

# John P Kirwan

## List of Publications by Year in descending order

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Version: 2024-02-01

152  
papers

14,065  
citations

44069

48  
h-index

20961

115  
g-index

152  
all docs

152  
docs citations

152  
times ranked

14616  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bariatric Surgery versus Intensive Medical Therapy in Obese Patients with Diabetes. <i>New England Journal of Medicine</i> , 2012, 366, 1567-1576.	27.0	1,973
2	Bariatric Surgery versus Intensive Medical Therapy for Diabetes – 5-Year Outcomes. <i>New England Journal of Medicine</i> , 2017, 376, 641-651.	27.0	1,963
3	Bariatric Surgery versus Intensive Medical Therapy for Diabetes – 3-Year Outcomes. <i>New England Journal of Medicine</i> , 2014, 370, 2002-2013.	27.0	1,369
4	TNF- $\alpha$ Is a Predictor of Insulin Resistance in Human Pregnancy. <i>Diabetes</i> , 2002, 51, 2207-2213.	0.6	643
5	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.	0.6	536
6	Can Diabetes Be Surgically Cured? Long-Term Metabolic Effects of Bariatric Surgery in Obese Patients with Type 2 Diabetes Mellitus. <i>Annals of Surgery</i> , 2013, 258, 628-637.	4.2	469
7	Joint international consensus statement for ending stigma of obesity. <i>Nature Medicine</i> , 2020, 26, 485-497.	30.7	468
8	Role of ceramides in nonalcoholic fatty liver disease. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 365-371.	7.1	252
9	Metabolic Effects of Bariatric Surgery in Patients With Moderate Obesity and Type 2 Diabetes. <i>Diabetes Care</i> , 2013, 36, 2175-2182.	8.6	250
10	Exercise/Physical Activity in Individuals with Type 2 Diabetes: A Consensus Statement from the American College of Sports Medicine. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 353-368.	0.4	209
11	Exercise-induced reversal of insulin resistance in obese elderly is associated with reduced visceral fat. <i>Journal of Applied Physiology</i> , 2006, 100, 1584-1589.	2.5	197
12	The essential role of exercise in the management of type 2 diabetes. <i>Cleveland Clinic Journal of Medicine</i> , 2017, 84, S15-S21.	1.3	195
13	Ceramide as a Mediator of Non-Alcoholic Fatty Liver Disease and Associated Atherosclerosis. <i>PLoS ONE</i> , 2015, 10, e0126910.	2.5	165
14	Effects of 7 days of exercise training on insulin sensitivity and responsiveness in type 2 diabetes mellitus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E151-E156.	3.5	154
15	TNF- $\alpha$ impairs insulin signaling and insulin stimulation of glucose uptake in C2C12 muscle cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 276, E849-E855.	3.5	150
16	Exercise and diet enhance fat oxidation and reduce insulin resistance in older obese adults. <i>Journal of Applied Physiology</i> , 2008, 104, 1313-1319.	2.5	146
17	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.	4.7	132
18	Regular exercise enhances insulin activation of IRS-1-associated PI3-kinase in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2000, 88, 797-803.	2.5	121

