

# Bettina Mittendorfer

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

4,035  
citations

172457

29  
h-index

118850

62  
g-index

72  
all docs

72  
docs citations

72  
times ranked

5541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary omega-3 fatty acid supplementation increases the rate of muscle protein synthesis in older adults: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 402-412.	4.7	508
2	Resveratrol Supplementation Does Not Improve Metabolic Function in Nonobese Women with Normal Glucose Tolerance. <i>Cell Metabolism</i> , 2012, 16, 658-664.	16.2	336
3	Fish oil-derived $\omega$ -3 PUFA therapy increases muscle mass and function in healthy older adults. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 115-122.	4.7	336
4	Omega-3 polyunsaturated fatty acids augment the muscle protein anabolic response to hyperinsulinaemia and hyperaminoacidaemia in healthy young and middle-aged men and women. <i>Clinical Science</i> , 2011, 121, 267-278.	4.3	287
5	Preserving Healthy Muscle during Weight Loss. <i>Advances in Nutrition</i> , 2017, 8, 511-519.	6.4	183
6	Relationship Between Body Fat Mass and Free Fatty Acid Kinetics in Men and Women. <i>Obesity</i> , 2009, 17, 1872-1877.	3.0	149
7	Effect of sex and obesity on basal VLDL-triacylglycerol kinetics. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 573-579.	4.7	123
8	Sexual Dimorphism in Human Lipid Metabolism. <i>Journal of Nutrition</i> , 2005, 135, 681-686.	2.9	120
9	Effect of gender on lipid kinetics during endurance exercise of moderate intensity in untrained subjects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 283, E58-E65.	3.5	116
10	Mechanism for the increase in plasma triacylglycerol concentrations after consumption of short-term, high-carbohydrate diets. <i>American Journal of Clinical Nutrition</i> , 2001, 73, 892-899.	4.7	108
11	Origins of metabolic complications in obesity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2011, 14, 535-541.	2.5	107
12	What Does the Measurement of Whole-Body Fatty Acid Rate of Appearance in Plasma by Using a Fatty Acid Tracer Really Mean?. <i>Diabetes</i> , 2003, 52, 1641-1648.	0.6	101
13	Recombinant Human Leptin Treatment Does Not Improve Insulin Action in Obese Subjects With Type 2 Diabetes. <i>Diabetes</i> , 2011, 60, 1474-1477.	0.6	95
14	Orlistat Inhibits Dietary Cholesterol Absorption. <i>Obesity</i> , 2001, 9, 599-604.	4.0	93
15	Effect of weight loss on VLDL-triglyceride and apoB-100 kinetics in women with abdominal obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E549-E556.	3.5	88
16	High-protein diets increase cardiovascular risk by activating macrophage mTOR to suppress mitophagy. <i>Nature Metabolism</i> , 2020, 2, 110-125.	11.9	85
17	Multiorgan Insulin Sensitivity in Lean and Obese Subjects. <i>Diabetes Care</i> , 2012, 35, 1316-1321.	8.6	80
18	Sexually dimorphic effect of aging on skeletal muscle protein synthesis. <i>Biology of Sex Differences</i> , 2012, 3, 11.	4.1	77

