

Henrik Vestergaard

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

4,728
citations

28
h-index

68
g-index

102
ext. papers

6,526
ext. citations

11.2
avg, IF

4.71
L-index

#	Paper	IF	Citations
94	Disentangling type 2 diabetes and metformin treatment signatures in the human gut microbiota. <i>Nature</i> , 2015 , 528, 262-266	50.4	1107
93	Rare and low-frequency coding variants alter human adult height. <i>Nature</i> , 2017 , 542, 186-190	50.4	412
92	Identification of low-frequency and rare sequence variants associated with elevated or reduced risk of type 2 diabetes. <i>Nature Genetics</i> , 2014 , 46, 294-8	36.3	241
91	Colonic transit time is related to bacterial metabolism and mucosal turnover in the gut. <i>Nature Microbiology</i> , 2016 , 1, 16093	26.6	204
90	Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. <i>Nature Genetics</i> , 2018 , 50, 26-41	36.3	186
89	Aberrant intestinal microbiota in individuals with prediabetes. <i>Diabetologia</i> , 2018 , 61, 810-820	10.3	163
88	Whole grain-rich diet reduces body weight and systemic low-grade inflammation without inducing major changes of the gut microbiome: a randomised cross-over trial. <i>Gut</i> , 2019 , 68, 83-93	19.2	162
87	Gestational diabetes is associated with change in the gut microbiota composition in third trimester of pregnancy and postpartum. <i>Microbiome</i> , 2018 , 6, 89	16.6	155
86	YKL-40, a biomarker of inflammation, is elevated in patients with type 2 diabetes and is related to insulin resistance. <i>Inflammation Research</i> , 2006 , 55, 53-9	7.2	149
85	Objective assessment of dietary patterns by use of metabolic phenotyping: a randomised, controlled, crossover trial. <i>Lancet Diabetes and Endocrinology</i> , 2017 , 5, 184-195	18.1	143
84	YKL-40--an emerging biomarker in cardiovascular disease and diabetes. <i>Cardiovascular Diabetology</i> , 2009 , 8, 61	8.7	137
83	Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. <i>Nature Communications</i> , 2016 , 7, 10494	17.4	107
82	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. <i>Nature Communications</i> , 2017 , 8, 14977	17.4	105
81	Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. <i>PLoS Genetics</i> , 2017 , 13, e1006528	6	103
80	An Improved Method for High Quality Metagenomics DNA Extraction from Human and Environmental Samples. <i>Scientific Reports</i> , 2016 , 6, 26775	4.9	101
79	Statin therapy is associated with lower prevalence of gut microbiota dysbiosis. <i>Nature</i> , 2020 , 581, 310-315	50.4	100
78	Metformin-induced changes of the gut microbiota in healthy young men: results of a non-blinded, one-armed intervention study. <i>Diabetologia</i> , 2019 , 62, 1024-1035	10.3	79

