

Kristian Karstoft

List of Publications by Year in descending order

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76
papers

2,731
citations

257357

24
h-index

197736

49
g-index

79
all docs

79
docs citations

79
times ranked

4410
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effects of Free-Living Interval-Walking Training on Glycemic Control, Body Composition, and Physical Fitness in Type 2 Diabetic Patients. <i>Diabetes Care</i> , 2013, 36, 228-236.	4.3	280
2	FGF21 Mediates Endocrine Control of Simple Sugar Intake and Sweet Taste Preference by the Liver. <i>Cell Metabolism</i> , 2016, 23, 335-343.	7.2	270
3	Exercise-Induced Changes in Visceral Adipose Tissue Mass Are Regulated by IL-6 Signaling: A Randomized Controlled Trial. <i>Cell Metabolism</i> , 2019, 29, 844-855.e3.	7.2	228
4	Exercise and type 2 diabetes: focus on metabolism and inflammation. <i>Immunology and Cell Biology</i> , 2016, 94, 146-150.	1.0	182
5	Effect of an Intensive Lifestyle Intervention on Glycemic Control in Patients With Type 2 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 637.	3.8	154
6	Skeletal muscle as a gene regulatory endocrine organ. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 270-275.	1.3	95
7	Interleukin-6 Delays Gastric Emptying in Humans with Direct Effects on Glycemic Control. <i>Cell Metabolism</i> , 2018, 27, 1201-1211.e3.	7.2	73
8	Mechanisms behind the superior effects of interval vs continuous training on glycaemic control in individuals with type 2 diabetes: a randomised controlled trial. <i>Diabetologia</i> , 2014, 57, 2081-2093.	2.9	70
9	Pharmacological but not physiological GDF15 suppresses feeding and the motivation to exercise. <i>Nature Communications</i> , 2021, 12, 1041.	5.8	69
10	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
11	The Acute Effects of Interval- Vs Continuous-Walking Exercise on Glycemic Control in Subjects With Type 2 Diabetes: A Crossover, Controlled Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 3334-3342.	1.8	63
12	Effect of Aerobic and Resistance Exercise on Cardiac Adipose Tissues. <i>JAMA Cardiology</i> , 2019, 4, 778.	3.0	58
13	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
14	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
15	GLP-1 secretion is regulated by IL-6 signalling: a randomised, placebo-controlled study. <i>Diabetologia</i> , 2020, 63, 362-373.	2.9	48
16	The effects of 2 weeks of interval vs continuous walking training on glycaemic control and whole-body oxidative stress in individuals with type 2 diabetes: a controlled, randomised, crossover trial. <i>Diabetologia</i> , 2017, 60, 508-517.	2.9	46
17	Increased shelterin mRNA expression in peripheral blood mononuclear cells and skeletal muscle following an ultra-long-distance running event. <i>Journal of Applied Physiology</i> , 2012, 112, 773-781.	1.2	44
18	Examining the Effects of Hyperglycemia on Pancreatic Endocrine Function in Humans: Evidence for <i>In Vivo</i> Glucotoxicity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 4682-4691.	1.8	44

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19	Normal physical activity obliterates the deleterious effects of a high-caloric intake. <i>Journal of Applied Physiology</i> , 2014, 116, 231-239.	1.2	44
20	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
21	The immediate effects of a single bout of aerobic exercise on oral glucose tolerance across the glucose tolerance continuum. <i>Physiological Reports</i> , 2014, 2, e12114.	0.7	42
22	Type 2 diabetes remission 1â€%year after an intensive lifestyle intervention: A secondary analysis of a randomized clinical trial. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 2257-2266.	2.2	37
23	Aerobic Exercise Induces Cardiac Fat Loss and Alters Cardiac Muscle Mass Through an Interleukin-6 Receptorâ€“Dependent Mechanism. <i>Circulation</i> , 2019, 140, 1684-1686.	1.6	30
24	The effects of dapagliflozin, metformin or exercise on glycaemic variability in overweight or obese individuals with prediabetes (the PRE-D Trial): a multi-arm, randomised, controlled trial. <i>Diabetologia</i> , 2021, 64, 42-55.	2.9	29
25	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
26	Intermittent Standing but not a Moderate Exercise Bout Reduces Postprandial Glycemia. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2305-2314.	0.2	24
27	Determining pancreatic Î²-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
28	Head-to-head comparison of intensive lifestyle intervention (U-TURN) versus conventional multifactorial care in patients with type 2 diabetes: protocol and rationale for an assessor-blinded, parallel group and randomised trial. <i>BMJ Open</i> , 2015, 5, e009764.	0.8	23
29	The effect of alternate-day caloric restriction on the metabolic consequences of 8 days of bed rest in healthy lean men: a randomized trial. <i>Journal of Applied Physiology</i> , 2017, 122, 230-241.	1.2	22
30	The effects of interval- vs. continuous exercise on excess post-exercise oxygen consumption and substrate oxidation rates in subjects with type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 1316-1325.	1.5	20
31	Why prescribe exercise as therapy in type 2 diabetes? We have a pill for that!. <i>Diabetes/Metabolism Research and Reviews</i> , 2018, 34, e2999.	1.7	20
32	Effect of ecological momentary assessment, goal-setting and personalized phone-calls on adherence to interval walking training using the InterWalk application among patients with type 2 diabetesâ€“A pilot randomized controlled trial. <i>PLoS ONE</i> , 2019, 14, e0208181.	1.1	18
33	Beta-aminoisobutyric acid is released by contracting human skeletal muscle and lowers insulin release from INS-1 832/3Îšcells by mediating mitochondrial energy metabolism. <i>Metabolism Open</i> , 2020, 7, 100053.	1.4	18
34	Differential time responses in inflammatory and oxidative stress markers after a marathon: An observational study. <i>Journal of Sports Sciences</i> , 2020, 38, 2080-2091.	1.0	18
35	Protocol for a randomised controlled trial of the effect of dapagliflozin, metformin and exercise on glycaemic variability, body composition and cardiovascular risk in prediabetes (the PRE-D Trial). <i>BMJ Open</i> , 2017, 7, e013802.	0.8	17
36	Resting Metabolic Rate Does Not Change in Response to Different Types of Training in Subjects with Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2017, 8, 132.	1.5	17

