

# Jacob M Haus

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

4,309  
citations

101496

36  
h-index

110317

64  
g-index

75  
all docs

75  
docs citations

75  
times ranked

6357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma Ceramides Are Elevated in Obese Subjects With Type 2 Diabetes and Correlate With the Severity of Insulin Resistance. <i>Diabetes</i> , 2009, 58, 337-343.	0.3	536
2	Collagen, cross-linking, and advanced glycation end products in aging human skeletal muscle. <i>Journal of Applied Physiology</i> , 2007, 103, 2068-2076.	1.2	315
3	Alternate day fasting for weight loss in normal weight and overweight subjects: a randomized controlled trial. <i>Nutrition Journal</i> , 2013, 12, 146.	1.5	269
4	Exerkines in health, resilience and disease. <i>Nature Reviews Endocrinology</i> , 2022, 18, 273-289.	4.3	268
5	Measuring Abdominal Circumference and Skeletal Muscle From a Single Cross-sectional Computed Tomography Image. <i>Journal of Parenteral and Enteral Nutrition</i> , 2016, 40, 308-318.	1.3	198
6	Influence of acetaminophen and ibuprofen on skeletal muscle adaptations to resistance exercise in older adults. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R655-R662.	0.9	149
7	Influence of aging on the in vivo properties of human patellar tendon. <i>Journal of Applied Physiology</i> , 2008, 105, 1907-1915.	1.2	142
8	A low-glycemic index diet combined with exercise reduces insulin resistance, postprandial hyperinsulinemia, and glucose-dependent insulinotropic polypeptide responses in obese, prediabetic humans. <i>American Journal of Clinical Nutrition</i> , 2010, 92, 1359-1368.	2.2	132
9	Improved Pancreatic $\beta$ -Cell Function in Type 2 Diabetic Patients After Lifestyle-Induced Weight Loss Is Related to Glucose-Dependent Insulinotropic Polypeptide. <i>Diabetes Care</i> , 2010, 33, 1561-1566.	4.3	103
10	A Whole-Grain Diet Reduces Cardiovascular Risk Factors in Overweight and Obese Adults: A Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2016, 146, 2244-2251.	1.3	88
11	Short-term exercise reduces markers of hepatocyte apoptosis in nonalcoholic fatty liver disease. <i>Journal of Applied Physiology</i> , 2012, 113, 1-6.	1.2	83
12	Improved insulin sensitivity after exercise training is linked to reduced plasma C14:0 ceramide in obesity and type 2 diabetes. <i>Obesity</i> , 2015, 23, 1414-1421.	1.5	78
13	Improved Hepatic Lipid Composition Following Short-Term Exercise in Nonalcoholic Fatty Liver Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1181-E1188.	1.8	76
14	Reciprocal regulation of eNOS and caveolin-1 functions in endothelial cells. <i>Molecular Biology of the Cell</i> , 2018, 29, 1190-1202.	0.9	76
15	A Low-Glycemic Index Diet and Exercise Intervention Reduces TNF $\alpha$ in Isolated Mononuclear Cells of Older, Obese Adults. <i>Journal of Nutrition</i> , 2011, 141, 1089-1094.	1.3	70
16	Insulin sensitivity and metabolic flexibility following exercise training among different obese insulin-resistant phenotypes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1292-E1298.	1.8	68
17	Free Fatty Acid-Induced Hepatic Insulin Resistance is Attenuated Following Lifestyle Intervention in Obese Individuals with Impaired Glucose Tolerance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 323-327.	1.8	67
18	Pancreatic $\beta$ -cell Function Is a Stronger Predictor of Changes in Glycemic Control After an Aerobic Exercise Intervention Than Insulin Sensitivity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 4176-4186.	1.8	66