77	A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. <i>Nature Communications</i> , 2018 , 9, 4630	17.4	69
76	Increased YKL-40 expression in patients with carotid atherosclerosis. <i>Atherosclerosis</i> , 2010 , 211, 589-95	3.1	66
75	Intake of macro- and micronutrients in Danish vegans. <i>Nutrition Journal</i> , 2015 , 14, 115	4.3	64
74	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019 , 104, 112-138	11	54
73	Sequence of the Human Glycogen-Associated Regulatory Subunit of type 1 Protein Phosphatase and Analysis of Its Coding Region and mRNA Level in Muscle From Patients With NIDDM. <i>Diabetes</i> , 1994 , 43, 1234-1241	0.9	46
72	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021 , 53, 840-860	36.3	44
71	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. <i>Nature Genetics</i> , 2019 , 51, 452-469	36.3	44
70	Oxyntomodulin Identified as a Marker of Type 2 Diabetes and Gastric Bypass Surgery by Mass-spectrometry Based Profiling of Human Plasma. <i>EBioMedicine</i> , 2016 , 7, 112-20	8.8	42
69	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: rationale and design of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , 2014 , 57, 1132-42	10.3	39
68	Imidazole propionate is increased in diabetes and associated with dietary patterns and altered microbial ecology. <i>Nature Communications</i> , 2020 , 11, 5881	17.4	29
67	Metformin versus placebo in combination with insulin analogues in patients with type 2 diabetes mellitus-the randomised, blinded Copenhagen Insulin and Metformin Therapy (CIMT) trial. <i>BMJ Open</i> , 2016 , 6, e008376	3	28
66	Study rationale and design of the CIMT trial: the Copenhagen Insulin and Metformin Therapy trial. <i>Diabetes, Obesity and Metabolism</i> , 2009 , 11, 315-22	6.7	24
65	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021 ,	50.4	24
64	Patients With Long-QT Syndrome Caused by Impaired -Encoded K11.1 Potassium Channel Have Exaggerated Endocrine Pancreatic and Incretin Function Associated With Reactive Hypoglycemia. <i>Circulation</i> , 2017 , 135, 1705-1719	16.7	20
63	Numerous Brugada syndrome-associated genetic variants have no effect on J-point elevation, syncope susceptibility, malignant cardiac arrhythmia, and all-cause mortality. <i>Genetics in Medicine</i> , 2017 , 19, 521-528	8.1	20
62	Normocalcemia and persistent elevated serum concentrations of 1-84 parathyroid hormone after operation for sporadic parathyroid adenoma: evidence of increased morbidity from cardiovascular disease. <i>World Journal of Surgery</i> , 2002 , 26, 657-60	3.3	20
61	Circulating sCD36 is associated with unhealthy fat distribution and elevated circulating triglycerides in morbidly obese individuals. <i>Nutrition and Diabetes</i> , 2014 , 4, e114	4.7	19
60	Rosiglitazone treatment of patients with extreme insulin resistance and diabetes mellitus due to insulin receptor mutations has no effects on glucose and lipid metabolism. <i>Journal of Internal Medicine</i> , 2001 , 250, 406-14	10.8	19

59	Dietary Assessment in the MetaCardis Study: Development and Relative Validity of an Online Food Frequency Questionnaire. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2017 , 117, 878-888	3.9	18
58	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. <i>PLoS Medicine</i> , 2020 , 17, e1003149	11.6	18
57	The Association between genetic variations of CHI3L1, levels of the encoded glycoprotein YKL-40 and the lipid profile in a Danish population. <i>PLoS ONE</i> , 2012 , 7, e47094	3.7	18
56	The influence of persistent organic pollutants in the traditional Inuit diet on markers of inflammation. <i>PLoS ONE</i> , 2017 , 12, e0177781	3.7	17
55	One-carbon metabolism markers are associated with cardiometabolic risk factors. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018 , 28, 402-410	4.5	17
54	Bone turnover, calcium homeostasis, and vitamin D status in Danish vegans. <i>European Journal of Clinical Nutrition</i> , 2018 , 72, 1046-1054	5.2	17
53	A Splice Region Variant in LDLR Lowers Non-high Density Lipoprotein Cholesterol and Protects against Coronary Artery Disease. <i>PLoS Genetics</i> , 2015 , 11, e1005379	6	17
52	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 2018 , 3, 4	4.8	16
51	Associations of the Inflammatory Marker YKL-40 with Measures of Obesity and Dyslipidaemia in Individuals at High Risk of Type 2 Diabetes. <i>PLoS ONE</i> , 2015 , 10, e0133672	3.7	15
50	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: descriptive characteristics of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , 2019 , 62, 1601-1615	10.3	14
49	Effect of metformin on plasma metabolite profile in the Copenhagen Insulin and Metformin Therapy (CIMT) trial. <i>Diabetic Medicine</i> , 2018 , 35, 944-953	3.5	14
48	Plasma Alkylresorcinols Reflect Gluten Intake and Distinguish between Gluten-Rich and Gluten-Poor Diets in a Population at Risk of Metabolic Syndrome. <i>Journal of Nutrition</i> , 2016 , 146, 1991-1998	4.1	13
47	Increments in insulin sensitivity during intensive treatment are closely correlated with decrements in glucocorticoid receptor mRNA in skeletal muscle from patients with Type II diabetes. <i>Clinical Science</i> , 2001 , 101, 533-40	6.5	12
46	Genetic risk scores for body fat distribution attenuate weight loss in women during dietary intervention. <i>International Journal of Obesity</i> , 2018 , 42, 370-375	5.5	12
45	The effect of metformin versus placebo in combination with insulin analogues on bone mineral density and trabecular bone score in patients with type 2 diabetes mellitus: a randomized placebo-controlled trial. <i>Osteoporosis International</i> , 2018 , 29, 2517-2526	5.3	11
44	Effects of Roux-en-Y gastric bypass on fasting and postprandial levels of the inflammatory markers YKL-40 and MCP-1 in patients with type 2 diabetes and glucose tolerant subjects. <i>Journal of Obesity</i> , 2013 , 2013, 361781	3.7	11
43	Combinatorial, additive and dose-dependent drug-microbiome associations. <i>Nature</i> , 2021 ,	50.4	11
42	Genetic Determinants of Weight Loss After Bariatric Surgery. <i>Obesity Surgery</i> , 2019 , 29, 2554-2561	3.7	10

