

Nathalie Viguerie

List of Publications by Citations

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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.

87
papers

5,958
citations

41
h-index

77
g-index

88
ext. papers

6,595
ext. citations

6.6
avg. IF

4.69
L-index

#	Paper	IF	Citations
87	Reduction of macrophage infiltration and chemoattractant gene expression changes in white adipose tissue of morbidly obese subjects after surgery-induced weight loss. <i>Diabetes</i> , 2005 , 54, 2277-86	0.9	870
86	Weight loss regulates inflammation-related genes in white adipose tissue of obese subjects. <i>FASEB Journal</i> , 2004 , 18, 1657-69	0.9	506
85	Adipose tissue transcriptomic signature highlights the pathological relevance of extracellular matrix in human obesity. <i>Genome Biology</i> , 2008 , 9, R14	18.3	300
84	Adipocyte lipases and defect of lipolysis in human obesity. <i>Diabetes</i> , 2005 , 54, 3190-7	0.9	293
83	Effect of aerobic training on plasma levels and subcutaneous abdominal adipose tissue gene expression of adiponectin, leptin, interleukin 6, and tumor necrosis factor alpha in obese women. <i>Metabolism: Clinical and Experimental</i> , 2006 , 55, 1375-81	12.7	150
82	Partial inhibition of adipose tissue lipolysis improves glucose metabolism and insulin sensitivity without alteration of fat mass. <i>PLoS Biology</i> , 2013 , 11, e1001485	9.7	143
81	Macrophages and adipocytes in human obesity: adipose tissue gene expression and insulin sensitivity during calorie restriction and weight stabilization. <i>Diabetes</i> , 2009 , 58, 1558-67	0.9	142
80	Serum amyloid A: production by human white adipocyte and regulation by obesity and nutrition. <i>Diabetologia</i> , 2005 , 48, 519-28	10.3	139
79	Irf5 deficiency in macrophages promotes beneficial adipose tissue expansion and insulin sensitivity during obesity. <i>Nature Medicine</i> , 2015 , 21, 610-8	50.5	130
78	Natriuretic peptides enhance the oxidative capacity of human skeletal muscle. <i>Journal of Clinical Investigation</i> , 2012 , 122, 4675-9	15.9	127
77	In vivo regulation of human skeletal muscle gene expression by thyroid hormone. <i>Genome Research</i> , 2002 , 12, 281-91	9.7	124
76	Cathepsin S, a novel biomarker of adiposity: relevance to atherogenesis. <i>FASEB Journal</i> , 2005 , 19, 1540-20.9	20.9	119
75	Adipose tissue gene expression in obese subjects during low-fat and high-fat hypocaloric diets. <i>Diabetologia</i> , 2005 , 48, 123-31	10.3	113
74	Effects of different hypocaloric diets on protein secretion from adipose tissue of obese women. <i>Diabetes</i> , 2004 , 53, 1966-71	0.9	112
73	Effect of endurance training on skeletal muscle myokine expression in obese men: identification of apelin as a novel myokine. <i>International Journal of Obesity</i> , 2014 , 38, 707-13	5.5	111
72	Dynamic strength training improves insulin sensitivity without altering plasma levels and gene expression of adipokines in subcutaneous adipose tissue in obese men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 5107-12	5.6	111
71	Immune cell Toll-like receptor 4 mediates the development of obesity- and endotoxemia-associated adipose tissue fibrosis. <i>Cell Reports</i> , 2014 , 7, 1116-29	10.6	90

70	Triiodothyronine-mediated up-regulation of UCP2 and UCP3 mRNA expression in human skeletal muscle without coordinated induction of mitochondrial respiratory chain genes. <i>FASEB Journal</i> , 2001 , 15, 13-15	0.9	87
69	Worsening of obesity and metabolic status yields similar molecular adaptations in human subcutaneous and visceral adipose tissue: decreased metabolism and increased immune response. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, E73-82	5.6	82
68	Plasma levels and adipose tissue messenger ribonucleic acid expression of retinol-binding protein 4 are reduced during calorie restriction in obese subjects but are not related to diet-induced changes in insulin sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 2330-5	5.6	82
67	Peroxisome proliferator-activated receptor-alpha control of lipid and glucose metabolism in human white adipocytes. <i>Endocrinology</i> , 2010 , 151, 123-33	4.8	79
66	Adiponutrin: A new gene regulated by energy balance in human adipose tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2684-9	5.6	79
65	Regulation of human adipocyte gene expression by thyroid hormone. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 630-4	5.6	79
64	A role for adipocyte-derived lipopolysaccharide-binding protein in inflammation- and obesity-associated adipose tissue dysfunction. <i>Diabetologia</i> , 2013 , 56, 2524-37	10.3	75
63	The transcriptional coactivator peroxisome proliferator activated receptor (PPAR)gamma coactivator-1 alpha and the nuclear receptor PPAR alpha control the expression of glycerol kinase and metabolism genes independently of PPAR gamma activation in human white adipocytes. <i>Diabetes</i> , 2007 , 56, 2467-75	0.9	70
62	Role of adipokines in the control of energy metabolism: focus on adiponectin. <i>Current Opinion in Pharmacology</i> , 2006 , 6, 580-5	5.1	70
61	An intervention study of the effects of calcium intake on faecal fat excretion, energy metabolism and adipose tissue mRNA expression of lipid-metabolism related proteins. <i>International Journal of Obesity</i> , 2007 , 31, 1704-12	5.5	67
60	Contribution of energy restriction and macronutrient composition to changes in adipose tissue gene expression during dietary weight-loss programs in obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 4315-22	5.6	64
59	Macrophage gene expression is related to obesity and the metabolic syndrome in human subcutaneous fat as well as in visceral fat. <i>Diabetologia</i> , 2011 , 54, 876-87	10.3	60
58	Adiponectin gene expression and plasma values in obese women during very-low-calorie diet. Relationship with cardiovascular risk factors and insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 756-60	5.6	60
57	Endurance exercise training up-regulates lipolytic proteins and reduces triglyceride content in skeletal muscle of obese subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 4863-71	5.6	57
56	Transcriptomics applied to obesity and caloric restriction. <i>Biochimie</i> , 2005 , 87, 117-23	4.6	57
55	Adiponectin gene expression in subcutaneous adipose tissue of obese women in response to short-term very low calorie diet and refeeding. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 5881-6	5.6	56
54	Adipose tissue transcriptome reflects variations between subjects with continued weight loss and subjects regaining weight 6 mo after caloric restriction independent of energy intake. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 975-84	7	52
53	Semicarbazide-sensitive amine oxidase/vascular adhesion protein-1 activity exerts an antidiabetic action in Goto-Kakizaki rats. <i>Diabetes</i> , 2003 , 52, 1004-13	0.9	52

