

Martin Klingenspor

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

13,482
citations

19657

61
h-index

29157

104
g-index

252
all docs

252
docs citations

252
times ranked

20324
citing authors

#	ARTICLE	IF	CITATIONS
1	Defective Lipolysis and Altered Energy Metabolism in Mice Lacking Adipose Triglyceride Lipase. <i>Science</i> , 2006, 312, 734-737.	12.6	1,135
2	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2018, 14, 140-162.	9.6	563
3	A Humanized Version of Foxp2 Affects Cortico-Basal Ganglia Circuits in Mice. <i>Cell</i> , 2009, 137, 961-971.	28.9	555
4	Cyclooxygenase-2 Controls Energy Homeostasis in Mice by de Novo Recruitment of Brown Adipocytes. <i>Science</i> , 2010, 328, 1158-1161.	12.6	401
5	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , 2013, 123, 3272-3291.	8.2	333
6	Two New Loci for Body-Weight Regulation Identified in a Joint Analysis of Genome-Wide Association Studies for Early-Onset Extreme Obesity in French and German Study Groups. <i>PLoS Genetics</i> , 2010, 6, e1000916.	3.5	287
7	Hyperactivity in patients with anorexia nervosa and in semistarved rats: evidence for a pivotal role of hypoleptinemia. <i>Physiology and Behavior</i> , 2003, 79, 25-37.	2.1	221
8	Cold-Induced Recruitment of Brown Adipose Tissue Thermogenesis. <i>Experimental Physiology</i> , 2003, 88, 141-148.	2.0	214
9	Proteome Differences between Brown and White Fat Mitochondria Reveal Specialized Metabolic Functions. <i>Cell Metabolism</i> , 2009, 10, 324-335.	16.2	205
10	Leptin suppresses semi-starvation induced hyperactivity in rats: implications for anorexia nervosa. <i>Molecular Psychiatry</i> , 2000, 5, 476-481.	7.9	200
11	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , 2005, 2, 403-404.	19.0	176
12	Inflammation and mitochondrial fatty acid β -oxidation link obesity to early tumor promotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3354-3359.	7.1	174
13	Dietary fat and gut microbiota interactions determine diet-induced obesity in mice. <i>Molecular Metabolism</i> , 2016, 5, 1162-1174.	6.5	170
14	Modulation of leptin sensitivity by short photoperiod acclimation in the Djungarian hamster, <i>Phodopus sungorus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2000, 170, 37-43.	1.5	169
15	Secretin-Activated Brown Fat Mediates Prandial Thermogenesis to Induce Satiating. <i>Cell</i> , 2018, 175, 1561-1574.e12.	28.9	167
16	Uncoupling protein 1 expression and high-fat diets. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1-R8.	1.8	154
17	Meltome atlas thermal proteome stability across the tree of life. <i>Nature Methods</i> , 2020, 17, 495-503.	19.0	152
18	Photoperiod and Thermoregulation in Vertebrates: Body Temperature Rhythms and Thermogenic Acclimation. <i>Journal of Biological Rhythms</i> , 1989, 4, 139-153.	2.6	149

