENSIN II-INDUCED PROLIFERATION IS DECREASED IN THE PRESENCE OF LEPTIN ON WISTAR RAT AORTA. <i>Journal of Hypertension</i> , 2004, 22, S335.	0.3	0
195	Adipose tissue: structure, function and metabolism. , 2022, , .		0
196	Metrics: Reflections on the 2020s impact factors. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13723.	1.7	0