

# 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	Novel effects of the gastrointestinal hormone secretin on cardiac metabolism and renal function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E54-E62.	3.5	3
2	Bis-choline tetrathiomolybdate prevents copper-induced blood-brain barrier damage. <i>Life Science Alliance</i> , 2022, 5, e202101164.	2.8	11
3	Susceptibility to diet-induced obesity at thermoneutral conditions is independent of UCP1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E85-E100.	3.5	14
4	EBI2 is a negative modulator of brown adipose tissue energy expenditure in mice and human brown adipocytes. <i>Communications Biology</i> , 2022, 5, 280.	4.4	2
5	When fat meets the gut-focus on intestinal lipid handling in metabolic health and disease. <i>EMBO Molecular Medicine</i> , 2022, 14, e14742.	6.9	14
6	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
7	Uncoupling protein-1 expression does not protect mice from diet-induced obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E333-E345.	3.5	13
8	No Effect of Dietary Fish Oil Supplementation on the Recruitment of Brown and Brite Adipocytes in Mice or Humans under Thermoneutral Conditions. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000681.	3.3	6
9	Fibroblast growth factor induced <i>Ucp1</i> expression in preadipocytes requires PGE2 biosynthesis and glycolytic flux. <i>FASEB Journal</i> , 2021, 35, e21572.	0.5	4
10	Multicompartmental non-invasive sensing of postprandial lipemia in humans with multispectral optoacoustic tomography. <i>Molecular Metabolism</i> , 2021, 47, 101184.	6.5	9
11	LncRNA <i>Ctcflos</i> orchestrates transcription and alternative splicing in thermogenic adipogenesis. <i>EMBO Reports</i> , 2021, 22, e51289.	4.5	19
12	Protein Kinase D2 drives chylomicron-mediated lipid transport in the intestine and promotes obesity. <i>EMBO Molecular Medicine</i> , 2021, 13, e13548.	6.9	13
13	Secretin as a Satiating Whisperer With the Potential to Turn into an Obesity-curbing Knight. <i>Endocrinology</i> , 2021, 162, .	2.8	6
14	Secretin activates brown fat and induces satiation. <i>Nature Metabolism</i> , 2021, 3, 798-809.	11.9	41
15	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
16	Revisiting energy expenditure: how to correct mouse metabolic rate for body mass. <i>Nature Metabolism</i> , 2021, 3, 1134-1136.	11.9	63
17	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
18	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

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19	Submucosal enteric neurons of the cavine distal colon are sensitive to hypoosmolar stimuli. <i>Journal of Physiology</i> , 2020, 598, 5317-5332.	2.9	5
20	A Phenotyping Platform to Characterize Healthy Individuals Across Four Stages of Life - The Enable Study. <i>Frontiers in Nutrition</i> , 2020, 7, 582387.	3.7	15
21	Isolation, Culture, and Functional Analysis of Murine Thermogenic Adipocytes. <i>STAR Protocols</i> , 2020, 1, 100118.	1.2	16
22	The scaffold protein p62 regulates adaptive thermogenesis through ATF2 nuclear target activation. <i>Nature Communications</i> , 2020, 11, 2306.	12.8	21
23	Fatty Acid Metabolite Profiling Reveals Oxylipins as Markers of Brown but Not Brite Adipose Tissue. <i>Frontiers in Endocrinology</i> , 2020, 11, 73.	3.5	19
24	Reduced mitochondrial resilience enables non-canonical induction of apoptosis after TNF receptor signaling in virus-infected hepatocytes. <i>Journal of Hepatology</i> , 2020, 73, 1347-1359.	3.7	11
25	Proteomic and Metabolite Profiling Reveals Profound Structural and Metabolic Reorganization of Adipocyte Mitochondria in Obesity. <i>Obesity</i> , 2020, 28, 590-600.	3.0	10
26	Meltome atlas—thermal proteome stability across the tree of life. <i>Nature Methods</i> , 2020, 17, 495-503.	19.0	152
27	The gut hormone secretin triggers a gut—brown fat—brain axis in the control of food intake. <i>Experimental Physiology</i> , 2020, 105, 1206-1213.	2.0	13
28	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
29	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
30	Fibroblast growth factor 8b induces uncoupling protein 1 expression in epididymal white preadipocytes. <i>Scientific Reports</i> , 2019, 9, 8470.	3.3	7
31	Low catalytic activity is insufficient to induce disease pathology in triosephosphate isomerase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 839-849.	3.6	13
32	Secretin Links Brown Fat to Food Intake: New Perspectives for Targeting Energy Balance in Humans. <i>Obesity</i> , 2019, 27, 875-877.	3.0	2
33	Mutation in the mouse histone gene <i>Hist2h3c1</i> leads to degeneration of the lens vesicle and severe microphthalmia. <i>Experimental Eye Research</i> , 2019, 188, 107632.	2.6	4
34	Adipose Mitochondrial Respiratory Capacity in Obesity is Impaired Independently of Glycemic Status of Tissue Donors. <i>Obesity</i> , 2019, 27, 756-766.	3.0	9
35	Systems-Genetics-Based Inference of a Core Regulatory Network Underlying White Fat Browning. <i>Cell Reports</i> , 2019, 29, 4099-4113.e5.	6.4	10
36	A dual <i>Ucp1</i> reporter mouse model for imaging and quantitation of brown and brite fat recruitment. <i>Molecular Metabolism</i> , 2019, 20, 14-27.	6.5	37

