

# Sander Kooijman

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

3,380  
citations

172207

29  
h-index

161609

54  
g-index

95  
all docs

95  
docs citations

95  
times ranked

5376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Butyrate reduces appetite and activates brown adipose tissue via the gut-brain neural circuit. <i>Cut</i> , 2018, 67, 1269-1279.	6.1	401
2	Brown fat activation reduces hypercholesterolaemia and protects from atherosclerosis development. <i>Nature Communications</i> , 2015, 6, 6356.	5.8	360
3	Human Brown Adipocyte Thermogenesis Is Driven by $\beta$ 2-AR Stimulation. <i>Cell Metabolism</i> , 2020, 32, 287-300.e7.	7.2	185
4	Brown adipose tissue takes up plasma triglycerides mostly after lipolysis. <i>Journal of Lipid Research</i> , 2015, 56, 51-59.	2.0	147
5	Role of Brown Fat in Lipoprotein Metabolism and Atherosclerosis. <i>Circulation Research</i> , 2016, 118, 173-182.	2.0	139
6	Prolonged daily light exposure increases body fat mass through attenuation of brown adipose tissue activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6748-6753.	3.3	115
7	Central GLP-1 receptor signalling accelerates plasma clearance of triacylglycerol and glucose by activating brown adipose tissue in mice. <i>Diabetologia</i> , 2015, 58, 2637-2646.	2.9	100
8	Sympathetic nervous system control of triglyceride metabolism: novel concepts derived from recent studies. <i>Journal of Lipid Research</i> , 2014, 55, 180-189.	2.0	97
9	The $\text{GPR}_{120}$ agonist $\text{TUG}_{\beta 91}$ promotes metabolic health by stimulating mitochondrial respiration in brown fat. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	91
10	Ejection of damaged mitochondria and their removal by macrophages ensure efficient thermogenesis in brown adipose tissue. <i>Cell Metabolism</i> , 2022, 34, 533-548.e12.	7.2	91
11	Peripheral cannabinoid 1 receptor blockade activates brown adipose tissue and diminishes dyslipidemia and obesity. <i>FASEB Journal</i> , 2014, 28, 5361-5375.	0.2	85
12	A Diurnal Rhythm in Brown Adipose Tissue Causes Rapid Clearance and Combustion of Plasma Lipids at Wakening. <i>Cell Reports</i> , 2018, 22, 3521-3533.	2.9	68
13	Lipolysis drives expression of the constitutively active receptor GPR3 to induce adipose thermogenesis. <i>Cell</i> , 2021, 184, 3502-3518.e33.	13.5	68
14	Trichodysplasia spinulosa is characterized by active polyomavirus infection. <i>Journal of Clinical Virology</i> , 2012, 53, 225-230.	1.6	66
15	Regulation of brown fat by AMP-activated protein kinase. <i>Trends in Molecular Medicine</i> , 2015, 21, 571-579.	3.5	62
16	USF1 deficiency activates brown adipose tissue and improves cardiometabolic health. <i>Science Translational Medicine</i> , 2016, 8, 323ra13.	5.8	58
17	Neuronal Control of Brown Fat Activity. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 657-668.	3.1	53
18	Relevance of lipid metabolism for brown fat visualization and quantification. <i>Current Opinion in Lipidology</i> , 2016, 27, 242-248.	1.2	49

