

# Knut Mai

## List of Publications by Year in Descending Order

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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.

82

papers

2,658

citations

28

h-index

50

g-index

93

ext. papers

3,242

ext. citations

7.4

avg, IF

4.58

L-index

#	Paper	IF	Citations
82	Impact of protocol-based physiotherapy on insulin sensitivity and peripheral glucose metabolism in critically ill patients.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2022</b> ,	10.3	2
81	Long-term impact of the metabolic status on weight loss-induced health benefits.. <i>Nutrition and Metabolism</i> , <b>2022</b> , 19, 25	4.6	1
80	Weight loss did not modify macronutrient specific response of hormones and satiety in overweight and obese people without metabolic disease - results from a clinical trial.. <i>Clinical Nutrition</i> , <b>2022</b> , 41, 948-957	5.9	0
79	Effects of caloric restriction on the gut microbiome are linked with immune senescence.. <i>Microbiome</i> , <b>2022</b> , 10, 57	16.6	1
78	Combined Oral Triglyceride and Glucose Tolerance Test After Acute Ischemic Stroke to Predict Recurrent Vascular Events: The Berlin "Cream&Sugar" Study.. <i>Stroke</i> , <b>2022</b> , 101161STROKEAHA122038732	6.7	32
77	Fetuin-B, a potential link of liver-adipose tissue cross talk during diet-induced weight loss-weight maintenance. <i>Nutrition and Diabetes</i> , <b>2021</b> , 11, 31	4.7	0
76	Association between meal-specific daily protein intake and lean mass in older adults: results of the cross-sectional BASE-II study. <i>American Journal of Clinical Nutrition</i> , <b>2021</b> , 114, 1141-1147	7	
75	The Diagnosis and Management of Endocrine Side Effects of Immune Checkpoint Inhibitors. <i>Deutsches A&amp;#x0308;rztblatt International</i> , <b>2021</b> , 118,	2.5	4
74	Caloric restriction disrupts the microbiota and colonization resistance. <i>Nature</i> , <b>2021</b> , 595, 272-277	50.4	32
73	Delayed onset hypophysitis after therapy with daclizumab for multiple sclerosis - A report of two cases. <i>Journal of Neuroimmunology</i> , <b>2021</b> , 351, 577469	3.5	1
72	The ElonginB/C-Cullin5-SOCS-Box-Complex Is a Potential Biomarker for Growth Hormone Disorders. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	1
71	Adjuvant platinum-based chemotherapy in radically resected adrenocortical carcinoma: a cohort study. <i>British Journal of Cancer</i> , <b>2021</b> , 125, 1233-1238	8.7	1
70	Nutritional counseling frequency and baseline food pattern predict implementation of a high-protein and high-polyunsaturated fatty acid dietary pattern: 1-year results of the randomized NutriAct trial. <i>Clinical Nutrition</i> , <b>2021</b> , 40, 5457-5466	5.9	1
69	In Reply.. <i>Deutsches A&amp;#x0308;rztblatt International</i> , <b>2021</b> , 118, 681-682	2.5	
68	Effects of Weight Loss on Adipose and Muscular Neuropilin 1 mRNA Expression in Obesity: Potential Implication in SARS-CoV-2 Infections?. <i>Obesity Facts</i> , <b>2021</b> , 1-9	5.1	2
67	Systematic review and meta-analysis of the associations of vegan and vegetarian diets with inflammatory biomarkers. <i>Scientific Reports</i> , <b>2020</b> , 10, 21736	4.9	20
66	Association between Subcutaneous Adipose Tissue Inflammation, Insulin Resistance, and Calorie Restriction in Obese Females. <i>Journal of Immunology</i> , <b>2020</b> , 205, 45-55	5.3	7

