

Gijs H Goossens

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

12,779
citations

61984
43
h-index

29157
104
g-index

111
all docs

111
docs citations

111
times ranked

24039
citing authors

#	ARTICLE	IF	CITATIONS
1	The Metabolic Phenotype in Obesity: Fat Mass, Body Fat Distribution, and Adipose Tissue Function. <i>Obesity Facts</i> , 2017, 10, 207-215.	3.4	5,743
2	Calorie Restriction-like Effects of 30 Days of Resveratrol Supplementation on Energy Metabolism and Metabolic Profile in Obese Humans. <i>Cell Metabolism</i> , 2011, 14, 612-622.	16.2	1,072
3	The role of adipose tissue dysfunction in the pathogenesis of obesity-related insulin resistance. <i>Physiology and Behavior</i> , 2008, 94, 206-218.	2.1	443
4	Effects of Gut Microbiota Manipulation by Antibiotics on Host Metabolism in Obese Humans: A Randomized Double-Blind Placebo-Controlled Trial. <i>Cell Metabolism</i> , 2016, 24, 63-74.	16.2	278
5	One Week of Bed Rest Leads to Substantial Muscle Atrophy and Induces Whole-Body Insulin Resistance in the Absence of Skeletal Muscle Lipid Accumulation. <i>Diabetes</i> , 2016, 65, 2862-2875.	0.6	267
6	Increased Adipose Tissue Oxygen Tension in Obese Compared With Lean Men Is Accompanied by Insulin Resistance, Impaired Adipose Tissue Capillarization, and Inflammation. <i>Circulation</i> , 2011, 124, 67-76.	1.6	257
7	Obesity and the lung: 5 {middle dot} Obesity and COPD. <i>Thorax</i> , 2008, 63, 1110-1117.	5.6	245
8	Colonic infusions of short-chain fatty acid mixtures promote energy metabolism in overweight/obese men: a randomized crossover trial. <i>Scientific Reports</i> , 2017, 7, 2360.	3.3	216
9	Circulating but not faecal short-chain fatty acids are related to insulin sensitivity, lipolysis and GLP-1 concentrations in humans. <i>Scientific Reports</i> , 2019, 9, 12515.	3.3	200
10	N ^ε -(Carboxymethyl)lysine-Receptor for Advanced Glycation End Product Axis Is a Key Modulator of Obesity-Induced Dysregulation of Adipokine Expression and Insulin Resistance. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1199-1208.	2.4	165
11	Possible involvement of the adipose tissue renin-angiotensin system in the pathophysiology of obesity and obesity-related disorders. <i>Obesity Reviews</i> , 2003, 4, 43-55.	6.5	163
12	Ectopic Fat Storage in the Pancreas, Liver, and Abdominal Fat Depots: Impact on β -Cell Function in Individuals with Impaired Glucose Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 459-467.	3.6	160
13	Sexual dimorphism in cardiometabolic health: the role of adipose tissue, muscle and liver. <i>Nature Reviews Endocrinology</i> , 2021, 17, 47-66.	9.6	155
14	Supplementation of Diet With Galacto-oligosaccharides Increases Bifidobacteria, but Not Insulin Sensitivity, in Obese Prediabetic Individuals. <i>Gastroenterology</i> , 2017, 153, 87-97.e3.	1.3	150
15	The ABCD of Obesity: An EASO Position Statement on a Diagnostic Term with Clinical and Scientific Implications. <i>Obesity Facts</i> , 2019, 12, 131-136.	3.4	143
16	The effects of 30 days resveratrol supplementation on adipose tissue morphology and gene expression patterns in obese men. <i>International Journal of Obesity</i> , 2014, 38, 470-473.	3.4	115
17	Targeting fatty acid metabolism to improve glucose metabolism. <i>Obesity Reviews</i> , 2015, 16, 715-757.	6.5	113
18	Adipose Tissue Dysfunction and Impaired Metabolic Health in Human Obesity: A Matter of Oxygen?. <i>Frontiers in Endocrinology</i> , 2015, 6, 55.	3.5	103

