Bettina Mittendorfer

List of Publications by Year
in descending order

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71 papers	4,035 citations	172207 29 h-index	118652 62 g-index
72 all docs	72 docs citations	72 times ranked	5541 citing authors

#	Article	IF	Citations
1	Evolution of the diagnostic value of â€œthe sugar of the bloodâ€: hitting the sweet spot to identify alterations in glucose dynamics. Physiological Reviews, 2023, 103, 7-30.	13.1	2
2	Insulin sensitivity and kinetics in African American and White people with obesity: Insights from different study protocols. Obesity, 2022, 30, 655-665.	1.5	4
3	The secret to a long â€˜musclespanâ€™ is a little hard work. Journal of Physiology, 2022, 600, 2017-2018.	1.3	0
4	Insulin Clearance in Obesity and Type 2 Diabetes. International Journal of Molecular Sciences, 2022, 23, 596.	1.8	17
5	Insulin, Nobel laureates and The Journal of Physiology. Journal of Physiology, 2022, 600, 1269-1270.	1.3	0
6	Î² Cell function and plasma insulin clearance in people with obesity and different glycemic status. Journal of Clinical Investigation, 2022, 132, .	3.9	27
7	Effect of obstructive sleep apnea on glucose metabolism. European Journal of Endocrinology, 2022, 186, 457-467.	1.9	7
8	Increased plasma fatty acid clearance, not fatty acid concentration, is associated with muscle insulin resistance in people with obesity. Metabolism: Clinical and Experimental, 2022, 132, 155216.	1.5	7
9	Heterogeneity in insulin-stimulated glucose uptake among different muscle groups in healthy lean people and people with obesity. Diabetologia, 2021, 64, 1158-1168.	2.9	12
10	Editorial: Is reducing dietary carbohydrate the way to go?. Current Opinion in Clinical Nutrition and Metabolic Care, 2021, 24, 339-341.	1.3	0
11	Increased Adipose Tissue Fibrogenesis, Not Impaired Expandability, Is Associated With Nonalcoholic Fatty Liver Disease. Hepatology, 2021, 74, 1287-1299.	3.6	25
12	Subcutaneous Adipose Tissue Metabolic Function and Insulin Sensitivity in People With Obesity. Diabetes, 2021, 70, 2225-2236.	0.3	13
13	A Single Bout of Premeal Resistance Exercise Improves Postprandial Glucose Metabolism in Obese Men with Prediabetes. Medicine and Science in Sports and Exercise, 2021, 53, 694-703.	0.2	9
14	Different physiological mechanisms underlie an adverse cardiovascular disease risk profile in men and women. Proceedings of the Nutrition Society, 2020, 79, 210-218.	0.4	13
15	A single bout of resistance exercise improves postprandial lipid metabolism in overweight/obese men with prediabetes. Diabetologia, 2020, 63, 611-623.	2.9	16
16	A word of caution against excessive protein intake. Nature Reviews Endocrinology, 2020, 16, 59-66.	4.3	62
17	Dietary protein intake and obesity-associated cardiometabolic function. Current Opinion in Clinical Nutrition and Metabolic Care, 2020, 23, 380-386.	1.3	10
18	Postprandial Chylomicron Output and Transport Through Intestinal Lymphatics Are Not Impaired in Active Crohnâ€™s Disease. Gastroenterology, 2020, 159, 1955-1957.e2.	0.6	4

