

Mireille J Serlie

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

7,287
citations

109264

35
h-index

58549

82
g-index

106
all docs

106
docs citations

106
times ranked

11526
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfer of Intestinal Microbiota From Lean Donors Increases Insulin Sensitivity in Individuals With Metabolic Syndrome. <i>Gastroenterology</i> , 2012, 143, 913-916.e7.	0.6	2,287
2	Improvement of Insulin Sensitivity after Lean Donor Feces in Metabolic Syndrome Is Driven by Baseline Intestinal Microbiota Composition. <i>Cell Metabolism</i> , 2017, 26, 611-619.e6.	7.2	689
3	Impact of oral vancomycin on gut microbiota, bile acid metabolism, and insulin sensitivity. <i>Journal of Hepatology</i> , 2014, 60, 824-831.	1.8	475
4	Obesity Activates a Program of Lysosomal-Dependent Lipid Metabolism in Adipose Tissue Macrophages Independently of Classic Activation. <i>Cell Metabolism</i> , 2013, 18, 816-830.	7.2	404
5	Fructose Consumption, Lipogenesis, and Non-Alcoholic Fatty Liver Disease. <i>Nutrients</i> , 2017, 9, 981.	1.7	226
6	Lower striatal dopamine D2/3 receptor availability in obese compared with non-obese subjects. <i>EJNMMI Research</i> , 2011, 1, 37.	1.1	149
7	Personal model-assisted identification of NAD ⁺ and γ -glutathione metabolism as intervention target in NAFLD. <i>Molecular Systems Biology</i> , 2017, 13, 916.	3.2	147
8	Integrated Network Analysis Reveals an Association between Plasma Mannose Levels and Insulin Resistance. <i>Cell Metabolism</i> , 2016, 24, 172-184.	7.2	133
9	Differential metabolic effects of oral butyrate treatment in lean versus metabolic syndrome subjects. <i>Clinical and Translational Gastroenterology</i> , 2018, 9, e155.	1.3	123
10	Hepatic Diacylglycerol-Associated Protein Kinase C μ Translocation Links Hepatic Steatosis to Hepatic Insulin Resistance in Humans. <i>Cell Reports</i> , 2017, 19, 1997-2004.	2.9	117
11	Hypercaloric diets with increased meal frequency, but not meal size, increase intrahepatic triglycerides: A randomized controlled trial. <i>Hepatology</i> , 2014, 60, 545-553.	3.6	110
12	The pathogenesis of obesity. <i>Metabolism: Clinical and Experimental</i> , 2019, 92, 26-36.	1.5	108
13	Clinical classification of adult patients with chronic intestinal failure due to benign disease: An international multicenter cross-sectional survey. <i>Clinical Nutrition</i> , 2018, 37, 728-738.	2.3	107
14	The role of central dopamine and serotonin in human obesity: lessons learned from molecular neuroimaging studies. <i>Metabolism: Clinical and Experimental</i> , 2018, 85, 325-339.	1.5	90
15	Low-dose glucocorticoid treatment affects multiple aspects of intermediary metabolism in healthy humans: a randomised controlled trial. <i>Diabetologia</i> , 2011, 54, 2103-2112.	2.9	87
16	A Membrane-Bound Diacylglycerol Species Induces PKC μ -Mediated Hepatic Insulin Resistance. <i>Cell Metabolism</i> , 2020, 32, 654-664.e5.	7.2	83
17	Effect of fructose consumption on insulin sensitivity in nondiabetic subjects: a systematic review and meta-analysis of diet-intervention trials. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 1562-1576.	2.2	81
18	Striatal dopamine regulates systemic glucose metabolism in humans and mice. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	79