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19	Gut microbiota composition in relation to the metabolic response to 12-week combined polyphenol supplementation in overweight men and women. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 1040-1045.	2.9	103
20	Expression of NLRP3 inflammasome and T cell population markers in adipose tissue are associated with insulin resistance and impaired glucose metabolism in humans. <i>Molecular Immunology</i> , 2012, 50, 142-149.	2.2	98
21	Improved Insulin Sensitivity With Angiotensin Receptor Neprilysin Inhibition in Individuals With Obesity and Hypertension. <i>Clinical Pharmacology and Therapeutics</i> , 2017, 101, 254-263.	4.7	89
22	Upper and Lower Body Adipose Tissue Function: A Direct Comparison of Fat Mobilization in Humans. <i>Obesity</i> , 2004, 12, 114-118.	4.0	85
23	Combined epigallocatechin-3-gallate and resveratrol supplementation for 12 wk increases mitochondrial capacity and fat oxidation, but not insulin sensitivity, in obese humans: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 215-227.	4.7	85
24	Valsartan Improves β^2 -Cell Function and Insulin Sensitivity in Subjects With Impaired Glucose Metabolism. <i>Diabetes Care</i> , 2011, 34, 845-851.	8.6	79
25	The Renin-Angiotensin System in the Pathophysiology of Type 2 Diabetes. <i>Obesity Facts</i> , 2012, 5, 611-624.	3.4	73
26	Oxygenation of adipose tissue: A human perspective. <i>Acta Physiologica</i> , 2020, 228, e13298.	3.8	72
27	Effect of beta-adrenergic stimulation on whole-body and abdominal subcutaneous adipose tissue lipolysis in lean and obese men. <i>Diabetologia</i> , 2008, 51, 320-327.	6.3	71
28	Ectopic Fat Accumulation in Distinct Insulin Resistant Phenotypes; Targets for Personalized Nutritional Interventions. <i>Frontiers in Nutrition</i> , 2018, 5, 77.	3.7	71
29	Angiotensin II-Induced Effects on Adipose and Skeletal Muscle Tissue Blood Flow and Lipolysis in Normal-Weight and Obese Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 2690-2696.	3.6	67
30	European Association for the Study of Obesity Position Statement on the Global COVID-19 Pandemic. <i>Obesity Facts</i> , 2020, 13, 292-296.	3.4	63
31	The Impact of Artificial Sweeteners on Body Weight Control and Glucose Homeostasis. <i>Frontiers in Nutrition</i> , 2020, 7, 598340.	3.7	62
32	Adipose triglyceride lipase (ATGL) expression in human skeletal muscle is type I (oxidative) fiber specific. <i>Histochemistry and Cell Biology</i> , 2008, 129, 535-538.	1.7	58
33	Adipose tissue oxygen tension. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 539-546.	2.5	57
34	Endocrine Role of the Renin-Angiotensin System in Human Adipose Tissue and Muscle. <i>Hypertension</i> , 2007, 49, 542-547.	2.7	56
35	Insulin-mediated suppression of lipolysis in adipose tissue and skeletal muscle of obese type 2 diabetic men and men with normal glucose tolerance. <i>Diabetologia</i> , 2013, 56, 2255-2265.	6.3	54
36	Short-term supplementation with a specific combination of dietary polyphenols increases energy expenditure and alters substrate metabolism in overweight subjects. <i>International Journal of Obesity</i> , 2014, 38, 698-706.	3.4	54

