Hanno Pijl

List of Publications by Year in descending order

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120 papers	4,739 citations	94269 37 h-index	63 g-index
129	129	129	6744
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Bromocriptine: a novel approach to the treatment of type 2 diabetes. Diabetes Care, 2000, 23, 1154-1161.	4.3	224
2	Fasting mimicking diet as an adjunct to neoadjuvant chemotherapy for breast cancer in the multicentre randomized phase 2 DIRECT trial. Nature Communications, 2020, 11, 3083.	5.8	173
3	The effects of short-term fasting on tolerance to (neo) adjuvant chemotherapy in HER2-negative breast cancer patients: a randomized pilot study. BMC Cancer, 2015, 15, 652.	1.1	170
4	Hypocretin Deficiency in Narcoleptic Humans Is Associated with Abdominal Obesity. Obesity, 2003, 11, 1147-1154.	4.0	169
5	Dietary fat content alters insulin-mediated glucose metabolism in healthy men. American Journal of Clinical Nutrition, 2001, 73, 554-559.	2.2	152
6	Paleolithic nutrition for metabolic syndrome: systematic review and meta-analysis. American Journal of Clinical Nutrition, 2015, 102, 922-932.	2.2	140
7	Effects of low-carbohydrate- compared with low-fat-diet interventions on metabolic control in people with type 2 diabetes: a systematic review including GRADE assessments. American Journal of Clinical Nutrition, 2018, 108, 300-331.	2.2	126
8	Bodyweight Change as an Adverse Effect of Drug Treatment. Drug Safety, 1996, 14, 329-342.	1.4	120
9	Spontaneous Food Choice in Narcolepsy. Sleep, 1996, 19, 75-76.	0.6	119
10	Altered Neuroregulation of GH Secretion in Viscerally Obese Premenopausal Women. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 5509-5515.	1.8	118
11	Increased stress, weight gain and less exercise in relation to glycemic control in people with type 1 and type 2 diabetes during the COVID- 19 pandemic. BMJ Open Diabetes Research and Care, 2021 , 9 , $e002035$.	1.2	108
12	Circadian Rhythm of Plasma Leptin Levels in Upper and Lower Body Obese Women: Influence of Body Fat Distribution and Weight Loss. Journal of Clinical Endocrinology and Metabolism, 1998, 83, 1706-1712.	1.8	104
13	Central GLP-1 receptor signalling accelerates plasma clearance of triacylglycerol and glucose by activating brown adipose tissue in mice. Diabetologia, 2015, 58, 2637-2646.	2.9	100
14	Resting-state functional connectivity of brain regions involved in cognitive control, motivation, and reward is enhanced in obese females. American Journal of Clinical Nutrition, 2014, 100, 524-531.	2.2	95
15	Activation of dopamine D2 receptors simultaneously ameliorates various metabolic features of obese women. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1038-E1043.	1.8	91
16	Reduced dopaminergic tone in hypothalamic neural circuits: expression of a "thrifty―genotype underlying the metabolic syndrome?. European Journal of Pharmacology, 2003, 480, 125-131.	1.7	89
17	Obesity is marked by distinct functional connectivity in brain networks involved in food reward and salience. Behavioural Brain Research, 2015, 287, 127-134.	1.2	89
18	Increased systemic and adipose tissue inflammation differentiates obese women with T2DM from obese women with normal glucose tolerance. Metabolism: Clinical and Experimental, 2014, 63, 492-501.	1.5	83

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19	Roux-en-Y Gastric Bypass Surgery, but Not Calorie Restriction, Reduces Plasma Branched-Chain Amino Acids in Obese Women Independent of Weight Loss or the Presence of Type 2 Diabetes. Diabetes Care, 2014, 37, 3150-3156.	4.3	80
20	Human longevity is characterised by high thyroid stimulating hormone secretion without altered energy metabolism. Scientific Reports, 2015, 5, 11525.	1.6	76
21	Effects of short-term fasting on cancer treatment. Journal of Experimental and Clinical Cancer Research, 2019, 38, 209.	3.5	76
22	Calorie Restriction is a Major Determinant of the Shortâ€Term Metabolic Effects of Gastric Bypass Surgery in Obese Type 2 Diabetic Patients. Clinical Endocrinology, 2014, 80, 834-842.	1.2	71
23	Diabetes incidence and glucose intolerance prevalence increase with higher outdoor temperature. BMJ Open Diabetes Research and Care, 2017, 5, e000317.	1.2	67
24	Increased Heart Rate Variability but Normal Resting Metabolic Rate in Hypocretin/Orexin-Deficient Human Narcolepsy. Journal of Clinical Sleep Medicine, 2008, 04, 248-254.	1.4	64
