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	Effects of a Lifestyle Intervention on Bone Turnover in Persons with Type 2 Diabetes: A Post Hoc Analysis of the U-TURN Trial. Medicine and Science in Sports and Exercise, 2022, 54, 38-46.	0.2	4
2	Skeletal muscle adaptations to exercise are not influenced by metformin treatment in humans: secondary analyses of 2 randomized, clinical trials. Applied Physiology, Nutrition and Metabolism, 2022, 47, 309-320.	0.9	8
3	Plasma FGF21 concentrations are regulated by glucose independently of insulin and GLP-1 in lean, healthy humans. PeerJ, 2022, 10, e12755.	0.9	6
4	Impact of intensive lifestyle intervention on gut microbiota composition in type 2 diabetes: a post-hoc analysis of a randomized clinical trial. Gut Microbes, 2022, 14, 2005407.	4.3	10
5	Amino acid metabolism and protein turnover in lean and obese humans during exercise â”€ effect of IL-6 receptor blockade. Journal of Clinical Endocrinology and Metabolism, 2022, , .	1.8	0
6	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. Free Radical Biology and Medicine, 2022, 188, 328-336.	1.3	12
7	No effects of dapagliflozin, metformin or exercise on plasma glucagon concentrations in individuals with prediabetes: A post hoc analysis from the randomized controlled <scp>PREâ€Ð</scp> trial. Diabetes, Obesity and Metabolism, 2021, 23, 530-539.	2.2	9
8	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. Diabetologia, 2021, 64, 42-55.	2.9	29
9	Pharmacological but not physiological GDF15 suppresses feeding and the motivation to exercise. Nature Communications, 2021, 12, 1041.	5.8	69
10	The Effect of Metformin on Self-Selected Exercise Intensity in Healthy, Lean Males: A Randomized, Crossover, Counterbalanced Trial. Frontiers in Endocrinology, 2021, 12, 599164.	1.5	6
11	The effects of different doses of exercise on pancreatic Î²-cell function in patients with newly diagnosed type 2 diabetes: study protocol for and rationale behind the â€œDOSE-EXâ€•multi-arm parallel-group randomised clinical trial. Trials, 2021, 22, 244.	0.7	7
12	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
13	Blocking endogenous IL-6 impairs mobilization of free fatty acids during rest and exercise in lean and obese men. Cell Reports Medicine, 2021, 2, 100396.	3.3	15
14	The interaction between metformin and physical activity on postprandial glucose and glucose kinetics: a randomised, clinical trial. Diabetologia, 2021, 64, 397-409.	2.9	14
15	Altered brown fat thermoregulation and enhanced cold-induced thermogenesis in young, healthy, winter-swimming men. Cell Reports Medicine, 2021, 2, 100408.	3.3	17
16	Changes in oxidative nucleic acid modifications and inflammation following one-week treatment with the bile acid sequestrant sevelamer: Two randomised, placebo-controlled trials. Journal of Diabetes and Its Complications, 2020, 34, 107446.	1.2	3
17	GLP-1 secretion is regulated by IL-6 signalling: a randomised, placebo-controlled study. Diabetologia, 2020, 63, 362-373.	2.9	48
18	Beta-aminoisobutyric acid is released by contracting human skeletal muscle and lowers insulin release from INS-1 832/3Âcells by mediating mitochondrial energy metabolism. Metabolism Open, 2020, 7, 100053.	1.4	18

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19	The Impact of Physical Activity on Glycemic Variability Assessed by Continuous Glucose Monitoring in Patients With Type 2 Diabetes Mellitus: A Systematic Review. Frontiers in Endocrinology, 2020, 11, 486.	1.5	16
20	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. Diabetologia, 2020, 63, 2410-2422.	2.9	16
21	Differential time responses in inflammatory and oxidative stress markers after a marathon: An observational study. Journal of Sports Sciences, 2020, 38, 2080-2091.	1.0	18
22	Dose-Response Effects of Exercise on Glucose-Lowering Medications for Type 2 Diabetes: A Secondary Analysis of a Randomized Clinical Trial. Mayo Clinic Proceedings, 2020, 95, 488-503.	1.4	14
23	Effect of Aerobic and Resistance Exercise on Cardiac Adipose Tissues. JAMA Cardiology, 2019, 4, 778.	3.0	58
24	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. Frontiers in Physiology, 2019, 10, 1249.	1.3	12