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19	Exercise training decreases activation of the mitochondrial fission protein dynamin-related protein-1 in insulin-resistant human skeletal muscle. <i>Journal of Applied Physiology</i> , 2014, 117, 239-245.	2.5	105
20	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.	8.6	103
21	Effects of Exercise and Caloric Restriction on Insulin Resistance and Cardiometabolic Risk Factors in Older Obese Adults--A Randomized Clinical Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 90-95.	3.6	101
22	Gastric Bypass Surgery Reduces Plasma Ceramide Subspecies and Improves Insulin Sensitivity in Severely Obese Patients. <i>Obesity</i> , 2011, 19, 2235-2240.	3.0	99
23	Enhanced adiponectin multimer ratio and skeletal muscle adiponectin receptor expression following exercise training and diet in older insulin-resistant adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E421-E427.	3.5	94
24	A moderate glycemic meal before endurance exercise can enhance performance. <i>Journal of Applied Physiology</i> , 1998, 84, 53-59.	2.5	90
25	Hyperglycemia Alters Tumor Necrosis Factor- $\alpha$ Release from Mononuclear Cells in Women with Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 5336-5342.	3.6	88
26	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.	2.9	88
27	Quantification of ceramide species in biological samples by liquid chromatography electrospray ionization tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2010, 401, 154-161.	2.4	87
28	Reversal of Insulin Resistance Postpartum Is Linked to Enhanced Skeletal Muscle Insulin Signaling. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 4678-4684.	3.6	86
29	Early effects of gastric bypass on endothelial function, inflammation, and cardiovascular risk in obese patients. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2011, 25, 2650-2659.	2.4	84
30	Short-term exercise reduces markers of hepatocyte apoptosis in nonalcoholic fatty liver disease. <i>Journal of Applied Physiology</i> , 2012, 113, 1-6.	2.5	83
31	Pancreatic $\beta$ -cell function increases in a linear dose-response manner following exercise training in adults with prediabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E1248-E1254.	3.5	78
32	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.	3.0	78
33	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.	3.6	76
34	Exercise training remodels human skeletal muscle mitochondrial fission and fusion machinery towards a pro- $\beta$ -tubulin phenotype. <i>Acta Physiologica</i> , 2019, 225, e13216.	3.8	74
35	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.	2.9	70
36	Risk prediction of complications of metabolic syndrome before and 6 years after gastric bypass. <i>Surgery for Obesity and Related Diseases</i> , 2014, 10, 576-582.	1.2	69

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37	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.	3.5	68
38	Human aging is associated with altered TNF- $\alpha$ production during hyperglycemia and hyperinsulinemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E1137-E1143.	3.5	67
39	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.	3.6	67
40	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.	3.6	66
41	Effects of moderate and high glycemic index meals on metabolism and exercise performance. <i>Metabolism: Clinical and Experimental</i> , 2001, 50, 849-855.	3.4	63
42	Bariatric Surgery in Obese Patients With Type 1 Diabetes. <i>Diabetes Care</i> , 2016, 39, 941-948.	8.6	63
43	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.	4.7	62
44	Hyperinsulinemia augments endothelin-1 protein expression and impairs vasodilation of human skeletal muscle arterioles. <i>Physiological Reports</i> , 2016, 4, e12895.	1.7	57
45	Functional high-intensity training improves pancreatic $\beta$ -cell function in adults with type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E314-E320.	3.5	57
46	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.	3.4	57
47	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.	2.5	55
48	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.	3.5	53
49	Functional high-intensity exercise training ameliorates insulin resistance and cardiometabolic risk factors in type 2 diabetes. <i>Experimental Physiology</i> , 2018, 103, 985-994.	2.0	53
50	Decreased Visfatin after Exercise Training Correlates with Improved Glucose Tolerance. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1255-1260.	0.4	52
51	Exercise Mitigates Bone Loss in Women With Severe Obesity After Roux-en-Y Gastric Bypass: A Randomized Controlled Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 4639-4650.	3.6	51
52	BAM15 $\alpha$ -mediated mitochondrial uncoupling protects against obesity and improves glycemic control. <i>EMBO Molecular Medicine</i> , 2020, 12, e12088.	6.9	51
53	Post-acute sequelae of COVID-19: A metabolic perspective. <i>ELife</i> , 2022, 11, .	6.0	51
54	Association Between Cardiorespiratory Fitness and the Determinants of Glycemic Control Across the Entire Glucose Tolerance Continuum. <i>Diabetes Care</i> , 2015, 38, 921-929.	8.6	49

