

# Martin Klingenspor

## List of Publications by Citations

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236  
papers

10,450  
citations

54  
h-index

93  
g-index

251  
ext. papers

12,157  
ext. citations

6.8  
avg, IF

5.86  
L-index

#	Paper	IF	Citations
236	Defective lipolysis and altered energy metabolism in mice lacking adipose triglyceride lipase. <i>Science</i> , <b>2006</b> , 312, 734-7	33.3	978
235	A humanized version of Foxp2 affects cortico-basal ganglia circuits in mice. <i>Cell</i> , <b>2009</b> , 137, 961-71	56.2	427
234	Cyclooxygenase-2 controls energy homeostasis in mice by de novo recruitment of brown adipocytes. <i>Science</i> , <b>2010</b> , 328, 1158-61	33.3	355
233	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , <b>2018</b> , 14, 140-162	15.2	330
232	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 3272-91	15.9	267
231	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> , <b>2010</b> , 6, e1000916	6	250
230	Hyperactivity in patients with anorexia nervosa and in semistarved rats: evidence for a pivotal role of hypoleptinemia. <i>Physiology and Behavior</i> , <b>2003</b> , 79, 25-37	3.5	182
229	Cold-induced recruitment of brown adipose tissue thermogenesis. <i>Experimental Physiology</i> , <b>2003</b> , 88, 141-8	2.4	179
228	Leptin suppresses semi-starvation induced hyperactivity in rats: implications for anorexia nervosa. <i>Molecular Psychiatry</i> , <b>2000</b> , 5, 476-81	15.1	162
227	Proteome differences between brown and white fat mitochondria reveal specialized metabolic functions. <i>Cell Metabolism</i> , <b>2009</b> , 10, 324-35	24.6	158
226	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , <b>2005</b> , 2, 403-4	21.6	148
225	Inflammation and mitochondrial fatty acid beta-oxidation link obesity to early tumor promotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 3354-9	11.5	147
224	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> , <b>2000</b> , 170, 37-43	2.2	144
223	Uncoupling protein 1 expression and high-fat diets. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 300, R1-8	3.2	128
222	Photoperiod and Thermoregulation in Vertebrates: Body Temperature Rhythms and Thermogenic Acclimation. <i>Journal of Biological Rhythms</i> , <b>1989</b> , 4, 139-153	3.2	119
221	Adaptive thermogenesis and thermal conductance in wild-type and UCP1-KO mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2010</b> , 299, R1396-406	3.2	111
220	Dietary fat and gut microbiota interactions determine diet-induced obesity in mice. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 1162-1174	8.8	108

219	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> , <b>2014</b> , 15, 1069-76	6.5	107
218	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , <b>2015</b> , 47, 969-978	36.3	106
217	Secretin-Activated Brown Fat Mediates Prandial Thermogenesis to Induce Satiation. <i>Cell</i> , <b>2018</b> , 175, 1561-1574.e12	16.2	105
216	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> , <b>2008</b> , 178, 167-77	2.2	105
215	Uncoupling protein 1 in fish uncovers an ancient evolutionary history of mammalian nonshivering thermogenesis. <i>Physiological Genomics</i> , <b>2005</b> , 22, 150-6	3.6	105
214	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> , <b>2012</b> , 133, 1-10	5.6	104
213	Mouse phenotyping. <i>Methods</i> , <b>2011</b> , 53, 120-35	4.6	103
212	Postprandial Oxidative Metabolism of Human Brown Fat Indicates Thermogenesis. <i>Cell Metabolism</i> , <b>2018</b> , 28, 207-216.e3	24.6	99
211	Leveraging cross-species transcription factor binding site patterns: from diabetes risk loci to disease mechanisms. <i>Cell</i> , <b>2014</b> , 156, 343-58	56.2	96
210	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> , <b>1991</b> , 160, 609-615	2.2	96
209	Short photoperiod reduces leptin gene expression in white and brown adipose tissue of Djungarian hamsters. <i>FEBS Letters</i> , <b>1996</b> , 399, 290-4	3.8	94
208	Mitochondrial function controls intestinal epithelial stemness and proliferation. <i>Nature Communications</i> , <b>2016</b> , 7, 13171	17.4	93
207	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> , <b>2004</b> , 145, 1185-93	4.8	90
206	Seasonal thermogenic acclimation of diurnally and nocturnally active desert spiny mice. <i>Physiological and Biochemical Zoology</i> , <b>2000</b> , 73, 37-44	2	88
205	Distinct signatures of host-microbial meta-metabolome and gut microbiome in two C57BL/6 strains under high-fat diet. <i>ISME Journal</i> , <b>2014</b> , 8, 2380-96	11.9	87
204	Restless legs syndrome-associated intronic common variant in <i>Meis1</i> alters enhancer function in the developing telencephalon. <i>Genome Research</i> , <b>2014</b> , 24, 592-603	9.7	79
203	High fat diet accelerates pathogenesis of murine Crohn's disease-like ileitis independently of obesity. <i>PLoS ONE</i> , <b>2013</b> , 8, e71661	3.7	78
202	Photoperiodic regulation of leptin resistance in the seasonally breeding Siberian hamster ( <i>Phodopus sungorus</i> ). <i>Endocrinology</i> , <b>2002</b> , 143, 3083-95	4.8	76