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19	Postprandial Oxidative Metabolism of Human Brown Fat Indicates Thermogenesis. <i>Cell Metabolism</i> , 2018, 28, 207-216.e3.	16.2	146
20	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , 2015, 47, 969-978.	21.4	137
21	Mitochondrial function controls intestinal epithelial stemness and proliferation. <i>Nature Communications</i> , 2016, 7, 13171.	12.8	134
22	Adaptive thermogenesis and thermal conductance in wild-type and UCP1-KO mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1396-R1406.	1.8	129
23	Mouse phenotyping. <i>Methods</i> , 2011, 53, 120-135.	3.8	128
24	Structural features and bioavailability of four flavonoids and their implications for lifespan-extending and antioxidant actions in <i>C. elegans</i> . <i>Mechanisms of Ageing and Development</i> , 2012, 133, 1-10.	4.6	125
25	Taking control over intracellular fatty acid levels is essential for the analysis of thermogenic function in cultured primary brown and brite/beige adipocytes. <i>EMBO Reports</i> , 2014, 15, 1069-1076.	4.5	123
26	3-Iodothyronamine: a novel hormone controlling the balance between glucose and lipid utilisation. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 167-177.	1.5	122
27	Short photoperiod reduces leptin gene expression in white and brown adipose tissue of Djungarian hamsters. <i>FEBS Letters</i> , 1996, 399, 290-294.	2.8	117
28	Leveraging Cross-Species Transcription Factor Binding Site Patterns: From Diabetes Risk Loci to Disease Mechanisms. <i>Cell</i> , 2014, 156, 343-358.	28.9	113
29	Uncoupling protein 1 in fish uncovers an ancient evolutionary history of mammalian nonshivering thermogenesis. <i>Physiological Genomics</i> , 2005, 22, 150-156.	2.3	111
30	Daily torpor in the Djungarian hamster (<i>Phodopus sungorus</i>): interactions with food intake, activity, and social behaviour. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1991, 160, 609-615.	1.5	110
31	Distinct signatures of host microbial meta-metabolome and gut microbiome in two C57BL/6 strains under high-fat diet. <i>ISME Journal</i> , 2014, 8, 2380-2396.	9.8	106
32	Non-invasive Measurement of Brown Fat Metabolism Based on Optoacoustic Imaging of Hemoglobin Gradients. <i>Cell Metabolism</i> , 2018, 27, 689-701.e4.	16.2	105
33	Restless Legs Syndrome-associated intronic common variant in <i>Meis1</i> alters enhancer function in the developing telencephalon. <i>Genome Research</i> , 2014, 24, 592-603.	5.5	102
34	Mitochondrial Dysfunction and Decrease in Body Weight of a Transgenic Knock-in Mouse Model for TDP-43. <i>Journal of Biological Chemistry</i> , 2014, 289, 10769-10784.	3.4	100
35	High-Fat Diet Accelerates Carcinogenesis in a Mouse Model of Barrett's Esophagus via Interleukin 8 and Alterations to the Gut Microbiome. <i>Gastroenterology</i> , 2019, 157, 492-506.e2.	1.3	100
36	High Fat Diet Accelerates Pathogenesis of Murine Crohn's Disease-Like Ileitis Independently of Obesity. <i>PLoS ONE</i> , 2013, 8, e71661.	2.5	96

