Jens Mittag

List of Publications by Year
in descending order

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70	2,832	185998	182168
papers	citations	28 h-index	51 g-index

73	73	73	3466
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Abnormal thyroid hormone metabolism in mice lacking the monocarboxylate transporter 8. Journal of Clinical Investigation, 2007, 117, 627-635.	3.9	313
2	The Monocarboxylate Transporter 8 Linked to Human Psychomotor Retardation Is Highly Expressed in Thyroid Hormone-Sensitive Neuron Populations. Endocrinology, 2005, 146, 1701-1706.	1.4	230
3	Hypothalamic AMPK-ER Stress-JNK1 Axis Mediates the Central Actions of Thyroid Hormones on Energy Balance. Cell Metabolism, 2017, 26, 212-229.e12.	7.2	167
4	Hypermetabolism in mice caused by the central action of an unliganded thyroid hormone receptor Î±1. EMBO Journal, 2007, 26, 4535-4545.	3.5	116
5	Leptin Raises Defended Body Temperature without Activating Thermogenesis. Cell Reports, 2016, 14, 1621-1631.	2.9	116
6	The Thyroid Hormone Receptor Î±1 Protein Is Expressed in Embryonic Postmitotic Neurons and Persists in Most Adult Neurons. Molecular Endocrinology, 2010, 24, 1904-1916.	3.7	113
7	Congenital Hypothyroid Female Pax8-Deficient Mice Are Infertile Despite Thyroid Hormone Replacement Therapy. Endocrinology, 2007, 148, 719-725.	1.4	100
8	Thyroid hormone and the central control of homeostasis. Journal of Molecular Endocrinology, 2012, 49, R29-R35.	1.1	89
9	Inappropriate heat dissipation ignites brown fat thermogenesis in mice with a mutant thyroid hormone receptor Î±1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16241-16246.	3.3	86
10	Tanycytes control the hormonal output of the hypothalamic-pituitary-thyroid axis. Nature Communications, 2017, 8, 484.	5.8	81
11	Thyroid hormone is required for hypothalamic neurons regulating cardiovascular functions. Journal of Clinical Investigation, 2013, 123, 509-516.	3.9	81
12	Generation of Thyrotropin-Releasing Hormone Receptor 1-Deficient Mice as an Animal Model of Central Hypothyroidism. Molecular Endocrinology, 2004, 18, 1450-1460.	3.7	76
13	Thyroid-Hormone-Induced Browning of White Adipose Tissue Does Not Contribute to Thermogenesis and Glucose Consumption. Cell Reports, 2019, 27, 3385-3400.e3.	2.9	76
14	Constitutive Expression and Regulated Release of the Transmembrane Chemokine CXCL16 in Human and Murine Skin. Journal of Investigative Dermatology, 2007, 127, 1444-1455.	0.3	66
15	Biosynthesis of 3-Iodothyronamine From T4 in Murine Intestinal Tissue. Endocrinology, 2015, 156, 4356-4364.	1.4	63
16	Consequences of Monocarboxylate Transporter 8 Deficiency for Renal Transport and Metabolism of Thyroid Hormones in Mice. Endocrinology, 2010, 151, 802-809.	1.4	56
17	3-iodothyronamine differentially modulates Î±-2A-adrenergic receptor-mediated signaling. Journal of Molecular Endocrinology, 2015, 54, 205-216.	1.1	54
18	Small extracellular vesicle-mediated targeting of hypothalamic AMPKÎ±1 corrects obesity through BAT activation. Nature Metabolism, 2021, 3, 1415-1431.	5.1	45