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37	The Impact of Dairy Products in the Development of Type 2 Diabetes: Where Does the Evidence Stand in 2019?. <i>Advances in Nutrition</i> , 2019, 10, 1066-1075.	6.4	53
38	Exercise training-induced effects on the abdominal subcutaneous adipose tissue phenotype in humans with obesity. <i>Journal of Applied Physiology</i> , 2018, 125, 1585-1593.	2.5	52
39	Obesity and COVID-19: The Two Sides of the Coin. <i>Obesity Facts</i> , 2020, 13, 430-438.	3.4	51
40	Plasma pigment epithelium-derived factor is positively associated with obesity in Caucasian subjects, in particular with the visceral fat depot. <i>European Journal of Endocrinology</i> , 2008, 159, 713-718.	3.7	50
41	Dietary macronutrients and the gut microbiome: a precision nutrition approach to improve cardiometabolic health. <i>Gut</i> , 2022, 71, 1214-1226.	12.1	50
42	Obesity and COVID-19: A Perspective from the European Association for the Study of Obesity on Immunological Perturbations, Therapeutic Challenges, and Opportunities in Obesity. <i>Obesity Facts</i> , 2020, 13, 439-452.	3.4	49
43	Angiotensin II: a hormone that affects lipid metabolism in adipose tissue. <i>International Journal of Obesity</i> , 2007, 31, 382-384.	3.4	45
44	Characterization of the inflammatory and metabolic profile of adipose tissue in a mouse model of chronic hypoxia. <i>Journal of Applied Physiology</i> , 2013, 114, 1619-1628.	2.5	45
45	Valsartan Improves Adipose Tissue Function in Humans with Impaired Glucose Metabolism: A Randomized Placebo-Controlled Double-Blind Trial. <i>PLoS ONE</i> , 2012, 7, e39930.	2.5	44
46	PUFAs acutely affect triacylglycerol-derived skeletal muscle fatty acid uptake and increase postprandial insulin sensitivity. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 825-836.	4.7	42
47	Hormone-Sensitive Lipase Serine Phosphorylation and Glycerol Exchange Across Skeletal Muscle in Lean and Obese Subjects. <i>Diabetes</i> , 2008, 57, 1834-1841.	0.6	38
48	Angiotensin II: a major regulator of subcutaneous adipose tissue blood flow in humans. <i>Journal of Physiology</i> , 2006, 571, 451-460.	2.9	37
49	Metabolic profiling of tissue-specific insulin resistance in human obesity: results from the Diogenes study and the Maastricht Study. <i>International Journal of Obesity</i> , 2020, 44, 1376-1386.	3.4	36
50	Several obesity- and nutrient-related gene polymorphisms but not FTO and UCP variants modulate postabsorptive resting energy expenditure and fat-induced thermogenesis in obese individuals: the NUGENOB Study. <i>International Journal of Obesity</i> , 2009, 33, 669-679.	3.4	35
51	Subcutaneous Adipose Tissue and Systemic Inflammation Are Associated With Peripheral but Not Hepatic Insulin Resistance in Humans. <i>Diabetes</i> , 2019, 68, 2247-2258.	0.6	35
52	Diet-induced weight loss decreases adipose tissue oxygen tension with parallel changes in adipose tissue phenotype and insulin sensitivity in overweight humans. <i>International Journal of Obesity</i> , 2017, 41, 722-728.	3.4	33
53	Short-term bed rest-induced insulin resistance cannot be explained by increased mitochondrial H ₂ O ₂ emission. <i>Journal of Physiology</i> , 2020, 598, 123-137.	2.9	32
54	Resveratrol supplementation reduces ACE2 expression in human adipose tissue. <i>Adipocyte</i> , 2021, 10, 408-411.	2.8	32

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55	Does interference with the renin-angiotensin system protect against diabetes? Evidence and mechanisms. <i>Diabetes, Obesity and Metabolism</i> , 2012, 14, 586-595.	4.4	31
56	Adipose tissue autophagy related gene expression is associated with glucometabolic status in human obesity. <i>Adipocyte</i> , 2018, 7, 12-19.	2.8	31
57	The effects of polyphenol supplementation on adipose tissue morphology and gene expression in overweight and obese humans. <i>Adipocyte</i> , 2018, 7, 190-196.	2.8	31
58	Blood flow restricted resistance exercise and reductions in oxygen tension attenuate mitochondrial H_2O_2 emission rates in human skeletal muscle. <i>Journal of Physiology</i> , 2019, 597, 3985-3997.	2.9	31
59	Effect of Sacubitril/Valsartan on Exercise-Induced Lipid Metabolism in Patients With Obesity and Hypertension. <i>Hypertension</i> , 2018, 71, 70-77.	2.7	29
60	Skeletal Muscle Lipase Content and Activity in Obesity and Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 5449-5453.	3.6	26
61	Vitamin D and Tissue-Specific Insulin Sensitivity in Humans With Overweight/Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 49-56.	3.6	25
62	Short-term β -adrenergic regulation of leptin, adiponectin and interleukin-6 secretion <i>in vivo</i> in lean and obese subjects. <i>Diabetes, Obesity and Metabolism</i> , 2008, 10, 1029-1038.	4.4	23
63	Altered skeletal muscle fatty acid handling is associated with the degree of insulin resistance in overweight and obese humans. <i>Diabetologia</i> , 2016, 59, 2686-2696.	6.3	23
64	A 3-day EGCG-supplementation reduces interstitial lactate concentration in skeletal muscle of overweight subjects. <i>Scientific Reports</i> , 2016, 5, 17896.	3.3	22
65	Muscle fiber capillarization as determining factor on indices of insulin sensitivity in humans. <i>Physiological Reports</i> , 2017, 5, e13278.	1.7	22
66	Impaired insulin sensitivity is accompanied by disturbances in skeletal muscle fatty acid handling in subjects with impaired glucose metabolism. <i>International Journal of Obesity</i> , 2012, 36, 709-717.	3.4	21
67	Individual and cohort-specific gut microbiota patterns associated with tissue-specific insulin sensitivity in overweight and obese males. <i>Scientific Reports</i> , 2020, 10, 7523.	3.3	21
68	Altered Skeletal Muscle Fatty Acid Handling in Subjects with Impaired Glucose Tolerance as Compared to Impaired Fasting Glucose. <i>Nutrients</i> , 2016, 8, 164.	4.1	20
69	Contribution of lipase deficiency to mitochondrial dysfunction and insulin resistance in hMADS adipocytes. <i>International Journal of Obesity</i> , 2016, 40, 507-513.	3.4	20
70	A comparison between the abdominal and femoral adipose tissue proteome of overweight and obese women. <i>Scientific Reports</i> , 2019, 9, 4202.	3.3	20
71	Gut microbiota composition strongly correlates to peripheral insulin sensitivity in obese men but not in women. <i>Beneficial Microbes</i> , 2017, 8, 557-562.	2.4	19
72	Adipose tissue oxygenation is associated with insulin sensitivity independently of adiposity in obese men and women. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2286-2290.	4.4	18