65	Associations of a vegan diet with inflammatory biomarkers. <i>Scientific Reports</i> , <b>2020</b> , 10, 1933	4.9	18
64	Vitamin and Mineral Status in a Vegan Diet. <i>Deutsches A&amp;#x0308;rzblatt International</i> , <b>2020</b> , 117, 575-582	2.5	23
63	Long-term effects of a food pattern on cardiovascular risk factors and age-related changes of muscular and cognitive function. <i>Medicine (United States)</i> , <b>2020</b> , 99, e22381	1.8	1
62	Hypoxia and exercise interactions on skeletal muscle insulin sensitivity in obese subjects with metabolic syndrome: results of a randomized controlled trial. <i>International Journal of Obesity</i> , <b>2020</b> , 44, 1119-1128	5.5	4
61	Metabolic impact of weight loss induced reduction of adipose ACE-2 - Potential implication in COVID-19 infections?. <i>Metabolism: Clinical and Experimental</i> , <b>2020</b> , 113, 154401	12.7	14
60	Efficacy and safety of setmelanotide, an MC4R agonist, in individuals with severe obesity due to LEPR or POMC deficiency: single-arm, open-label, multicentre, phase 3 trials. <i>Lancet Diabetes and Endocrinology</i> , <b>2020</b> , 8, 960-970	18.1	76
59	Interaction of circulating GLP-1 and the response of the dorsolateral prefrontal cortex to food-cues predicts body weight development. <i>Molecular Metabolism</i> , <b>2019</b> , 29, 136-144	8.8	8
58	Muscle wasting and function after muscle activation and early protocol-based physiotherapy: an explorative trial. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2019</b> , 10, 734-747	10.3	27
57	Effects of spermidine supplementation on cognition and biomarkers in older adults with subjective cognitive decline (SmartAge)-study protocol for a randomized controlled trial. <i>Alzheimer's Research and Therapy</i> , <b>2019</b> , 11, 36	9	38
56	Diabetesremission durch Gewichtsabnahme klappt auch l�ngerfristig. <i>Info Diabetologie</i> , <b>2019</b> , 13, 11-12	0	0
55	Genetic Nicotinamide -Methyltransferase () Deficiency in Male Mice Improves Insulin Sensitivity in Diet-Induced Obesity but Does Not Affect Glucose Tolerance. <i>Diabetes</i> , <b>2019</b> , 68, 527-542	0.9	22
54	An Integrated Understanding of the Molecular Mechanisms of How Adipose Tissue Metabolism Affects Long-term Body Weight Maintenance. <i>Diabetes</i> , <b>2019</b> , 68, 57-65	0.9	14
53	Interactions between neural decision-making circuits predict long-term dietary treatment success in obesity. <i>NeuroImage</i> , <b>2019</b> , 184, 520-534	7.9	15
52	Effects of a combined dietary, exercise and behavioral intervention and sympathetic system on body weight maintenance after intended weight loss: Results of a randomized controlled trial. <i>Metabolism: Clinical and Experimental</i> , <b>2018</b> , 83, 60-67	12.7	21
51	Measuring Energy Expenditure in extracorporeal lung support Patients (MEEP) - Protocol, feasibility and pilot trial. <i>Clinical Nutrition</i> , <b>2018</b> , 37, 301-307	5.9	24
50	Distinct Housing Conditions Reveal a Major Impact of Adaptive Immunity on the Course of Obesity-Induced Type 2 Diabetes. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1069	8.4	7
49	MC4R agonism promotes durable weight loss in patients with leptin receptor deficiency. <i>Nature Medicine</i> , <b>2018</b> , 24, 551-555	50.5	139
48	Normobaric hypoxic conditioning in men with metabolic syndrome. <i>Physiological Reports</i> , <b>2018</b> , 6, e13942.6	2.6	8