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19	Randomized trial on the effects of a 7-d low-glycemic diet and exercise intervention on insulin resistance in older obese humans. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 1222-1229.	2.2	62
20	Exercise Interventions and Peripheral Arterial Function: Implications for Cardio-Metabolic Disease. <i>Progress in Cardiovascular Diseases</i> , 2015, 57, 521-534.	1.6	59
21	Contractile and connective tissue protein content of human skeletal muscle: effects of 35 and 90 days of simulated microgravity and exercise countermeasures. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1722-R1727.	0.9	57
22	Hyperinsulinemia augments endothelin-1 protein expression and impairs vasodilation of human skeletal muscle arterioles. <i>Physiological Reports</i> , 2016, 4, e12895.	0.7	57
23	A whole-grain diet reduces peripheral insulin resistance and improves glucose kinetics in obese adults: A randomized-controlled trial. <i>Metabolism: Clinical and Experimental</i> , 2018, 82, 111-117.	1.5	57
24	Fetuin-A is linked to improved glucose tolerance after short-term exercise training in nonalcoholic fatty liver disease. <i>Journal of Applied Physiology</i> , 2013, 115, 988-994.	1.2	55
25	Progressive Hyperglycemia across the Glucose Tolerance Continuum in Older Obese Adults Is Related to Skeletal Muscle Capillarization and Nitric Oxide Bioavailability. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 1377-1384.	1.8	54
26	Effects of exercise training and diet on lipid kinetics during free fatty acid-induced insulin resistance in older obese humans with impaired glucose tolerance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E552-E559.	1.8	53
27	Decreased Visfatin after Exercise Training Correlates with Improved Glucose Tolerance. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1255-1260.	0.2	52
28	Resistance exercise and cyclooxygenase (COX) expression in human skeletal muscle: implications for COX-inhibiting drugs and protein synthesis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R2241-R2248.	0.9	50
29	The Influence of Hyperglycemia on the Therapeutic Effect of Exercise on Glycemic Control in Patients With Type 2 Diabetes Mellitus. <i>JAMA Internal Medicine</i> , 2013, 173, 1834.	2.6	50
30	Association Between Cardiorespiratory Fitness and the Determinants of Glycemic Control Across the Entire Glucose Tolerance Continuum. <i>Diabetes Care</i> , 2015, 38, 921-929.	4.3	49
31	Influence of acetaminophen and ibuprofen on in vivo patellar tendon adaptations to knee extensor resistance exercise in older adults. <i>Journal of Applied Physiology</i> , 2011, 111, 508-515.	1.2	48
32	Effect of a cyclooxygenase-2 inhibitor on postexercise muscle protein synthesis in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E354-E361.	1.8	43
33	Circulating soluble RAGE isoforms are attenuated in obese, impaired-glucose-tolerant individuals and are associated with the development of type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E631-E640.	1.8	43
34	Nox2 contributes to hyperinsulinemia-induced redox imbalance and impaired vascular function. <i>Redox Biology</i> , 2017, 13, 288-300.	3.9	42
35	Exercise Training with Weight Loss and either a High- or Low-Glycemic Index Diet Reduces Metabolic Syndrome Severity in Older Adults. <i>Annals of Nutrition and Metabolism</i> , 2012, 61, 135-141.	1.0	41
36	A 7-d Exercise Program Increases High-Molecular Weight Adiponectin in Obese Adults. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 69-74.	0.2	40

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37	Intramyocellular lipid content and insulin sensitivity are increased following a short-term low-glycemic index diet and exercise intervention. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E511-E516.	1.8	37
38	Depletion of Caveolin-1 in Type 2 Diabetes Model Induces Alzheimer's Disease Pathology Precursors. <i>Journal of Neuroscience</i> , 2019, 39, 8576-8583.	1.7	37
39	Lifestyle-Induced Decrease in Fat Mass Improves Adiponectin Secretion in Obese Adults. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 920-926.	0.2	36
40	Aberrant REDD1-mTORC1 responses to insulin in skeletal muscle from Type 2 diabetics. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R855-R863.	0.9	34
41	Muscle proteins during 60-day bedrest in women: Impact of exercise or nutrition. <i>Muscle and Nerve</i> , 2009, 39, 463-471.	1.0	32
42	Dicarbonyl Stress and Glyoxalase-1 in Skeletal Muscle: Implications for Insulin Resistance and Type 2 Diabetes. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 117.	1.1	30
43	Dicarbonyl stress and glyoxalase enzyme system regulation in human skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R181-R190.	0.9	27
44	A low-glycemic diet lifestyle intervention improves fat utilization during exercise in older obese humans. <i>Obesity</i> , 2013, 21, 2272-2278.	1.5	26
45	Endogenous secretory RAGE increases with improvements in body composition and is associated with markers of adipocyte health. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018, 28, 1155-1165.	1.1	26
46	Experimental Hyperglycemia Alters Circulating Concentrations and Renal Clearance of Oxidative and Advanced Glycation End Products in Healthy Obese Humans. <i>Nutrients</i> , 2019, 11, 532.	1.7	26
47	Determining pancreatic $\beta$ -cell compensation for changing insulin sensitivity using an oral glucose tolerance test. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E822-E829.	1.8	23
48	Exercise training-induced improvement in skeletal muscle PGC-1 $\alpha$ -mediated fat metabolism is independent of dietary glycemic index. <i>Obesity</i> , 2017, 25, 721-729.	1.5	20
49	Short-term aerobic exercise training improves gut peptide regulation in nonalcoholic fatty liver disease. <i>Journal of Applied Physiology</i> , 2016, 120, 1159-1164.	1.2	19
50	Divergent Changes in Plasma AGEs and sRAGE Isoforms Following an Overnight Fast in T1DM. <i>Nutrients</i> , 2019, 11, 386.	1.7	18
51	Regular Aerobic, Resistance, and Cross-Training Exercise Prevents Reduced Vascular Function Following a High Sugar or High Fat Mixed Meal in Young Healthy Adults. <i>Frontiers in Physiology</i> , 2018, 9, 183.	1.3	16
52	Computational model of cellular metabolic dynamics: effect of insulin on glucose disposal in human skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E1198-E1209.	1.8	15
53	Metabolic Derangements Contribute to Reduced sRAGE Isoforms in Subjects with Alzheimer's Disease. <i>Mediators of Inflammation</i> , 2018, 2018, 1-10.	1.4	15
54	The effects of acute aerobic and resistance exercise on mTOR signaling and autophagy markers in untrained human skeletal muscle. <i>European Journal of Applied Physiology</i> , 2021, 121, 2913-2924.	1.2	15