52	A distinct adipose tissue gene expression response to caloric restriction predicts 6-mo weight maintenance in obese subjects. <i>American Journal of Clinical Nutrition</i> , 2011 , 94, 1399-409	7	48
51	In vivo epinephrine-mediated regulation of gene expression in human skeletal muscle. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 2000-14	5.6	48
50	Increase in uncoupling protein-2 mRNA expression by BRL49653 and bromopalmitate in human adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 256, 138-41	3.4	48
49	Adipose gene expression prior to weight loss can differentiate and weakly predict dietary responders. <i>PLoS ONE</i> , 2007 , 2, e1344	3.7	42
48	Determinants of human adipose tissue gene expression: impact of diet, sex, metabolic status, and cis genetic regulation. <i>PLoS Genetics</i> , 2012 , 8, e1002959	6	41
47	The effects of increasing serum calcitriol on energy and fat metabolism and gene expression. <i>Obesity</i> , 2006 , 14, 1739-46	8	41
46	Caloric Restriction and Diet-Induced Weight Loss Do Not Induce Browning of Human Subcutaneous White Adipose Tissue in Women and Men with Obesity. <i>Cell Reports</i> , 2018 , 22, 1079-1089	10.6	40
45	Weight loss improves the adipogenic capacity of human preadipocytes and modulates their secretory profile. <i>Diabetes</i> , 2013 , 62, 1990-5	0.9	37
44	Effect of thyroid hormone on gene expression. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2003 , 6, 377-81	3.8	37
43	Effect of endurance training on adrenergic control of lipolysis in adipose tissue of obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 1325-31	5.6	37
42	Dynamic strength training improves insulin sensitivity and functional balance between adrenergic alpha 2A and beta pathways in subcutaneous adipose tissue of obese subjects. <i>Diabetologia</i> , 2005 , 48, 2631-40	10.3	37
41	Effects of 3 diets with various calcium contents on 24-h energy expenditure, fat oxidation, and adipose tissue message RNA expression of lipid metabolism-related proteins. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 1244-52	7	37
40	Growth and differentiation factor 15 is secreted by skeletal muscle during exercise and promotes lipolysis in humans. <i>JCI Insight</i> , 2020 , 5,	9.9	37
39	Transcriptome profiling from adipose tissue during a low-calorie diet reveals predictors of weight and glycemic outcomes in obese, nondiabetic subjects. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 736-746	7	36
38	Protein quantitative trait locus study in obesity during weight-loss identifies a leptin regulator. <i>Nature Communications</i> , 2017 , 8, 2084	17.4	36
37	Analyses of single nucleotide polymorphisms in selected nutrient-sensitive genes in weight-regain prevention: the DIOGENES study. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 1254-60	7	32
36	Circulating ACE is a predictor of weight loss maintenance not only in overweight and obese women, but also in men. <i>International Journal of Obesity</i> , 2012 , 36, 1545-51	5.5	31
35	Dexamethasone effects on somatostatin receptors in pancreatic acinar AR4-2J cells. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 147, 942-8	3.4	30

