

# Victoria Catalan

## List of Publications by Year in Descending Order

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**Version:** 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101  
papers

4,780  
citations

42  
h-index

67  
g-index

104  
ext. papers

5,700  
ext. citations

5.3  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
101	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> , <b>2022</b> , 13, 832185	8.4	2
100	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> , <b>2022</b> , 15, 1331-1345	4.8	1
99	Time to Consider the "Exposome Hypothesis" in the Development of the Obesity Pandemic.. <i>Nutrients</i> , <b>2022</b> , 14,	6.7	3
98	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> , <b>2021</b> , 14, 6431-6446	4.8	3
97	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> , <b>2021</b> , 13,	6.7	1
96	The New normality in research? What message are we conveying our medical students?. <i>European Journal of Clinical Investigation</i> , <b>2021</b> , 51, e13586	4.6	
95	NLRP3 inflammasome blockade reduces adipose tissue inflammation and extracellular matrix remodeling. <i>Cellular and Molecular Immunology</i> , <b>2021</b> , 18, 1045-1057	15.4	30
94	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> , <b>2021</b> , 18, 2457-2459	15.4	8
93	Metrics: Reflections on the 2020s impact factors. <i>European Journal of Clinical Investigation</i> , <b>2021</b> , e13723	4.6	
92	FNDC4, a novel adipokine that reduces lipogenesis and promotes fat browning in human visceral adipocytes. <i>Metabolism: Clinical and Experimental</i> , <b>2020</b> , 108, 154261	12.7	10
91	Dermatopontin, A Novel Adipokine Promoting Adipose Tissue Extracellular Matrix Remodelling and Inflammation in Obesity. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	8
90	Increase of the Adiponectin/Leptin Ratio in Patients with Obesity and Type 2 Diabetes after Roux-en-Y Gastric Bypass. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	14
89	Functional Relationship between Leptin and Nitric Oxide in Metabolism. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	25
88	Gene Ablation Prevents Liver Fibrosis in Leptin-Deficient Mice. <i>Genes</i> , <b>2019</b> , 10,	4.2	6
87	Adiponectin-leptin Ratio is a Functional Biomarker of Adipose Tissue Inflammation. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	60
86	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> , <b>2019</b> , 8,	5.1	7
85	Ghrelin Reduces TNF- $\alpha$ -Induced Human Hepatocyte Apoptosis, Autophagy, and Pyroptosis: Role in Obesity-Associated NAFLD. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 21-37	5.6	42

84	Adipose Tissue <b>2019</b> , 370-384		0
83	Circulating Concentrations of GDF11 are Positively Associated with TSH Levels in Humans. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	6
82	Novel protective role of kallistatin in obesity by limiting adipose tissue low grade inflammation and oxidative stress. <i>Metabolism: Clinical and Experimental</i> , <b>2018</b> , 87, 123-135	12.7	13
81	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> , <b>2018</b> , 37, 580-589	5.9	33
80	Precision medicine: diagnosis and management of obesity. <i>Lancet Diabetes and Endocrinology</i> , <b>2018</b> , 6, 164-166	18.1	29
79	Adipokine dysregulation and adipose tissue inflammation in human obesity. <i>European Journal of Clinical Investigation</i> , <b>2018</b> , 48, e12997	4.6	203
78	Adiponectin-leptin ratio: A promising index to estimate adipose tissue dysfunction. Relation with obesity-associated cardiometabolic risk. <i>Adipocyte</i> , <b>2018</b> , 7, 57-62	3.2	128
77	NLRP3 Inflammasome: A Possible Link Between Obesity-Associated Low-Grade Chronic Inflammation and Colorectal Cancer Development. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2918	8.4	48
76	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> , <b>2017</b> , 36, 861-868	5.9	81
75	The Role and Potential Therapeutic Implications of the Fibroblast Growth Factors in Energy Balance and Type 2 Diabetes. <i>Current Diabetes Reports</i> , <b>2017</b> , 17, 43	5.6	19
74	IL-32-induced inflammation constitutes a link between obesity and colon cancer. <i>Oncolmmunology</i> , <b>2017</b> , 6, e1328338	7.2	20
73	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> , <b>2017</b> , 7, 2752	4.9	37
72	Involvement of the leptin-adiponectin axis in inflammation and oxidative stress in the metabolic syndrome. <i>Scientific Reports</i> , <b>2017</b> , 7, 6619	4.9	100
71	Sleeve Gastrectomy Reduces Body Weight and Improves Metabolic Profile also in Obesity-Prone Rats. <i>Obesity Surgery</i> , <b>2016</b> , 26, 1537-48	3.7	11
70	Increased Interleukin-32 Levels in Obesity Promote Adipose Tissue Inflammation and Extracellular Matrix Remodeling: Effect of Weight Loss. <i>Diabetes</i> , <b>2016</b> , 65, 3636-3648	0.9	26
69	Circulating ANGPTL8/Betatrophin Concentrations Are Increased After Surgically Induced Weight Loss, but Not After Diet-Induced Weight Loss. <i>Obesity Surgery</i> , <b>2016</b> , 26, 1881-9	3.7	18
68	Sleeve Gastrectomy Decreases Body Weight, Whole-Body Adiposity, and Blood Pressure Even in Aged Diet-Induced Obese Rats. <i>Obesity Surgery</i> , <b>2016</b> , 26, 1549-58	3.7	10
67	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> , <b>2016</b> , 11, e0162189	3.7	14