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73	Improved quantification of muscle insulin sensitivity using oral glucose tolerance test data: the MISI Calculator. <i>Scientific Reports</i> , 2019, 9, 9388.	3.3	18
74	Differences in Upper and Lower Body Adipose Tissue Oxygen Tension Contribute to the Adipose Tissue Phenotype in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3688-3697.	3.6	15
75	Plasma cathepsin D activity is negatively associated with hepatic insulin sensitivity in overweight and obese humans. <i>Diabetologia</i> , 2020, 63, 374-384.	6.3	15
76	OBEDIS Core Variables Project: European Expert Guidelines on a Minimal Core Set of Variables to Include in Randomized, Controlled Clinical Trials of Obesity Interventions. <i>Obesity Facts</i> , 2020, 13, 1-28.	3.4	15
77	Effect of short-term ACE inhibitor treatment on peripheral insulin sensitivity in obese insulin-resistant subjects. <i>Diabetologia</i> , 2006, 49, 3009-3016.	6.3	14
78	Adrenergically and non-adrenergically mediated human adipose tissue lipolysis during acute exercise and exercise training. <i>Clinical Science</i> , 2018, 132, 1685-1698.	4.3	14
79	Angiopietin-Like Protein 4 and Postprandial Skeletal Muscle Lipid Metabolism in Overweight and Obese Prediabetics. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 2332-2339.	3.6	13
80	The PERSONalized Glucose Optimization Through Nutritional Intervention (PERSON) Study: Rationale, Design and Preliminary Screening Results. <i>Frontiers in Nutrition</i> , 2021, 8, 694568.	3.7	13
81	Valsartan-induced improvement in insulin sensitivity is not paralleled by changes in microvascular function in individuals with impaired glucose metabolism. <i>Journal of Hypertension</i> , 2011, 29, 1955-1962.	0.5	11
82	The effects of amoxicillin and vancomycin on parameters reflecting cholesterol metabolism. <i>Chemistry and Physics of Lipids</i> , 2017, 207, 239-245.	3.2	10
83	Vaccinating People with Obesity for COVID-19: EASO Call for Action. <i>Obesity Facts</i> , 2021, 14, 334-335.	3.4	9
84	The impact of hypoxia exposure on glucose homeostasis in metabolically compromised humans: A systematic review. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2021, 22, 471-483.	5.7	9
85	Sexual Dimorphism in Body Weight Loss, Improvements in Cardiometabolic Risk Factors and Maintenance of Beneficial Effects 6 Months after a Low-Calorie Diet: Results from the Randomized Controlled DiOGenes Trial. <i>Nutrients</i> , 2021, 13, 1588.	4.1	9
86	Human Adipose Tissue Blood Flow and Micromanipulation of Human Subcutaneous Blood Flow. <i>Methods in Molecular Biology</i> , 2008, 456, 97-107.	0.9	9
87	Effect of diet-induced weight loss on angiotensin-like protein 4 and adipose tissue lipid metabolism in overweight and obese humans. <i>Physiological Reports</i> , 2018, 6, e13735.	1.7	8
88	Mild intermittent hypoxia exposure induces metabolic and molecular adaptations in men with obesity. <i>Molecular Metabolism</i> , 2021, 53, 101287.	6.5	8
89	Short-Term Microbiota Manipulation and Forearm Substrate Metabolism in Obese Men: A Randomized, Double-Blind, Placebo-Controlled Trial. <i>Obesity Facts</i> , 2018, 11, 318-326.	3.4	7
90	Adipose tissue metabolism and inflammation in obesity. , 2019, , 1-22.		7