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19	Improving Taxane-Based Chemotherapy in Castration-Resistant Prostate Cancer. Trends in Pharmacological Sciences, 2016, 37, 451-462.	4.0	45
20	Regulation of Adipose Tissue Metabolism by the Endocannabinoid System. Trends in Endocrinology and Metabolism, 2018, 29, 326-337.	3.1	45
21	Disruption of circadian rhythm by alternating light&dark cycles aggravates atherosclerosis development in APOE*3&Leiden.CETP mice. Journal of Pineal Research, 2020, 68, e12614.	3.4	45
22	Parabrachial Interleukin-6 Reduces Body Weight and Food Intake and Increases Thermogenesis to Regulate Energy Metabolism. Cell Reports, 2019, 26, 3011-3026.e5.	2.9	41
23	Deficiency of the Circadian Clock Gene Bmal1 Reduces Microglial Immunometabolism. Frontiers in Immunology, 2020, 11, 586399.	2.2	41
24	Microglia-specific knock-down of Bmal1 improves memory and protects mice from high fat diet-induced obesity. Molecular Psychiatry, 2021, 26, 6336-6349.	4.1	41
25	A single day of high-fat diet feeding induces lipid accumulation and insulin resistance in brown adipose tissue in mice. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E820-E830.	1.8	40
26	High Fat Diet Increases Circulating Endocannabinoids Accompanied by Increased Synthesis Enzymes in Adipose Tissue. Frontiers in Physiology, 2018, 9, 1913.	1.3	40
27	Salsalate Activates Brown Adipose Tissue in Mice. Diabetes, 2015, 64, 1544-1554.	0.3	38
28	Pharmacological treatment with FGF21 strongly improves plasma cholesterol metabolism to reduce atherosclerosis. Cardiovascular Research, 2022, 118, 489-502.	1.8	34
29	Splenic autonomic denervation increases inflammatory status but does not aggravate atherosclerotic lesion development. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H646-H654.	1.5	32
30	The autonomic nervous system regulates postprandial hepatic lipid metabolism. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E1089-E1096.	1.8	31
31	Plasticity of circadian clocks and consequences for metabolism. Diabetes, Obesity and Metabolism, 2015, 17, 65-75.	2.2	31
32	Triazole Ureas Act as Diacylglycerol Lipase Inhibitors and Prevent Fasting-Induced Refeeding. Journal of Medicinal Chemistry, 2017, 60, 428-440.	2.9	30
33	Androgens modulate glucocorticoid receptor activity in adipose tissue and liver. Journal of Endocrinology, 2019, 240, 51-63.	1.2	30
34	RandoMice, a novel, user-friendly randomization tool in animal research. PLoS ONE, 2020, 15, e0237096.	1.1	27
35	How the COVID-19 pandemic highlights the necessity of animal research. Current Biology, 2020, 30, R1014-R1018.	1.8	26
36	Inhibition of the central melanocortin system decreases brown adipose tissue activity. Journal of Lipid Research, 2014, 55, 2022-2032.	2.0	25

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37	The effect of mirabegron on energy expenditure and brown adipose tissue in healthy lean South Asian and European men. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 2032-2044.	2.2	25
38	Hematopoietic $\beta$ 7 nicotinic acetylcholine receptor deficiency increases inflammation and platelet activation status, but does not aggravate atherosclerosis. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, 126-135.	1.9	23
39	Circadian disruption by shifting the light-dark cycle negatively affects bone health in mice. <i>FASEB Journal</i> , 2020, 34, 1052-1064.	0.2	23
40	Inactivation of the E3 Ubiquitin Ligase IDOL Attenuates Diet-Induced Obesity and Metabolic Dysfunction in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1785-1795.	1.1	22
41	NTCP deficiency in mice protects against obesity and hepatosteatosis. <i>JCI Insight</i> , 2019, 4, .	2.3	21
42	Extending pharmacological dose-response curves for salsalate with natural deep eutectic solvents. <i>RSC Advances</i> , 2015, 5, 61398-61401.	1.7	20
43	MicroRNA-132 controls water homeostasis through regulating MECP2-mediated vasopressin synthesis. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1129-F1138.	1.3	20
44	Familial longevity is characterized by high circadian rhythmicity of serum cholesterol in healthy elderly individuals. <i>Aging Cell</i> , 2017, 16, 237-243.	3.0	19
45	Time-restricted feeding improves adaptation to chronically alternating light-dark cycles. <i>Scientific Reports</i> , 2019, 9, 7874.	1.6	17
46	Time for Novel Strategies to Mitigate Cardiometabolic Risk in Shift Workers. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 952-964.	3.1	17
47	Chronobiology and Chronotherapy of Osteoporosis. <i>JBMR Plus</i> , 2021, 5, e10504.	1.3	17
48	Chronic infusion of taurochenodeoxycholate into the brain increases fat oxidation in mice. <i>Journal of Endocrinology</i> , 2018, 236, 85-97.	1.2	16
49	Proteoglycan 4 deficiency protects against glucose intolerance and fatty liver disease in diet-induced obese mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 494-501.	1.8	16
50	Aging selectively dampens oscillation of lipid abundance in white and brown adipose tissue. <i>Scientific Reports</i> , 2021, 11, 5932.	1.6	16
51	Impaired Very-Low-Density Lipoprotein catabolism links hypoglycemia to hypertriglyceridemia in Glycogen Storage Disease type Ia. <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 879-892.	1.7	13
52	A physiological glucocorticoid rhythm is an important regulator of brown adipose tissue function. <i>Molecular Metabolism</i> , 2021, 47, 101179.	3.0	12
53	Four-and-a-half LIM domain protein 2 (FHL2) deficiency protects mice from diet-induced obesity and high FHL2 expression marks human obesity. <i>Metabolism: Clinical and Experimental</i> , 2021, 121, 154815.	1.5	12
54	Associations of Outdoor Temperature, Bright Sunlight, and Cardiometabolic Traits in Two European Population-Based Cohorts. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 2903-2910.	1.8	11