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19	Type I Gaucher Disease, a Glycosphingolipid Storage Disorder, Is Associated with Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 845-851.	1.8	73
20	Gender-Related Differences in the Metabolic Response to Fasting. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 3646-3652.	1.8	69
21	Serotonin, food intake, and obesity. <i>Obesity Reviews</i> , 2021, 22, e13210.	3.1	68
22	Hepatic steatosis does not cause insulin resistance in people with familial hypobetalipoproteinaemia. <i>Diabetologia</i> , 2011, 54, 2113-2121.	2.9	60
23	Insulin resistance in obesity can be reliably identified from fasting plasma insulin. <i>International Journal of Obesity</i> , 2015, 39, 1703-1709.	1.6	53
24	Methods for quantifying adipose tissue insulin resistance in overweight/obese humans. <i>International Journal of Obesity</i> , 2017, 41, 1288-1294.	1.6	53
25	Treatment with <i>Anaerobutyricum soehngenii</i> : a pilot study of safety and dose-response effects on glucose metabolism in human subjects with metabolic syndrome. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 16.	2.9	53
26	Striatal dopamine receptor binding in morbidly obese women before and after gastric bypass surgery and its relationship with insulin sensitivity. <i>Diabetologia</i> , 2014, 57, 1078-1080.	2.9	50
27	Infusion of donor feces affects the gut-brain axis in humans with metabolic syndrome. <i>Molecular Metabolism</i> , 2020, 42, 101076.	3.0	50
28	Lysosomal Stress in Obese Adipose Tissue Macrophages Contributes to MITF-Dependent Gpnmb Induction. <i>Diabetes</i> , 2014, 63, 3310-3323.	0.3	49
29	Sexual Dimorphism in Hepatic, Adipose Tissue, and Peripheral Tissue Insulin Sensitivity in Obese Humans. <i>Frontiers in Endocrinology</i> , 2015, 6, 182.	1.5	48
30	Accelerated phosphatidylcholine turnover in macrophages promotes adipose tissue inflammation in obesity. <i>ELife</i> , 2019, 8, .	2.8	46
31	Serotonin, a possible intermediate between disturbed circadian rhythms and metabolic disease. <i>Neuroscience</i> , 2015, 301, 155-167.	1.1	42
32	Hepatic Insulin Resistance Is Not Pathway Selective in Humans With Nonalcoholic Fatty Liver Disease. <i>Diabetes Care</i> , 2021, 44, 489-498.	4.3	42
33	Prostaglandin profiling reveals a role for haematopoietic prostaglandin D synthase in adipose tissue macrophage polarisation in mice and humans. <i>International Journal of Obesity</i> , 2015, 39, 1151-1160.	1.6	40
34	Intravenous supplementation type and volume are associated with 1-year outcome and major complications in patients with chronic intestinal failure. <i>Gut</i> , 2020, 69, 1787-1795.	6.1	40
35	Striatal dopamine D2/3 receptor availability increases after long-term bariatric surgery-induced weight loss. <i>European Neuropsychopharmacology</i> , 2016, 26, 1190-1200.	0.3	39
36	RBP4 increases lipolysis in human adipocytes and is associated with increased lipolysis and hepatic insulin resistance in obese women. <i>FASEB Journal</i> , 2020, 34, 6099-6110.	0.2	39