25	Growth hormone secretion is diminished and tightly controlled in humans enriched for familial longevity. Aging Cell, 2016, 15, 1126-1131.	3.0	59
26	The Impact of Obesity and Lifestyle on the Immune System and Susceptibility to Infections Such as COVID-19. Frontiers in Nutrition, 2020, 7, 597600.	1.6	57
27	From Diabetes Care to Diabetes Cure—The Integration of Systems Biology, eHealth, and Behavioral Change. Frontiers in Endocrinology, 2017, 8, 381.	1.5	55
28	The Impact of Dairy Products in the Development of Type 2 Diabetes: Where Does the Evidence Stand in 2019?. Advances in Nutrition, 2019, 10, 1066-1075.	2.9	53
29	Pulsatile LH release is diminished, whereas FSH secretion is normal, in hypocretin-deficient narcoleptic men. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E630-E636.	1.8	51
30	Food Choice in Hyperthyroidism: Potential Influence of the Autonomic Nervous System and Brain Serotonin Precursor Availability. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 5848-5853.	1.8	47
31	Somatotropic axis in hypocretin-deficient narcoleptic humans: altered circadian distribution of GH-secretory events. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E641-E647.	1.8	45
32	Circadian distribution of motor activity and immobility in narcolepsy: Assessment with continuous motor activity monitoring. Psychophysiology, 1995, 32, 286-291.	1.2	44
33	The effect of family-based multidisciplinary cognitive behavioral treatment on health-related quality of life in childhood obesity. Quality of Life Research, 2012, 21, 1587-1594.	1.5	42
34	Acipimox enhances spontaneous growth hormone secretion in obese women. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R693-R698.	0.9	41
35	Effects of prolonged fasting on AMPK signaling, gene expression, and mitochondrial respiratory chain content in skeletal muscle from lean and obese individuals. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E1012-E1021.	1.8	41
36	Selenium Supplementation for Hashimoto's Thyroiditis: Summary of a Cochrane Systematic Review. European Thyroid Journal, 2014, 3, 25-31.	1.2	40

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37	Accuracy of Continuous Glucose Monitoring Measurements in Normo-Glycemic Individuals. PLoS ONE, 2015, 10, e0139973.	1.1	39
38	Downregulation of the acetyl-CoA metabolic network in adipose tissue of obese diabetic individuals and recovery after weight loss. Diabetologia, 2014, 57, 2384-2392.	2.9	38
39	Increased PUFA Content and 5-Lipoxygenase Pathway Expression Are Associated with Subcutaneous Adipose Tissue Inflammation in Obese Women with Type 2 Diabetes. Nutrients, 2015, 7, 7676-7690.	1.7	38
40	Loss-of-Function Mutations in the Cell-Cycle Control Gene <i>CDKN2A</i> Impact on Glucose Homeostasis in Humans. Diabetes, 2016, 65, 527-533.	0.3	38
41	Weight loss induced by very low calorie diet is associated with a more beneficial systemic inflammatory profile than by Roux-en-Y gastric bypass. Metabolism: Clinical and Experimental, 2016, 65, 1614-1620.	1.5	36
42	Increased circadian prolactin release is blunted after body weight loss in obese premenopausal women. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E218-E224.	1.8	35
43	Familial Longevity Is Associated With Higher TSH Secretion and Strong TSH-fT3 Relationship. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3806-3813.	1.8	35
44	Ghrelin and the Hyposomatotropism of Obesity. Obesity, 2002, 10, 1161-1166.	4.0	34
45	Altered setting of the pituitary-thyroid ensemble in hypocretin-deficient narcoleptic men. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E892-E899.	1.8	34
46	Glucose and Fat Metabolism in Narcolepsy and the Effect of Sodium Oxybate: A Hyperinsulinemic-Euglycemic Clamp Study. Sleep, 2014, 37, 795-801.	0.6	34
47	Short-term treatment with olanzapine does not modulate gut hormone secretion: olanzapine disintegrating versus standard tablets. European Journal of Endocrinology, 2010, 162, 75-83.	1.9	31
48	Short-Term Caloric Restriction Normalizes Hypothalamic Neuronal Responsiveness to Glucose Ingestion in Patients With Type 2 Diabetes. Diabetes, 2012, 61, 3255-3259.	0.3	31
49	Nutrition and lifestyle intervention in type 2 diabetes: pilot study in the Netherlands showing improved glucose control and reduction in glucose lowering medication. BMJ Nutrition, Prevention and Health, 2019, 2, 43-50.	1.9	31