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37	Altered brown fat thermoregulation and enhanced cold-induced thermogenesis in young, healthy, winter-swimming men. <i>Cell Reports Medicine</i> , 2021, 2, 100408.	3.3	17
38	Direct effect of incretin hormones on glucose and glycerol metabolism and hemodynamics. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E426-E433.	1.8	16
39	Criterion validity and reliability of a smartphone delivered sub-maximal fitness test for people with type 2 diabetes. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2016, 8, 31.	0.7	16
40	The role of exercise combined with tocilizumab in visceral and epicardial adipose tissue and gastric emptying rate in abdominally obese participants: protocol for a randomised controlled trial. <i>Trials</i> , 2018, 19, 266.	0.7	16
41	The effect of frequency of activity interruptions in prolonged sitting on postprandial glucose metabolism: A randomized crossover trial. <i>Metabolism: Clinical and Experimental</i> , 2019, 96, 1-7.	1.5	16
42	The Impact of Physical Activity on Glycemic Variability Assessed by Continuous Glucose Monitoring in Patients With Type 2 Diabetes Mellitus: A Systematic Review. <i>Frontiers in Endocrinology</i> , 2020, 11, 486.	1.5	16
43	Effects of an intensive lifestyle intervention on the underlying mechanisms of improved glycaemic control in individuals with type 2 diabetes: a secondary analysis of a randomised clinical trial. <i>Diabetologia</i> , 2020, 63, 2410-2422.	2.9	16
44	The association between renal function and structural parameters: a pig study. <i>BMC Nephrology</i> , 2008, 9, 18.	0.8	15
45	Blocking endogenous IL-6 impairs mobilization of free fatty acids during rest and exercise in lean and obese men. <i>Cell Reports Medicine</i> , 2021, 2, 100396.	3.3	15
46	Implementation of interval walking training in patients with type 2 diabetes in Denmark: rationale, design, and baseline characteristics. <i>Clinical Epidemiology</i> , 2016, 8, 201.	1.5	14
47	The interaction between metformin and physical activity on postprandial glucose and glucose kinetics: a randomised, clinical trial. <i>Diabetologia</i> , 2021, 64, 397-409.	2.9	14
48	Dose-Response Effects of Exercise on Glucose-Lowering Medications for Type 2 Diabetes: A Secondary Analysis of a Randomized Clinical Trial. <i>Mayo Clinic Proceedings</i> , 2020, 95, 488-503.	1.4	14
49	Kidney biopsies can be used for estimations of glomerular number and volume: a pig study. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2008, 452, 393-403.	1.4	13
50	Impaired postprandial fullness in Type 2 diabetic subjects is rescued by acute exercise independently of total and acylated ghrelin. <i>Journal of Applied Physiology</i> , 2013, 115, 618-625.	1.2	13
51	Hyperglycemia abolishes meal-induced satiety by a dysregulation of ghrelin and peptide YY ₃₆ in healthy overweight/obese humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E225-E231.	1.8	13
52	Daily Marathon Running for a Week—The Biochemical and Body Compositional Effects of Participation. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 2927-2933.	1.0	12
53	Glucose effectiveness, but not insulin sensitivity, is improved after short-term interval training in individuals with type 2 diabetes mellitus: a controlled, randomised, crossover trial. <i>Diabetologia</i> , 2017, 60, 2432-2442.	2.9	12
54	Effects of Exercise Training and IL-6 Receptor Blockade on Gastric Emptying and GLP-1 Secretion in Obese Humans: Secondary Analyses From a Double Blind Randomized Clinical Trial. <i>Frontiers in Physiology</i> , 2019, 10, 1249.	1.3	12