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55	The glucose-dependent insulinotropic polypeptide and glucose-stimulated insulin response to exercise training and diet in obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E1269-E1274.	3.5	48
56	Increasing Whole Grain Intake as Part of Prevention and Treatment of Nonalcoholic Fatty Liver Disease. <i>International Journal of Endocrinology</i> , 2013, 2013, 1-13.	1.5	47
57	Exploring the impact of bariatric surgery on high density lipoprotein. <i>Surgery for Obesity and Related Diseases</i> , 2015, 11, 238-247.	1.2	47
58	Bariatric Surgery Improves the Metabolic Profile of Morbidly Obese Patients With Type 1 Diabetes. <i>Diabetes Care</i> , 2014, 37, e51-e52.	8.6	44
59	Fasting hyperglycaemia blunts the reversal of impaired glucose tolerance after exercise training in obese older adults. <i>Diabetes, Obesity and Metabolism</i> , 2012, 14, 835-841.	4.4	43
60	Brown and Beige Adipose Tissue. <i>Endocrinology and Metabolism Clinics of North America</i> , 2016, 45, 605-621.	3.2	43
61	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.	3.5	43
62	Mitochondrial dynamics in skeletal muscle insulin resistance and type 2 diabetes. <i>Translational Research</i> , 2018, 202, 69-82.	5.0	43
63	Effects of Lifestyle Intervention on Plasma Trimethylamine N-Oxide in Obese Adults. <i>Nutrients</i> , 2019, 11, 179.	4.1	42
64	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.	1.9	41
65	$\beta$ -Cell Dysfunction Is Associated with Metabolic Syndrome Severity in Adults. <i>Metabolic Syndrome and Related Disorders</i> , 2014, 12, 79-85.	1.3	41
66	Euglycemic Clamp Study in Clozapine-Induced Diabetic Ketoacidosis. <i>Annals of Pharmacotherapy</i> , 2001, 35, 1381-1387.	1.9	40
67	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.	0.4	40
68	Lipids activate skeletal muscle mitochondrial fission and quality control networks to induce insulin resistance in humans. <i>Metabolism: Clinical and Experimental</i> , 2021, 121, 154803.	3.4	40
69	Retinol-binding Protein 4 (RBP4) Protein Expression Is Increased in Omental Adipose Tissue of Severely Obese Patients. <i>Obesity</i> , 2010, 18, 663-666.	3.0	39
70	Failed Surgical Weight Loss Does Not Necessarily Mean Failed Metabolic Effects. <i>Diabetes Technology and Therapeutics</i> , 2015, 17, 682-684.	4.4	39
71	DiaRem score: external validation. <i>Lancet Diabetes and Endocrinology</i> , 2014, 2, 12-13.	11.4	38
72	Exercise training promotes a GDF15-associated reduction in fat mass in older adults with obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E829-E836.	3.5	38