66	Acylated and desacyl ghrelin are associated with hepatic lipogenesis, oxidation and autophagy: role in NAFLD amelioration after sleeve gastrectomy in obese rats. <i>Scientific Reports</i> , <b>2016</b> , 6, 39942	4.9	34
65	Elucidating the Role of Peripheral Neurotensin in Appetite Control. <i>Endocrinology</i> , <b>2016</b> , 157, 3391-3	4.8	3
64	Altered Concentrations in Dyslipidemia Evidence a Role for ANGPTL8/Betatrophin in Lipid Metabolism in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 3803-3811	5.6	32
63	Expression of S6K1 in human visceral adipose tissue is upregulated in obesity and related to insulin resistance and inflammation. <i>Acta Diabetologica</i> , <b>2015</b> , 52, 257-66	3.9	27
62	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> , <b>2015</b> , 46, 47-53	6.6	8
61	Sleeve Gastrectomy Reduces Hepatic Steatosis by Improving the Coordinated Regulation of Aquaglyceroporins in Adipose Tissue and Liver in Obese Rats. <i>Obesity Surgery</i> , <b>2015</b> , 25, 1723-34	3.7	23
60	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> , <b>2015</b> , 10, 460	4.3	33
59	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> , <b>2015</b> , 5, 12067	4.9	42
58	Does body adiposity better predict obesity-associated cardiometabolic risk than body mass index?. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 632-3	15.1	1
57	Cardiometabolic Profile Related to Body Adiposity Identifies Patients Eligible for Bariatric Surgery More Accurately than BMI. <i>Obesity Surgery</i> , <b>2015</b> , 25, 1594-603	3.7	7
56	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> , <b>2014</b> , 99, E1407-17	5.6	85
55	Increased cardiometabolic risk factors and inflammation in adipose tissue in obese subjects classified as metabolically healthy. <i>Diabetes Care</i> , <b>2014</b> , 37, 2813-21	14.6	97
54	Circulating betatrophin concentrations are decreased in human obesity and type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, E2004-9	5.6	133
53	Comparative effects of gastric bypass and sleeve gastrectomy on plasma osteopontin concentrations in humans. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2014</b> , 28, 2412-20	5.2	13
52	Effect of sleeve gastrectomy on osteopontin circulating levels and expression in adipose tissue and liver in rats. <i>Obesity Surgery</i> , <b>2014</b> , 24, 1702-8	3.7	9
51	Insulin resistance modulates iron-related proteins in adipose tissue. <i>Diabetes Care</i> , <b>2014</b> , 37, 1092-100	14.6	43
50	Mechanisms linking excess adiposity and carcinogenesis promotion. <i>Frontiers in Endocrinology</i> , <b>2014</b> , 5, 65	5.7	74
49	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> , <b>2014</b> , 9, e98398	3.7	55