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19	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. American Journal of Clinical Nutrition, 2020, 112, 1382-1389.	2.2	12
20	Obesity Is Associated With Increased Basal and Postprandial Î²-Cell Insulin Secretion Even in the Absence of Insulin Resistance. Diabetes, 2020, 69, 2112-2119.	0.3	63
21	High-protein diets increase cardiovascular risk by activating macrophage mTOR to suppress mitophagy. Nature Metabolism, 2020, 2, 110-125.	5.1	85
22	Influence of adiposity, insulin resistance, and intrahepatic triglyceride content on insulin kinetics. Journal of Clinical Investigation, 2020, 130, 3305-3314.	3.9	45
23	The impact of exercise and nutrition on the regulation of skeletal muscle mass. Journal of Physiology, 2019, 597, 1251-1258.	1.3	67
24	Biliopancreatic Diversion Induces Greater Metabolic Improvement Than Roux-en-Y Gastric Bypass. Cell Metabolism, 2019, 30, 855-864.e3.	7.2	29
25	Hidden Figures in Age-Associated Regulation of Glucose Metabolism: Insulin Secretion and Plasma Clearance. Obesity, 2019, 27, 359-360.	1.5	0
26	Editorial. Current Opinion in Clinical Nutrition and Metabolic Care, 2019, 22, 269-270.	1.3	0
27	Effect of Protein Supplementation During Dietâ€Induced Weight Loss on Muscle Mass and Strength: A Randomized Controlled Study. Obesity, 2018, 26, 854-861.	1.5	18
28	Percutaneous muscle biopsy-induced tissue injury causes local endoplasmic reticulum stress. Physiological Reports, 2018, 6, e13679.	0.7	4
29	The athlete's paradOXpat. Journal of Physiology, 2018, 596, 755-756.	1.3	2
30	Fish oil-derived n-3 polyunsaturated fatty acids for the prevention and treatment of sarcopenia. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 104-109.	1.3	43
31	When muscle doesn't â€˜Racâ€™ it up, adipose tissue â€˜AKTsâ€™. Journal of Physiology, 2018, 596, 2273-2275.	1.3	0
32	The muscle anabolic effect of protein ingestion during a hyperinsulinaemic euglycaemic clamp in middleâ€aged women is not caused by leucine alone. Journal of Physiology, 2018, 596, 4681-4692.	1.3	12
33	Preserving Healthy Muscle during Weight Loss. Advances in Nutrition, 2017, 8, 511-519.	2.9	183
34	Muscle glycogen: where did you come from, where did you go?. Journal of Physiology, 2017, 595, 2771-2772.	1.3	5
35	Effect of Weight Gain and Weight Loss onIn VivoColonocyte Proliferation Rate in People with Obesity. Obesity, 2017, 25, S81-S86.	1.5	5
36	Roux-en-Y Gastric Bypass Surgery Has Unique Effects on Postprandial FGF21 but Not FGF19 Secretion. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3858-3864.	1.8	23

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37	Tracking diaphragm movement by using ultrasound to assess its strength. Journal of Physiology, 2016, 594, 7147-7148.	1.3	3
38	VLDL Triglyceride Kinetics in Lean, Overweight, and Obese Men and Women. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4151-4160.	1.8	72
39	High-Protein Intake during Weight Loss Therapy Eliminates the Weight-Loss-Induced Improvement in Insulin Action in Obese Postmenopausal Women. Cell Reports, 2016, 17, 849-861.	2.9	77
40	How the brain tips the scale. Journal of Physiology, 2016, 594, 5041-5042.	1.3	0
41	Effect of dietary n-3 PUFA supplementation on the muscle transcriptome in older adults. Physiological Reports, 2016, 4, e12785.	0.7	52
42	Effect of hyperinsulinaemiaâ€“hyperaminoacidaemia on leg muscle protein synthesis and breakdown: reassessment of the twoâ€pool arterioâ€venous balance model. Journal of Physiology, 2015, 593, 4245-4257.	1.3	9
43	Fish oilâ€“derived nâ^'3 PUFA therapy increases muscle mass and function in healthy older adults. American Journal of Clinical Nutrition, 2015, 102, 115-122.	2.2	336
44	Response to Comment on Smith et al. Protein Ingestion Induces Muscle Insulin Resistance Independent of Leucine-Mediated mTOR Activation. Diabetes 2015;64:1555â€“1563. Diabetes, 2015, 64, e11-e11.	0.3	2
45	Protein Ingestion Induces Muscle Insulin Resistance Independent of Leucine-Mediated mTOR Activation. Diabetes, 2015, 64, 1555-1563.	0.3	75
46	One day of overfeeding impairs nocturnal glucose but not fatty acid homeostasis in overweight men. Obesity, 2014, 22, 435-440.	1.5	11
47	Absence of leptin triggers type 1 diabetes. Nature Medicine, 2014, 20, 705-706.	15.2	20
48	Female sex steroid effects on basal muscle protein synthesis rates in postmenopausal women. FASEB Journal, 2013, 27, 1208.6.	0.2	0
49	Multiorgan Insulin Sensitivity in Lean and Obese Subjects. Diabetes Care, 2012, 35, 1316-1321.	4.3	80
50	Resveratrol Supplementation Does Not Improve Metabolic Function in Nonobese Women with Normal Glucose Tolerance. Cell Metabolism, 2012, 16, 658-664.	7.2	336
51	Sexually dimorphic effect of aging on skeletal muscle protein synthesis. Biology of Sex Differences, 2012, 3, 11.	1.8	77
52	Effects of a Supplementation with Ketogenic Amino Acids on Hepatic Steatosis Induced by Fructose in Healthy Humans. FASEB Journal, 2012, 26, lb290.	0.2	1
53	Omega-3 polyunsaturated fatty acids augment the muscle protein anabolic response to hyperinsulinaemiaâ€“hyperaminoacidaemia in healthy young and middle-aged men and women. Clinical Science, 2011, 121, 267-278.	1.8	287
54	Dietary omega-3 fatty acid supplementation increases the rate of muscle protein synthesis in older adults: a randomized controlled trial. American Journal of Clinical Nutrition, 2011, 93, 402-412.	2.2	508