201	Non-invasive Measurement of Brown Fat Metabolism Based on Optoacoustic Imaging of Hemoglobin Gradients. <i>Cell Metabolism</i> , <b>2018</b> , 27, 689-701.e4	24.6	75
200	Glucocorticoid hormone stimulates mitochondrial biogenesis specifically in skeletal muscle. <i>Endocrinology</i> , <b>2002</b> , 143, 177-84	4.8	75
199	Biogenesis of thermogenic mitochondria in brown adipose tissue of Djungarian hamsters during cold adaptation. <i>Biochemical Journal</i> , <b>1996</b> , 316 ( Pt 2), 607-13	3.8	73
198	Mitochondrial dysfunction and decrease in body weight of a transgenic knock-in mouse model for TDP-43. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 10769-10784	5.4	72
197	Marsupial uncoupling protein 1 sheds light on the evolution of mammalian nonshivering thermogenesis. <i>Physiological Genomics</i> , <b>2008</b> , 32, 161-9	3.6	70
196	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> , <b>2014</b> , 1842, 304-17	6.9	68
195	Toxicity modelling of Plk1-targeted therapies in genetically engineered mice and cultured primary mammalian cells. <i>Nature Communications</i> , <b>2011</b> , 2, 395	17.4	67
194	Systemic first-line phenotyping. <i>Methods in Molecular Biology</i> , <b>2009</b> , 530, 463-509	1.4	67
193	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> , <b>2007</b> , 177, 743-52	2.2	65
192	A role for brain-derived neurotrophic factor in B cell development. <i>Journal of Neuroimmunology</i> , <b>2005</b> , 163, 15-23	3.5	65
191	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> , <b>2000</b> , 141, 4128-35	4.8	65
190	Requirement of the RNA-editing enzyme ADAR2 for normal physiology in mice. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 18614-22	5.4	64
189	Molecular evolution of UCP1 and the evolutionary history of mammalian non-shivering thermogenesis. <i>BMC Evolutionary Biology</i> , <b>2009</b> , 9, 4	3	63
188	Differential gene expression in white and brown preadipocytes. <i>Physiological Genomics</i> , <b>2001</b> , 7, 15-25	3.6	63
187	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. <i>Nature Communications</i> , <b>2015</b> , 6, 8261	17.4	60
186	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. <i>Nature Communications</i> , <b>2017</b> , 8, 155	17.4	60
185	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> , <b>2019</b> , 157, 492-506.e2	13.3	58
184	Metabolic phenotyping of the Crohn's disease-like IBD etiopathology in the TNF(ΔRE/WT) mouse model. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 5523-35	5.6	57