47	Whole-body vibration to prevent intensive care unit-acquired weakness: safety, feasibility, and metabolic response. <i>Critical Care</i> , <b>2017</b> , 21, 9	10.8	15
46	Renal function is independently associated with circulating betatrophin. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173197	3.7	13
45	Mobile electronic versus paper case report forms in clinical trials: a randomized controlled trial. <i>BMC Medical Research Methodology</i> , <b>2017</b> , 17, 153	4.7	16
44	Caloric Restriction in Older Adults-Differential Effects of Weight Loss and Reduced Weight on Brain Structure and Function. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 1765-1778	5.1	59
43	Weight Loss Partially Restores Glucose-Driven Betatrophin Response in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 4014-4020	5.6	12
42	Proopiomelanocortin Deficiency Treated with a Melanocortin-4 Receptor Agonist. <i>New England Journal of Medicine</i> , <b>2016</b> , 375, 240-6	59.2	253
41	ANP system activity predicts variability of fat mass reduction and insulin sensitivity during weight loss. <i>Metabolism: Clinical and Experimental</i> , <b>2016</b> , 65, 935-43	12.7	15
40	PDE3A mutations cause autosomal dominant hypertension with brachydactyly. <i>Nature Genetics</i> , <b>2015</b> , 47, 647-53	36.3	118
39	Circulating insulin-like growth factor binding protein-3 predicts one-year outcome after ischemic stroke. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>2015</b> , 123, 461-5	2.3	14
38	Clinical effects of phosphodiesterase 3A mutations in inherited hypertension with brachydactyly. <i>Hypertension</i> , <b>2015</b> , 66, 800-8	8.5	34
37	Palliative treatment of uncontrollable hypercalcemia due to parathyrotoxicosis: denosumab as rescue therapy. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , <b>2015</b> , 2015, 150082	1.4	12
36	Chemerin and prediction of Diabetes mellitus type 2. <i>Clinical Endocrinology</i> , <b>2015</b> , 82, 838-43	3.4	23
35	Impulse control in the dorsolateral prefrontal cortex counteracts post-diet weight regain in obesity. <i>NeuroImage</i> , <b>2015</b> , 109, 318-27	7.9	71
34	The role of neural impulse control mechanisms for dietary success in obesity. <i>NeuroImage</i> , <b>2013</b> , 83, 669-78	9.8	92
33	Arginine vasopressin-dependent and AVP-independent mechanisms of renal fluid absorption during thirsting despite glucocorticoid-mediated vasopressin suppression. <i>Clinical Endocrinology</i> , <b>2013</b> , 78, 431-7	3.4	3
32	Critical illness myopathy and GLUT4: significance of insulin and muscle contraction. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 387-96	10.2	70
31	Fibroblast growth factor 21 predicts the metabolic syndrome and type 2 diabetes in Caucasians. <i>Diabetes Care</i> , <b>2013</b> , 36, 145-9	14.6	100
30	Rosiglitazone increases fatty acid $\beta$ -desaturation and decreases elongase activity index in human skeletal muscle in vivo. <i>Metabolism: Clinical and Experimental</i> , <b>2012</b> , 61, 108-16	12.7	9