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37	A mouse model for intellectual disability caused by mutations in the X-linked 2â€²â€²methyltransferase Ftsj1 gene. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2083-2093.	3.8	17
38	Bile acid supplementation decreases body mass gain in C57BL/6J but not 129S6/SvEvTac mice without increasing energy expenditure. <i>Scientific Reports</i> , 2019, 9, 131.	3.3	20
39	Lipoprotein Lipase is Differentially Regulated in Brown and White Adipose Tissue During Seasonal Acclimatization of the Djungarian Hamster. , 2019, , 409-416.		0
40	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
41	Non-adrenergic control of lipolysis and thermogenesis in adipose tissues. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	92
42	Animal models of obesity and diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2018, 14, 140-162.	9.6	563
43	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. <i>Nature Communications</i> , 2018, 9, 288.	12.8	59
44	Impact of dietary 1%3 polyunsaturated fatty acid supplementation on brown and brite adipocyte function. <i>Journal of Lipid Research</i> , 2018, 59, 452-461.	4.2	50
45	Degradation of brown adipocyte purine nucleotides regulates uncoupling protein 1 activity. <i>Molecular Metabolism</i> , 2018, 8, 77-85.	6.5	21
46	The exceptional sensitivity of brain mitochondria to copper. <i>Toxicology in Vitro</i> , 2018, 51, 11-22.	2.4	52
47	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
48	Fgf9 Y162C Mutation Alters Information Processing and Social Memory in Mice. <i>Molecular Neurobiology</i> , 2018, 55, 4580-4595.	4.0	11
49	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
50	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
51	Secretin-Activated Brown Fat Mediates Prandial Thermogenesis to Induce Satiating. <i>Cell</i> , 2018, 175, 1561-1574.e12.	28.9	167
52	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. <i>PLoS Biology</i> , 2018, 16, e2005019.	5.6	48
53	Streptozotocin-induced Î²-cell damage, high fat diet, and metformin administration regulate Hes3 expression in the adult mouse brain. <i>Scientific Reports</i> , 2018, 8, 11335.	3.3	5
54	Fatty Acid Metabolites as Novel Regulators of Non-shivering Thermogenesis. <i>Handbook of Experimental Pharmacology</i> , 2018, 251, 183-214.	1.8	10

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55	Brown adipocyte glucose metabolism: a heated subject. <i>EMBO Reports</i> , 2018, 19, .	4.5	89
56	Postprandial Oxidative Metabolism of Human Brown Fat Indicates Thermogenesis. <i>Cell Metabolism</i> , 2018, 28, 207-216.e3.	16.2	146
57	Opposing Actions of Adrenocorticotrophic Hormone and Glucocorticoids on UCP1-Mediated Respiration in Brown Adipocytes. <i>Frontiers in Physiology</i> , 2018, 9, 1931.	2.8	21
58	Substrate fluxes in brown adipocytes upon adrenergic stimulation and uncoupling protein 1 ablation. <i>Life Science Alliance</i> , 2018, 1, e201800136.	2.8	23
59	Active Brown Fat During <sup>18</sup> 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
60	Proximate causes for diet-induced obesity in laboratory mice: a case study. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 306-317.	2.9	10
61	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
62	Modification of the fatty acid composition of an obesogenic diet improves the maternal and placental metabolic environment in obese pregnant mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1605-1614.	3.8	11
63	Brown Adipose Tissue. , 2017, , 91-147.		21
64	Metformin causes a futile intestinalâ€‘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
65	Serum Response Factor (SRF) Ablation Interferes with Acute Stress-Associated Immediate and Long-Term Coping Mechanisms. <i>Molecular Neurobiology</i> , 2017, 54, 8242-8262.	4.0	12
66	High Fat Diet Accelerates Esophageal Carcinogenesis in a Mouse Model of Barrett Esophagus. <i>Gastroenterology</i> , 2017, 152, S125.	1.3	0
67	Control of adipogenesis by oxylipins, GPCRs and PPARs. <i>Biochimie</i> , 2017, 136, 3-11.	2.6	57
68	Meaningful respirometric measurements of UCP1-mediated thermogenesis. <i>Biochimie</i> , 2017, 134, 56-61.	2.6	23
69	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
70	Meis1 effects on motor phenotypes and the sensorimotor system in mice. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 981-991.	2.4	25
71	Standardized, systemic phenotypic analysis reveals kidney dysfunction as main alteration of Kctd1 l27N mutant mice. <i>Journal of Biomedical Science</i> , 2017, 24, 57.	7.0	8
72	Aminoglycosides, but not PTC124 (Ataluren), rescue nonsense mutations in the leptin receptor and in luciferase reporter genes. <i>Scientific Reports</i> , 2017, 7, 1020.	3.3	19