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55	<sc>F</sc><sc>R</sc>â€ˆchain deficiency reduces the development of dietâ€ˆinduced obesity. Obesity, 2015, 23, 2435-2444.	1.5	10
56	Limited variation during circulation of a polyomavirus in the human population involves the COCO-VA toggling site of Middle and Alternative T-antigen(s). Virology, 2016, 487, 129-140.	1.1	10
57	Human Neutrophil Peptide 1 Limits Hypercholesterolemia-induced Atherosclerosis by Increasing Hepatic LDL Clearance. EBioMedicine, 2017, 16, 204-211.	2.7	10
58	Comprehensive (apo)lipoprotein profiling in patients with genetic hypertriglyceridemia using LC-MS and NMR spectroscopy. Journal of Clinical Lipidology, 2022, 16, 472-482.	0.6	10
59	Cannabinoid type 1 receptor inverse agonism attenuates dyslipidemia and atherosclerosis in APOEâ€ˆ3-Leiden.CETP mice. Journal of Lipid Research, 2021, 62, 100070.	2.0	9
60	Beneficial effects of brown fat activation on top of PCSK9 inhibition with alirocumab on dyslipidemia and atherosclerosis development in APOE*3-Leiden.CETP mice. Pharmacological Research, 2021, 167, 105524.	3.1	9
61	The development of novel glucocorticoid receptor antagonists: From rational chemical design to therapeutic efficacy in metabolic disease models. Pharmacological Research, 2021, 168, 105588.	3.1	9
62	Loss of glucocorticoid rhythm induces an osteoporotic phenotype in female mice. Aging Cell, 2021, 20, e13474.	3.0	9
63	Conditionally immortalized brown preadipocytes can switch between proliferative and differentiated states. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 158511.	1.2	8
64	Liposomal Delivery Improves the Efficacy of Prednisolone to Attenuate Renal Inflammation in a Mouse Model of Acute Renal Allograft Rejection. Transplantation, 2020, 104, 744-753.	0.5	8
65	Higher Plasma Sclerostin and Lower Wnt Signaling Gene Expression in White Adipose Tissue of Prediabetic South Asian Men Compared with White Caucasian Men. Diabetes and Metabolism Journal, 2020, 44, 326.	1.8	8
66	Angiopoietin-like 4 governs diurnal lipoprotein lipase activity in brown adipose tissue. Molecular Metabolism, 2022, 60, 101497.	3.0	8
67	Reply to â€ˆLetter to the editor: Parasympathetic innervation of the rodent spleen?â€ˆ American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H2159-H2159.	1.5	6
68	Circadian control of brown adipose tissue. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158961.	1.2	6
69	Cold-Induced Thermogenesis Shows a Diurnal Variation That Unfolds Differently in Males and Females. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 1626-1635.	1.8	6
70	The Iminosugar AMP-DNM Improves Satiety and Activates Brown Adipose Tissue Through GLP1. Diabetes, 2019, 68, 2223-2234.	0.3	5
71	Disruption of Phospholipid Transfer Proteinâ€ˆMediated High-Density Lipoprotein Maturation Reduces Scavenger Receptor BI Deficiencyâ€ˆDriven Atherosclerosis Susceptibility Despite Unexpected Metabolic Complications. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 611-623.	1.1	5
72	Testosterone reduces metabolic brown fat activity in male mice. Journal of Endocrinology, 2021, 251, 83-96.	1.2	5