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37	Glucocorticoid Hormone Stimulates Mitochondrial Biogenesis Specifically in Skeletal Muscle. <i>Endocrinology</i> , 2002, 143, 177-184.	2.8	94
38	Photoperiodic Regulation of Leptin Sensitivity in the Siberian Hamster, <i>Phodopus sungorus</i> , Is Reflected in Arcuate Nucleus SOCS-3 (Suppressor of Cytokine Signaling) Gene Expression. <i>Endocrinology</i> , 2004, 145, 1185-1193.	2.8	93
39	Non-adrenergic control of lipolysis and thermogenesis in adipose tissues. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	92
40	Seasonal Thermogenic Acclimation of Diurnally and Nocturnally Active Desert Spiny Mice. <i>Physiological and Biochemical Zoology</i> , 2000, 73, 37-44.	1.5	91
41	Requirement of the RNA-editing Enzyme ADAR2 for Normal Physiology in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 18614-18622.	3.4	91
42	Brown adipocyte glucose metabolism: a heated subject. <i>EMBO Reports</i> , 2018, 19, .	4.5	89
43	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. <i>Nature Communications</i> , 2017, 8, 155.	12.8	87
44	Peri-conceptual obesogenic exposure induces sex-specific programming of disease susceptibilities in adult mouse offspring. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 304-317.	3.8	84
45	Photoperiodic Regulation of Leptin Resistance in the Seasonally Breeding Siberian Hamster (<i>Phodopus</i>) Tj ETQq1 1 0.784314 rgBT /O	2.8	82
46	Biogenesis of thermogenic mitochondria in brown adipose tissue of Djungarian hamsters during cold adaptation. <i>Biochemical Journal</i> , 1996, 316, 607-613.	3.7	78
47	Marsupial uncoupling protein 1 sheds light on the evolution of mammalian nonshivering thermogenesis. <i>Physiological Genomics</i> , 2008, 32, 161-169.	2.3	76
48	Toxicity modelling of Plk1-targeted therapies in genetically engineered mice and cultured primary mammalian cells. <i>Nature Communications</i> , 2011, 2, 395.	12.8	76
49	A role for brain-derived neurotrophic factor in B cell development. <i>Journal of Neuroimmunology</i> , 2005, 163, 15-23.	2.3	75
50	Functional characterisation of UCP1 in the common carp: uncoupling activity in liver mitochondria and cold-induced expression in the brain. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2007, 177, 743-752.	1.5	73
51	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. <i>Nature Communications</i> , 2015, 6, 8261.	12.8	73
52	Differential gene expression in white and brown preadipocytes. <i>Physiological Genomics</i> , 2001, 7, 15-25.	2.3	70
53	Systemic First-Line Phenotyping. <i>Methods in Molecular Biology</i> , 2009, 530, 463-509.	0.9	70
54	Leptin Acts on Metabolism in a Photoperiod-Dependent Manner, But Has No Effect on Reproductive Function in the Seasonally Breeding Siberian Hamster (<i>Phodopus sungorus</i>)**This work was supported by a research grant awarded to A.S.I.L. and FRAC by the Biotechnology and Biological Sciences Research Council (United Kingdom) and a Biotechnology and Biological Sciences Research Council-supported Ph.D. studentship (to Z.A.) also supported in part by AstraZeneca Central Toxicology Laboratory (Cheshire, UK).. <i>Endocrinology</i> , 2000, 141, 4128-4135.	2.8	68

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55	Neuronal Expression of Glucosylceramide Synthase in Central Nervous System Regulates Body Weight and Energy Homeostasis. <i>PLoS Biology</i> , 2013, 11, e1001506.	5.6	68
56	Metabolic adjustments during daily torpor in the Djungarian hamster. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 276, E896-E906.	3.5	67
57	Molecular evolution of UCP1 and the evolutionary history of mammalian non-shivering thermogenesis. <i>BMC Evolutionary Biology</i> , 2009, 9, 4.	3.2	67
58	Functional Inactivation of the Genome-Wide Association Study Obesity Gene Neuronal Growth Regulator 1 in Mice Causes a Body Mass Phenotype. <i>PLoS ONE</i> , 2012, 7, e41537.	2.5	66
59	Limited OXPHOS capacity in white adipocytes is a hallmark of obesity in laboratory mice irrespective of the glucose tolerance status. <i>Molecular Metabolism</i> , 2015, 4, 631-642.	6.5	66
60	FTO Deficiency Induces UCP-1 Expression and Mitochondrial Uncoupling in Adipocytes. <i>Endocrinology</i> , 2013, 154, 3141-3151.	2.8	65
61	Metabolic Phenotyping of the Crohn's Disease-like IBD Etiopathology in the TNF ^{ΔARE/WT} Mouse Model. <i>Journal of Proteome Research</i> , 2011, 10, 5523-5535.	3.7	63
62	Revisiting energy expenditure: how to correct mouse metabolic rate for body mass. <i>Nature Metabolism</i> , 2021, 3, 1134-1136.	11.9	63
63	Cytochrome <i>c</i> oxidase subunit 4 isoform 2 knockout mice show reduced enzyme activity, airway hyporeactivity, and lung pathology. <i>FASEB Journal</i> , 2012, 26, 3916-3930.	0.5	62
64	PASylation of Murine Leptin Leads to Extended Plasma Half-Life and Enhanced <i>in Vivo</i> Efficacy. <i>Molecular Pharmaceutics</i> , 2015, 12, 1431-1442.	4.6	62
65	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , 2018, 9, 288.	12.8	59
66	The effects of fasting and cold exposure on metabolic rate and mitochondrial proton leak in liver and skeletal muscle of an amphibian, the cane toad <i>Bufo marinus</i> . <i>Journal of Experimental Biology</i> , 2008, 211, 1911-1918.	1.7	58
67	Evidence for Nr4a1 as a cold-induced effector of brown fat thermogenesis. <i>Physiological Genomics</i> , 2006, 24, 37-44.	2.3	57
68	An ancient look at UCP1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 637-641.	1.0	57
69	Inverse relationship between body mass index and mitochondrial oxidative phosphorylation capacity in human subcutaneous adipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E380-E387.	3.5	57
70	Control of adipogenesis by oxylipins, GPCRs and PPARs. <i>Biochimie</i> , 2017, 136, 3-11.	2.6	57
71	The German Mouse Clinic: A Platform for Systemic Phenotype Analysis of Mouse Models. <i>Current Pharmaceutical Biotechnology</i> , 2009, 10, 236-243.	1.6	56
72	Large-Scale Phenotyping of an Accurate Genetic Mouse Model of JNCL Identifies Novel Early Pathology Outside the Central Nervous System. <i>PLoS ONE</i> , 2012, 7, e38310.	2.5	56

