

Victoria Catalan

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

6,520
citations

53794

45
h-index

66911

78
g-index

104
all docs

104
docs citations

104
times ranked

10726
citing authors

#	ARTICLE	IF	CITATIONS
1	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, , .	8.3	6
2	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.	4.8	8
3	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.	3.5	11
4	Metrics: Reflections on the 2020s impact factors. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13723.	3.4	0
5	Time to Consider the "Exposome Hypothesis" in the Development of the Obesity Pandemic. <i>Nutrients</i> , 2022, 14, 1597.	4.1	48
6	NLRP3 inflammasome blockade reduces adipose tissue inflammation and extracellular matrix remodeling. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1045-1057.	10.5	81
7	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.	4.1	8
8	The "new normality"™ in research? What message are we conveying our medical students?. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13586.	3.4	0
9	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.	4.1	12
10	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.	10.5	29
11	Role of ANGPTL8 in NAFLD Improvement after Bariatric Surgery in Experimental and Human Obesity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12945.	4.1	6
12	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.	3.5	9
13	FNDC4, a novel adipokine that reduces lipogenesis and promotes fat browning in human visceral adipocytes. <i>Metabolism: Clinical and Experimental</i> , 2020, 108, 154261.	3.4	31
14	Dermatopontin, A Novel Adipokine Promoting Adipose Tissue Extracellular Matrix Remodelling and Inflammation in Obesity. <i>Journal of Clinical Medicine</i> , 2020, 9, 1069.	2.4	26
15	Ghrelin reduces TNF- α -induced human hepatocyte apoptosis, autophagy and pyroptosis: role in obesity-associated NAFLD. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 21-37.	3.6	67
16	<i>Adipose Tissue</i> . , 2019, , 370-384.		2
17	Circulating Concentrations of GDF11 are Positively Associated with TSH Levels in Humans. <i>Journal of Clinical Medicine</i> , 2019, 8, 878.	2.4	7
18	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.	4.1	28

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19	Functional Relationship between Leptin and Nitric Oxide in Metabolism. <i>Nutrients</i> , 2019, 11, 2129.	4.1	40
20	iNOS Gene Ablation Prevents Liver Fibrosis in Leptin-Deficient ob/ob Mice. <i>Genes</i> , 2019, 10, 184.	2.4	12
21	Adiponectin-leptin Ratio is a Functional Biomarker of Adipose Tissue Inflammation. <i>Nutrients</i> , 2019, 11, 454.	4.1	139
22	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.	2.4	10
23	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.	3.4	28
24	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.	5.0	41
25	Precision medicine: diagnosis and management of obesity. <i>Lancet Diabetes and Endocrinology</i> , 2018, 6, 164-166.	11.4	43
26	Adiponectin-leptin ratio: A promising index to estimate adipose tissue dysfunction. Relation with obesity-associated cardiometabolic risk. <i>Adipocyte</i> , 2018, 7, 57-62.	2.8	250
27	NLRP3 Inflammasome: A Possible Link Between Obesity-Associated Low-Grade Chronic Inflammation and Colorectal Cancer Development. <i>Frontiers in Immunology</i> , 2018, 9, 2918.	4.8	77
28	Adipokine dysregulation and adipose tissue inflammation in human obesity. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12997.	3.4	408
29	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.	5.0	123
30	The Role and Potential Therapeutic Implications of the Fibroblast Growth Factors in Energy Balance and Type 2 Diabetes. <i>Current Diabetes Reports</i> , 2017, 17, 43.	4.2	26
31	IL-32 β -induced inflammation constitutes a link between obesity and colon cancer. <i>Oncolmmunology</i> , 2017, 6, e1328338.	4.6	26
32	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.	3.3	45
33	Involvement of the leptin-adiponectin axis in inflammation and oxidative stress in the metabolic syndrome. <i>Scientific Reports</i> , 2017, 7, 6619.	3.3	140
34	Acylated and desacyl ghrelin are associated with hepatic lipogenesis, β -oxidation and autophagy: role in NAFLD amelioration after sleeve gastrectomy in obese rats. <i>Scientific Reports</i> , 2016, 6, 39942.	3.3	50
35	Elucidating the Role of Peripheral Neuropeptide Y in Appetite Control. <i>Endocrinology</i> , 2016, 157, 3391-3393.	2.8	4
36	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.	3.6	37

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37	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.	0.6	31
38	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.	2.1	22
39	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.	2.1	11
40	Sleeve Gastrectomy Reduces Body Weight and Improves Metabolic Profile also in Obesity-Prone Rats. <i>Obesity Surgery</i> , 2016, 26, 1537-1548.	2.1	18
41	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.	2.5	19
42	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.	3.3	53
43	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.	2.8	2
44	Cardiometabolic Profile Related to Body Adiposity Identifies Patients Eligible for Bariatric Surgery More Accurately than BMI. <i>Obesity Surgery</i> , 2015, 25, 1594-1603.	2.1	8
45	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.	2.5	37
46	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.	3.3	10
47	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.	2.1	26
48	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.	2.5	44
49	Insulin Resistance Modulates Iron-Related Proteins in Adipose Tissue. <i>Diabetes Care</i> , 2014, 37, 1092-1100.	8.6	56
50	Mechanisms Linking Excess Adiposity and Carcinogenesis Promotion. <i>Frontiers in Endocrinology</i> , 2014, 5, 65.	3.5	110
51	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.	3.6	98
52	Increased Cardiometabolic Risk Factors and Inflammation in Adipose Tissue in Obese Subjects Classified as Metabolically Healthy. <i>Diabetes Care</i> , 2014, 37, 2813-2821.	8.6	116
53	Circulating Betatrophin Concentrations Are Decreased in Human Obesity and Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2004-E2009.	3.6	157
54	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.	2.4	16