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55	Recombinant Human Leptin Treatment Does Not Improve Insulin Action in Obese Subjects With Type 2 Diabetes. Diabetes, 2011, 60, 1474-1477.	0.3	95
56	Origins of metabolic complications in obesity. Current Opinion in Clinical Nutrition and Metabolic Care, 2011, 14, 535-541.	1.3	107
57	Relationship Between Body Fat Mass and Free Fatty Acid Kinetics in Men and Women. Obesity, 2009, 17, 1872-1877.	1.5	149
58	Cardiovascular consequences of obesity and targets for treatment. Drug Discovery Today: Therapeutic Strategies, 2008, 5, 53-61.	0.5	11
59	Differences in muscle protein synthesis and anabolic signaling in the postabsorptive state and in response to food in 65â€“80 y old men and women. FASEB Journal, 2008, 22, 949.4.	0.2	0
60	Measurement of human mixed muscle protein fractional synthesis rate depends on the choice of amino acid tracer. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E666-E671.	1.8	28
61	Sexual Dimorphism in Human Lipid Metabolism. Journal of Nutrition, 2005, 135, 681-686.	1.3	120
62	Excess body fat in men decreases plasma fatty acid availability and oxidation during endurance exercise. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E354-E362.	1.8	60
63	What Does the Measurement of Whole-Body Fatty Acid Rate of Appearance in Plasma by Using a Fatty Acid Tracer Really Mean?. Diabetes, 2003, 52, 1641-1648.	0.3	101
64	Physiological factors that regulate the use of endogenous fat and carbohydrate fuels during endurance exercise. Nutrition Research Reviews, 2003, 16, 97.	2.1	9
65	Effect of sex and obesity on basal VLDL-triacylglycerol kinetics. American Journal of Clinical Nutrition, 2003, 77, 573-579.	2.2	123
66	Effect of weight loss on VLDL-triglyceride and apoB-100 kinetics in women with abdominal obesity. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E549-E556.	1.8	88
67	VLDL-triglyceride kinetics during hyperglycemia-hyperinsulinemia: effects of sex and obesity. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E708-E715.	1.8	52
68	Effect of gender on lipid kinetics during endurance exercise of moderate intensity in untrained subjects. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E58-E65.	1.8	116
69	Mechanism for the increase in plasma triacylglycerol concentrations after consumption of short-term, high-carbohydrate diets. American Journal of Clinical Nutrition, 2001, 73, 892-899.	2.2	108
70	Orlistat Inhibits Dietary Cholesterol Absorption. Obesity, 2001, 9, 599-604.	4.0	93
71	Fish oilâ€“derived Ï‰â€“3 fatty acidsâ€”the missing ingredients to support muscle growth in people with chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 0, , .	2.2	0