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73	Normal Distribution of Body Weight Gain in Male Spragueâ€Dawley Rats Fed a Highâ€Energy Diet. <i>Obesity</i> , 2003, 11, 1376-1383.	4.0	54
74	Nuclear receptor cofactor receptor interacting protein 140 controls hepatic triglyceride metabolism during wasting in mice. <i>Hepatology</i> , 2008, 48, 782-791.	7.3	54
75	A paternal methyl donor-rich diet altered cognitive and neural functions in offspring mice. <i>Molecular Psychiatry</i> , 2018, 23, 1345-1355.	7.9	53
76	The exceptional sensitivity of brain mitochondria to copper. <i>Toxicology in Vitro</i> , 2018, 51, 11-22.	2.4	52
77	High-Fat Diet Induced Isoform Changes of the Parkinsonâ€™s Disease Protein DJ-1. <i>Journal of Proteome Research</i> , 2014, 13, 2339-2351.	3.7	50
78	Impact of dietary 1% polyunsaturated fatty acid supplementation on brown and white adipocyte function. <i>Journal of Lipid Research</i> , 2018, 59, 452-461.	4.2	50
79	Loss of the Actin Remodeler Eps8 Causes Intestinal Defects and Improved Metabolic Status in Mice. <i>PLoS ONE</i> , 2010, 5, e9468.	2.5	50
80	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. <i>PLoS Biology</i> , 2018, 16, e2005019.	5.6	48
81	Chicken ovalbumin upstream promoter transcription factor II regulates uncoupling protein 3 gene transcription in <i>Phodopus sungorus</i> . <i>BMC Molecular Biology</i> , 2007, 8, 1.	3.0	47
82	Circulating Ghrelin Levels and Central Ghrelin Receptor Expression are Elevated in Response to Food Deprivation in a Seasonal Mammal <i><i>(Phodopus sungorus)</i></i> . <i>Journal of Neuroendocrinology</i> , 2004, 16, 922-928.	2.6	46
83	Functional characterization of UCP1 in mammalian HEK293 cells excludes mitochondrial uncoupling artefacts and reveals no contribution to basal proton leak. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1660-1670.	1.0	46
84	A Novel Missense Mutation in the Mouse Growth Hormone Gene Causes Semidominant Dwarfism, Hyperghrelinemia, and Obesity. <i>Endocrinology</i> , 2004, 145, 2531-2541.	2.8	45
85	Limited Mitochondrial Capacity of Visceral Versus Subcutaneous White Adipocytes in Male C57BL/6N Mice. <i>Endocrinology</i> , 2015, 156, 923-933.	2.8	45
86	Browning attenuates murine white adipose tissue expansion during postnatal development. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 960-968.	2.4	44
87	A novel <i><i>N</i></i> â€ethylâ€ <i><i>N</i></i> â€nitrosoureaâ€induced mutation in <i><i>phospholipase CÎ³2</i></i> causes inflammatory arthritis, metabolic defects, and male infertility in vitro in a murine model. <i>Arthritis and Rheumatism</i> , 2011, 63, 1301-1311.	6.7	43
88	The role of the IGF-I system for vitellogenesis in maturing female sterlet, <i>Acipenser ruthenus</i> Linnaeus, 1758. <i>General and Comparative Endocrinology</i> , 2007, 150, 140-150.	1.8	42
89	Novel missense mutation of uromodulin in mice causes renal dysfunction with alterations in urea handling, energy, and bone metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F1391-F1398.	2.7	41
90	Comparative gene array analysis of progenitor cells from human paired deep neck and subcutaneous adipose tissue. <i>Molecular and Cellular Endocrinology</i> , 2014, 395, 41-50.	3.2	41