48	Adipopharmacology of inflammation and insulin resistance. <i>Biomedical Reviews</i> , <b>2014</b> , 17, 43	4	3
47	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> , <b>2013</b> , 52, 1587-95	5.2	23
46	Targeting the circulating microRNA signature of obesity. <i>Clinical Chemistry</i> , <b>2013</b> , 59, 781-92	5.5	281
45	Increased levels of chemerin and its receptor, chemokine-like receptor-1, in obesity are related to inflammation: tumor necrosis factor- $\beta$ stimulates mRNA levels of chemerin in visceral adipocytes from obese patients. <i>Surgery for Obesity and Related Diseases</i> , <b>2013</b> , 9, 306-14	3	49
44	Adipose tissue immunity and cancer. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 275	4.6	84
43	Sleeve gastrectomy reduces blood pressure in obese (fa/fa) Zucker rats. <i>Obesity Surgery</i> , <b>2012</b> , 22, 309-15	3.7	14
42	The L-Elysophosphatidylinositol/GPR55 system and its potential role in human obesity. <i>Diabetes</i> , <b>2012</b> , 61, 281-91	0.9	112
41	Clinical usefulness of a new equation for estimating body fat. <i>Diabetes Care</i> , <b>2012</b> , 35, 383-8	14.6	119
40	Identification of liver proteins altered by type 2 diabetes mellitus in obese subjects. <i>Liver International</i> , <b>2012</b> , 32, 951-61	7.9	37
39	Obesity and prostate cancer: gene expression signature of human periprostatic adipose tissue. <i>BMC Medicine</i> , <b>2012</b> , 10, 108	11.4	56
38	Short-term effects of sleeve gastrectomy and caloric restriction on blood pressure in diet-induced obese rats. <i>Obesity Surgery</i> , <b>2012</b> , 22, 1481-90	3.7	34
37	Short- and long-term changes in gastric morphology and histopathology following sleeve gastrectomy in diet-induced obese rats. <i>Obesity Surgery</i> , <b>2012</b> , 22, 634-40	3.7	15
36	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> , <b>2012</b> , 44, 678-88	3.6	15
35	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> , <b>2012</b> , 97, E1880-9	5.6	50
34	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> , <b>2012</b> , 7, e29389	3.7	22
33	Role of extracellular matrix remodelling in adipose tissue pathophysiology: relevance in the development of obesity. <i>Histology and Histopathology</i> , <b>2012</b> , 27, 1515-28	1.4	48
32	Increased levels of calprotectin in obesity are related to macrophage content: impact on inflammation and effect of weight loss. <i>Molecular Medicine</i> , <b>2011</b> , 17, 1157-67	6.2	77
31	Sleeve gastrectomy induces weight loss in diet-induced obese rats even if high-fat feeding is continued. <i>Obesity Surgery</i> , <b>2011</b> , 21, 1438-43	3.7	16