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19	High-Protein Intake during Weight Loss Therapy Eliminates the Weight-Loss-Induced Improvement in Insulin Action in Obese Postmenopausal Women. <i>Cell Reports</i> , 2016, 17, 849-861.	6.4	77
20	Protein Ingestion Induces Muscle Insulin Resistance Independent of Leucine-Mediated mTOR Activation. <i>Diabetes</i> , 2015, 64, 1555-1563.	0.6	75
21	VLDL Triglyceride Kinetics in Lean, Overweight, and Obese Men and Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4151-4160.	3.6	72
22	The impact of exercise and nutrition on the regulation of skeletal muscle mass. <i>Journal of Physiology</i> , 2019, 597, 1251-1258.	2.9	67
23	Obesity Is Associated With Increased Basal and Postprandial $\beta$ -Cell Insulin Secretion Even in the Absence of Insulin Resistance. <i>Diabetes</i> , 2020, 69, 2112-2119.	0.6	63
24	A word of caution against excessive protein intake. <i>Nature Reviews Endocrinology</i> , 2020, 16, 59-66.	9.6	62
25	Excess body fat in men decreases plasma fatty acid availability and oxidation during endurance exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E354-E362.	3.5	60
26	VLDL-triglyceride kinetics during hyperglycemia-hyperinsulinemia: effects of sex and obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E708-E715.	3.5	52
27	Effect of dietary n-3 PUFA supplementation on the muscle transcriptome in older adults. <i>Physiological Reports</i> , 2016, 4, e12785.	1.7	52
28	Influence of adiposity, insulin resistance, and intrahepatic triglyceride content on insulin kinetics. <i>Journal of Clinical Investigation</i> , 2020, 130, 3305-3314.	8.2	45
29	Fish oil-derived n-3 polyunsaturated fatty acids for the prevention and treatment of sarcopenia. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2018, 21, 104-109.	2.5	43
30	Biliopancreatic Diversion Induces Greater Metabolic Improvement Than Roux-en-Y Gastric Bypass. <i>Cell Metabolism</i> , 2019, 30, 855-864.e3.	16.2	29
31	Measurement of human mixed muscle protein fractional synthesis rate depends on the choice of amino acid tracer. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E666-E671.	3.5	28
32	$\beta$ Cell function and plasma insulin clearance in people with obesity and different glycemic status. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	27
33	Increased Adipose Tissue Fibrogenesis, Not Impaired Expandability, Is Associated With Nonalcoholic Fatty Liver Disease. <i>Hepatology</i> , 2021, 74, 1287-1299.	7.3	25
34	Roux-en-Y Gastric Bypass Surgery Has Unique Effects on Postprandial FGF21 but Not FGF19 Secretion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 3858-3864.	3.6	23
35	Absence of leptin triggers type 1 diabetes. <i>Nature Medicine</i> , 2014, 20, 705-706.	30.7	20
36	Effect of Protein Supplementation During Diet-Induced Weight Loss on Muscle Mass and Strength: A Randomized Controlled Study. <i>Obesity</i> , 2018, 26, 854-861.	3.0	18

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37	Insulin Clearance in Obesity and Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 596.	4.1	17
38	A single bout of resistance exercise improves postprandial lipid metabolism in overweight/obese men with prediabetes. <i>Diabetologia</i> , 2020, 63, 611-623.	6.3	16
39	Different physiological mechanisms underlie an adverse cardiovascular disease risk profile in men and women. <i>Proceedings of the Nutrition Society</i> , 2020, 79, 210-218.	1.0	13
40	Subcutaneous Adipose Tissue Metabolic Function and Insulin Sensitivity in People With Obesity. <i>Diabetes</i> , 2021, 70, 2225-2236.	0.6	13
41	The muscle anabolic effect of protein ingestion during a hyperinsulinaemic euglycaemic clamp in middle-aged women is not caused by leucine alone. <i>Journal of Physiology</i> , 2018, 596, 4681-4692.	2.9	12
42	No independent or combined effects of vitamin D and conjugated linoleic acids on muscle protein synthesis in older adults: a randomized, double-blind, placebo-controlled clinical trial. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 1382-1389.	4.7	12
43	Heterogeneity in insulin-stimulated glucose uptake among different muscle groups in healthy lean people and people with obesity. <i>Diabetologia</i> , 2021, 64, 1158-1168.	6.3	12
44	Cardiovascular consequences of obesity and targets for treatment. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2008, 5, 53-61.	0.5	11
45	One day of overfeeding impairs nocturnal glucose but not fatty acid homeostasis in overweight men. <i>Obesity</i> , 2014, 22, 435-440.	3.0	11
46	Dietary protein intake and obesity-associated cardiometabolic function. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2020, 23, 380-386.	2.5	10
47	Physiological factors that regulate the use of endogenous fat and carbohydrate fuels during endurance exercise. <i>Nutrition Research Reviews</i> , 2003, 16, 97.	4.1	9
48	Effect of hyperinsulinaemia <sup>66</sup> hyperaminoacidaemia on leg muscle protein synthesis and breakdown: reassessment of the two-pool arterio-venous balance model. <i>Journal of Physiology</i> , 2015, 593, 4245-4257.	2.9	9
49	A Single Bout of Premeal Resistance Exercise Improves Postprandial Glucose Metabolism in Obese Men with Prediabetes. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 694-703.	0.4	9
50	Effect of obstructive sleep apnea on glucose metabolism. <i>European Journal of Endocrinology</i> , 2022, 186, 457-467.	3.7	7
51	Increased plasma fatty acid clearance, not fatty acid concentration, is associated with muscle insulin resistance in people with obesity. <i>Metabolism: Clinical and Experimental</i> , 2022, 132, 155216.	3.4	7
52	Muscle glycogen: where did you come from, where did you go?. <i>Journal of Physiology</i> , 2017, 595, 2771-2772.	2.9	5
53	Effect of Weight Gain and Weight Loss on In Vivo Colonocyte Proliferation Rate in People with Obesity. <i>Obesity</i> , 2017, 25, S81-S86.	3.0	5
54	Percutaneous muscle biopsy-induced tissue injury causes local endoplasmic reticulum stress. <i>Physiological Reports</i> , 2018, 6, e13679.	1.7	4