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91	Secretin activates brown fat and induces satiation. <i>Nature Metabolism</i> , 2021, 3, 798-809.	11.9	41
92	PC1/3 and PC2 Gene Expression and Posttranslational Endoproteolytic Proopiomelanocortin Processing is Regulated by Photoperiod in the Seasonal Siberian Hamster (<i>Phodopus sungorus</i>). <i>Journal of Neuroendocrinology</i> , 2006, 18, 413-425.	2.6	40
93	Innovations in phenotyping of mouse models in the German Mouse Clinic. <i>Mammalian Genome</i> , 2012, 23, 611-622.	2.2	40
94	Active Brown Fat During ¹⁸ F-FDG PET/CT Imaging Defines a Patient Group with Characteristic Traits and an Increased Probability of Brown Fat Redetection. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1104-1110.	5.0	39
95	Spatiotemporal GLP-1 and GIP receptor signaling and trafficking/recycling dynamics induced by selected receptor mono- and dual-agonists. <i>Molecular Metabolism</i> , 2021, 49, 101181.	6.5	39
96	Functional compensation among HMGN variants modulates the DNase I hypersensitive sites at enhancers. <i>Genome Research</i> , 2015, 25, 1295-1308.	5.5	38
97	Rescue of Melanocortin 4 Receptor (MC4R) Nonsense Mutations by Aminoglycoside-Mediated Readthrough. <i>Obesity</i> , 2012, 20, 1074-1081.	3.0	37
98	Intrinsic differences in BRITE adipogenesis of primary adipocytes from two different mouse strains. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1345-1352.	2.4	37
99	A dual Ucp1 reporter mouse model for imaging and quantitation of brown and brite fat recruitment. <i>Molecular Metabolism</i> , 2019, 20, 14-27.	6.5	37
100	Microphthalmia, parkinsonism, and enhanced nociception in Pitx3 416insG mice. <i>Mammalian Genome</i> , 2010, 21, 13-27.	2.2	36
101	A Broad Phenotypic Screen Identifies Novel Phenotypes Driven by a Single Mutant Allele in Huntington's Disease CAG Knock-In Mice. <i>PLoS ONE</i> , 2013, 8, e80923.	2.5	36
102	Uncoupling protein 1 and the capacity for nonshivering thermogenesis are components of the glucose homeostatic system. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E198-E215.	3.5	36
103	Gene or Size: Metabolic Rate and Body Temperature in Obese Growth Hormone-Deficient Dwarf Mice. <i>Obesity</i> , 2004, 12, 1509-1518.	4.0	35
104	CIN85 regulates dopamine receptor endocytosis and governs behaviour in mice. <i>EMBO Journal</i> , 2010, 29, 2421-2432.	7.8	34
105	Tissue-Specific Expression and Cold-Induced mRNA Levels of Uncoupling Proteins in the Djungarian Hamster. <i>Physiological and Biochemical Zoology</i> , 2001, 74, 203-211.	1.5	33
106	Neuronal distribution of melanin-concentrating hormone, cocaine- and amphetamine-regulated transcript and orexin B in the brain of the Djungarian hamster (<i>Phodopus sungorus</i>). <i>Journal of Chemical Neuroanatomy</i> , 2005, 29, 137-148.	2.1	33
107	Neurobeachin, a Regulator of Synaptic Protein Targeting, Is Associated with Body Fat Mass and Feeding Behavior in Mice and Body-Mass Index in Humans. <i>PLoS Genetics</i> , 2012, 8, e1002568.	3.5	33
108	Long-term proteasomal inhibition in transgenic mice by UBB+1 expression results in dysfunction of central respiration control reminiscent of brainstem neuropathology in Alzheimer patients. <i>Acta Neuropathologica</i> , 2012, 124, 187-197.	7.7	33

