

# Gordon I Smith

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

3,337  
citations

236833

25  
h-index

243529

44  
g-index

50  
all docs

50  
docs citations

50  
times ranked

4261  
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.	2.2	508
2	Insulin resistance drives hepatic de novo lipogenesis in nonalcoholic fatty liver disease. <i>Journal of Clinical Investigation</i> , 2020, 130, 1453-1460.	3.9	362
3	Metabolically healthy obesity: facts and fantasies. <i>Journal of Clinical Investigation</i> , 2019, 129, 3978-3989.	3.9	355
4	Fish oil-derived n-3 PUFA therapy increases muscle mass and function in healthy older adults. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 115-122.	2.2	336
5	Omega-3 polyunsaturated fatty acids augment the muscle protein anabolic response to hyperinsulinaemia/hyperaminoacidaemia in healthy young and middle-aged men and women. <i>Clinical Science</i> , 2011, 121, 267-278.	1.8	287
6	Differences in Muscle Protein Synthesis and Anabolic Signaling in the Postabsorptive State and in Response to Food in 65-80 Year Old Men and Women. <i>PLoS ONE</i> , 2008, 3, e1875.	1.1	132
7	Regular Multicomponent Exercise Increases Physical Fitness and Muscle Protein Anabolism in Frail, Obese, Older Adults. <i>Obesity</i> , 2011, 19, 312-318.	1.5	104
8	Testosterone and Progesterone, But Not Estradiol, Stimulate Muscle Protein Synthesis in Postmenopausal Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 256-265.	1.8	88
9	Sexually dimorphic effect of aging on skeletal muscle protein synthesis. <i>Biology of Sex Differences</i> , 2012, 3, 11.	1.8	77
10	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.	2.9	77
11	Protein Ingestion Induces Muscle Insulin Resistance Independent of Leucine-Mediated mTOR Activation. <i>Diabetes</i> , 2015, 64, 1555-1563.	0.3	75
12	Associations Among Adipose Tissue Immunology, Inflammation, Exosomes and Insulin Sensitivity in People With Obesity and Nonalcoholic Fatty Liver Disease. <i>Gastroenterology</i> , 2021, 161, 968-981.e12.	0.6	75
13	Knockdown of ANT2 reduces adipocyte hypoxia and improves insulin resistance in obesity. <i>Nature Metabolism</i> , 2019, 1, 86-97.	5.1	71
14	Decreased adipose tissue oxygenation associates with insulin resistance in individuals with obesity. <i>Journal of Clinical Investigation</i> , 2020, 130, 6688-6699.	3.9	64
15	No major sex differences in muscle protein synthesis rates in the postabsorptive state and during hyperinsulinemia-hyperaminoacidemia in middle-aged adults. <i>Journal of Applied Physiology</i> , 2009, 107, 1308-1315.	1.2	61
16	Effect of dietary n-3 PUFA supplementation on the muscle transcriptome in older adults. <i>Physiological Reports</i> , 2016, 4, e12785.	0.7	52
17	Human muscle protein turnover—why is it so variable?. <i>Journal of Applied Physiology</i> , 2011, 110, 480-491.	1.2	46
18	Influence of adiposity, insulin resistance, and intrahepatic triglyceride content on insulin kinetics. <i>Journal of Clinical Investigation</i> , 2020, 130, 3305-3314.	3.9	45