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55	Postprandial Chylomicron Output and Transport Through Intestinal Lymphatics Are Not Impaired in Active Crohn's Disease. <i>Gastroenterology</i> , 2020, 159, 1955-1957.e2.	1.3	4
56	Insulin sensitivity and kinetics in African American and White people with obesity: Insights from different study protocols. <i>Obesity</i> , 2022, 30, 655-665.	3.0	4
57	Tracking diaphragm movement by using ultrasound to assess its strength. <i>Journal of Physiology</i> , 2016, 594, 7147-7148.	2.9	3
58	Response to Comment on Smith et al. Protein Ingestion Induces Muscle Insulin Resistance Independent of Leucine-Mediated mTOR Activation. <i>Diabetes</i> 2015;64:1555-1563. <i>Diabetes</i> , 2015, 64, e11-e11.	0.6	2
59	The athlete's paradox. <i>Journal of Physiology</i> , 2018, 596, 755-756.	2.9	2
60	Evolution of the diagnostic value of the sugar of the blood: hitting the sweet spot to identify alterations in glucose dynamics. <i>Physiological Reviews</i> , 2023, 103, 7-30.	28.8	2
61	Effects of a Supplementation with Ketogenic Amino Acids on Hepatic Steatosis Induced by Fructose in Healthy Humans. <i>FASEB Journal</i> , 2012, 26, lb290.	0.5	1
62	How the brain tips the scale. <i>Journal of Physiology</i> , 2016, 594, 5041-5042.	2.9	0
63	When muscle doesn't let it up, adipose tissue lets AKT up. <i>Journal of Physiology</i> , 2018, 596, 2273-2275.	2.9	0
64	Hidden Figures in Age-Associated Regulation of Glucose Metabolism: Insulin Secretion and Plasma Clearance. <i>Obesity</i> , 2019, 27, 359-360.	3.0	0
65	Editorial. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2019, 22, 269-270.	2.5	0
66	Editorial: Is reducing dietary carbohydrate the way to go?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2021, 24, 339-341.	2.5	0
67	Differences in muscle protein synthesis and anabolic signaling in the postabsorptive state and in response to food in 65-80 y old men and women. <i>FASEB Journal</i> , 2008, 22, 949.4.	0.5	0
68	Female sex steroid effects on basal muscle protein synthesis rates in postmenopausal women. <i>FASEB Journal</i> , 2013, 27, 1208.6.	0.5	0
69	The secret to a long muscle span is a little hard work. <i>Journal of Physiology</i> , 2022, 600, 2017-2018.	2.9	0
70	Insulin, Nobel laureates and <i>The Journal of Physiology</i> . <i>Journal of Physiology</i> , 2022, 600, 1269-1270.	2.9	0
71	Fish oil-derived omega-3 fatty acids: the missing ingredients to support muscle growth in people with chronic obstructive pulmonary disease. <i>American Journal of Clinical Nutrition</i> , 0, .	4.7	0