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109	Photoperiodic Regulation of Leptin Resistance in the Seasonally Breeding Siberian Hamster (<i>Phodopus</i>) Tj ETQq1 1.0.784314.rgBT /Over	2.8	33
110	The brown and brite adipocyte marker Cox7a1 is not required for non-shivering thermogenesis in mice. <i>Scientific Reports</i> , 2015, 5, 17704.	3.3	31
111	Diet-induced obesity causes metabolic impairment independent of alterations in gut barrier integrity. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 968-978.	3.3	31
112	Reduced mitochondrial mass and function add to age-related susceptibility toward diet-induced fatty liver in C57BL/6J mice. <i>Physiological Reports</i> , 2016, 4, e12988.	1.7	31
113	Understanding gene functions and disease mechanisms: Phenotyping pipelines in the German Mouse Clinic. <i>Behavioural Brain Research</i> , 2018, 352, 187-196.	2.2	31
114	The Suppressor of Cytokine Signalling 3, SOCS3, may be One Critical Modulator of Seasonal Body Weight Changes in the Siberian Hamster, <i>Phodopus sungorus</i> . <i>Journal of Neuroendocrinology</i> , 2006, 18, 139-145.	2.6	30
115	Phylogenetic differences of mammalian basal metabolic rate are not explained by mitochondrial basal proton leak. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 185-193.	2.6	30
116	Mutation screen in the GWAS derived obesity gene SH2B1 including functional analyses of detected variants. <i>BMC Medical Genomics</i> , 2012, 5, 65.	1.5	30
117	The lipidome of primary murine white, brite, and brown adipocytes—Impact of beta-adrenergic stimulation. <i>PLoS Biology</i> , 2019, 17, e3000412.	5.6	30
118	Loss of UCP1 function augments recruitment of futile lipid cycling for thermogenesis in murine brown fat. <i>Molecular Metabolism</i> , 2022, 61, 101499.	6.5	30
119	Altered Gene Expression Pattern in the Fatty Liver Dystrophy Mouse Reveals Impaired Insulin-mediated Cytoskeleton Dynamics. <i>Journal of Biological Chemistry</i> , 1999, 274, 23078-23084.	3.4	29
120	Uncoupling protein 2 and 3 in marsupials: identification, phylogeny, and gene expression in response to cold and fasting in <i>Antechinus flavipes</i> . <i>Physiological Genomics</i> , 2004, 17, 130-139.	2.3	29
121	Diet-induced obesity in <i>ad libitum</i> -fed mice: food texture overrides the effect of macronutrient composition. <i>British Journal of Nutrition</i> , 2013, 109, 1518-1527.	2.3	29
122	The molecular and biochemical basis of nonshivering thermogenesis in an African endemic mammal, <i>Elephantulus myurus</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R2120-R2127.	1.8	28
123	Long-Acting PASylated Leptin Ameliorates Obesity by Promoting Satiety and Preventing Hypometabolism in Leptin-Deficient <i>Lepob/ob</i> Mice. <i>Endocrinology</i> , 2016, 157, 233-244.	2.8	27
124	Mitochondrial DNA Variants in Obesity. <i>PLoS ONE</i> , 2014, 9, e94882.	2.5	26
125	Comparison of particle-exposure triggered pulmonary and systemic inflammation in mice fed with three different diets. <i>Particle and Fibre Toxicology</i> , 2011, 8, 30.	6.2	25
126	<i>Meis1</i> effects on motor phenotypes and the sensorimotor system in mice. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 981-991.	2.4	25