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73	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.	3.5	37
74	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.	0.4	36
75	Pancreatic $\beta$ -cell dysfunction in polycystic ovary syndrome: role of hyperglycemia-induced nuclear factor- $\kappa$ B activation and systemic inflammation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E770-E777.	3.5	36
76	Abnormal Glucose Metabolism and High-Energy Expenditure in Idiopathic Pulmonary Arterial Hypertension. <i>Annals of the American Thoracic Society</i> , 2017, 14, 190-199.	3.2	36
77	Diabetes Remission in the Alliance of Randomized Trials of Medicine Versus Metabolic Surgery in Type 2 Diabetes (ARMMS-T2D). <i>Diabetes Care</i> , 2022, 45, 1574-1583.	8.6	35
78	Effects of a moderate glycemic meal on exercise duration and substrate utilization. <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, 1517-1523.	0.4	34
79	Altered tumor necrosis factor $\alpha$ release from mononuclear cells of obese reproductive-age women during hyperglycemia. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 271-276.	3.4	32
80	Reduced cardiovascular risk after bariatric surgery is linked to plasma ceramides, apolipoprotein-B100, and ApoB100/A1 ratio. <i>Surgery for Obesity and Related Diseases</i> , 2013, 9, 100-107.	1.2	32
81	$\beta$ -Hydroxybutyrate is reduced in humans with obesity-related NAFLD and displays a dose-dependent effect on skeletal muscle mitochondrial respiration in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E187-E195.	3.5	32
82	Mice Lacking C1q Are Protected from High Fat Diet-induced Hepatic Insulin Resistance and Impaired Glucose Homeostasis. <i>Journal of Biological Chemistry</i> , 2013, 288, 22565-22575.	3.4	31
83	In vitro contraction protects against palmitate-induced insulin resistance in C2C12 myotubes. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C575-C583.	4.6	31
84	Effects of aging on basal fat oxidation in obese humans. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, 1141-1147.	3.4	30
85	Adjusting Glucose-Stimulated Insulin Secretion for Adipose Insulin Resistance: An Index of $\beta$ -Cell Function in Obese Adults. <i>Diabetes Care</i> , 2014, 37, 2940-2946.	8.6	29
86	Gastric bypass surgery is protective from high-fat diet-induced non-alcoholic fatty liver disease and hepatic endoplasmic reticulum stress. <i>Acta Physiologica</i> , 2016, 217, 141-151.	3.8	29
87	Exercise-Induced Increases in Insulin Sensitivity After Bariatric Surgery Are Mediated By Muscle Extracellular Matrix Remodeling. <i>Diabetes</i> , 2020, 69, 1675-1691.	0.6	28
88	Lipids and ketones dominate metabolism at the expense of glucose control in pulmonary arterial hypertension: a hyperglycaemic clamp and metabolomics study. <i>European Respiratory Journal</i> , 2020, 55, 1901700.	6.7	28
89	Insulin and exercise differentially regulate PI3-kinase and glycogen synthase in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2000, 89, 1412-1419.	2.5	27
90	Lower dipeptidyl peptidase-4 following exercise training plus weight loss is related to increased insulin sensitivity in adults with metabolic syndrome. <i>Peptides</i> , 2013, 47, 142-147.	2.4	27

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91	Chrelin suppression is associated with weight loss and insulin action following gastric bypass surgery at 12 months in obese adults with type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2013, 15, 963-966.	4.4	27
92	A low-glycemic diet lifestyle intervention improves fat utilization during exercise in older obese humans. <i>Obesity</i> , 2013, 21, 2272-2278.	3.0	26
93	Effect of Roux-en-Y Gastric Bypass on the NLRP3 Inflammasome in Adipose Tissue from Obese Rats. <i>PLoS ONE</i> , 2015, 10, e0139764.	2.5	26
94	A Whole-Grain Diet Increases Glucose-Stimulated Insulin Secretion Independent of Gut Hormones in Adults at Risk for Type 2 Diabetes. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800967.	3.3	26
95	The effect of selective gut stimulation on glucose metabolism after gastric bypass in the Zucker diabetic fatty rat model. <i>Surgery for Obesity and Related Diseases</i> , 2014, 10, 29-35.	1.2	25
96	A high-throughput method for liquid chromatography-tandem mass spectrometry determination of plasma alkylresorcinols, biomarkers of whole grain wheat and rye intake. <i>Analytical Biochemistry</i> , 2016, 499, 1-7.	2.4	25
97	Mitochondrial uncoupling attenuates sarcopenic obesity by enhancing skeletal muscle mitophagy and quality control. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1821-1836.	7.3	25
98	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.	3.5	23
99	Exercise-induced lowering of chemerin is associated with reduced cardiometabolic risk and glucose-stimulated insulin secretion in older adults. <i>Journal of Nutrition, Health and Aging</i> , 2014, 18, 608-615.	3.3	23
100	Serum levels of retinol-binding protein 4 and risk of colon adenoma. <i>Endocrine-Related Cancer</i> , 2015, 22, L1-L4.	3.1	22
101	Effect of Roux-en-Y gastric bypass on liver mitochondrial dynamics in a rat model of obesity. <i>Physiological Reports</i> , 2018, 6, e13600.	1.7	22
102	Adiposity, Physical Function, and Their Associations With Insulin Resistance, Inflammation, and Adipokines in CKD. <i>American Journal of Kidney Diseases</i> , 2021, 77, 44-55.	1.9	22
103	Pancreatic islet isolation after gastric bypass in a rat model: technique and initial results for a promising research tool. <i>Surgery for Obesity and Related Diseases</i> , 2010, 6, 532-537.	1.2	20
104	Duration of Type 2 Diabetes and Very Low Density Lipoprotein Levels Are Associated with Cognitive Dysfunction in Metabolic Syndrome. <i>Cardiovascular Psychiatry and Neurology</i> , 2014, 2014, 1-6.	0.8	20
105	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.	3.0	20
106	Short-term aerobic exercise training improves gut peptide regulation in nonalcoholic fatty liver disease. <i>Journal of Applied Physiology</i> , 2016, 120, 1159-1164.	2.5	19
107	UCC118 supplementation reduces exercise-induced gastrointestinal permeability and remodels the gut microbiome in healthy humans. <i>Physiological Reports</i> , 2019, 7, e14276.	1.7	19
108	Exercise as a Moderator of Persistent Neuroendocrine Symptoms of Covid 19. <i>Exercise and Sport Sciences Reviews</i> , 2022, Publish Ahead of Print, .	3.0	17