30	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> , <b>2011</b> , 22, 634-41	6.3	46
29	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> , <b>2011</b> , 96, 200-9	5.6	58
28	Aquaglyceroporins serve as metabolic gateways in adiposity and insulin resistance control. <i>Cell Cycle</i> , <b>2011</b> , 10, 1548-56	4.7	103
27	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> , <b>2011</b> , 96, E586-97	5.6	160
26	The gene expression of the main lipogenic enzymes is downregulated in visceral adipose tissue of obese subjects. <i>Obesity</i> , <b>2010</b> , 18, 13-20	8	84
25	Complement factor H is expressed in adipose tissue in association with insulin resistance. <i>Diabetes</i> , <b>2010</b> , 59, 200-9	0.9	74
24	Leptin administration downregulates the increased expression levels of genes related to oxidative stress and inflammation in the skeletal muscle of ob/ob mice. <i>Mediators of Inflammation</i> , <b>2010</b> , 2010, 784343	4.3	29
23	Leptin inhibits the proliferation of vascular smooth muscle cells induced by angiotensin II through nitric oxide-dependent mechanisms. <i>Mediators of Inflammation</i> , <b>2010</b> , 2010, 105489	4.3	36
22	Study of caveolin-1 gene expression in whole adipose tissue and its subfractions and during differentiation of human adipocytes. <i>Nutrition and Metabolism</i> , <b>2010</b> , 7, 20	4.6	25
21	Association of plasma acylated ghrelin with blood pressure and left ventricular mass in patients with metabolic syndrome. <i>Journal of Hypertension</i> , <b>2010</b> , 28, 560-7	1.9	34
20	Circulating omentin concentration increases after weight loss. <i>Nutrition and Metabolism</i> , <b>2010</b> , 7, 27	4.6	151
19	Involvement of serum vascular endothelial growth factor family members in the development of obesity in mice and humans. <i>Journal of Nutritional Biochemistry</i> , <b>2010</b> , 21, 774-80	6.3	57
18	Deletion of inducible nitric-oxide synthase in leptin-deficient mice improves brown adipose tissue function. <i>PLoS ONE</i> , <b>2010</b> , 5, e10962	3.7	40
17	Leptin administration favors muscle mass accretion by decreasing FoxO3a and increasing PGC-1alpha in ob/ob mice. <i>PLoS ONE</i> , <b>2009</b> , 4, e6808	3.7	103
16	RIP140 gene and protein expression levels are downregulated in visceral adipose tissue in human morbid obesity. <i>Obesity Surgery</i> , <b>2009</b> , 19, 771-6	3.7	11
15	Adipokines in the treatment of diabetes mellitus and obesity. <i>Expert Opinion on Pharmacotherapy</i> , <b>2009</b> , 10, 239-54	4	41
14	Impaired adiponectin-AMPK signalling in insulin-sensitive tissues of hypertensive rats. <i>Life Sciences</i> , <b>2008</b> , 83, 540-9	6.8	42
13	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> , <b>2008</b> , 68, 213-9	3.4	69

12	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> , <b>2008</b> , 18, 695-701	3.7	58
11	Influence of waist circumference on the metabolic risk associated with impaired fasting glucose: effect of weight loss after gastric bypass. <i>Obesity Surgery</i> , <b>2007</b> , 17, 585-91	3.7	17
10	Proinflammatory cytokines in obesity: impact of type 2 diabetes mellitus and gastric bypass. <i>Obesity Surgery</i> , <b>2007</b> , 17, 1464-74	3.7	137
9	Visceral and subcutaneous adiposity: are both potential therapeutic targets for tackling the metabolic syndrome?. <i>Current Pharmaceutical Design</i> , <b>2007</b> , 13, 2169-75	3.3	104
8	Plasma osteopontin levels and expression in adipose tissue are increased in obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 3719-27	5.6	152
7	Role of aquaporin-7 in the pathophysiological control of fat accumulation in mice. <i>FEBS Letters</i> , <b>2006</b> , 580, 4771-6	3.8	57
6	Aquaporin-7 and glycerol permeability as novel obesity drug-target pathways. <i>Trends in Pharmacological Sciences</i> , <b>2006</b> , 27, 345-7	13.2	45
5	The inhibitory effect of leptin on angiotensin II-induced vasoconstriction is blunted in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , <b>2006</b> , 24, 1589-97	1.9	32
4	Increased serum amyloid A concentrations in morbid obesity decrease after gastric bypass. <i>Obesity Surgery</i> , <b>2006</b> , 16, 262-9	3.7	77
3	Gene expression profile induced by BCNU in human glioma cell lines with differential MGMT expression. <i>Journal of Neuro-Oncology</i> , <b>2005</b> , 73, 189-98	4.8	10
2	Gene expression profile of omental adipose tissue in human obesity. <i>FASEB Journal</i> , <b>2004</b> , 18, 215-7	0.9	136
1	Dysregulation of apoptosis is a major mechanism in the lymph node involvement in colorectal carcinoma. <i>Oncology Reports</i> , <b>2004</b> , 12, 287	3.5	2