

Steven K Malin

List of Publications by Year in descending order

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106
papers

3,065
citations

172207

29
h-index

197535

49
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106
all docs

106
docs citations

106
times ranked

4041
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.2	209
2	Effects of metformin on weight loss. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2014, 21, 323-329.	1.2	183
3	Independent and Combined Effects of Exercise Training and Metformin on Insulin Sensitivity in Individuals With Prediabetes. <i>Diabetes Care</i> , 2012, 35, 131-136.	4.3	177
4	Combining short-term metformin treatment and one bout of exercise does not increase insulin action in insulin-resistant individuals. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 298, E815-E823.	1.8	116
5	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
6	Pancreatic β -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.	1.8	78
7	Metformin modifies the exercise training effects on risk factors for cardiovascular disease in impaired glucose tolerant adults. <i>Obesity</i> , 2013, 21, 93-100.	1.5	76
8	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
9	Pancreatic β -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
10	Exercise-Induced Lowering of Fetuin-A May Increase Hepatic Insulin Sensitivity. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 2085-2090.	0.2	63
11	Sarcopenia and a physiologically low respiratory quotient in patients with cirrhosis: a prospective controlled study. <i>Journal of Applied Physiology</i> , 2013, 114, 559-565.	1.2	59
12	Bariatric surgery insurance requirements independently predict surgery dropout. <i>Surgery for Obesity and Related Diseases</i> , 2017, 13, 871-876.	1.0	59
13	Functional high-intensity training improves pancreatic β -cell function in adults with type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 313, E314-E320.	1.8	57
14	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
15	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
16	Functional high-intensity exercise training ameliorates insulin resistance and cardiometabolic risk factors in type 2 diabetes. <i>Experimental Physiology</i> , 2018, 103, 985-994.	0.9	53
17	Improved acylated ghrelin suppression at 2 years in obese patients with type 2 diabetes: effects of bariatric surgery vs standard medical therapy. <i>International Journal of Obesity</i> , 2014, 38, 364-370.	1.6	51
18	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

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19	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
20	Attenuated improvements in adiponectin and fat loss characterize type 2 diabetes nonremission status after bariatric surgery. <i>Diabetes, Obesity and Metabolism</i> , 2014, 16, 1230-1238.	2.2	46
21	Impact of Metformin on Exercise-Induced Metabolic Adaptations to Lower Type 2 Diabetes Risk. <i>Exercise and Sport Sciences Reviews</i> , 2016, 44, 4-11.	1.6	45
22	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.	2.2	43
23	Effects of Lifestyle Intervention on Plasma Trimethylamine N-Oxide in Obese Adults. <i>Nutrients</i> , 2019, 11, 179.	1.7	42
24	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
25	β -Cell Dysfunction Is Associated with Metabolic Syndrome Severity in Adults. <i>Metabolic Syndrome and Related Disorders</i> , 2014, 12, 79-85.	0.5	41
26	Exercise Intensity Modulates Glucose-Stimulated Insulin Secretion when Adjusted for Adipose, Liver and Skeletal Muscle Insulin Resistance. <i>PLoS ONE</i> , 2016, 11, e0154063.	1.1	39
27	Pancreatic β -cell dysfunction in polycystic ovary syndrome: role of hyperglycemia-induced nuclear factor- κ B activation and systemic inflammation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E770-E777.	1.8	36
28	Abnormal Glucose Metabolism and High-Energy Expenditure in Idiopathic Pulmonary Arterial Hypertension. <i>Annals of the American Thoracic Society</i> , 2017, 14, 190-199.	1.5	36
29	Appetite regulation in response to sitting and energy imbalance. <i>Applied Physiology, Nutrition and Metabolism</i> , 2012, 37, 323-333.	0.9	31
30	Glucose Tolerance is Linked to Postprandial Fuel Use Independent of Exercise Dose. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2058-2066.	0.2	31
31	Noninvasive Assessment of Internal and External Player Load: Implications for Optimizing Athletic Performance. <i>Journal of Strength and Conditioning Research</i> , 2018, 32, 1280-1287.	1.0	30
32	Adjusting Glucose-Stimulated Insulin Secretion for Adipose Insulin Resistance: An Index of β -Cell Function in Obese Adults. <i>Diabetes Care</i> , 2014, 37, 2940-2946.	4.3	29
33	Extracellular Vesicles: A Novel Target for Exercise-Mediated Reductions in Type 2 Diabetes and Cardiovascular Disease Risk. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-14.	1.0	29
34	Bariatric Surgery, Kidney Function, Insulin Resistance, and Adipokines in Patients With Decreased GFR: A Cohort Study. <i>American Journal of Kidney Diseases</i> , 2015, 65, 345-347.	2.1	28
35	Adults with long-duration type 2 diabetes have blunted glycemic and β -Cell function improvements after bariatric surgery. <i>Obesity</i> , 2015, 23, 523-526.	1.5	28
36	Nutrient Deficiency 10 Years Following Roux-en-Y Gastric Bypass: Who's Responsible?. <i>Obesity Surgery</i> , 2017, 27, 1131-1136.	1.1	28