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19	Serum copper as a novel biomarker for resistance to thyroid hormone. Biochemical Journal, 2012, 443, 103-109.	1.7	43
20	Interference of a Mutant Thyroid Hormone Receptor Î±1 with Hepatic Glucose Metabolism. Endocrinology, 2009, 150, 2940-2947.	1.4	42
21	Thyroid Hormones Regulate Selenoprotein Expression and Selenium Status in Mice. PLoS ONE, 2010, 5, e12931.	1.1	41
22	Adaptations of the Autonomous Nervous System Controlling Heart Rate Are Impaired by a Mutant Thyroid Hormone Receptor-Î±1. Endocrinology, 2010, 151, 2388-2395.	1.4	41
23	3-Iodothyronamine Induces Tail Vasodilation Through Central Action in Male Mice. Endocrinology, 2017, 158, 1977-1984.	1.4	39
24	Athyroid Pax8â^'/â^' Mice Cannot Be Rescued by the Inactivation of Thyroid Hormone Receptor Î±1. Endocrinology, 2005, 146, 3179-3184.	1.4	35
25	Male congenital hypothyroid Pax8â^'/â^' mice are infertile despite adequate treatment with thyroid hormone. Journal of Endocrinology, 2007, 192, 99-109.	1.2	35
26	Reduced expression of thyroid hormone receptor Î² in human nonalcoholic steatohepatitis. Endocrine Connections, 2018, 7, 1448-1456.	0.8	35
27	Severe psychomotor and metabolic damages caused by a mutant thyroid hormone receptor alpha 1 in mice: can patients with a similar mutation be found and treated?. Acta Paediatrica, International Journal of Paediatrics, 2008, 97, 1605-1610.	0.7	33
28	Breaking BAT: can browning create a better white?. Journal of Endocrinology, 2016, 228, R19-R29.	1.2	33
29	Thyroid hormones in the regulation of brown adipose tissue thermogenesis. Endocrine Connections, 2021, 10, R106-R115.	0.8	29
30	3â€Iodothyroacetic acid lacks thermoregulatory and cardiovascular effects in vivo. British Journal of Pharmacology, 2015, 172, 3426-3433.	2.7	28
31	Maternal thyroid hormone is required for parvalbumin neurone development in the anterior hypothalamic area. Journal of Neuroendocrinology, 2018, 30, e12573.	1.2	27
32	3-Iodothyronamine Decreases Expression of Genes Involved in Iodide Metabolism in Mouse Thyroids and Inhibits Iodide Uptake in PCCL3 Thyrocytes. Thyroid, 2017, 27, 11-22.	2.4	26
33	Low-level mitochondrial heteroplasmy modulates DNA replication, glucose metabolism and lifespan in mice. Scientific Reports, 2018, 8, 5872.	1.6	26
34	Neuroblast differentiation during development and in neuroblastoma requires KIF1BÎ²-mediated transport of TRKA. Genes and Development, 2017, 31, 1036-1053.	2.7	23
35	TSH Compensates Thyroid-Specific IGF-I Receptor Knockout and Causes Papillary Thyroid Hyperplasia. Molecular Endocrinology, 2011, 25, 1867-1879.	3.7	22
36	The Trace Amine-Associated Receptor 1 Agonist 3-Iodothyronamine Induces Biased Signaling at the Serotonin 1b Receptor. Frontiers in Pharmacology, 2018, 9, 222.	1.6	22

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37	Nesfatin-1 decreases the motivational and rewarding value of food. Neuropsychopharmacology, 2020, 45, 1645-1655.	2.8	22
38	Thermoregulatory and Cardiovascular Consequences of a Transient Thyrotoxicosis and Recovery in Male Mice. Endocrinology, 2016, 157, 2957-2967.	1.4	21
39	Analysis of Hypertrophic Thyrotrophs in Pituitaries of Athyroid Pax8â^'/â^' Mice. Endocrinology, 2009, 150, 4443-4449.	1.4	19
40	Brown fat and vascular heat dissipation. Adipocyte, 2014, 3, 221-223.	1.3	17
41	Cross-sectional analysis of trace element status in thyroid disease. Journal of Trace Elements in Medicine and Biology, 2020, 58, 126430.	1.5	17
42	Central Hypothyroidism Impairs Heart Rate Stability and Prevents Thyroid Hormone-Induced Cardiac Hypertrophy and Pyrexia. Thyroid, 2020, 30, 1205-1216.	2.4	16
43	Thyroid wars: the rise of central actions. Trends in Endocrinology and Metabolism, 2021, 32, 659-671.	3.1	16
44	The thermogenic effect of nesfatin-1 requires recruitment of the melanocortin system. Journal of Endocrinology, 2017, 235, 111-122.	1.2	15
45	In vivo Effects of Repeated Thyronamine Administration in Male C57BL/6J Mice. European Thyroid Journal, 2018, 7, 3-12.	1.2	15
46	Physiological consequences of the TRÎ±1 aporeceptor state. Heart Failure Reviews, 2010, 15, 111-115.	1.7	14
47	Identification of thyroid hormone response elements inÂvivo using mice expressing a tagged thyroid hormone receptor Î±1. Bioscience Reports, 2013, 33, e00027.	1.1	14
48	3-Iodothyronamine Activates a Set of Membrane Proteins in Murine Hypothalamic Cell Lines. Frontiers in Endocrinology, 2018, 9, 523.	1.5	12
49	More Than Fever - Novel Concepts in the Regulation of Body Temperature by Thyroid Hormones. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 428-431.	0.6	12
50	Positive correlation of thyroid hormones and serum copper in children with congenital hypothyroidism. Journal of Trace Elements in Medicine and Biology, 2016, 37, 90-95.	1.5	11
51	An improved method for the precise unravelment of non-shivering brown fat thermokinetics. Scientific Reports, 2021, 11, 4799.	1.6	11
52	Maternal Thyroid Hormone Programs Cardiovascular Functions in the Offspring. Thyroid, 2021, 31, 1424-1435.	2.4	11
53	Expression and thyroid hormone regulation of annexins in the anterior pituitary. Journal of Endocrinology, 2007, 195, 385-392.	1.2	10
54	Effects of sildenafil treatment on thermogenesis and glucose homeostasis in diet-induced obese mice. Nutrition and Diabetes, 2018, 8, 9.	1.5	9

