

# Mads Fiil Hjorth

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

2,729  
citations

236912

25  
h-index

197805

49  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diet and exercise in the prevention and treatment of type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2020, 16, 545-555.	9.6	207
2	Variations in accelerometry measured physical activity and sedentary time across Europe – harmonized analyses of 47,497 children and adolescents. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 38.	4.6	176
3	Prevotella-to-Bacteroides ratio predicts body weight and fat loss success on 24-week diets varying in macronutrient composition and dietary fiber: results from a post-hoc analysis. <i>International Journal of Obesity</i> , 2019, 43, 149-157.	3.4	173
4	Short sleep duration and large variability in sleep duration are independently associated with dietary risk factors for obesity in Danish school children. <i>International Journal of Obesity</i> , 2014, 38, 32-39.	3.4	172
5	Pretreatment fasting plasma glucose and insulin modify dietary weight loss success: results from 3 randomized clinical trials. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 499-505.	4.7	143
6	Microbial enterotypes in personalized nutrition and obesity management. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 645-651.	4.7	131
7	Seasonal variation in objectively measured physical activity, sedentary time, cardio-respiratory fitness and sleep duration among 8–11-year-old Danish children: a repeated-measures study. <i>BMC Public Health</i> , 2013, 13, 808.	2.9	114
8	Fatness predicts decreased physical activity and increased sedentary time, but not vice versa: support from a longitudinal study in 8- to 11-year-old children. <i>International Journal of Obesity</i> , 2014, 38, 959-965.	3.4	112
9	Low Physical Activity Level and Short Sleep Duration Are Associated with an Increased Cardio-Metabolic Risk Profile: A Longitudinal Study in 8-11 Year Old Danish Children. <i>PLoS ONE</i> , 2014, 9, e104677.	2.5	112
10	Sleep and cardiometabolic risk in children and adolescents. <i>Sleep Medicine Reviews</i> , 2016, 29, 76-100.	8.5	106
11	Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2019, 149, 2174-2181.	2.9	86
12	Measure of sleep and physical activity by a single accelerometer: Can a waist-worn Actigraph adequately measure sleep in children?. <i>Sleep and Biological Rhythms</i> , 2012, 10, 328-335.	1.0	83
13	Design of the OPUS School Meal Study: A randomised controlled trial assessing the impact of serving school meals based on the New Nordic Diet. <i>Scandinavian Journal of Public Health</i> , 2012, 40, 693-703.	2.3	66
14	Provision of healthy school meals does not affect the metabolic syndrome score in 8–11-year-old children, but reduces cardiometabolic risk markers despite increasing waist circumference. <i>British Journal of Nutrition</i> , 2014, 112, 1826-1836.	2.3	60
15	No relation between sleep duration and adiposity indicators in 9–36 months old children: the SKOT cohort. <i>Pediatric Obesity</i> , 2013, 8, e14-8.	2.8	49
16	Personalized Dietary Management of Overweight and Obesity Based on Measures of Insulin and Glucose. <i>Annual Review of Nutrition</i> , 2018, 38, 245-272.	10.1	49
17	<i>n</i> -3 PUFA status in school children is associated with beneficial lipid profile, reduced physical activity and increased blood pressure in boys. <i>British Journal of Nutrition</i> , 2013, 110, 1304-1312.	2.3	40
18	Change in sleep duration and proposed dietary risk factors for obesity in Danish school children. <i>Pediatric Obesity</i> , 2014, 9, e156-9.	2.8	40