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37	Cost-effectiveness of intestinal transplantation for adult patients with intestinal failure: a simulation study. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 79-86.	2.2	36
38	A Systematic Review and Meta-analysis of Timing and Outcome of Intestinal Failure Surgery in Patients with Enteric Fistula. <i>World Journal of Surgery</i> , 2018, 42, 695-706.	0.8	35
39	Hepatic and peripheral insulin sensitivity do not improve 2 weeks after bariatric surgery. <i>Obesity</i> , 2013, 21, 1143-1147.	1.5	33
40	Home parenteral nutrition provision modalities for chronic intestinal failure in adult patients: An international survey. <i>Clinical Nutrition</i> , 2020, 39, 585-591.	2.3	31
41	The Effect of a Diiodothyronine Mimetic on Insulin Sensitivity in Male Cardiometabolic Patients: A Double-Blind Randomized Controlled Trial. <i>PLoS ONE</i> , 2014, 9, e86890.	1.1	30
42	Acute Effects of Morning Light on Plasma Glucose and Triglycerides in Healthy Men and Men with Type 2 Diabetes. <i>Journal of Biological Rhythms</i> , 2017, 32, 130-142.	1.4	30
43	Assessing the Optimal Time Point for the Measurement of Extrastriatal Serotonin Transporter Binding with ¹²³ I-FP-CIT SPECT in Healthy, Male Subjects. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1087-1090.	2.8	29
44	Impaired insulin action in the liver, but not in adipose tissue or muscle, is a distinct metabolic feature of impaired fasting glucose in obese humans. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 757-763.	1.5	28
45	Serotonin Transporter Binding in the Diencephalon Is Reduced in Insulin-Resistant Obese Humans. <i>Neuroendocrinology</i> , 2017, 105, 141-149.	1.2	27
46	Chronic Treatment with Pioglitazone Does Not Protect Obese Patients with Diabetes Mellitus Type II from Free Fatty Acid-Induced Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 166-171.	1.8	26
47	The Role of the Gut Microbiota in the Gut-Brain Axis in Obesity: Mechanisms and Future Implications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2993.	1.8	26
48	Effects of T3 treatment on brown adipose tissue and energy expenditure in a patient with craniopharyngioma and hypothalamic obesity. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2015, 28, 53-7.	0.4	23
49	The FGF21 response to fructose predicts metabolic health and persists after bariatric surgery in obese humans. <i>Molecular Metabolism</i> , 2017, 6, 1493-1502.	3.0	23
50	Timing of caloric intake during weight loss differentially affects striatal dopamine transporter and thalamic serotonin transporter binding. <i>FASEB Journal</i> , 2017, 31, 4345-4554.	0.2	23
51	The water deprivation test and a potential role for the arginine vasopressin precursor copeptin to differentiate diabetes insipidus from primary polydipsia. <i>Endocrine Connections</i> , 2015, 4, 86-91.	0.8	21
52	Home parenteral nutrition-associated thromboembolic and bleeding events: results of a cohort study of 236 individuals. <i>Journal of Thrombosis and Haemostasis</i> , 2016, 14, 1364-1373.	1.9	21
53	Characteristics of adult patients with chronic intestinal failure due to short bowel syndrome: An international multicenter survey. <i>Clinical Nutrition ESPEN</i> , 2021, 45, 433-441.	0.5	21
54	Omega-3 long-chain fatty acids strongly induce angiopoietin-like 4 in humans. <i>Journal of Lipid Research</i> , 2013, 54, 615-621.	2.0	20