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55	Leptin counteracts hypothermia in hypothyroidism through its pyrexic effects and by stabilizing serum thyroid hormone levels. Molecular Metabolism, 2021, 54, 101348.	3.0	9
56	CD5L Constitutes a Novel Biomarker for Integrated Hepatic Thyroid Hormone Action. Thyroid, 2020, 30, 908-923.	2.4	8
57	Aortic effects of thyroid hormone in male mice. Journal of Molecular Endocrinology, 2019, 62, 91-99.	1.1	7
58	Dwarfism and insulin resistance in male offspring caused by Î±1-adrenergic antagonism during pregnancy. Molecular Metabolism, 2017, 6, 1126-1136.	3.0	6
59	Dopamine receptor D1- and D2-agonists do not spark brown adipose tissue thermogenesis in mice. Scientific Reports, 2020, 10, 20203.	1.6	6
60	Maternal Brown Fat Thermogenesis Programs Glucose Tolerance in the Male Offspring. Cell Reports, 2020, 33, 108351.	2.9	6
61	N- and O-Acetylated 3-Iodothyronamines Have No Metabolic or Thermogenic Effects in Male Mice. European Thyroid Journal, 2020, 9, 57-66.	1.2	4
62	Too Much Too Soonâ€"Tissue-specific Inactivation of Deiodinase Type 3 Prematurely Exposes Brown Fat to Thyroid Hormone. Endocrinology, 2022, 163, .	1.4	4
63	Thyroid hormone drives the expression of mouse carbonic anhydrase Car4 in kidney, lung and brain. Molecular and Cellular Endocrinology, 2015, 416, 19-26.	1.6	3
64	Unraveling the Molecular Basis for Successful Thyroid Hormone Replacement Therapy: The Need for New Thyroid Tissue- and Pathway-Specific Biomarkers. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 473-478.	0.6	2
65	Orally Induced Hyperthyroidism Regulates Hypothalamic AMP-Activated Protein Kinase. Nutrients, 2021, 13, 4204.	1.7	2
66	Der selen/Kupfer Koeffizient â€“ ein neuer biomarker fÃ¼r SchilddrÃ¼senhormonresistenz?. Perspectives in Science, 2015, 3, 44-45.	0.6	1
67	Determination of 3-iodothyronamine (3-T1AM) in mouse liver using liquid chromatography-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1165, 122553.	1.2	1
68	Identification of new thyroid hormone dependent biomarkers for a successful replacement therapy. Endocrine Abstracts, 0, , .	0.0	1
69	Thyroid Hormone Receptor Mutation and Neurodevelopment. Contemporary Clinical Neuroscience, 2016, , 103-117.	0.3	1
70	Elucidating the actions of 3-Iodothyroacetic acid in thermoregulation and cardiovascular function. Experimental and Clinical Endocrinology and Diabetes, 2014, 122, .	0.6	0