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19	Vitamin D status is associated with cardiometabolic markers in 8- to 11-year-old children, independently of body fat and physical activity. <i>British Journal of Nutrition</i> , 2015, 114, 1647-1655.	2.3	38
20	The effects of Nordic school meals on concentration and school performance in 8- to 11-year-old children in the OPUS School Meal Study: a cluster-randomised, controlled, cross-over trial. <i>British Journal of Nutrition</i> , 2015, 113, 1280-1291.	2.3	35
21	Pretreatment Prevotella-to-Bacteroides ratio and salivary amylase gene copy number as prognostic markers for dietary weight loss. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 1079-1086.	4.7	34
22	Comparison of estimated energy intake using Web-based Dietary Assessment Software with accelerometer-determined energy expenditure in children. <i>Food and Nutrition Research</i> , 2013, 57, 21434.	2.6	33
23	Vitamin D status and its determinants during autumn in children at northern latitudes: a cross-sectional analysis from the optimal well-being, development and health for Danish children through a healthy New Nordic Diet (OPUS) School Meal Study. <i>British Journal of Nutrition</i> , 2016, 115, 239-250.	2.3	33
24	Physical activity, sleep duration and metabolic health in children fluctuate with the lunar cycle: science behind the myth. <i>Clinical Obesity</i> , 2015, 5, 60-66.	2.0	30
25	Microbial enterotypes beyond genus level: <i>Bacteroides</i> species as a predictive biomarker for weight change upon controlled intervention with arabinoxylan oligosaccharides in overweight subjects. <i>Gut Microbes</i> , 2020, 12, 1847627.	9.8	28
26	Sex, Food, and the Gut Microbiota: Disparate Response to Caloric Restriction Diet with Fiber Supplementation in Women and Men. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000996.	3.3	27
27	Level and intensity of objectively assessed physical activity among pregnant women from urban Ethiopia. <i>BMC Pregnancy and Childbirth</i> , 2012, 12, 154.	2.4	26
28	Pretreatment Fasting Glucose and Insulin as Determinants of Weight Loss on Diets Varying in Macronutrients and Dietary Fibers—The POUNDS LOST Study. <i>Nutrients</i> , 2019, 11, 586.	4.1	26
29	Pretreatment Prevotella-to-Bacteroides ratio and markers of glucose metabolism as prognostic markers for dietary weight loss maintenance. <i>European Journal of Clinical Nutrition</i> , 2020, 74, 338-347.	2.9	26
30	Pretreatment Fasting Plasma Glucose Modifies Dietary Weight Loss Maintenance Success: Results from a Stratified RCT. <i>Obesity</i> , 2017, 25, 2045-2048.	3.0	26
31	Common genetic variants are associated with lower serum 25-hydroxyvitamin D concentrations across the year among children at northern latitudes. <i>British Journal of Nutrition</i> , 2017, 117, 829-838.	2.3	25
32	Eicosapentaenoic Acid and Docosahexaenoic Acid in Whole Blood Are Differentially and Sex-Specifically Associated with Cardiometabolic Risk Markers in 8- to 11-Year-Old Danish Children. <i>PLoS ONE</i> , 2014, 9, e109368.	2.5	24
33	Fasting Glucose State Determines Metabolic Response to Supplementation with Insoluble Cereal Fibre: A Secondary Analysis of the Optimal Fibre Trial (OptiFIT). <i>Nutrients</i> , 2019, 11, 2385.	4.1	24
34	Diets, nutrients, genes and the microbiome: recent advances in personalised nutrition. <i>British Journal of Nutrition</i> , 2021, 126, 1489-1497.	2.3	24
35	Weight loss at your fingertips: personalized nutrition with fasting glucose and insulin using a novel statistical approach. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 1529-1535.	2.9	21
36	Weekly variation in diet and physical activity among 4- to 75-year-old Danes. <i>Public Health Nutrition</i> , 2020, 23, 1350-1361.	2.2	21

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37	Normal weight children have higher cognitive performance – Independent of physical activity, sleep, and diet. <i>Physiology and Behavior</i> , 2016, 165, 398-404.	2.1	20
38	Low-Fat or Low Carb for Weight Loss? It Depends on Your Glucose Metabolism. <i>EBioMedicine</i> , 2017, 22, 20-21.	6.1	20
39	Is reduction in appetite beneficial for body weight management in the context of overweight and obesity? Yes, according to the SATIN (Satiety Innovation) study. <i>Journal of Nutritional Science</i> , 2019, 8, e39.	1.9	18
40	Physical Activity, Sedentary Time, and Sleep and the Association With Inflammatory Markers and Adiponectin in 8- to 11-Year-Old Danish Children. <i>Journal of Physical Activity and Health</i> , 2016, 13, 733-739.	2.0	16
41	Seasonal variations in growth and body composition of 8–11-y-old Danish children. <i>Pediatric Research</i> , 2016, 79, 358-363.	2.3	16
42	Are Children Like Werewolves? Full Moon and Its Association with Sleep and Activity Behaviors in an International Sample of Children. <i>Frontiers in Pediatrics</i> , 2016, 4, 24.	1.9	15
43	Classification of obesity targeted personalized dietary weight loss management based on carbohydrate tolerance. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 1300-1304.	2.9	15
44	Predictors of successful weight loss with relative maintenance of fat-free mass in individuals with overweight and obesity on an 8-week low-energy diet. <i>British Journal of Nutrition</i> , 2019, 122, 468-479.	2.3	15
45	Personalized nutrition: pretreatment glucose metabolism determines individual long-term weight loss responsiveness in individuals with obesity on low-carbohydrate versus low-fat diet. <i>International Journal of Obesity</i> , 2019, 43, 2037-2044.	3.4	15
46	A double-blinded, randomized, parallel intervention to evaluate biomarker-based nutrition plans for weight loss: The PREVENTOMICS study. <i>Clinical Nutrition</i> , 2022, 41, 1834-1844.	5.0	15
47	Sleep duration modifies effects of free ad libitum school meals on adiposity and blood pressure. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 33-40.	1.9	14
48	Weekday variation in triglyceride concentrations in 1.8 million blood samples. <i>Journal of Lipid Research</i> , 2017, 58, 1204-1213.	4.2	14
49	Physical Activity, Sedentary Behavior, and Sleep Before and After Bariatric Surgery and Associations with Weight Loss Outcome. <i>Obesity Surgery</i> , 2021, 31, 250-259.	2.1	14
50	Markers of metabolic health in children differ between weekdays—the result of unhealthier weekend behavior. <i>Obesity</i> , 2015, 23, 733-736.	3.0	12
51	Circulating metabolites associated with objectively measured sleep duration and sleep variability in overweight/obese participants: a metabolomics approach within the SATIN study. <i>Sleep</i> , 2019, 42, .	1.1	12
52	Salivary $\alpha$ -amylase copy number is not associated with weight trajectories and glycemic improvements following clinical weight loss: results from a 2-phase dietary intervention study. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 1029-1037.	4.7	10
53	Empowering consumers to PREVENT diet-related diseases through OMICS sciences (PREVENTOMICS): protocol for a parallel double-blinded randomised intervention trial to investigate biomarker-based nutrition plans for weight loss. <i>BMJ Open</i> , 2022, 12, e051285.	1.9	10
54	Does stress affect food preferences? – a randomized controlled trial investigating the effect of examination stress on measures of food preferences and obesogenic behavior. <i>Stress</i> , 2018, 21, 556-563.	1.8	8