50	Insulin-like growth factor 1 receptor expression and IGF1R 3129G > T polymorphism are associated with response to neoadjuvant chemotherapy in breast cancer patients: results from the NEOZOTAC trial (BOOG 2010-01). Breast Cancer Research, 2016, 18, 3.	2,2	30
51	Effect of diet-induced weight loss on lipoprotein(a) levels in obese individuals with and without type 2 diabetes. Diabetologia, 2017, 60, 989-997.	2.9	30
52	Dietary sugars and non-caloric sweeteners elicit different homeostatic and hedonic responses in the brain. Nutrition, 2019, 60, 80-86.	1.1	30
53	Low Amplitude and Disorderly Spontaneous Growth Hormone Release in Obese Women with or without Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 4225-4230.	1.8	29
54	Energy restriction and Roux-en-Y gastric bypass reduce postprandial \hat{l}_{\pm} -dicarbonyl stress in obese women with type 2 diabetes. Diabetologia, 2016, 59, 2013-2017.	2.9	29

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55	Long-term effect of lifestyle intervention on adiposity, metabolic parameters, inflammation and physical fitness in obese children: a randomized controlled trial. Nutrition and Diabetes, 2011, 1, e9-e9.	1.5	28
56	Thyrotropin Secretion in Healthy Subjects Is Robust and Independent of Age and Gender, and Only Weakly Dependent on Body Mass Index. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 570-578.	1.8	28
57	Brain activity and connectivity changes in response to nutritive natural sugars, non-nutritive natural sugar replacements and artificial sweeteners. Nutritional Neuroscience, 2021, 24, 395-405.	1.5	28
58	Quality of life and illness perceptions in patients with breast cancer using a fasting mimicking diet as an adjunct to neoadjuvant chemotherapy in the phase 2 DIRECT (BOOG 2013–14) trial. Breast Cancer Research and Treatment, 2021, 185, 741-758.	1.1	27
59	Obesity: evolution of a symptom of affluence. Netherlands Journal of Medicine, 2011, 69, 159-66.	0.6	27
60	Growth hormone and ghrelin secretion are associated with clinical severity in Huntington's disease. European Journal of Neurology, 2010, 17, 280-288.	1.7	26
61	Regulation of skeletal muscle energy/nutrient-sensing pathways during metabolic adaptation to fasting in healthy humans. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E885-E895.	1.8	26
62	Effect of sodium oxybate on growth hormone secretion in narcolepsy patients and healthy controls. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E1069-E1075.	1.8	24
63	Tumorâ€stroma ratio is associated with <scp>Millerâ€Payne</scp> score and pathological response to neoadjuvant chemotherapy in <scp>HER2</scp> â€negative early breast cancer. International Journal of Cancer, 2021, 149, 1181-1188.	2.3	24
64	High Diabetes Distress Among Ethnic Minorities Is Not Explained by Metabolic, Cardiovascular, or Lifestyle Factors: Findings From the Dutch Diabetes Pearl Cohort. Diabetes Care, 2018, 41, 1854-1861.	4.3	23
65	Blunted lipolytic response to fasting in abdominally obese women: evidence for involvement of hyposomatotropism. American Journal of Clinical Nutrition, 2003, 77, 544-550.	2.2	22
66	The 24-hour serum profiles of bone markers in healthy older men and women. Bone, 2019, 120, 61-69.	1.4	22
67	Increased heart rate variability but normal resting metabolic rate in hypocretin/orexin-deficient human narcolepsy. Journal of Clinical Sleep Medicine, 2008, 4, 248-54.	1.4	22
68	Modulation of Monoaminergic Neural Circuits. Treatments in Endocrinology: Guiding Your Management of Endocrine Disorders, 2002, 1, 71-78.	1.8	21
69	Adipocyte telomere length associates negatively with adipocyte size, whereas adipose tissue telomere length associates negatively with the extent of fibrosis in severely obese women. International Journal of Obesity, 2014, 38, 746-749.	1.6	19
70	Familial longevity is characterized by high circadian rhythmicity of serum cholesterol in healthy elderly individuals. Aging Cell, 2017, 16, 237-243.	3.0	19
71	Short-Term Treatment with Bromocriptine Improves Impaired Circadian Growth Hormone Secretion in Obese Premenopausal Women. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 3455-3461.	1.8	18
72	Plasma Total Ghrelin and Leptin Levels in Human Narcolepsy and Matched Healthy Controls: Basal Concentrations and Response to Sodium Oxybate. Journal of Clinical Sleep Medicine, 2013, 09, 797-803.	1.4	18