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55	Bariatric Surgery for Monogenic Non-syndromic and Syndromic Obesity Disorders. <i>Current Diabetes Reports</i> , 2020, 20, 44.	1.7	20
56	Alterations in blood glucose and plasma glucagon concentrations during deep brain stimulation in the shell region of the nucleus accumbens in rats. <i>Frontiers in Neuroscience</i> , 2013, 7, 226.	1.4	19
57	Outcome of acute intestinal failure. <i>British Journal of Surgery</i> , 2016, 103, 701-708.	0.1	19
58	Presentation of a nationwide multicenter registry of intestinal failure and intestinal transplantation. <i>Clinical Nutrition</i> , 2016, 35, 225-229.	2.3	18
59	Nutrition in the spotlight: metabolic effects of environmental light. <i>Proceedings of the Nutrition Society</i> , 2016, 75, 451-463.	0.4	17
60	Systematic review: pharmacotherapy for high-output enterostomies or enteral fistulas. <i>Alimentary Pharmacology and Therapeutics</i> , 2017, 46, 266-273.	1.9	16
61	Decreased serotonin transporter immunoreactivity in the human hypothalamic infundibular nucleus of overweight subjects. <i>Frontiers in Neuroscience</i> , 2014, 8, 106.	1.4	15
62	The osteoblast: Linking glucocorticoid-induced osteoporosis and hyperglycaemia? A post-hoc analysis of a randomised clinical trial. <i>Bone</i> , 2018, 112, 173-176.	1.4	15
63	Overweight and Obesity Are Associated With Acute Kidney Injury and Acute Respiratory Distress Syndrome, but Not With Increased Mortality in Hospitalized COVID-19 Patients: A Retrospective Cohort Study. <i>Frontiers in Endocrinology</i> , 2021, 12, 747732.	1.5	15
64	Meal timing effects on insulin sensitivity and intrahepatic triglycerides during weight loss. <i>International Journal of Obesity</i> , 2018, 42, 156-162.	1.6	14
65	Plasma Imidazole Propionate Is Positively Correlated with Blood Pressure in Overweight and Obese Humans. <i>Nutrients</i> , 2021, 13, 2706.	1.7	14
66	The interaction between nutrition and the brain and its consequences for body weight gain and metabolism; studies in rodents and men. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2014, 28, 649-659.	2.2	13
67	Infusion of fluoxetine, a serotonin reuptake inhibitor, in the shell region of the nucleus accumbens increases blood glucose concentrations in rats. <i>Neuroscience Letters</i> , 2017, 637, 85-90.	1.0	13
68	Pharmacokinetics of dabigatran etexilate and rivaroxaban in patients with short bowel syndrome requiring parenteral nutrition: The PDER PAN study. <i>Thrombosis Research</i> , 2017, 160, 76-82.	0.8	13
69	Anticoagulants for the prevention and treatment of catheter-related thrombosis in adults and children on parenteral nutrition: a systematic review and critical appraisal. <i>Blood Transfusion</i> , 2017, 15, 369-377.	0.3	13
70	The interrelation between FGF23 and glucose metabolism in humans. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 845-850.	1.2	12
71	The effect of dapagliflozin on apolipoprotein B and glucose fluxes in patients with type 2 diabetes and well-controlled plasma LDL cholesterol. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 988-996.	2.2	11
72	Differential effects of hypercaloric choice diets on insulin sensitivity in rats. <i>Journal of Endocrinology</i> , 2017, 232, 49-57.	1.2	10

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73	Brain dopamine and serotonin transporter binding are associated with visual attention bias for food in lean men. <i>Psychological Medicine</i> , 2016, 46, 1707-1717.	2.7	9
74	Adaptation of glucose metabolism to fasting in young children with infectious diseases: a perspective. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2014, 27, 5-13.	0.4	8
75	Blood pressure reduction after gastric bypass surgery is explained by a decrease in cardiac output. <i>Journal of Applied Physiology</i> , 2017, 122, 223-229.	1.2	8
76	One-week exposure to a free-choice high-fat high-sugar diet does not disrupt blood-brain barrier permeability in fed or overnight fasted rats. <i>Nutritional Neuroscience</i> , 2019, 22, 541-550.	1.5	8
77	The response to prolonged fasting in hypothalamic serotonin transporter availability is blunted in obesity. <i>Metabolism: Clinical and Experimental</i> , 2021, 123, 154839.	1.5	8
78	The vitamin D metabolites 25(OH)D and 1,25(OH)2D are not related to either glucose metabolism or insulin action in obese women. <i>Diabetes and Metabolism</i> , 2016, 42, 416-423.	1.4	7
79	Effects of a Carbohydrate-, Glutamine-, and Antioxidant-Enriched Oral Nutrition Supplement on Major Surgery-Induced Insulin Resistance: A Randomized Pilot Study. <i>Journal of Parenteral and Enteral Nutrition</i> , 2017, 42, 014860711771169.	1.3	7
80	Correlation of plasma metabolites with glucose and lipid fluxes in human insulin resistance. <i>Obesity Science and Practice</i> , 2020, 6, 340-349.	1.0	7
81	The Clash of Two Epidemics: the Relationship Between Opioids and Glucose Metabolism. <i>Current Diabetes Reports</i> , 2022, 22, 301-310.	1.7	7
82	The effect of diet interventions on hypothalamic nutrient sensing pathways in rodents. <i>Physiology and Behavior</i> , 2016, 162, 61-68.	1.0	6
83	Effects of a Hypercaloric and Hypocaloric Diet on Insulin-Induced Microvascular Recruitment, Glucose Uptake, and Lipolysis in Healthy Lean Men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1695-1704.	1.1	6
84	Pcpe2, a Novel Extracellular Matrix Protein, Regulates Adipocyte SR-BI-Mediated High-Density Lipoprotein Uptake. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2708-2725.	1.1	6
85	Lactate increases hepatic secretion of VLDL-triglycerides in humans. <i>Atherosclerosis</i> , 2013, 228, 443-450.	0.4	5
86	Primary thromboprophylaxis for adult patients on home parenteral nutrition: A comment on the 2016 ESPEN guideline. <i>Clinical Nutrition</i> , 2016, 35, 1579-1580.	2.3	5
87	Metabolite Profile of Treatment-Naive Metabolic Syndrome Subjects in Relation to Cardiovascular Disease Risk. <i>Metabolites</i> , 2021, 11, 236.	1.3	5
88	Subthalamic nucleus stimulation does not influence basal glucose metabolism or insulin sensitivity in patients with Parkinson's disease. <i>Frontiers in Neuroscience</i> , 2014, 8, 95.	1.4	4
89	205-OR: Hepatic Protein Kinase C- ϵ Is Necessary and Sufficient in Mediating Lipid-Induced Hepatic Insulin Resistance. <i>Diabetes</i> , 2020, 69, 205-OR.	0.3	4
90	Addendum: hypercaloric diets with high meal frequency, but not increased meal size, increase intrahepatic triglycerides: A randomized controlled trial. <i>Hepatology</i> , 2016, 64, 1814-1816.	3.6	3

