Amaia Rodrguez

List of Publications by Citations

154 papers	6,454 citations	47 h-index	74 g-index
161 ext. papers	7,733 ext. citations	5.6 avg, IF	5.72 L-index

#	Paper	IF	Citations
154	Regulation of adipocyte lipolysis. *Nutrition Research Reviews*, **2014**, 27, 63-93	7	245
153	Adipokine dysregulation and adipose tissue inflammation in human obesity. *European Journal of Clinical Investigation*, **2018**, 48, e12997	4.6	203
152	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
151	Acylated and desacyl ghrelin stimulate lipid accumulation in human visceral adipocytes. *International Journal of Obesity*, **2009**, 33, 541-52	5.5	159
150	Revisiting the adipocyte: a model for integration of cytokine signaling in the regulation of energy metabolism. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E691-714	6	155
149	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
148	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
147	Proinflammatory cytokines in obesity: impact of type 2 diabetes mellitus and gastric bypass. *Obesity Surgery*, **2007**, 17, 1464-74	3.7	137
146	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
145	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
144	Clinical usefulness of a new equation for estimating body fat. *Diabetes Care*, **2012**, 35, 383-8	14.6	119
143	Crosstalk between adipokines and myokines in fat browning. *Acta Physiologica*, **2017**, 219, 362-381	5.6	111
142	The bone-adipose axis in obesity and weight loss. *Obesity Surgery*, **2008**, 18, 1134-43	3.7	110
141	Characterising metabolically healthy obesity in weight-discordant monozygotic twins. *Diabetologia*, **2014**, 57, 167-76	10.3	104
140	Visceral and subcutaneous adiposity: are both potential therapeutic targets for tackling the metabolic syndrome?. *Current Pharmaceutical Design*, **2007**, 13, 2169-75	3.3	104
139	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
138	Aquaglyceroporins serve as metabolic gateways in adiposity and insulin resistance control. *Cell Cycle*, **2011**, 10, 1548-56	4.7	103

137	Involvement of the leptin-adiponectin axis in inflammation and oxidative stress in the metabolic syndrome. *Scientific Reports*, **2017**, 7, 6619	4.9	100
136	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
135	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
134	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
133	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
132	Fibroblast growth factor 15/19 (FGF15/19) protects from diet-induced hepatic steatosis: development of an FGF19-based chimeric molecule to promote fatty liver regeneration. *Gut*, **2017**, 66, 1818-1828	19.2	86
131	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
130	Adipose tissue immunity and cancer. *Frontiers in Physiology*, **2013**, 4, 275	4.6	84
129	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
128	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
127	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
126	Increased serum amyloid A concentrations in morbid obesity decrease after gastric bypass. *Obesity Surgery*, **2006**, 16, 262-9	3.7	77
125	Leptin inhibits angiotensin II-induced intracellular calcium increase and vasoconstriction in the rat aorta. *Endocrinology*, **2002**, 143, 3555-60	4.8	76
124	Mechanisms linking excess adiposity and carcinogenesis promotion. *Frontiers in Endocrinology*, **2014** , 5, 65	5.7	74
123	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
122	The ghrelin O-acyltransferase-ghrelin system reduces TNF-□nduced apoptosis and autophagy in human visceral adipocytes. *Diabetologia*, **2012**, 55, 3038-50	10.3	68
121	Adipocyte morphology and implications for metabolic derangements in acquired obesity. *International Journal of Obesity*, **2014**, 38, 1423-31	5.5	64
120	Adiponectin-leptin Ratio is a Functional Biomarker of Adipose Tissue Inflammation. *Nutrients*, **2019**, 11,	6.7	60