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37	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.	1.2	27
38	Ghrelin 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.	2.2	27
39	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.	1.5	26
40	Metformin's Effect on Exercise and Postexercise Substrate Oxidation. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2010, 20, 63-71.	1.0	25
41	Differences in Weight Loss and Gut Hormones: Rouen-Y Gastric Bypass and Sleeve Gastrectomy Surgery. <i>Current Obesity Reports</i> , 2015, 4, 279-286.	3.5	25
42	Exercise resistance across the prediabetes phenotypes: Impact on insulin sensitivity and substrate metabolism. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2016, 17, 81-90.	2.6	25
43	Exercise improves adiposopathy, insulin sensitivity and metabolic syndrome severity independent of intensity. <i>Experimental Physiology</i> , 2020, 105, 632-640.	0.9	25
44	Determining pancreatic β -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
45	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.	1.5	23
46	Type 2 diabetes remission following gastric bypass: does diarem stand the test of time?. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 538-542.	1.3	22
47	Effect of metformin on substrate utilization after exercise training in adults with impaired glucose tolerance. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 427-430.	0.9	21
48	A low-calorie diet with or without interval exercise training improves adiposopathy in obese women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 1057-1064.	0.9	21
49	Diabetes pathogenesis and management: the endothelium comes of age. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 500-512.	1.5	21
50	Glucose-Stimulated Oxidative Stress in Mononuclear Cells Is Related to Pancreatic β -Cell Dysfunction in Polycystic Ovary Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 322-329.	1.8	20
51	Clinical significance of failure to lose weight 10 years after roux-en-y gastric bypass. <i>Surgery for Obesity and Related Diseases</i> , 2017, 13, 1710-1716.	1.0	20
52	Combining Short-Term Interval Training with Caloric Restriction Improves β -Cell Function in Obese Adults. <i>Nutrients</i> , 2018, 10, 717.	1.7	20
53	Impact of Weight loss Trajectory Following Randomization to Bariatric Surgery on Long-Term Diabetes Glycemic and Cardiometabolic Parameters. <i>Endocrine Practice</i> , 2019, 25, 572-579.	1.1	19
54	Physical Activity and Cardiometabolic Risk Factor Clustering in Young Adults with Obesity. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1050-1056.	0.2	19