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109	Exercise Training and Dietary Glycemic Load May Have Synergistic Effects on Insulin Resistance in Older Obese Adults. <i>Annals of Nutrition and Metabolism</i> , 2009, 55, 326-333.	1.9	16
110	Exercise Training Impacts Skeletal Muscle Clock Machinery in Prediabetes. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2078-2085.	0.4	15
111	CRISPR/Cas9-engineered <i>Drosophila</i> knock-in models to study VCP diseases. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	2.4	15
112	Age-related differences in the pancreatic $\beta$ -cell response to hyperglycemia after eccentric exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998, 275, E463-E470.	3.5	14
113	Plasma Ceramides Target Skeletal Muscle in Type 2 Diabetes. <i>Diabetes</i> , 2013, 62, 352-354.	0.6	14
114	Glucose and lipopolysaccharide regulate proatherogenic cytokine release from mononuclear cells in polycystic ovary syndrome. <i>Journal of Reproductive Immunology</i> , 2014, 103, 38-44.	1.9	14
115	Insulin resistance persists despite a metabolically healthy obesity phenotype. <i>Obesity</i> , 2022, 30, 39-44.	3.0	14
116	Longer-Term Physiological and Metabolic Effects of Gastric Bypass Surgery. <i>Current Diabetes Reports</i> , 2016, 16, 50.	4.2	13
117	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.	2.6	13
118	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.	1.7	13
119	A randomized clinical trial on the effects of exercise on muscle remodelling following bariatric surgery. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1440-1455.	7.3	13
120	Gastric Bypass Surgery Improves the Skeletal Muscle Ceramide/S1P Ratio and Upregulates the AMPK/SIRT1/PGC-1 $\alpha$ Pathway in Zucker Diabetic Fatty Rats. <i>Obesity Surgery</i> , 2019, 29, 2158-2165.	2.1	12
121	Moringa Oleifera Seed Extract Concomitantly Supplemented with Chemotherapy Worsens Tumor Progression in Mice with Triple Negative Breast Cancer and Obesity. <i>Nutrients</i> , 2021, 13, 2923.	4.1	12
122	Weight loss as a cure for Type 2 diabetes: fact or fantasy?. <i>Expert Review of Endocrinology and Metabolism</i> , 2011, 6, 557-561.	2.4	11
123	A Trial of Lifestyle Modification on Cardiopulmonary, Inflammatory, and Metabolic Effects among Obese with Chronic Kidney Disease. <i>American Journal of Nephrology</i> , 2015, 42, 274-281.	3.1	11
124	Roux-en-Y gastric bypass restores islet function and morphology independent of body weight in ZDF rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E392-E398.	3.5	11
125	Breast cancer growth and proliferation is suppressed by the mitochondrial targeted furazano[3,4-b]pyrazine BAM15. <i>Cancer &amp; Metabolism</i> , 2021, 9, 36.	5.0	11
126	Plasma metabolomic profile in chronic thromboembolic pulmonary hypertension. <i>Pulmonary Circulation</i> , 2020, 10, 2045894019890553.	1.7	11