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91	Bridging-to-Surgery in Patients with Type 2 Intestinal Failure. <i>Journal of Gastrointestinal Surgery</i> , 2021, 25, 1545-1555.	0.9	3
92	Normalization of metabolic flux data during clamp studies in humans. <i>Metabolism: Clinical and Experimental</i> , 2020, 104, 154168.	1.5	3
93	Disruption of lateral hypothalamic calorie detection by a free choice high fat diet. <i>FASEB Journal</i> , 2021, 35, e21804.	0.2	3
94	Influence of prednisolone on parameters of de novo lipogenesis and indices for stearoyl-CoA- and Δ^6 -desaturase activity in healthy males: A Post-hoc analysis of a randomized, placebo-controlled, double-blind trial. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 132, 8-15.	1.0	1
95	Peripheral and central serotonin in the regulation of glucose metabolism. <i>Handbook of Behavioral Neuroscience</i> , 2020, , 893-900.	0.7	1
96	A free-choice high-fat diet modulates the effects of a sucrose bolus on the expression of genes involved in glucose handling in the hypothalamus and nucleus accumbens.. <i>Physiology and Behavior</i> , 2020, 222, 112936.	1.0	1
97	Striatal Dopamine Transporter Availability Is Not Associated with Food Craving in Lean and Obese Humans; a Molecular Imaging Study. <i>Brain Sciences</i> , 2021, 11, 1428.	1.1	1
98	PS1 - 5. Deep brain stimulation in the nucleus accumbens alters glucose metabolism in rats. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2011, 9, 93-94.	0.0	0
99	PS14 - 68. Differential effects of antibiotics on bile acid metabolism, intestinal microbiota composition and insulin resistance in obese humans; a randomised controlled trial. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2012, 10, 147-147.	0.0	0
100	PS16 - 79. Fluoxetine dialysis in the nucleus accumbens shell in rats increases blood glucose concentration. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2012, 10, 154-155.	0.0	0
101	The relation between postprandial glucagon-like peptide-1 release and insulin sensitivity before and after bariatric surgery in humans with class II/III obesity. <i>Surgery for Obesity and Related Diseases</i> , 2021, 17, 1440-1448.	1.0	0
102	Evaluation of the corticotrophin-releasing-hormone test and the high dose dexamethasone suppression test in ACTH dependent Cushing's syndrome: a 25-year prospective cohort study. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
103	283-LB: Dissociating Insulin Signaling and SREBP1c Action from the Lipogenic Drive Seen in Human and Murine Hepatic Insulin Resistance. <i>Diabetes</i> , 2019, 68, .	0.3	0