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55	Weight loss and weight loss maintenance efficacy of a novel weight loss program: The retrospective RNPCA® cohort. <i>Obesity Medicine</i> , 2018, 10, 16-23.	0.9	8
56	Effects of Exercise Domain and Intensity on Sleep in Women and Men with Overweight and Obesity. <i>Journal of Obesity</i> , 2019, 2019, 1-12.	2.7	8
57	Effects of school meals with weekly fish servings on vitamin D status in Danish children: secondary outcomes from the OPUS (Optimal well-being, development and health for Danish children through a) Tj ETQq1 1 0.784314 kgBT /Over	0.784314	0
58	A protein-supplemented very-low-calorie diet does not mitigate reductions in lean mass and resting metabolic rate in subjects with overweight or obesity: A randomized controlled trial. <i>Clinical Nutrition</i> , 2021, 40, 5726-5733.	5.0	6
59	The association between vitamin D receptor polymorphisms and tissue-specific insulin resistance in human obesity. <i>International Journal of Obesity</i> , 2021, 45, 818-827.	3.4	4
60	Socio-economic differences in cardiometabolic risk markers are mediated by diet and body fatness in 8- to 11-year-old Danish children: a cross-sectional study. <i>Public Health Nutrition</i> , 2016, 19, 2229-2239.	2.2	3
61	Metabolic improvements during weight loss: The RNPCA® cohort. <i>Obesity Medicine</i> , 2019, 14, 100085.	0.9	3
62	Improvement in age-related cognitive functions and life expectancy by ketogenic diets. <i>Nature Reviews Endocrinology</i> , 2017, 13, 695-696.	9.6	2
63	Weight loss following an intensive dietary weight loss program in obese candidates for bariatric surgery: The retrospective RNPCA® cohort. <i>Obesity Medicine</i> , 2019, 15, 100127.	0.9	2
64	The role of viscous fiber for weight loss: food for thought and gut bacteria. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 242-243.	4.7	2
65	No effects on appetite or body weight in weight-reduced individuals of foods containing components previously shown to reduce appetite - Results from the SATIN (Satiety Innovation) study. <i>Obesity Medicine</i> , 2020, 17, 100188.	0.9	2
66	Self-Reported Versus Accelerometer-Assessed Daily Physical Activity in Childhood Obesity Treatment. <i>Perceptual and Motor Skills</i> , 2017, 124, 795-811.	1.3	1
67	Weight loss at your fingertips â€“ personalized nutrition using fasting glucose and insulin. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	1
68	High fat diets for weight loss among subjects with elevated fasting glucose levels: The PREDIMED study. <i>Obesity Medicine</i> , 2020, 18, 100210.	0.9	1
69	Rebuttal - Factors affecting cognitive performance in children with special reference to sleep and sedentary behavior. <i>Physiology and Behavior</i> , 2016, 167, 413.	2.1	0
70	Can Insulin and Glucose Dynamics Bring Us Closer to Precision Dietary Management of Obesity?. <i>Journal of Nutrition</i> , 2022, 152, 649-650.	2.9	0