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127	Exercise plus caloric restriction lowers soluble RAGE in adults with chronic kidney disease. <i>Obesity Science and Practice</i> , 2020, 6, 307-312.	1.9	10
128	Exercise Enhances the Effect of Bariatric Surgery in Markers of Cardiac Autonomic Function. <i>Obesity Surgery</i> , 2021, 31, 1381-1386.	2.1	10
129	The historical context and scientific legacy of John O. Holloszy. <i>Journal of Applied Physiology</i> , 2019, 127, 277-305.	2.5	9
130	Effects of gastric bypass surgery on expression of glucose transporters and fibrotic biomarkers in kidney of diabetic fatty rats. <i>Surgery for Obesity and Related Diseases</i> , 2020, 16, 1242-1248.	1.2	9
131	Exercise Training Rapidly Increases Hepatic Insulin Extraction in NAFLD. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1449-1455.	0.4	9
132	Exercise Is Key to Sustaining Metabolic Gains After Bariatric Surgery. <i>Exercise and Sport Sciences Reviews</i> , 2021, 49, 197-204.	3.0	8
133	Dynamin-related protein 1 regulates substrate oxidation in skeletal muscle by stabilizing cellular and mitochondrial calcium dynamics. <i>Journal of Biological Chemistry</i> , 2021, 297, 101196.	3.4	8
134	Effect of Roux-en-Y Gastric Bypass on the NLRP3 Inflammasome in Pancreatic Islets from Zucker Diabetic Fatty Rats. <i>Obesity Surgery</i> , 2016, 26, 3076-3081.	2.1	6
135	Gastrostomy tube placement in gastric remnant at gastric bypass: a rat model for selective gut stimulation. <i>Surgery for Obesity and Related Diseases</i> , 2013, 9, 442-446.	1.2	5
136	Response to Comments on Brethauer et al. Bariatric Surgery Improves the Metabolic Profile of Morbidly Obese Patients With Type 1 Diabetes. <i>Diabetes Care</i> 2014;37:e51â€“e52. <i>Diabetes Care</i> , 2014, 37, e251-e251.	8.6	5
137	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.	2.5	4
138	Constraints of Weight Loss as a Marker of Bariatric Surgery Success: An Exploratory Study. <i>Frontiers in Physiology</i> , 2021, 12, 640191.	2.8	4
139	A Whole-Grain Diet Increases Whole-Body Protein Balance Compared with a Macronutrient-Matched Refined-Grain Diet. <i>Current Developments in Nutrition</i> , 2021, 5, nzab121.	0.3	4
140	Insulin sensitivity in skeletal muscle: â€œUse it or lose it, fastâ€• <i>Journal of Applied Physiology</i> , 2010, 108, 1023-1024.	2.5	3
141	Outpatient Screening of Health Status Among Postbariatric Patients during the COVIDâ€“19 Pandemic in Sao Paulo, Brazil. <i>Obesity</i> , 2020, 28, 2263-2264.	3.0	3
142	Resting Energy Expenditure Is Elevated in Asthma. <i>Nutrients</i> , 2021, 13, 1065.	4.1	3
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