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55	Non-invasive assessment of hepatic lipid subspecies matched with non-alcoholic fatty liver disease phenotype. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2019, 29, 1197-1204.	1.1	13
56	Skeletal muscle Nur77 and NOR1 insulin responsiveness is blunted in obesity and type 2 diabetes but improved after exercise training. <i>Physiological Reports</i> , 2019, 7, e14042.	0.7	13
57	Therapeutic potential of carbonyl-scavenging carnosine derivative in metabolic disorders. <i>Journal of Clinical Investigation</i> , 2018, 128, 5198-5200.	3.9	13
58	The effect of strenuous aerobic exercise on skeletal muscle myofibrillar proteolysis in humans. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2006, 17, 061120070736035-???	1.3	12
59	Skeletal Muscle Vascular Function: A Counterbalance of Insulin Action. <i>Microcirculation</i> , 2015, 22, 327-347.	1.0	12
60	CCL28-induced CCR10/eNOS interaction in angiogenesis and skin wound healing. <i>FASEB Journal</i> , 2020, 34, 5838-5850.	0.2	12
61	Immune-Mediated Glycocalyx Remodeling in Hospitalized COVID-19 Patients. <i>Cardiovascular Drugs and Therapy</i> , 2023, 37, 307-313.	1.3	12
62	Poor glycemic control impacts linear and non-linear dynamics of heart rate in DM type 2. <i>Revista Brasileira De Medicina Do Esporte</i> , 2015, 21, 313-317.	0.1	11
63	A single high-fat meal alters human soluble RAGE profiles and PBMC RAGE expression with no effect of prior aerobic exercise. <i>Physiological Reports</i> , 2018, 6, e13811.	0.7	11
64	Exercise Training Rapidly Increases Hepatic Insulin Extraction in NAFLD. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1449-1455.	0.2	9
65	Effect of oxidative stress on racial differences in vascular function at rest and during hand grip exercise. <i>Journal of Hypertension</i> , 2017, 35, 2006-2015.	0.3	8
66	Exercise reduces the protein abundance of TXNIP and its interacting partner REDD1 in skeletal muscle: potential role for a PKA-mediated mechanism. <i>Journal of Applied Physiology</i> , 2022, 132, 357-366.	1.2	7
67	High Intensity Acute Aerobic Exercise Elicits Alterations in Circulating and Skeletal Muscle Tissue Expression of Neuroprotective Exerkines. <i>Brain Plasticity</i> , 2022, 8, 5-18.	1.9	7
68	Plasma FGF21 concentrations are regulated by glucose independently of insulin and GLP-1 in lean, healthy humans. <i>PeerJ</i> , 2022, 10, e12755.	0.9	6
69	Exercise-induced improvements in glucose effectiveness are blunted by a high glycemic diet in adults with prediabetes. <i>Acta Diabetologica</i> , 2019, 56, 211-217.	1.2	4
70	Oral vitamin C restores endothelial function during acute inflammation in young and older adults. <i>Physiological Reports</i> , 2021, 9, e15104.	0.7	4
71	Type 2 Diabetes Mellitus as a Risk Factor for Alzheimer's Disease. , 2016, , 387-413.		2
72	Advanced Glycation End Products and Inflammatory Cytokine Profiles in Maintenance Hemodialysis Patients After the Ingestion of a Protein-Dense Meal. , 2021, , .		2

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73	Editorial: Mechanisms by Which Acute and Chronic Exercise Promote Cardiometabolic Health. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 159.	1.1	0
74	Editorial: Understanding the Heterogeneity in Exercise-Induced Changes in Glucose Metabolism to Help Optimize Treatment Outcomes. <i>Frontiers in Endocrinology</i> , 2021, 12, 699354.	1.5	0