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73	Growth Hormone Blunts Protein Oxidation and Promotes Protein Turnover to a Similar Extent in Abdominally Obese and Normal-Weight Women. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 5668-5674.	1.8	17
74	The effect of family-based multidisciplinary cognitive behavioral treatment in children with obesity: study protocol for a randomized controlled trial. Trials, 2011, 12, 110.	0.7	17
75	Brain activity and connectivity changes in response to glucose ingestion. Nutritional Neuroscience, 2020, 23, 110-117.	1.5	17
76	Soluble mannose receptor induces proinflammatory macrophage activation and metaflammation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118 , .	3.3	17
77	The effect of consumption temperature on the homeostatic and hedonic responses to glucose ingestion in the hypothalamus and the reward system. American Journal of Clinical Nutrition, 2018, 107, 20-25.	2.2	16
78	Effects of intranasal insulin application on the hypothalamic BOLD response to glucose ingestion. Scientific Reports, 2017, 7, 13327.	1.6	15
79	Unraveling the Resistance of IGF-Pathway Inhibition in Ewing Sarcoma. Cancers, 2020, 12, 3568.	1.7	15
80	Hyposomatotropism Blunts Lipolysis in Abdominally Obese Women. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 3851-3858.	1.8	14
81	Bromocriptine Reduces Augmented Thyrotropin Secretion in Obese Premenopausal Women. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 1176-1181.	1.8	14
82	Olanzapine shifts the temporal relationship between the daily acrophase of serum prolactin and cortisol concentrations rhythm in healthy men. Psychoneuroendocrinology, 2009, 34, 705-712.	1.3	14
83	Blocking Dopamine D2 Receptors by Haloperidol Curtails the Beneficial Impact of Calorie Restriction on the Metabolic Phenotype of High-Fat Diet Induced Obese Mice. Journal of Neuroendocrinology, 2011, 23, 158-167.	1.2	14
84	Pharmacological Modulation of Dopamine Receptor D2-Mediated Transmission Alters the Metabolic Phenotype of Diet Induced Obese and Diet Resistant C57Bl6 Mice. Experimental Diabetes Research, 2011, 2011, 1-10.	3.8	14
85	Repeat length variations in polyglutamine disease-associated genes affect body mass index. International Journal of Obesity, 2019, 43, 440-449.	1.6	13
86	Four weeks high fat feeding induces insulin resistance without affecting dopamine release or gene expression patterns in the hypothalamus of C57Bl6 mice. Brain Research, 2009, 1250, 141-148.	1.1	12
87	Serum levels of IGF-1 and IGF-BP3 are associated with event-free survival in adult Ewing sarcoma patients treated with chemotherapy. OncoTargets and Therapy, 2017, Volume 10, 2963-2970.	1.0	12
88	Glucose homeostasis in abdominal obesity: hepatic hyperresponsiveness to growth hormone action. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E63-E68.	1.8	11
89	Longevity. The allostatic load of dietary restriction. Physiology and Behavior, 2012, 106, 51-57.	1.0	10
90	Growth hormone secretion in primary adrenal Cushing's syndrome is disorderly and inversely correlated with body mass index. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E63-E70.	1.8	9

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91	The effects of sodium oxybate on core body and skin temperature regulation in narcolepsy. Journal of Sleep Research, 2015, 24, 566-575.	1.7	9
92	Characterization of the Hypothalamic-Pituitary-Adrenal-Axis in Familial Longevity under Resting Conditions. PLoS ONE, 2015, 10, e0133119.	1.1	9
93	Fasting in diabetes treatment (FIT) trial: study protocol for a randomised, controlled, assessor-blinded intervention trial on the effects of intermittent use of a fasting-mimicking diet in patients with type 2 diabetes. BMC Endocrine Disorders, 2020, 20, 94.	0.9	9
94	Familial Longevity is Associated with an Attenuated Thyroidal Response to Recombinant Human Thyroid Stimulating Hormone. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2572-e2580.	1.8	9
95	Renal Contribution to Increased Clearance of Exogenous Growth Hormone in Obese Hypertensive Patients. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 795-799.	1.8	8
96	Changes in brain activity after weight loss. Obesity Science and Practice, 2019, 5, 459-467.	1.0	8
97	Short-Term Fasting Synergizes with Solid Cancer Therapy by Boosting Antitumor Immunity. Cancers, 2022, 14, 1390.	1.7	8