25	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. PLoS ONE, 2019, 14, e0208181.	1.1	18
26	Type 2 diabetes remission 1â€‰year after an intensive lifestyle intervention: A secondary analysis of a randomized clinical trial. Diabetes, Obesity and Metabolism, 2019, 21, 2257-2266.	2.2	37
27	Experimental Hyperglycemia Alters Circulating Concentrations and Renal Clearance of Oxidative and Advanced Glycation End Products in Healthy Obese Humans. Nutrients, 2019, 11, 532.	1.7	26
28	The effect of frequency of activity interruptions in prolonged sitting on postprandial glucose metabolism: A randomized crossover trial. Metabolism: Clinical and Experimental, 2019, 96, 1-7.	1.5	16
29	Aerobic Exercise Induces Cardiac Fat Loss and Alters Cardiac Muscle Mass Through an Interleukin-6 Receptorâ€"Dependent Mechanism. Circulation, 2019, 140, 1684-1686.	1.6	30
30	Exercise-Induced Changes in Visceral Adipose Tissue Mass Are Regulated by IL-6 Signaling: A Randomized Controlled Trial. Cell Metabolism, 2019, 29, 844-855.e3.	7.2	228
31	Why prescribe exercise as therapy in type 2 diabetes? We have a pill for that!. Diabetes/Metabolism Research and Reviews, 2018, 34, e2999.	1.7	20
32	Interleukin-6 Delays Gastric Emptying in Humans with Direct Effects on Glycemic Control. Cell Metabolism, 2018, 27, 1201-1211.e3.	7.2	73
33	Editorial: Optimizing Exercise for the Prevention and Treatment of Type 2 Diabetes. Frontiers in Endocrinology, 2018, 9, 237.	1.5	2
34	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. Trials, 2018, 19, 266.	0.7	16
35	The effect of alternate-day caloric restriction on the metabolic consequences of 8 days of bed rest in healthy lean men: a randomized trial. Journal of Applied Physiology, 2017, 122, 230-241.	1.2	22
36	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. BMJ Open, 2017, 7, e014036.	0.8	11

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37	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). BMJ Open, 2017, 7, e013802.	0.8	17
38	The effects of 2Âweeks 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. Diabetologia, 2017, 60, 508-517.	2.9	46
39	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. Diabetologia, 2017, 60, 2432-2442.	2.9	12
40	Effect of an Intensive Lifestyle Intervention on Glycemic Control in Patients With Type 2 Diabetes. JAMA - Journal of the American Medical Association, 2017, 318, 637.	3.8	154
41	Circulating soluble RAGE isoforms are attenuated in obese, impaired-glucose-tolerant individuals and are associated with the development of type 2 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E631-E640.	1.8	43
42	The impact of acute bouts of interval and continuous walking on energy-intake and appetite regulation in subjects with type 2 diabetes. Physiological Reports, 2017, 5, e13524.	0.7	4
43	Intermittent Standing but not a Moderate Exercise Bout Reduces Postprandial Glycemia. Medicine and Science in Sports and Exercise, 2017, 49, 2305-2314.	0.2	24
44	Resting Metabolic Rate Does Not Change in Response to Different Types of Training in Subjects with Type 2 Diabetes. Frontiers in Endocrinology, 2017, 8, 132.	1.5	17
45	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
46	Implementation of interval walking training in patients with type 2 diabetes in Denmark: rationale, design, and baseline characteristics. Clinical Epidemiology, 2016, 8, 201.	1.5	14
47	The Acute Effects of Interval-Type Exercise on Glycemic Control in Type 2 Diabetes Subjects: Importance of Interval Length. A Controlled, Counterbalanced, Crossover Study. PLoS ONE, 2016, 11, e0163562.	1.1	10
48	Criterion validity and reliability of a smartphone delivered sub-maximal fitness test for people with type 2 diabetes. BMC Sports Science, Medicine and Rehabilitation, 2016, 8, 31.	0.7	16
49	Skeletal muscle as a gene regulatory endocrine organ. Current Opinion in Clinical Nutrition and Metabolic Care, 2016, 19, 270-275.	1.3	95
50	The effects of interval- vs. continuous exercise on excess post-exercise oxygen consumption and substrate oxidation rates in subjects with type 2 diabetes. Metabolism: Clinical and Experimental, 2016, 65, 1316-1325.	1.5	20
51	FGF21 Mediates Endocrine Control of Simple Sugar Intake and Sweet Taste Preference by the Liver. Cell Metabolism, 2016, 23, 335-343.	7.2	270