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91	The angiotensin II type 1 receptor blocker valsartan in the battle against COVID-19. <i>Obesity</i> , 2021, 29, 1423-1426.	3.0	7
92	The effects of hydralazine on lipolysis in subcutaneous adipose tissue in humans. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 1742-1748.	3.4	6
93	The Effects of Long-Term Valsartan Treatment on Skeletal Muscle Fatty Acid Handling in Humans With Impaired Glucose Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E891-E896.	3.6	6
94	Cathepsin gene expression in abdominal subcutaneous adipose tissue of obese/overweight humans. <i>Adipocyte</i> , 2020, 9, 246-252.	2.8	6
95	Measurement of human abdominal and femoral intravascular adipose tissue blood flow using percutaneous Doppler ultrasound. <i>Adipocyte</i> , 2021, 10, 119-123.	2.8	6
96	Gut Microbiota Regulate Pancreatic Growth, Exocrine Function, and Gut Hormones. <i>Diabetes</i> , 2022, 71, 945-960.	0.6	6
97	Comment on Lecoultre et al. Ten Nights of Moderate Hypoxia Improves Insulin Sensitivity in Obese Humans. <i>Diabetes Care</i> 2013;36:e197â€“e198. <i>Diabetes Care</i> , 2014, 37, e155-e156.	8.6	4
98	Vitamin D release across abdominal adipose tissue in lean and obese men: The effect of ÅŸadrenergic stimulation. <i>Physiological Reports</i> , 2019, 7, e14308.	1.7	4
99	The Effects of Mild Intermittent Hypoxia Exposure on the Abdominal Subcutaneous Adipose Tissue Proteome in Overweight and Obese Men: A First-in-Human Randomized, Single-Blind, and Cross-Over Study. <i>Frontiers in Physiology</i> , 2021, 12, 791588.	2.8	2
100	C-reactive protein mediates the association of liver fat and carotid intimaâ€“media thickness in healthy men and men with the metabolic syndrome and/or uncomplicated type 2 diabetes. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2010, 4, 160-164.	3.6	1
101	What Is the Value of Obesity Research? Å– Comment on Blundell JE, Hebebrand J, Oppert JM. What is the value of obesity research? <i>Obes Facts</i> 2010;3:279Å–282.. <i>Obesity Facts</i> , 2012, 5, 298-304.	3.4	1
102	Unraveling the Pathophysiology of Obesity-Related Insulin Resistanceâ€“A Perspective on â€œAdipose Tissue Inflammation Is Directly Linked to Obesity-Induced Insulin Resistance, while Gut Dysbiosis and Mitochondrial Dysfunction Are Not Requiredâ€• <i>Function</i> , 2020, 1, zqaa021.	2.3	1
103	The impact of hormone therapy on cardiometabolic risk factors in trans persons: Implications and future perspectives. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, , .	3.6	1
104	Comment On Espinosa De Ycaza et al. Adipose Tissue Inflammation Is Not Related to Adipose Insulin Resistance in Humans. <i>Diabetes</i> 2022;71:381â€“393. <i>Diabetes</i> , 2022, 71, e6-e7.	0.6	1
105	Fecal carriage of <i>vanB</i> antibiotic resistance gene affects adipose tissue function under vancomycin use. <i>Gut Microbes</i> , 2022, 14, .	9.8	1
106	PS15 - 78. Increased adipose tissue oxygen tension in obesity is accompanied by insulin resistance, impaired adipose tissue capillarisation and inflammation. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2011, 9, 143-144.	0.0	0
107	Response to Letter Regarding Article, â€œIncreased Adipose Tissue Oxygen Tension in Obese Compared With Lean Men Is Accompanied by Insulin Resistance, Impaired Adipose Tissue Capillarization, and Inflammationâ€• <i>Circulation</i> , 2012, 125, .	1.6	0
108	Effects of gut microbiota manipulation on ex vivo lipolysis in human abdominal subcutaneous adipocytes. <i>Adipocyte</i> , 2018, 7, 1-7.	2.8	0

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109	The air that we (do not) breathe: lower adipose tissue oxygen availability in patients with obesity hypoventilation syndrome?. International Journal of Obesity, 2021, 45, 1161-1162.	3.4	0