41	Homozygous carriers of the TCF7L2 rs7903146 T-allele show altered postprandial response in triglycerides and triglyceride-rich lipoproteins. <i>Scientific Reports</i> , 2017 , 7, 43128	4.9	9
40	Vitamin D-rich marine Inuit diet and markers of inflammation - a population-based survey in Greenland. <i>Journal of Nutritional Science</i> , 2015 , 4, e40	2.7	9
39	Effects of biphasic, basal-bolus or basal insulin analogue treatments on carotid intima-media thickness in patients with type 2 diabetes mellitus: the randomised Copenhagen Insulin and Metformin Therapy (CIMT) trial. <i>BMJ Open</i> , 2016 , 6, e008377	3	9
38	Common variants in the hERG (KCNH2) voltage-gated potassium channel are associated with altered fasting and glucose-stimulated plasma incretin and glucagon responses. <i>BMC Genetics</i> , 2018 , 19, 15	2.6	8
37	Severe hypoglycaemia during treatment with sulphonylureas in patients with type 2 diabetes in the Capital Region of Denmark. <i>Diabetes Research and Clinical Practice</i> , 2015 , 110, 202-7	7.4	8
36	Haploinsufficiency of ARHGAP42 is associated with hypertension. <i>European Journal of Human Genetics</i> , 2019 , 27, 1296-1303	5.3	6
35	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 3 , 4	4.8	6
34	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , 2021 , 44, 511-518	14.6	6
33	Bariatric surgery reduces CD36-bearing microvesicles of endothelial and monocyte origin. <i>Nutrition and Metabolism</i> , 2018 , 15, 76	4.6	6
32	Impairment of gut microbial biotin metabolism and host biotin status in severe obesity: effect of biotin and prebiotic supplementation on improved metabolism.. <i>Gut</i> , 2022 ,	19.2	5
31	Once-weekly subcutaneous semaglutide treatment for persons with type 2 diabetes: Real-world data from a diabetes out-patient clinic. <i>Diabetic Medicine</i> , 2021 , 38, e14655	3.5	5
30	Impact of PTBP1 rs11085226 on glucose-stimulated insulin release in adult Danes. <i>BMC Medical Genetics</i> , 2015 , 16, 17	2.1	4
29	Comparative Studies of the Gut Microbiota in the Offspring of Mothers With and Without Gestational Diabetes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 536282	5.9	4
28	Profiles of Glucose Metabolism in Different Prediabetes Phenotypes, Classified by Fasting Glycemia, 2-Hour OGTT, Glycated Hemoglobin, and 1-Hour OGTT: An IMI DIRECT Study. <i>Diabetes</i> , 2021 , 70, 2092-2106	0.9	4
27	Effect of metformin and insulin vs. placebo and insulin on whole body composition in overweight patients with type 2 diabetes: a randomized placebo-controlled trial. <i>Osteoporosis International</i> , 2021 , 32, 1837-1848	5.3	4
26	Microbiome and metabolome features of the cardiometabolic disease spectrum.. <i>Nature Medicine</i> , 2022 ,	50.5	4
25	Effect of Metformin vs. Placebo in Combination with Insulin Analogues on Bone Markers P1NP and CTX in Patients with Type 2 Diabetes Mellitus. <i>Calcified Tissue International</i> , 2020 , 107, 160-169	3.9	3
24	The potential role of inhibitor of differentiation-3 in human adipose tissue remodeling and metabolic health. <i>Molecular Genetics and Metabolism</i> , 2014 , 113, 149-54	3.7	3