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127	SMC6 is an essential gene in mice, but a hypomorphic mutant in the ATPase domain has a mild phenotype with a range of subtle abnormalities. <i>DNA Repair</i> , 2013, 12, 356-366.	2.8	24
128	White, brite, and brown adipocytes: the evolution and function of a heater organ in mammals. <i>Canadian Journal of Zoology</i> , 2014, 92, 615-626.	1.0	24
129	Metformin causes a futile intestinal-hepatic cycle which increases energy expenditure and slows down development of a type 2 diabetes-like state. <i>Molecular Metabolism</i> , 2017, 6, 737-747.	6.5	24
130	Disturbed gut microbiota and bile homeostasis in <i>Giardia</i> -infected mice contributes to metabolic dysregulation and growth impairment. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	24
131	Meaningful respirometric measurements of UCP1-mediated thermogenesis. <i>Biochimie</i> , 2017, 134, 56-61.	2.6	23
132	The Role of Fibroblast Growth Factor-Binding Protein 1 in Skin Carcinogenesis and Inflammation. <i>Journal of Investigative Dermatology</i> , 2018, 138, 179-188.	0.7	23
133	Substrate fluxes in brown adipocytes upon adrenergic stimulation and uncoupling protein 1 ablation. <i>Life Science Alliance</i> , 2018, 1, e201800136.	2.8	23
134	Effect of unilateral surgical denervation of brown adipose tissue on uncoupling protein mRNA level and cytochrom-c-oxidase activity in the Djungarian hamster. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1994, 163, 664-670.	1.5	22
135	Depression of transcription and translation during daily torpor in the Djungarian hamster (<i>Phodopus</i>) Tj ETQq1 1 0.784314 rgBT /Over Physiology, 2004, 174, 495-502.	1.5	22
136	The hepatic phosphatidylcholine transporter ABCB4 as modulator of glucose homeostasis. <i>FASEB Journal</i> , 2012, 26, 5081-5091.	0.5	22
137	Effects of diet-matrix on volatile organic compounds in breath in diet-induced obese mice. <i>Journal of Breath Research</i> , 2014, 8, 016004.	3.0	22
138	Leptin Acts on Metabolism in a Photoperiod-Dependent Manner, But Has No Effect on Reproductive Function in the Seasonally Breeding Siberian Hamster (<i>Phodopus sungorus</i>). <i>Endocrinology</i> , 2000, 141, 4128-4135.	2.8	22
139	Brown adipose tissue specific lack of uncoupling protein 3 is associated with impaired cold tolerance and reduced transcript levels of metabolic genes. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008, 178, 269-277.	1.5	21
140	Behavioural mechanisms affecting energy regulation in mice prone or resistant to diet- induced obesity. <i>Physiology and Behavior</i> , 2010, 99, 370-380.	2.1	21
141	Brown Fat Develops a <i>Brite</i> Future. <i>Obesity Facts</i> , 2012, 5, 890-896.	3.4	21
142	Teneurin-2 (TENM2) deficiency induces UCP1 expression in differentiating human fat cells. <i>Molecular and Cellular Endocrinology</i> , 2017, 443, 106-113.	3.2	21
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