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73	Continuous Light Does Not Affect Atherosclerosis in APOE*3-Leiden.CETP Mice. <i>Journal of Biological Rhythms</i> , 2020, 35, 598-611.	1.4	4
74	Associations between outdoor temperature and bright sunlight with metabolites in two population-based European cohorts. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020, 30, 2252-2261.	1.1	4
75	Electrical Neurostimulation Promotes Brown Adipose Tissue Thermogenesis. <i>Frontiers in Endocrinology</i> , 2020, 11, 567545.	1.5	4
76	Common Genetic Variation in MC4R Does Not Affect Atherosclerotic Plaque Phenotypes and Cardiovascular Disease Outcomes. <i>Journal of Clinical Medicine</i> , 2021, 10, 932.	1.0	3
77	A simplified procedure to trace triglyceride-rich lipoprotein metabolism in vivo. <i>Physiological Reports</i> , 2021, 9, e14820.	0.7	3
78	Estradiol-driven metabolism in transwomen associates with reduced circulating extracellular vesicle microRNA-224/452. <i>European Journal of Endocrinology</i> , 2021, 185, 539-552.	1.9	3
79	Apolipoprotein F is reduced in humans with steatosis and controls plasma triglyceride-rich lipoprotein metabolism. <i>Hepatology</i> , 2023, 77, 1287-1302.	3.6	3
80	Butyrate via the gut-brain neuronal circuit reduces appetite and activates brown adipose tissue. <i>Atherosclerosis</i> , 2017, 263, e85.	0.4	2
81	Mild Exercise Does Not Prevent Atherosclerosis in APOE*3-Leiden.CETP Mice or Improve Lipoprotein Profile of Men with Obesity. <i>Obesity</i> , 2020, 28, S93-S103.	1.5	2
82	Rev1 deficiency induces replication stress to cause metabolic dysfunction differently in males and females. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E319-E329.	1.8	2
83	Human BAT Thermogenesis is Stimulated by the $\beta_2$ -Adrenergic Receptor. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
84	PS20 - 92. Inhibition of the central melanocortin system affects VLDL metabolism in E3L and E3L.CETP mice. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2012, 10, 165-165.	0.0	0
85	PS1 - 3. Central GLP-1 receptor activation increases triglyceride and glucose clearance by brown adipose tissue. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2013, 11, 134-134.	0.0	0
86	Abstract 68: Activation of Brown Adipose Tissue Reduces Development of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, .	1.1	0
87	Abstract 224: Biological Clock Strongly Regulates Brown Adipose Tissue Activity: Implications for Postprandial Triglyceride Metabolism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, .	1.1	0
88	Weekly shifts in light-dark cycle disrupt circadian clock gene expression in bone and reduce bone turnover. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
89	Loss of glucocorticoid rhythm induces an osteoporotic phenotype in mice. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
90	Abstract 202: Inhibition of Central Melanocortin 4 Receptor Signaling Severely Impairs Brown Adipose Tissue Activity and VLDL Metabolism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, .	1.1	0