119	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
118	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
117	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
116	Role of aquaporin-7 in the pathophysiological control of fat accumulation in mice. *FEBS Letters*, **2006**, 580, 4771-6	3.8	57
115	Alarmin high-mobility group B1 (HMGB1) is regulated in human adipocytes in insulin resistance and influences insulin secretion in □cells. *International Journal of Obesity*, **2014**, 38, 1545-54	5.5	56
114	Obesity and prostate cancer: gene expression signature of human periprostatic adipose tissue. *BMC Medicine*, **2012**, 10, 108	11.4	56
113	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
112	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
111	Reduced hepatic aquaporin-9 and glycerol permeability are related to insulin resistance in non-alcoholic fatty liver disease. *International Journal of Obesity*, **2014**, 38, 1213-20	5.5	53
110	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
109	Increased levels of chemerin and its receptor, chemokine-like receptor-1, in obesity are related to inflammation: tumor necrosis factor-□timulates mRNA levels of chemerin in visceral adipocytes from obese patients. *Surgery for Obesity and Related Diseases*, **2013**, 9, 306-14	3	49
108	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
107	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
106	Aquaporin-7 and glycerol permeability as novel obesity drug-target pathways. *Trends in Pharmacological Sciences*, **2006**, 27, 345-7	13.2	45
105	Effects of physical exercise on myokines expression and brown adipose-like phenotype modulation in rats fed a high-fat diet. *Life Sciences*, **2016**, 165, 100-108	6.8	45
104	Role of aquaglyceroporins and caveolins in energy and metabolic homeostasis. *Molecular and Cellular Endocrinology*, **2014**, 397, 78-92	4.4	43
103	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
102	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

101	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
100	Impaired adiponectin-AMPK signalling in insulin-sensitive tissues of hypertensive rats. *Life Sciences*, **2008**, 83, 540-9	6.8	42
99	Adipokines in the treatment of diabetes mellitus and obesity. *Expert Opinion on Pharmacotherapy*, **2009**, 10, 239-54	4	41
98	Deletion of inducible nitric-oxide synthase in leptin-deficient mice improves brown adipose tissue function. *PLoS ONE*, **2010**, 5, e10962	3.7	40
97	Mitochondria-related transcriptional signature is downregulated in adipocytes in obesity: a study of young healthy MZ twins. *Diabetologia*, **2017**, 60, 169-181	10.3	39
96	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
95	Identification of liver proteins altered by type 2 diabetes mellitus in obese subjects. *Liver International*, **2012**, 32, 951-61	7.9	37
94	Liver glycerol permeability and aquaporin-9 are dysregulated in a murine model of Non-Alcoholic Fatty Liver Disease. *PLoS ONE*, **2013**, 8, e78139	3.7	37
93	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
92	Sexual Dimorphism of Adipose and Hepatic Aquaglyceroporins in Health and Metabolic Disorders. *Frontiers in Endocrinology*, **2015**, 6, 171	5.7	35
91	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
90	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
89	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
88	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
87	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
86	Novel molecular aspects of ghrelin and leptin in the control of adipobiology and the cardiovascular system. *Obesity Facts*, **2014**, 7, 82-95	5.1	33
85	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
84	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

83	Impact of physical exercise on visceral adipose tissue fatty acid profile and inflammation in response to a high-fat diet regimen. *International Journal of Biochemistry and Cell Biology*, **2017**, 87, 114-124	5.6	31
82	NLRP3 inflammasome blockade reduces adipose tissue inflammation and extracellular matrix remodeling. *Cellular and Molecular Immunology*, **2021**, 18, 1045-1057	15.4	30
81	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
80	Guanylin and uroguanylin stimulate lipolysis in human visceral adipocytes. *International Journal of Obesity*, **2016**, 40, 1405-15	5.5	29
79	Genetic variations of the bitter taste receptor TAS2R38 are associated with obesity and impact on single immune traits. *Molecular Nutrition and Food Research*, **2016**, 60, 1673-83	5.9	28
78	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
77	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
76	Orexin and sleep quality in anorexia nervosa: Clinical relevance and influence on treatment outcome. *Psychoneuroendocrinology*, **2016**, 65, 102-8	5	26
75	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
74	Functional Relationship between Leptin and Nitric Oxide in Metabolism. *Nutrients*, **2019**, 11,	6.7	25
73	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
72	Decision Making Impairment: A Shared Vulnerability in Obesity, Gambling Disorder and Substance Use Disorders?. *PLoS ONE*, **2016**, 11, e0163901	3.7	25
71	HMOX1 as a marker of iron excess-induced adipose tissue dysfunction, affecting glucose uptake and respiratory capacity in human adipocytes. *Diabetologia*, **2017**, 60, 915-926	10.3	24
70	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
69	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
68	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
67	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
66	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