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55	Effects of an exercise-based lifestyle intervention on systemic markers of oxidative stress and advanced glycation endproducts in persons with type 2 diabetes: Secondary analysis of a randomised clinical trial. <i>Free Radical Biology and Medicine</i> , 2022, 188, 328-336.	1.3	12
56	Insulin sensitivity is independent of lipid binding protein trafficking at the plasma membrane in human skeletal muscle: effect of a 3-day, high-fat diet. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1136-R1145.	0.9	11
57	Long-term effect of smartphone-delivered Interval Walking Training on physical activity in patients with type 2 diabetes: protocol for a parallel group single-blinded randomised controlled trial. <i>BMJ Open</i> , 2017, 7, e014036.	0.8	11
58	The Acute Effects of Interval-Type Exercise on Glycemic Control in Type 2 Diabetes Subjects: Importance of Interval Length. A Controlled, Counterbalanced, Crossover Study. <i>PLoS ONE</i> , 2016, 11, e0163562.	1.1	10
59	Impact of intensive lifestyle intervention on gut microbiota composition in type 2 diabetes: a post-hoc analysis of a randomized clinical trial. <i>Gut Microbes</i> , 2022, 14, 2005407.	4.3	10
60	No effects of dapagliflozin, metformin or exercise on plasma glucagon concentrations in individuals with prediabetes: A post hoc analysis from the randomized controlled PRE-EMPT trial. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 530-539.	2.2	9
61	Skeletal muscle adaptations to exercise are not influenced by metformin treatment in humans: secondary analyses of 2 randomized, clinical trials. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022, 47, 309-320.	0.9	8
62	The effects of different doses of exercise on pancreatic β -cell function in patients with newly diagnosed type 2 diabetes: study protocol for and rationale behind the DOSE-EX multi-arm parallel-group randomised clinical trial. <i>Trials</i> , 2021, 22, 244.	0.7	7
63	The Effect of Metformin on Self-Selected Exercise Intensity in Healthy, Lean Males: A Randomized, Crossover, Counterbalanced Trial. <i>Frontiers in Endocrinology</i> , 2021, 12, 599164.	1.5	6
64	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
65	Advantages and Controversies in the Era of Intrarenal Volumetry. <i>American Journal of Nephrology</i> , 2011, 33, 40-45.	1.4	5
66	The impact of acute bouts of interval and continuous walking on energy-intake and appetite regulation in subjects with type 2 diabetes. <i>Physiological Reports</i> , 2017, 5, e13524.	0.7	4
67	Effects of a Lifestyle Intervention on Bone Turnover in Persons with Type 2 Diabetes: A Post Hoc Analysis of the U-TURN Trial. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 38-46.	0.2	4
68	Changes in oxidative nucleic acid modifications and inflammation following one-week treatment with the bile acid sequestrant sevelamer: Two randomised, placebo-controlled trials. <i>Journal of Diabetes and Its Complications</i> , 2020, 34, 107446.	1.2	3
69	Editorial: Optimizing Exercise for the Prevention and Treatment of Type 2 Diabetes. <i>Frontiers in Endocrinology</i> , 2018, 9, 237.	1.5	2
70	Structural and functional MRI in children with renal disease: First experience. <i>Zeitschrift Fur Medizinische Physik</i> , 2010, 20, 115-121.	0.6	1
71	The direct effect of incretin hormones on glucose metabolism. <i>FASEB Journal</i> , 2013, 27, 1b748.	0.2	1
72	Renal cortical volume measured by MRI: a feasibility study. <i>Journal of Pediatric Urology</i> , 2007, 3, S64.	0.6	0

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73	MRI Functional Evaluation of Children with Renal Dysfunction: First Clinical Experience. Journal of Pediatric Urology, 2008, 4, S70-S71.	0.6	0
74	Editorial: Understanding the Heterogeneity in Exercise-Induced Changes in Glucose Metabolism to Help Optimize Treatment Outcomes. Frontiers in Endocrinology, 2021, 12, 699354.	1.5	0
75	Interval Walking Training Reduces T Cell CCR5 in Individuals with Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2017, 49, 197-198.	0.2	0
76	Amino acid metabolism and protein turnover in lean and obese humans during exercise – effect of IL-6 receptor blockade. Journal of Clinical Endocrinology and Metabolism, 2022, , .	1.8	0