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19	Muscle Protein Synthesis Response to Exercise Training in Obese, Older Men and Women. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1259-1266.	0.2	44
20	Obesity dysregulates fasting-induced changes in glucagon secretion. <i>Journal of Endocrinology</i> , 2019, 243, 149-160.	1.2	44
21	Alterations in 3-Hydroxyisobutyrate and FGF21 Metabolism Are Associated With Protein Ingestion-Induced Insulin Resistance. <i>Diabetes</i> , 2017, 66, 1871-1878.	0.3	43
22	Sexual dimorphism in skeletal muscle protein turnover. <i>Journal of Applied Physiology</i> , 2016, 120, 674-682.	1.2	37
23	Effect of Weight Loss on the Rate of Muscle Protein Synthesis During Fasted and Fed Conditions in Obese Older Adults. <i>Obesity</i> , 2012, 20, 1780-1786.	1.5	29
24	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.	1.8	28
25	Systemic Delivery of Estradiol, but not Testosterone or Progesterone, Alters Very Low Density Lipoprotein-Triglyceride Kinetics in Postmenopausal Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E1306-E1310.	1.8	27
26	β Cell function and plasma insulin clearance in people with obesity and different glycemic status. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	27
27	Increased Adipose Tissue Fibrogenesis, Not Impaired Expandability, Is Associated With Nonalcoholic Fatty Liver Disease. <i>Hepatology</i> , 2021, 74, 1287-1299.	3.6	25
28	Testosterone increases the muscle protein synthesis rate but does not affect very-low-density lipoprotein metabolism in obese premenopausal women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E740-E746.	1.8	24
29	A ¼60-min brisk walk increases insulin-stimulated glucose disposal but has no effect on hepatic and adipose tissue insulin sensitivity in older women. <i>Journal of Applied Physiology</i> , 2013, 114, 1563-1568.	1.2	24
30	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.	1.8	23
31	Timing of the initial muscle biopsy does not affect the measured muscle protein fractional synthesis rate during basal, postabsorptive conditions. <i>Journal of Applied Physiology</i> , 2010, 108, 363-368.	1.2	20
32	Small molecule SWELL1 complex induction improves glycemic control and nonalcoholic fatty liver disease in murine Type 2 diabetes. <i>Nature Communications</i> , 2022, 13, 784.	5.8	19
33	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.	1.5	18
34	One Day of Mixed Meal Overfeeding Reduces Hepatic Insulin Sensitivity and Increases VLDL Particle But Not VLDL-Triglyceride Secretion in Overweight and Obese Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 3454-3462.	1.8	16
35	The Effects of Dietary Omega-3s on Muscle Composition and Quality in Older Adults. <i>Current Nutrition Reports</i> , 2016, 5, 99-105.	2.1	14
36	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.	1.3	12

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37	One day of overfeeding impairs nocturnal glucose but not fatty acid homeostasis in overweight men. <i>Obesity</i> , 2014, 22, 435-440.	1.5	11
38	Effect of hyperinsulinaemiaâ€“hyperaminoacidaemia on leg muscle protein synthesis and breakdown: reassessment of the twoâ€“pool arterioâ€“venous balance model. <i>Journal of Physiology</i> , 2015, 593, 4245-4257.	1.3	9
39	Inhibition of Grb14, a negative modulator of insulin signaling, improves glucose homeostasis without causing cardiac dysfunction. <i>Scientific Reports</i> , 2020, 10, 3417.	1.6	9
40	Effect of Weight Gain and Weight Loss on In Vivo Colonocyte Proliferation Rate in People with Obesity. <i>Obesity</i> , 2017, 25, S81-S86.	1.5	5
41	Striatal Dopamine Responses to Feeding are Altered in People with Obesity. <i>Obesity</i> , 2020, 28, 765-771.	1.5	4
42	Similar muscle protein synthesis rates in young men and women: men aren't from Mars and women aren't from Venus. <i>Journal of Applied Physiology</i> , 2012, 112, 1803-1804.	1.2	2
43	Slimming down in old age. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 247-248.	2.2	2
44	Response to Comment on Smith et al. Protein Ingestion Induces Muscle Insulin Resistance Independent of Leucine-Mediated mTOR Activation. <i>Diabetes</i> 2015;64:1555â€“1563. <i>Diabetes</i> , 2015, 64, e11-e11.	0.3	2
45	Polyunsaturated Omega-3 Fatty Acids and Skeletal Muscle. , 2019, , 379-392.		2
46	Do lifestyle factors and quality of life differ in people with metabolically healthy and unhealthy obesity?. <i>International Journal of Obesity</i> , 0, , .	1.6	2
47	Metabolically-Unhealthy Obesity Is Associated With Increased Adipose Tissue Inflammatory Gene Expression and 24-Hour Plasma Concentrations of PAI-1, but Not Other Inflammatory Cytokines. <i>Journal of the Endocrine Society</i> , 2021, 5, A21-A22.	0.1	0
48	Feeding acutely increases MyoD1 and decreases myostatin mRNA in human skeletal muscle. <i>FASEB Journal</i> , 2008, 22, 691.11.	0.2	0
49	The effect of aging on rates of muscle protein synthesis in the basal state and in response to insulin and amino acid infusion in men and women. <i>FASEB Journal</i> , 2011, 25, 1064.1.	0.2	0
50	Female sex steroid effects on basal muscle protein synthesis rates in postmenopausal women. <i>FASEB Journal</i> , 2013, 27, 1208.6.	0.2	0