34	System model network for adipose tissue signatures related to weight changes in response to calorie restriction and subsequent weight maintenance. <i>PLoS Computational Biology</i> , 2015 , 11, e1004047 ⁵		28
33	Profiling of adipokines secreted from human subcutaneous adipose tissue in response to PPAR agonists. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 358, 897-902	3.4	28
32	Interaction between hormone-sensitive lipase and ChREBP in fat cells controls insulin sensitivity. <i>Nature Metabolism</i> , 2019 , 1, 133-146	14.6	26
31	Hypocaloric Diet Reduces Exercise-Induced β -Adrenergic Antilipolytic Effect and β -Adrenergic Receptor mRNA Levels in Adipose Tissue of Obese Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 1274-1281	5.6	25
30	Semaphorin 3C is a novel adipokine linked to extracellular matrix composition. <i>Diabetologia</i> , 2013 , 56, 1792-801	10.3	24
29	Gene expression profiling of human skeletal muscle in response to stabilized weight loss. <i>American Journal of Clinical Nutrition</i> , 2008 , 88, 125-32	7	24
28	Natriuretic peptides promote glucose uptake in a cGMP-dependent manner in human adipocytes. <i>Scientific Reports</i> , 2018 , 8, 1097	4.9	22
27	Apolipoprotein M: a novel adipokine decreasing with obesity and upregulated by calorie restriction. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1499-1510	7	20
26	Metabolic syndrome, circulating RBP4, testosterone, and SHBG predict weight regain at 6 months after weight loss in men. <i>Obesity</i> , 2013 , 21, 1997-2006	8	20
25	Visfatin expression in subcutaneous adipose tissue of pre-menopausal women: relation to hormones and weight reduction. <i>European Journal of Clinical Investigation</i> , 2008 , 38, 516-22	4.6	20
24	Molecular Biomarkers for Weight Control in Obese Individuals Subjected to a Multiphase Dietary Intervention. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 2751-2761	5.6	19
23	Impact of a mechanical massage on gene expression profile and lipid mobilization in female gluteofemoral adipose tissue. <i>Obesity Facts</i> , 2011 , 4, 121-9	5.1	19
22	Microarray profiling of human white adipose tissue after exogenous leptin injection. <i>European Journal of Clinical Investigation</i> , 2006 , 36, 153-63	4.6	19
21	MAFB as a novel regulator of human adipose tissue inflammation. <i>Diabetologia</i> , 2015 , 58, 2115-23	10.3	17
20	Pro-fibrotic activity of lysophosphatidic acid in adipose tissue: in vivo and in vitro evidence. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 88-96	5	17
19	Multiple effects of a short-term dexamethasone treatment in human skeletal muscle and adipose tissue. <i>Physiological Genomics</i> , 2012 , 44, 141-51	3.6	17
18	Plasma metabolites and lipids predict insulin sensitivity improvement in obese, nondiabetic individuals after a 2-phase dietary intervention. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 13-23	7	15
17	Influence of SNPs in nutrient-sensitive candidate genes and gene-diet interactions on blood lipids: the DiOGenes study. <i>British Journal of Nutrition</i> , 2013 , 110, 790-6	3.6	12

16	Genome-wide gene-based analyses of weight loss interventions identify a potential role for NKX6.3 in metabolism. <i>Nature Communications</i> , 2019 , 10, 540	17.4	11
15	Solubilization and characterization of guinea-pig pancreatic somatostatin receptors. <i>FEBS Journal</i> , 1987 , 164, 667-73		11
14	Integrative phenotyping of glycemic responders upon clinical weight loss using multi-omics. <i>Scientific Reports</i> , 2020 , 10, 9236	4.9	9
13	FADS1 genotype is distinguished by human subcutaneous adipose tissue fatty acids, but not inflammatory gene expression. <i>International Journal of Obesity</i> , 2019 , 43, 1539-1548	5.5	8
12	. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2003 , 6, 377-381	3.8	8
11	Atrial Natriuretic Peptide Orchestrates a Coordinated Physiological Response to Fuel Non-shivering Thermogenesis. <i>Cell Reports</i> , 2020 , 32, 108075	10.6	8
10	Adipose tissue CIDEA is associated, independently of weight variation, to change in insulin resistance during a longitudinal weight control dietary program in obese individuals. <i>PLoS ONE</i> , 2014 , 9, e98707	3.7	7
9	Niacin induces miR-502-3p expression which impairs insulin sensitivity in human adipocytes. <i>International Journal of Obesity</i> , 2019 , 43, 1485-1490	5.5	7
8	Inferring Networks from Multiple Samples with Consensus LASSO. <i>Quality Technology and Quantitative Management</i> , 2014 , 11, 39-60	1.9	5
7	Apolipoprotein M: new connections with diet, adipose tissue and metabolic syndrome. <i>Current Opinion in Lipidology</i> , 2020 , 31, 8-14	4.4	4
6	Multiple hot-deck imputation for network inference from RNA sequencing data. <i>Bioinformatics</i> , 2018 , 34, 1726-1732	7.2	3
5	Network analyses reveal negative link between changes in adipose tissue GDF15 and BMI during dietary induced weight loss. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 ,	5.6	1
4	Metabolic and cardiovascular adaptations to an 8-wk lifestyle weight loss intervention in younger and older obese men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 321, E325-E337	6	0
3	Contribution of Omics Approaches to Understand the Pathophysiology of Obesity 2013 , 267-281		
2	Adipose tissue 2008 , 51-58		
1	Nutrients and Gene Expression in Type 2 Diabetes 2020 , 441-445		