65	Enduring Changes in Decision Making in Patients with Full Remission from Anorexia Nervosa. *European Eating Disorders Review*, **2016**, 24, 523-527	5.3	21
64	Physical exercise remodels visceral adipose tissue and mitochondrial lipid metabolism in rats fed a high-fat diet. *Clinical and Experimental Pharmacology and Physiology*, **2017**, 44, 386-394	3	21
63	IL-32-induced inflammation constitutes a link between obesity and colon cancer. *OncoImmunology*, **2017**, 6, e1328338	7.2	20
62	Modulation of Irisin and Physical Activity on Executive Functions in Obesity and Morbid obesity. *Scientific Reports*, **2016**, 6, 30820	4.9	18
61	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
60	HOMA, QUICKI and MFFm to measure insulin resistance in morbid obesity. *Obesity Surgery*, **2006**, 16, 549-53	3.7	18
59	Ghrelin and autophagy. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2017**, 20, 402-408	3.8	17
58	Adipose tissue depot differences in adipokines and effects on skeletal and cardiac muscle. *Current Opinion in Pharmacology*, **2020**, 52, 1-8	5.1	17
57	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
56	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
55	Role of aquaporin-7 in ghrelin- and GLP-1-induced improvement of pancreatic β-cell function after sleeve gastrectomy in obese rats. *International Journal of Obesity*, **2017**, 41, 1394-1402	5.5	15
54	Associations between neuropsychological performance and appetite-regulating hormones in anorexia nervosa and healthy controls: Ghrelin's putative role as a mediator of decision-making. *Molecular and Cellular Endocrinology*, **2019**, 497, 110441	4.4	15
53	Reduced Plasma Orexin-A Concentrations are Associated with Cognitive Deficits in Anorexia Nervosa. *Scientific Reports*, **2019**, 9, 7910	4.9	15
52	The cytoskeletal protein septin 11 is associated with human obesity and is involved in adipocyte lipid storage and metabolism. *Diabetologia*, **2017**, 60, 324-335	10.3	15
51	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
50	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
49	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
48	Sleeve gastrectomy reduces blood pressure in obese (fa/fa) Zucker rats. *Obesity Surgery*, **2012**, 22, 309-15	3.7	14

47	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
46	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
45	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
44	Heme Biosynthetic Pathway is Functionally Linked to Adipogenesis via Mitochondrial Respiratory Activity. *Obesity*, **2017**, 25, 1723-1733	8	13
43	Epigenome-wide DNA methylation profiling of periprostatic adipose tissue in prostate cancer patients with excess adiposity-a pilot study. *Clinical Epigenetics*, **2018**, 10, 54	7.7	12
42	Pancreatic Aquaporin-7: A Novel Target for Anti-diabetic Drugs?. *Frontiers in Chemistry*, **2018**, 6, 99	5	12
41	Sleeve Gastrectomy Reduces Body Weight and Improves Metabolic Profile also in Obesity-Prone Rats. *Obesity Surgery*, **2016**, 26, 1537-48	3.7	11
40	Aquaporin-11 Contributes to TGF-1-Induced Endoplasmic Reticulum Stress in Human Visceral Adipocytes: Role in Obesity-Associated Inflammation. *Cells*, **2020**, 9,	7.9	11
39	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
38	Circulating GDF11 levels are decreased with age but are unchanged with obesity and type 2 diabetes. *Aging*, **2019**, 11, 1733-1744	5.6	11
37	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
36	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
35	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
34	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
33	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
32	Aquaporin-7 and aquaporin-12 modulate the inflammatory phenotype of endocrine pancreatic beta-cells. *Archives of Biochemistry and Biophysics*, **2020**, 691, 108481	4.1	9
31	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
30	Impact of adipokines and myokines on fat browning. *Journal of Physiology and Biochemistry*, **2020**, 76, 227-240	5	8