29	Attachment style contributes to the outcome of a multimodal lifestyle intervention. <i>BioPsychoSocial Medicine</i> , <b>2012</b> , 6, 3	2.8	14
28	Leptin and endocrine parameters in marathon runners. <i>International Journal of Sports Medicine</i> , <b>2012</b> , 33, 244-8	3.6	20
27	Glucose-dependent insulinotropic polypeptide reduces fat-specific expression and activity of 11 $\beta$ hydroxysteroid dehydrogenase type 1 and inhibits release of free fatty acids. <i>Diabetes</i> , <b>2012</b> , 61, 292-300	0.9	44
26	Histone deacetylase 6 (HDAC6) is an essential modifier of glucocorticoid-induced hepatic gluconeogenesis. <i>Diabetes</i> , <b>2012</b> , 61, 513-23	0.9	60
25	Levothyroxine medication is associated with adiposity independent of TSH. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>2012</b> , 120, 351-4	2.3	6
24	Effects of hyperlipidaemia on glucocorticoid metabolism: results of a randomized controlled trial in healthy young women. <i>Clinical Endocrinology</i> , <b>2011</b> , 74, 551-7	3.4	3
23	Relation between fibroblast growth factor-21, adiposity, metabolism, and weight reduction. <i>Metabolism: Clinical and Experimental</i> , <b>2011</b> , 60, 306-11	12.7	45
22	In vivo activity of 11 $\beta$ hydroxysteroid dehydrogenase type 1 in man: effects of prednisolone and chenodesoxycholic acid. <i>Hormone and Metabolic Research</i> , <b>2011</b> , 43, 66-71	3.1	7
21	Adrenal venous sampling: evaluation of the German Conn's registry. <i>Hypertension</i> , <b>2011</b> , 57, 990-5	8.5	148
20	Sex differences in physiological cardiac hypertrophy are associated with exercise-mediated changes in energy substrate availability. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H115-22	5.2	47
19	Skeletal muscle 11 $\beta$ HSD1 controls glucocorticoid-induced proteolysis and expression of E3 ubiquitin ligases atrogin-1 and MuRF-1. <i>PLoS ONE</i> , <b>2011</b> , 6, e16674	3.7	32
18	A1C is associated with intima-media thickness in individuals with normal glucose tolerance. <i>Diabetes Care</i> , <b>2010</b> , 33, 203-4	14.6	34
17	Physiological modulation of circulating FGF21: relevance of free fatty acids and insulin. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2010</b> , 299, E126-30	6	40
16	Circulating vaspin is unrelated to insulin sensitivity in a cohort of nondiabetic humans. <i>European Journal of Endocrinology</i> , <b>2010</b> , 162, 507-13	6.5	48
15	Relation between retinol, retinol-binding protein 4, transthyretin and carotid intima media thickness. <i>Atherosclerosis</i> , <b>2010</b> , 213, 549-51	3.1	71
14	Relation between physiological variation of renal function and carotid intima media thickness in non-diabetic individuals. <i>Journal of Atherosclerosis and Thrombosis</i> , <b>2010</b> , 17, 242-8	4	8
13	Free fatty acids link metabolism and regulation of the insulin-sensitizing fibroblast growth factor-21. <i>Diabetes</i> , <b>2009</b> , 58, 1532-8	0.9	120
12	Acute hyperinsulinaemia and hyperlipidaemia modify circulating adiponectin and its oligomers. <i>Clinical Endocrinology</i> , <b>2009</b> , 71, 507-11	3.4	9

11	Intravenous lipid and heparin infusion-induced elevation in free fatty acids and triglycerides modifies circulating androgen levels in women: a randomized, controlled trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 93, 3900-6	5.6	44
10	Cell-type specific regulation of the human 11beta-hydroxysteroid dehydrogenase type 1 promoter. <i>Archives of Physiology and Biochemistry</i> , <b>2007</b> , 113, 110-5	2.2	3
9	Rosiglitazone decreases 11beta-hydroxysteroid dehydrogenase type 1 in subcutaneous adipose tissue. <i>Clinical Endocrinology</i> , <b>2007</b> , 67, 419-25	3.4	33
8	Adiponectin oligomers in human serum during acute and chronic exercise: relation to lipid metabolism and insulin sensitivity. <i>International Journal of Sports Medicine</i> , <b>2007</b> , 28, 1-8	3.6	34
7	The simultaneous measurement of plasma-aldosterone- and -renin-concentration allows rapid classification of all disorders of the renin-aldosterone system. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>2007</b> , 115, 433-8	2.3	12
6	Free fatty acids increase androgen precursors in vivo. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2006</b> , 91, 1501-7	5.6	30
5	No effect of free fatty acids on adrenocorticotropin and cortisol secretion in healthy young men. <i>Metabolism: Clinical and Experimental</i> , <b>2006</b> , 55, 1022-8	12.7	9
4	In vivo activity of 11beta-hydroxysteroid dehydrogenase type 1 and free fatty acid-induced insulin resistance. <i>Clinical Endocrinology</i> , <b>2005</b> , 63, 442-9	3.4	11
3	Adaptation of the hypothalamic-pituitary hormones during intensive endurance training. <i>Clinical Endocrinology</i> , <b>2005</b> , 63, 530-6	3.4	24
2	Changes of adiponectin oligomer composition by moderate weight reduction. <i>Diabetes</i> , <b>2005</b> , 54, 2712-9.	9.9	232
1	Thrifty energy phenotype predicts weight regain - results of a randomized controlled trial		2