183	Non-adrenergic control of lipolysis and thermogenesis in adipose tissues. <i>Journal of Experimental Biology</i> , <b>2018</b> , 221,	3	56
182	Brown adipocyte glucose metabolism: a heated subject. <i>EMBO Reports</i> , <b>2018</b> , 19,	6.5	54
181	PASylation of Murine Leptin Leads to Extended Plasma Half-Life and Enhanced in Vivo Efficacy. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 1431-42	5.6	53
180	Meltome atlas-thermal proteome stability across the tree of life. <i>Nature Methods</i> , <b>2020</b> , 17, 495-503	21.6	53
179	Cytochrome c oxidase subunit 4 isoform 2-knockout mice show reduced enzyme activity, airway hyporeactivity, and lung pathology. <i>FASEB Journal</i> , <b>2012</b> , 26, 3916-30	0.9	53
178	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> , <b>2012</b> , 7, e41537	3.7	53
177	FTO deficiency induces UCP-1 expression and mitochondrial uncoupling in adipocytes. <i>Endocrinology</i> , <b>2013</b> , 154, 3141-51	4.8	52
176	An ancient look at UCP1. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2008</b> , 1777, 637-41	4.6	52
175	Metabolic adjustments during daily torpor in the Djungarian hamster. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1999</b> , 276, E896-906	6	51
174	Neuronal expression of glucosylceramide synthase in central nervous system regulates body weight and energy homeostasis. <i>PLoS Biology</i> , <b>2013</b> , 11, e1001506	9.7	50
173	Evidence for Nr4a1 as a cold-induced effector of brown fat thermogenesis. <i>Physiological Genomics</i> , <b>2005</b> , 24, 37-44	3.6	50
172	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> , <b>2008</b> , 211, 1911-8	3	49
171	Large-scale phenotyping of an accurate genetic mouse model of JNCL identifies novel early pathology outside the central nervous system. <i>PLoS ONE</i> , <b>2012</b> , 7, e38310	3.7	49
170	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , <b>2018</b> , 9, 288	17.4	48
169	Normal distribution of body weight gain in male Sprague-Dawley rats fed a high-energy diet. <i>Obesity</i> , <b>2003</b> , 11, 1376-83		47
168	The German Mouse Clinic: a platform for systemic phenotype analysis of mouse models. <i>Current Pharmaceutical Biotechnology</i> , <b>2009</b> , 10, 236-43	2.6	45
167	Nuclear receptor cofactor receptor interacting protein 140 controls hepatic triglyceride metabolism during wasting in mice. <i>Hepatology</i> , <b>2008</b> , 48, 782-91	11.2	45
166	Circulating ghrelin levels and central ghrelin receptor expression are elevated in response to food deprivation in a seasonal mammal ( <i>Phodopus sungorus</i> ). <i>Journal of Neuroendocrinology</i> , <b>2004</b> , 16, 922-8	3.8	44

165	Control of adipogenesis by oxylipins, GPCRs and PPARs. <i>Biochimie</i> , <b>2017</b> , 136, 3-11	4.6	43
164	Inverse relationship between body mass index and mitochondrial oxidative phosphorylation capacity in human subcutaneous adipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 309, E380-7	6	43
163	A novel missense mutation in the mouse growth hormone gene causes semidominant dwarfism, hyperghrelinemia, and obesity. <i>Endocrinology</i> , <b>2004</b> , 145, 2531-41	4.8	42
162	High-fat diet induced isoform changes of the Parkinson's disease protein DJ-1. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 2339-51	5.6	39
161	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> , <b>2012</b> , 1817, 1660-70	4.6	39
160	PC1/3 and PC2 gene expression and post-translational endoproteolytic pro-opiomelanocortin processing is regulated by photoperiod in the seasonal Siberian hamster ( <i>Phodopus sungorus</i> ). <i>Journal of Neuroendocrinology</i> , <b>2006</b> , 18, 413-25	3.8	39
159	Loss of the actin remodeler Eps8 causes intestinal defects and improved metabolic status in mice. <i>PLoS ONE</i> , <b>2010</b> , 5, e9468	3.7	39
158	Impact of dietary $\beta$ polyunsaturated fatty acid supplementation on brown and white adipocyte function. <i>Journal of Lipid Research</i> , <b>2018</b> , 59, 452-461	6.3	38
157	A paternal methyl donor-rich diet altered cognitive and neural functions in offspring mice. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 1345-1355	15.1	38
156	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> , <b>2007</b> , 150, 140-50	3	38
155	Limited OXPHOS capacity in white adipocytes is a hallmark of obesity in laboratory mice irrespective of the glucose tolerance status. <i>Molecular Metabolism</i> , <b>2015</b> , 4, 631-42	8.8	35
154	Innovations in phenotyping of mouse models in the German Mouse Clinic. <i>Mammalian Genome</i> , <b>2012</b> , 23, 611-22	3.2	35
153	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> , <b>2009</b> , 297, F1391-8	4.3	35
152	A novel N-ethyl-N-nitrosourea-induced mutation in phospholipase C $\alpha$ causes inflammatory arthritis, metabolic defects, and male infertility in vitro in a murine model. <i>Arthritis and Rheumatism</i> , <b>2011</b> , 63, 1301-11		33
151	Tissue-specific expression and cold-induced mRNA levels of uncoupling proteins in the Djungarian hamster. <i>Physiological and Biochemical Zoology</i> , <b>2001</b> , 74, 203-11	2	33
150	Active Brown Fat During 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> , <b>2017</b> , 58, 1104-1110	8.9	32
149	Gene or size: metabolic rate and body temperature in obese growth hormone-deficient dwarf mice. <i>Obesity</i> , <b>2004</b> , 12, 1509-18		32
148	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> , <b>2014</b> , 1841, 1345-52	5	31