52	Exercise and type 2 diabetes: focus on metabolism and inflammation. Immunology and Cell Biology, 2016, 94, 146-150.	1.0	182
53	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. BMJ Open, 2015, 5, e009764.	0.8	23
54	Direct effect of incretin hormones on glucose and glycerol metabolism and hemodynamics. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E426-E433.	1.8	16

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55	Association Between Cardiorespiratory Fitness and the Determinants of Glycemic Control Across the Entire Glucose Tolerance Continuum. Diabetes Care, 2015, 38, 921-929.	4.3	49
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. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1136-R1145.	0.9	11
57	Hyperglycemia abolishes meal-induced satiety by a dysregulation of ghrelin and peptide YY_{3â€“36} in healthy overweight/obese humans. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E225-E231.	1.8	13
58	Determining pancreatic Î²-cell compensation for changing insulin sensitivity using an oral glucose tolerance test. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E822-E829.	1.8	23
59	Normal physical activity obliterates the deleterious effects of a high-caloric intake. Journal of Applied Physiology, 2014, 116, 231-239.	1.2	44
60	The immediate effects of a single bout of aerobic exercise on oral glucose tolerance across the glucose tolerance continuum. Physiological Reports, 2014, 2, e12114.	0.7	42
61	Mechanisms behind the superior effects of interval vs continuous training on glycaemic control in individuals with type 2 diabetes: a randomised controlled trial. Diabetologia, 2014, 57, 2081-2093.	2.9	70
62	The Acute Effects of Interval- Vs Continuous-Walking Exercise on Glycemic Control in Subjects With Type 2 Diabetes: A Crossover, Controlled Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 3334-3342.	1.8	63
63	Pancreatic Î²-cell Function Is a Stronger Predictor of Changes in Glycemic Control After an Aerobic Exercise Intervention Than Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 4176-4186.	1.8	66
64	The Effects of Free-Living Interval-Walking Training on Glycemic Control, Body Composition, and Physical Fitness in Type 2 Diabetic Patients. Diabetes Care, 2013, 36, 228-236.	4.3	280
65	Impaired postprandial fullness in Type 2 diabetic subjects is rescued by acute exercise independently of total and acylated ghrelin. Journal of Applied Physiology, 2013, 115, 618-625.	1.2	13
66	Daily Marathon Running for a Weekâ€”The Biochemical and Body Compositional Effects of Participation. Journal of Strength and Conditioning Research, 2013, 27, 2927-2933.	1.0	12
67	The Influence of Hyperglycemia on the Therapeutic Effect of Exercise on Glycemic Control in Patients With Type 2 Diabetes Mellitus. JAMA Internal Medicine, 2013, 173, 1834.	2.6	50
68	The direct effect of incretin hormones on glucose metabolism. FASEB Journal, 2013, 27, lb748.	0.2	1
69	Increased shelterin mRNA expression in peripheral blood mononuclear cells and skeletal muscle following an ultra-long-distance running event. Journal of Applied Physiology, 2012, 112, 773-781.	1.2	44
70	Examining the Effects of Hyperglycemia on Pancreatic Endocrine Function in Humans: Evidence forin VivoGlucotoxicity. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 4682-4691.	1.8	44
71	Advantages and Controversies in the Era of Intrarenal Volumetry. American Journal of Nephrology, 2011, 33, 40-45.	1.4	5
72	Structural and functional MRI in children with renal disease: First experience. Zeitschrift Fur Medizinische Physik, 2010, 20, 115-121.	0.6	1

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73	Kidney biopsies can be used for estimations of glomerular number and volume: a pig study. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2008, 452, 393-403.	1.4	13
74	The association between renal function and structural parameters: a pig study. BMC Nephrology, 2008, 9, 18.	0.8	15
75	MRI Functional Evaluation of Children with Renal Dysfunction: First Clinical Experience. Journal of Pediatric Urology, 2008, 4, S70-S71.	0.6	0
76	Renal cortical volume measured by MRI: a feasibility study. Journal of Pediatric Urology, 2007, 3, S64.	0.6	0