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55	Exercise training and metformin, but not exercise training alone, decreases insulin production and increases insulin clearance in adults with prediabetes. <i>Journal of Applied Physiology</i> , 2017, 123, 243-248.	1.2	18
56	Bariatric Surgery Resistance: Using Preoperative Lifestyle Medicine and/or Pharmacology for Metabolic Responsiveness. <i>Obesity Surgery</i> , 2017, 27, 3281-3291.	1.1	18
57	Postprandial augmentation index is reduced in adults with prediabetes following continuous and interval exercise training. <i>Experimental Physiology</i> , 2019, 104, 264-271.	0.9	18
58	Impact of short-term exercise training intensity on β -cell function in older obese adults with prediabetes. <i>Journal of Applied Physiology</i> , 2018, 125, 1979-1986.	1.2	18
59	Pre-operative aerobic exercise on metabolic health and surgical outcomes in patients receiving bariatric surgery: A pilot trial. <i>PLoS ONE</i> , 2020, 15, e0239130.	1.1	17
60	Low cardiorespiratory fitness is associated with higher extracellular vesicle counts in obese adults. <i>Physiological Reports</i> , 2018, 6, e13701.	0.7	16
61	Impact of Short-Term Continuous and Interval Exercise Training on Endothelial Function and Glucose Metabolism in Prediabetes. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-8.	1.0	16
62	A Low-Calorie Diet with or without Exercise Reduces Postprandial Aortic Waveform in Females with Obesity. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 796-803.	0.2	16
63	Effect of Creatine Supplementation on Muscle Capacity in Individuals with Multiple Sclerosis. <i>Journal of Dietary Supplements</i> , 2008, 5, 20-32.	1.4	15
64	Two weeks of exercise training intensity on appetite regulation in obese adults with prediabetes. <i>Journal of Applied Physiology</i> , 2019, 126, 746-754.	1.2	15
65	Metformin May Contribute to Inter-individual Variability for Glycemic Responses to Exercise. <i>Frontiers in Endocrinology</i> , 2020, 11, 519.	1.5	15
66	Effect of adiposity on insulin action after acute and chronic resistance exercise in non-diabetic women. <i>European Journal of Applied Physiology</i> , 2013, 113, 2933-2941.	1.2	14
67	Impact of Pre-operative Aerobic Exercise on Cardiometabolic Health and Quality of Life in Patients Undergoing Bariatric Surgery. <i>Frontiers in Physiology</i> , 2020, 11, 1018.	1.3	14
68	Mild fasting hyperglycemia shifts fuel reliance toward fat during exercise in adults with impaired glucose tolerance. <i>Journal of Applied Physiology</i> , 2013, 115, 78-83.	1.2	13
69	Effects of various gastrointestinal procedures on β -cell function in obesity and type 2 diabetes. <i>Surgery for Obesity and Related Diseases</i> , 2016, 12, 1213-1219.	1.0	13
70	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
71	Endothelial function following glucose ingestion in adults with prediabetes: Role of exercise intensity. <i>Obesity</i> , 2016, 24, 1515-1521.	1.5	12
72	Insulin Sensitivity and Metabolic Flexibility Parallel Plasma TCA Levels in Early Chronotype With Metabolic Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3487-e3496.	1.8	12

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73	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.	1.4	11
74	Enhancing Exercise Responsiveness across Prediabetes Phenotypes by Targeting Insulin Sensitivity with Nutrition. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-8.	1.0	11
75	Interval Exercise Lowers Circulating CD105 Extracellular Vesicles in Prediabetes. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 729-735.	0.2	10
76	Exercise plus caloric restriction lowers soluble RAGE in adults with chronic kidney disease. <i>Obesity Science and Practice</i> , 2020, 6, 307-312.	1.0	10
77	Insulin stimulation reduces aortic wave reflection in adults with metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H2305-H2312.	1.5	10
78	A single bout of exercise improves vascular insulin sensitivity in adults with obesity. <i>Obesity</i> , 2021, 29, 1487-1496.	1.5	10
79	Impact of Exercise on Inflammatory Mediators of Metabolic and Vascular Insulin Resistance in Type 2 Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1134, 271-294.	0.8	9
80	Short-term interval exercise suppresses acylated ghrelin and hunger during caloric restriction in women with obesity. <i>Physiology and Behavior</i> , 2020, 223, 112978.	1.0	9
81	Endothelial function following interval exercise plus low-calorie diet treatment in obese females. <i>Physiological Reports</i> , 2019, 7, e14239.	0.7	8
82	An Oral Glucose Load Decreases Postprandial Extracellular Vesicles in Obese Adults with and without Prediabetes. <i>Nutrients</i> , 2019, 11, 580.	1.7	8
83	Type 2 Diabetes Treatment in the Patient with Obesity. <i>Endocrinology and Metabolism Clinics of North America</i> , 2016, 45, 553-564.	1.2	7
84	Whole-Body Metabolism, Carbohydrate Utilization, and Caloric Energy Balance After Sport Concussion: A Pilot Study. <i>Sports Health</i> , 2020, 12, 382-389.	1.3	7
85	Considerations for Maximizing the Exercise "Drug" to Combat Insulin Resistance: Role of Nutrition, Sleep, and Alcohol. <i>Nutrients</i> , 2021, 13, 1708.	1.7	7
86	Acute exercise improves glucose and TAG metabolism in young and older adults following high-fat, high-carbohydrate meal intake. <i>British Journal of Nutrition</i> , 2022, 127, 687-695.	1.2	7
87	Comparing Simple Insulin Sensitivity Indices to the Oral Minimal Model Postexercise. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 66-72.	0.2	6
88	Two Weeks of Interval Training Enhances Fat Oxidation during Exercise in Obese Adults with Prediabetes. <i>Journal of Sports Science and Medicine</i> , 2019, 18, 636-644.	0.7	6
89	Acute exercise decreases insulin-stimulated extracellular vesicles in conjunction with augmentation index in adults with obesity. <i>Journal of Physiology</i> , 2023, 601, 5033-5050.	1.3	6
90	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.	0.1	4