147	Microphthalmia, parkinsonism, and enhanced nociception in Pitx3 (416insG) mice. <i>Mammalian Genome</i> , <b>2010</b> , 21, 13-27	3.2	31
146	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> , <b>2005</b> , 29, 137-48	3.2	31
145	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> , <b>2013</b> , 8, e80923	3.7	30
144	CIN85 regulates dopamine receptor endocytosis and governs behaviour in mice. <i>EMBO Journal</i> , <b>2010</b> , 29, 2421-32	13	30
143	Photoperiodic Regulation of Leptin Resistance in the Seasonally Breeding Siberian Hamster ( <i>Phodopus sungorus</i> )		30
142	Rescue of melanocortin 4 receptor (MC4R) nonsense mutations by aminoglycoside-mediated read-through. <i>Obesity</i> , <b>2012</b> , 20, 1074-81	8	29
141	Browning attenuates murine white adipose tissue expansion during postnatal development. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2013</b> , 1831, 960-8	5	29
140	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> , <b>2006</b> , 18, 139-45	3.8	29
139	Diet-induced obesity causes metabolic impairment independent of alterations in gut barrier integrity. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 968-78	5.9	28
138	Functional compensation among HMGN variants modulates the DNase I hypersensitive sites at enhancers. <i>Genome Research</i> , <b>2015</b> , 25, 1295-308	9.7	28
137	The exceptional sensitivity of brain mitochondria to copper. <i>Toxicology in Vitro</i> , <b>2018</b> , 51, 11-22	3.6	28
136	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> , <b>2012</b> , 8, e1002568	6	28
135	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. <i>PLoS Biology</i> , <b>2018</b> , 16, e2005019	9.7	28
134	Comparative gene array analysis of progenitor cells from human paired deep neck and subcutaneous adipose tissue. <i>Molecular and Cellular Endocrinology</i> , <b>2014</b> , 395, 41-50	4.4	27
133	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> , <b>2004</b> , 17, 130-9	3.6	27
132	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> , <b>2007</b> , 293, R2120-7	3.2	26
131	A dual Ucp1 reporter mouse model for imaging and quantitation of brown and brite fat recruitment. <i>Molecular Metabolism</i> , <b>2019</b> , 20, 14-27	8.8	26
130	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> , <b>2012</b> , 279, 185-93	4.4	25