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55	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.	2.1	10
56	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.	2.5	68
57	Adipopharmacology of inflammation and insulin resistance. <i>Biomedical Reviews</i> , 2014, 17, 43.	0.6	7
58	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.	3.9	26
59	Targeting the Circulating MicroRNA Signature of Obesity. <i>Clinical Chemistry</i> , 2013, 59, 781-792.	3.2	373
60	Increased levels of chemerin and its receptor, chemokine-like receptor-1, in obesity are related to inflammation: tumor necrosis factor- α stimulates mRNA levels of chemerin in visceral adipocytes from obese patients. <i>Surgery for Obesity and Related Diseases</i> , 2013, 9, 306-314.	1.2	61
61	Adipose tissue immunity and cancer. <i>Frontiers in Physiology</i> , 2013, 4, 275.	2.8	119
62	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.	2.3	16
63	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.	3.6	69
64	The α -Lysophosphatidylinositol GPR55 System and Its Potential Role in Human Obesity. <i>Diabetes</i> , 2012, 61, 281-291.	0.6	134
65	Clinical Usefulness of a New Equation for Estimating Body Fat. <i>Diabetes Care</i> , 2012, 35, 383-388.	8.6	177
66	Identification of liver proteins altered by type 2 diabetes mellitus in obese subjects. <i>Liver International</i> , 2012, 32, 951-961.	3.9	39
67	Obesity and prostate cancer: gene expression signature of human periprostatic adipose tissue. <i>BMC Medicine</i> , 2012, 10, 108.	5.5	74
68	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.	2.1	40
69	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.	2.1	15
70	Sleeve Gastrectomy Reduces Blood Pressure in Obese (fa/fa) Zucker Rats. <i>Obesity Surgery</i> , 2012, 22, 309-315.	2.1	15
71	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.	2.5	25
72	Role of extracellular matrix remodelling in adipose tissue pathophysiology: relevance in the development of obesity. <i>Histology and Histopathology</i> , 2012, 27, 1515-28.	0.7	55

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73	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.	4.4	105
74	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.	2.1	23
75	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.	4.2	57
76	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.	3.6	65
77	Aquaglyceroporins serve as metabolic gateways in adiposity and insulin resistance control. <i>Cell Cycle</i> , 2011, 10, 1548-1556.	2.6	119
78	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.	3.6	195
79	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.	0.5	47
80	Circulating omentin concentration increases after weight loss. <i>Nutrition and Metabolism</i> , 2010, 7, 27.	3.0	181
81	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.	4.2	71
82	The Gene Expression of the Main Lipogenic Enzymes is Downregulated in Visceral Adipose Tissue of Obese Subjects. <i>Obesity</i> , 2010, 18, 13-20.	3.0	99
83	Complement Factor H Is Expressed in Adipose Tissue in Association With Insulin Resistance. <i>Diabetes</i> , 2010, 59, 200-209.	0.6	88
84	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> , 2010, 2010, 1-15.	3.0	33
85	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.	3.0	40
86	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.	3.0	32
87	Deletion of Inducible Nitric-Oxide Synthase in Leptin-Deficient Mice Improves Brown Adipose Tissue Function. <i>PLoS ONE</i> , 2010, 5, e10962.	2.5	46
88	Leptin Administration Favors Muscle Mass Accretion by Decreasing FoxO3a and Increasing PGC-1 α in ob/ob Mice. <i>PLoS ONE</i> , 2009, 4, e6808.	2.5	118
89	RIP140 Gene and Protein Expression Levels are Downregulated in Visceral Adipose Tissue in Human Morbid Obesity. <i>Obesity Surgery</i> , 2009, 19, 771-776.	2.1	11
90	Adipokines in the treatment of diabetes mellitus and obesity. <i>Expert Opinion on Pharmacotherapy</i> , 2009, 10, 239-254.	1.8	50

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91	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.	2.4	86
92	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.	2.1	64
93	Impaired adiponectin-AMPK signalling in insulin-sensitive tissues of hypertensive rats. <i>Life Sciences</i> , 2008, 83, 540-549.	4.3	43
94	Visceral and Subcutaneous Adiposity: Are Both Potential Therapeutic Targets for Tackling the Metabolic Syndrome?. <i>Current Pharmaceutical Design</i> , 2007, 13, 2169-2175.	1.9	120
95	Plasma Osteopontin Levels and Expression in Adipose Tissue Are Increased in Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 3719-3727.	3.6	183
96	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.	2.1	18
97	Proinflammatory Cytokines in Obesity: Impact of Type 2 Diabetes Mellitus and Gastric Bypass. <i>Obesity Surgery</i> , 2007, 17, 1464-1474.	2.1	165
98	Role of aquaporin-7 in the pathophysiological control of fat accumulation in mice. <i>FEBS Letters</i> , 2006, 580, 4771-4776.	2.8	74
99	Aquaporin-7 and glycerol permeability as novel obesity drug-target pathways. <i>Trends in Pharmacological Sciences</i> , 2006, 27, 345-347.	8.7	52
100	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.	0.5	37
101	Increased Serum Amyloid A Concentrations in Morbid Obesity Decrease after Gastric Bypass. <i>Obesity Surgery</i> , 2006, 16, 262-269.	2.1	92
102	Gene expression profile induced by BCNU in human glioma cell lines with differential MGMT expression. <i>Journal of Neuro-Oncology</i> , 2005, 73, 189-198.	2.9	10
103	Gene expression profile of omental adipose tissue in human obesity. <i>FASEB Journal</i> , 2004, 18, 215-217.	0.5	155
104	Dysregulation of apoptosis is a major mechanism in the lymph node involvement in colorectal carcinoma. <i>Oncology Reports</i> , 2004, 12, 287.	2.6	6