98	Altered multihormone synchrony in obese patients with polycystic ovary syndrome. Metabolism: Clinical and Experimental, 2011, 60, 1227-1233.	1.5	7
99	Food Cues Do Not Modulate the Neuroendocrine Response to a Prolonged Fast in Healthy Men. Neuroendocrinology, 2012, 96, 285-293.	1.2	7
100	Phase Difference between Serum Prolactin and Cortisol Rhythms Is Related to Body Mass Index in Humans. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E2293-E2296.	1.8	7
101	Cardiovascular flexibility in middle-aged overweight South Asians vs. white Caucasians: Response to short-term caloric restriction. Nutrition, Metabolism and Cardiovascular Diseases, 2015, 25, 403-410.	1.1	7
102	Interrelationships Between Pituitary Hormones as Assessed From 24-hour Serum Concentrations in Healthy Older Subjects. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1201-e1214.	1.8	7
103	The Effect of a Lifestyle Intervention on Type 2 Diabetes Pathophysiology and Remission: The Stevenshof Pilot Study. Nutrients, 2021, 13, 2193.	1.7	7
104	Addition of zoledronic acid to neoadjuvant chemotherapy is not beneficial in patients with HER2-negative stage II/III breast cancer: 5-year survival analysis of the NEOZOTAC trial (BOOG 2010-01). Breast Cancer Research, 2019, 21, 97.	2.2	6
105	Obesity, dopamine and the metabolic syndrome: potential of dopaminergic agents in the control of metabolism. Current Opinion in Endocrinology, Diabetes and Obesity, 2006, 13, 179-184.	0.6	5
106	Does midlife obesity really lower dementia risk?. Lancet Diabetes and Endocrinology,the, 2015, 3, 499-500.	5.5	5
107	Effect of flavor on neuronal responses of the hypothalamus and ventral tegmental area. Scientific Reports, 2019, 9, 11250.	1.6	5
108	Insulin Sensitivity in De Novo Parkinson's Disease: A <scp>Hyperinsulinemicâ€Euglycemic</scp> Clamp Study. Movement Disorders, 2020, 35, 1693-1694.	2.2	5

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109	Exploratory analysis of candidate germline gene polymorphisms in breast cancer patients treated with neoadjuvant anthracycline-containing chemotherapy and associations with febrile neutropenia. Pharmacogenomics, 2015, 16, 1265-1274.	0.6	4
110	Individual and partner's level of occupation and the association with HbA _{1c} levels in people with Type 2 diabetes mellitus: the Dutch Diabetes Pearl cohort. Diabetic Medicine, 2017, 34, 1623-1628.	1.2	4
111	Lifestyle Medicine: Why Do We Need It?. Medical Science Educator, 2018, 28, 5-7.	0.7	4
112	Circulating Thyroid Hormone Profile in Response to a Triiodothyronine Challenge in Familial Longevity. Journal of the Endocrine Society, 2020, 4, bvaa117.	0.1	2
113	Familial Longevity Is Not Associated with Major Differences in the Hypothalamic–Pituitary–Gonadal Axis in Healthy Middle-Aged Men. Frontiers in Endocrinology, 2016, 7, 143.	1.5	1
114	Study design of the Fasting In diabetes Treatment (FIT) trial: a randomised, controlled, assessor blinded intervention trial which examines the effect of intermittent use of a fasting mimicking diet in patients with type 2 diabetes. British Journal of General Practice, 2020, 70, bjgp20X711173.	0.7	1
115	Observational study on dietary changes of participants following a multicomponent lifestyle program (Reverse Diabetes2 Now). Journal of Human Nutrition and Dietetics, 2022, 35, 791-803.	1.3	1
116	PS14 - 73. Effect of fasting on energy- and nutrient-sensing pathways in human skeletal muscle. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 140-140.	0.0	0
117	PS15 - 75. Differences in adipocyte morphology and immune cell population in adipose tissues from metabolically healthy and unhealthy severely obese women. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 142-142.	0.0	0
118	PL - 93. Effects of gastric bypass surgery and high-protein-low-calorie diet on postprandial plasma glucose, insulin and gut hormone levels in obese diabetic patients. Nederlands Tijdschrift Voor Diabetologie, 2011, 9, 155-155.	0.0	0
119	PS5 - 28. An 8-day very low calorie diet improves insulin sensitivity in middleaged obese male Hindostani but not in Caucasians. Nederlands Tijdschrift Voor Diabetologie, 2012, 10, 116-117.	0.0	0
120	The Nature of Nutrition: A Unifying Framework from Animal Adaptation to Human Obesity. By Stephen J.Simpson and DavidRaubenheimer. xii + 239 pp. Princeton, NJ: Princeton University Press. 2012. \$49.50 (cloth or ebook) American Journal of Human Biology, 2013, , n/a-n/a.	0.8	0