129	Chicken ovalbumin upstream promoter transcription factor II regulates uncoupling protein 3 gene transcription in <i>Phodopus sungorus</i> . <i>BMC Molecular Biology</i> , <b>2007</b> , 8, 1	4.5	25
128	Limited mitochondrial capacity of visceral versus subcutaneous white adipocytes in male C57BL/6N mice. <i>Endocrinology</i> , <b>2015</b> , 156, 923-33	4.8	24
127	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> , <b>2012</b> , 124, 187-97	14.3	24
126	Diet-induced obesity in ad libitum-fed mice: food texture overrides the effect of macronutrient composition. <i>British Journal of Nutrition</i> , <b>2013</b> , 109, 1518-27	3.6	24
125	Comparison of particle-exposure triggered pulmonary and systemic inflammation in mice fed with three different diets. <i>Particle and Fibre Toxicology</i> , <b>2011</b> , 8, 30	8.4	24
124	Altered gene expression pattern in the fatty liver dystrophy mouse reveals impaired insulin-mediated cytoskeleton dynamics. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 23078-84	5.4	24
123	Reduced mitochondrial mass and function add to age-related susceptibility toward diet-induced fatty liver in C57BL/6J mice. <i>Physiological Reports</i> , <b>2016</b> , 4, e12988	2.6	22
122	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> , <b>2013</b> , 12, 356-66	4.3	22
121	The brown and brite adipocyte marker <i>Cox7a1</i> is not required for non-shivering thermogenesis in mice. <i>Scientific Reports</i> , <b>2015</b> , 5, 17704	4.9	22
120	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> , <b>1994</b> , 163, 664-70	2.2	22
119	Mutation screen in the GWAS derived obesity gene SH2B1 including functional analyses of detected variants. <i>BMC Medical Genomics</i> , <b>2012</b> , 5, 65	3.7	21
118	Meaningful respirometric measurements of UCP1-mediated thermogenesis. <i>Biochimie</i> , <b>2017</b> , 134, 56-61	4.6	20
117	Long-Acting PASylated Leptin Ameliorates Obesity by Promoting Satiety and Preventing Hypometabolism in Leptin-Deficient <i>Lep(ob/ob)</i> Mice. <i>Endocrinology</i> , <b>2016</b> , 157, 233-44	4.8	20
116	Behavioural mechanisms affecting energy regulation in mice prone or resistant to diet- induced obesity. <i>Physiology and Behavior</i> , <b>2010</b> , 99, 370-80	3.5	20
115	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> , <b>2020</b> , 318, E198-E215	6	20
114	Effects of diet-matrix on volatile organic compounds in breath in diet-induced obese mice. <i>Journal of Breath Research</i> , <b>2014</b> , 8, 016004	3.1	19
113	The hepatic phosphatidylcholine transporter ABCB4 as modulator of glucose homeostasis. <i>FASEB Journal</i> , <b>2012</b> , 26, 5081-91	0.9	19
112	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> , <b>2008</b> , 178, 269-77	2.2	19



111	Depression of transcription and translation during daily torpor in the Djungarian hamster ( <i>Phodopus sungorus</i> ). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2004</b> , 174, 495-502	2.2	19
110	The lipidome of primary murine white, brite, and brown adipocytes-Impact of beta-adrenergic stimulation. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000412	9.7	18
109	A functional nexus between photoperiod acclimation, torpor expression and somatic fatty acid composition in a heterothermic mammal. <i>PLoS ONE</i> , <b>2013</b> , 8, e63803	3.7	18
108	: effects on motor phenotypes and the sensorimotor system in mice. <i>DMM Disease Models and Mechanisms</i> , <b>2017</b> , 10, 981-991	4.1	17
107	White, brite, and brown adipocytes: the evolution and function of a heater organ in mammals. <i>Canadian Journal of Zoology</i> , <b>2014</b> , 92, 615-626	1.5	17
106	Substrate fluxes in brown adipocytes upon adrenergic stimulation and uncoupling protein 1 ablation. <i>Life Science Alliance</i> , <b>2018</b> , 1, e201800136	5.8	17
105	2-O-ED-Glucopyranosyl-carboxyatractyligenin from <i>Coffea L.</i> inhibits adenine nucleotide translocase in isolated mitochondria but is quantitatively degraded during coffee roasting. <i>Phytochemistry</i> , <b>2013</b> , 93, 124-35	4	16
104	High energy digestion efficiency and altered lipid metabolism contribute to obesity in BFMI mice. <i>Obesity</i> , <b>2009</b> , 17, 1988-93	8	16
103	Power matters in closing the phenotyping gap. <i>Die Naturwissenschaften</i> , <b>2007</b> , 94, 401-6	2	16
102	Glucocorticoid Hormone Stimulates Mitochondrial Biogenesis Specifically in Skeletal Muscle		16
101	Mitochondrial DNA variants in obesity. <i>PLoS ONE</i> , <b>2014</b> , 9, e94882	3.7	16
100	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> , <b>2017</b> , 6, 737-747	8.8	15
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