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91	Research Toolbox for Peripheral Arterial Diseaseâ€”Minimally Invasive Assessment of the Vasculature and Skeletal Muscle â€”. Circulation Journal, 2018, 82, 2462-2469.	0.7	3
92	Foregut Exclusion Enhances Incretin and Insulin Secretion After Roux-en-Y Gastric Bypass in Adults With Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e4192-e4201.	1.8	3
93	Cellular and Functional Effects of Insulin Based Therapies and Exercise on Endothelium. Current Pharmaceutical Design, 2020, 26, 3760-3767.	0.9	3
94	Rationale and design of a randomized controlled trial examining oral administration of bisphenol A on hepatic glucose production and skeletal muscle insulin sensitivity in adults. Contemporary Clinical Trials Communications, 2020, 17, 100549.	0.5	2
95	Metformin Modifies the Exercise Training Effects on Risk Factors for Cardiovascular Disease in Impaired Glucose Tolerant Adults. Obesity, 0, , .	1.5	2
96	Impact of a short-term low calorie diet alone or with interval exercise on quality of life and oxidized phospholipids in obese females. Physiology and Behavior, 2022, 246, 113706.	1.0	2
97	Dosing Exercise: Is More Really Better for Obesityâ€”Related Outcomes?. Obesity, 2018, 26, 1672-1672.	1.5	1
98	Insulin at the Crossroads of Metabolic, Neurologic, and Vasculature Disease. Exercise and Sport Sciences Reviews, 2019, 47, 64-65.	1.6	1
99	Changes in Metabolism and Caloric Intake after Sport Concussion: A Case Series. Translational Journal of the American College of Sports Medicine, 2020, 5, .	0.3	1
100	Role of Blood Pressure Responses to Exercise and Vascular Insulin Sensitivity with Nocturnal Blood Pressure Dipping in Metabolic Syndrome. Journal of Vascular Research, 2022, 59, 151-162.	0.6	1
101	Are we closer to providing better guidance for prescribing metformin and exercise to patients?. Obesity, 0, , .	1.5	1
102	Creatine Supplementation Enhances Endurance Performance in Trained Rats. Journal of Dietary Supplements, 2008, 5, 106-116.	1.4	0
103	Timing Is Everything, Right? Meal Impact on Circadian Related Health. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e1050-e1051.	1.8	0
104	Effect of presurgical aerobic exercise on cardiometabolic health 30 days after bariatric surgery. Physiological Reports, 2021, 9, e15039.	0.7	0
105	A LEAP2 Forward in Gut-Induced Metabolic Profiling. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e1455-e1457.	1.8	0
106	Exercise and Reduced Nicotine Content Cigarettes in Adult Female Smokers: A Pilot Trial. International Journal of Environmental Research and Public Health, 2022, 19, 6647.	1.2	0