29	Dermatopontin, A Novel Adipokine Promoting Adipose Tissue Extracellular Matrix Remodelling and Inflammation in Obesity. *Journal of Clinical Medicine*, **2020**, 9,	5.1	8
28	Interaction Between Orexin-A and Sleep Quality in Females in Extreme Weight Conditions. *European Eating Disorders Review*, **2016**, 24, 510-517	5.3	8
27	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
26	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
25	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
24	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
23	Gene Ablation Prevents Liver Fibrosis in Leptin-Deficient Mice. *Genes*, **2019**, 10,	4.2	6
22	Circulating Concentrations of GDF11 are Positively Associated with TSH Levels in Humans. *Journal of Clinical Medicine*, **2019**, 8,	5.1	6
21	Increased adipose tissue heme levels and exportation are associated with altered systemic glucose metabolism. *Scientific Reports*, **2017**, 7, 5305	4.9	6
20	The caveolae-associated coiled-coil protein, NECC2, regulates insulin signalling in Adipocytes. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 5648-5661	5.6	6
19	O-GlcNAcylated p53 in the liver modulates hepatic glucose production. *Nature Communications*, **2021**, 12, 5068	17.4	5
18	Gastric Plication Improves Glycemia Partly by Restoring the Altered Expression of Aquaglyceroporins in Adipose Tissue and the Liver in Obese Rats. *Obesity Surgery*, **2017**, 27, 1763-1774	3.7	4
17	Vasodilator effect of ghrelin in the rat aorta. *Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion*, **2008**, 55, 448-53		4
16	Adipopharmacology of inflammation and insulin resistance. *Biomedical Reviews*, **2014**, 17, 43	4	3
15	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. *Journal of Inflammation Research*, **2021**, 14, 6431-6446	4.8	3
14	Time to Consider the "Exposome Hypothesis" in the Development of the Obesity Pandemic.. *Nutrients*, **2022**, 14,	6.7	3
13	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.. *Frontiers in Immunology*, **2022**, 13, 832185	8.4	2
12	Effects of Diets on Adipose Tissue. *Current Medicinal Chemistry*, **2019**, 26, 3593-3612	4.3	2

11	Adipose tissue knockdown of lysozyme reduces local inflammation and improves adipogenesis in high-fat diet-fed mice. *Pharmacological Research*, **2021**, 166, 105486	10.2	2
10	Does body adiposity better predict obesity-associated cardiometabolic risk than body mass index?. *Journal of the American College of Cardiology*, **2015**, 65, 632-3	15.1	1
9	Metabolism and satiety **2013**, 75-111		1
8	Resting Energy Expenditure Is Not Altered in Children and Adolescents with Obesity. Effect of Age and Gender and Association with Serum Leptin Levels. *Nutrients*, **2021**, 13,	6.7	1
7	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.. *Journal of Inflammation Research*, **2022**, 15, 1331-1345	4.8	1
6	High plasma and lingual uroguanylin as potential contributors to changes in food preference after sleeve gastrectomy.. *Metabolism: Clinical and Experimental*, **2022**, 128, 155119	12.7	0
5	Increased Small Intestine Expression of Non-Heme Iron Transporters in Morbidly Obese Patients With Newly Diagnosed Type 2 Diabetes. *Molecular Nutrition and Food Research*, **2018**, 62, 1700301	5.9	0
4	Cross-Talk between Autophagy and Apoptosis in Adipose Tissue: Role of Ghrelin **2015**, 121-131		
3	Comment on Short-Term Effects of Sleeve Gastrectomy and Caloric Restriction on Blood Pressure in Diet-Induced Obese Rats *Obesity Surgery*, **2012**, 22, 1786-1787	3.7	
2	ANGIOTENSIN II-INDUCED PROLIFERATION IS DECREASED IN THE PRESENCE OF LEPTIN ON WISTAR RAT AORTA. *Journal of Hypertension*, **2004**, 22, S335	1.9	
1	Peptides involved in vascular homeostasis. **2009**, 229-261		