23	Whole blood co-expression modules associate with metabolic traits and type 2 diabetes: an IMI-DIRECT study. <i>Genome Medicine</i> , 2020 , 12, 109	14.4	3
22	Birth weight variants are associated with variable fetal intrauterine growth from 20 weeks of gestation. <i>Scientific Reports</i> , 2018 , 8, 8376	4.9	3
21	No changes in serum tryptase after bariatric surgery. <i>Annals of Epidemiology</i> , 2015 , 25, 800-1	6.4	2
20	Data integration for prediction of weight loss in randomized controlled dietary trials. <i>Scientific Reports</i> , 2020 , 10, 20103	4.9	2
19	Genetic risk scores link body fat distribution with specific cardiometabolic profiles. <i>Obesity</i> , 2016 , 24, 1778-85	8	2
18	Is abdominal obesity at baseline influencing weight changes in observational studies and during weight loss interventions?. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 913-921	7	2
17	Higher intake of fish and fat is associated with lower plasma s-adenosylhomocysteine: a cross-sectional study. <i>Nutrition Research</i> , 2017 , 46, 78-87	4	1
16	Prospective Studies Exploring the Possible Impact of an ID3 Polymorphism on Changes in Obesity Measures. <i>Obesity</i> , 2018 , 26, 747-754	8	1
15	In Vivo and Ex Vivo Inflammatory Markers of Common Metabolic Phenotypes in Humans. <i>Metabolic Syndrome and Related Disorders</i> , 2018 , 16, 29-39	2.6	1
14	Levels of the inflammation marker YKL-40 in young adults exposed to intrauterine hyperglycemia. <i>Diabetes Research and Clinical Practice</i> , 2016 , 114, 50-4	7.4	1
13	Four groups of type 2 diabetes contribute to the etiological and clinical heterogeneity in newly diagnosed individuals: An IMI DIRECT study.. <i>Cell Reports Medicine</i> , 2022 , 3, 100477	18	1
12	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 3 , 4	4.8	1
11	Protein-Coding Variants Implicate Novel Genes Related to Lipid Homeostasis Contributing to Body Fat Distribution		1
10	The intestinal microbiome is a co-determinant of the postprandial plasma glucose response. <i>PLoS ONE</i> , 2020 , 15, e0238648	3.7	1
9	Effects of 18-months metformin versus placebo in combination with three insulin regimens on RNA and DNA oxidation in individuals with type 2 diabetes: A post-hoc analysis of a randomized clinical trial. <i>Free Radical Biology and Medicine</i> , 2021 , 178, 18-25	7.8	0
8	Prediction of carotid intima-media thickness and its relation to cardiovascular events in persons with type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2020 , 34, 107681	3.2	0
7	Genetic markers of abdominal obesity and weight loss after gastric bypass surgery. <i>PLoS ONE</i> , 2021 , 16, e0252525	3.7	0
6	Weight loss and weight maintenance obtained with or without GLP-1 analogue treatment decrease branched chain amino acid levels. <i>Metabolomics</i> , 2016 , 12, 1	4.7	

- 5 Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts **2020**, 17, e1003149
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