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73	Viable Edra Y129F mice feature human mandibulofacial dysostosis with alopecia (MFDA) syndrome due to the homologue mutation. <i>Mammalian Genome</i> , 2016, 27, 587-598.	2.2	5
74	Dietary fat and gut microbiota interactions determine diet-induced obesity in mice. <i>Molecular Metabolism</i> , 2016, 5, 1162-1174.	6.5	170
75	Mitochondrial function controls intestinal epithelial stemness and proliferation. <i>Nature Communications</i> , 2016, 7, 13171.	12.8	134
76	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
77	Treatment of diet-induced lipodystrophic C57BL/6J mice with long-acting PASylated leptin normalises insulin sensitivity and hepatic steatosis by promoting lipid utilisation. <i>Diabetologia</i> , 2016, 59, 2005-2012.	6.3	14
78	Long-Acting PASylated Leptin Ameliorates Obesity by Promoting Satiety and Preventing Hypometabolism in Leptin-Deficient Lepob/ob Mice. <i>Endocrinology</i> , 2016, 157, 233-244.	2.8	27
79	Diet-induced and mono-genetic obesity alter volatile organic compound signature in mice. <i>Journal of Breath Research</i> , 2016, 10, 016009.	3.0	11
80	Mildly compromised tetrahydrobiopterin cofactor biosynthesis due to <i>Pts</i> variants leads to unusual body fat distribution and abdominal obesity in mice. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 309-319.	3.6	10
81	Generation and Standardized, Systemic Phenotypic Analysis of Pou3f3L423P Mutant Mice. <i>PLoS ONE</i> , 2016, 11, e0150472.	2.5	14
82	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 4035-4046.	1.8	9
83	The brown and brite adipocyte marker <i>Cox7a1</i> is not required for non-shivering thermogenesis in mice. <i>Scientific Reports</i> , 2015, 5, 17704.	3.3	31
84	Glucose Tolerance Tests for Systematic Screening of Glucose Homeostasis in Mice. <i>Current Protocols in Mouse Biology</i> , 2015, 5, 65-84.	1.2	18
85	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
86	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
87	Limited Mitochondrial Capacity of Visceral Versus Subcutaneous White Adipocytes in Male C57BL/6N Mice. <i>Endocrinology</i> , 2015, 156, 923-933.	2.8	45
88	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
89	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
90	Functional compensation among HMGN variants modulates the DNase I hypersensitive sites at enhancers. <i>Genome Research</i> , 2015, 25, 1295-1308.	5.5	38

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91	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
92	eIF6 coordinates insulin sensitivity and lipid metabolism by coupling translation to transcription. <i>Nature Communications</i> , 2015, 6, 8261.	12.8	73
93	The development of diet-induced obesity and associated metabolic impairments in Dj-1 deficient mice. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 75-81.	4.2	10
94	Generation of Mice Lacking DUF1220 Protein Domains: Effects on Fecundity and Hyperactivity. <i>Mammalian Genome</i> , 2015, 26, 33-42.	2.2	5
95	Pleiotropic Functions for Transcription Factor Zscan10. <i>PLoS ONE</i> , 2014, 9, e104568.	2.5	16
96	A review of standardized metabolic phenotyping of animal models. <i>Mammalian Genome</i> , 2014, 25, 497-507.	2.2	18
97	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
98	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
99	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
100	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
101	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
102	Online breath gas analysis in unrestrained mice by hs-PTR-MS. <i>Mammalian Genome</i> , 2014, 25, 129-140.	2.2	14
103	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
104	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
105	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
106	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
107	High-Fat Diet Induced Isoform Changes of the Parkinson's Disease Protein DJ-1. <i>Journal of Proteome Research</i> , 2014, 13, 2339-2351.	3.7	50
108	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

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109	Raw coffee based dietary supplements contain carboxyatractyligenin derivatives inhibiting mitochondrial adenine-nucleotide-translocase. <i>Food and Chemical Toxicology</i> , 2014, 70, 198-204.	3.6	10
110	Mitochondrial DNA Variants in Obesity. <i>PLoS ONE</i> , 2014, 9, e94882.	2.5	26
111	2-O- $\beta$ -d-Glucopyranosyl-carboxyatractyligenin from <i>Coffea L.</i> inhibits adenine nucleotide translocase in isolated mitochondria but is quantitatively degraded during coffee roasting. <i>Phytochemistry</i> , 2013, 93, 124-135.	2.9	20
112	Boosting mitochondrial biogenesis in white adipocytes: A route towards improved insulin sensitivity?. <i>Molecular Metabolism</i> , 2013, 2, 128-129.	6.5	5
113	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
114	Development of a capillary isoelectric focusing immunoassay to measure DJ-1 isoforms in biological samples. <i>Analytical Biochemistry</i> , 2013, 443, 197-204.	2.4	5
115	Photoperiod-Dependent Regulation of Carboxypeptidase <i>E</i> Affects the Selective Processing of Neuropeptides in the Seasonal Siberian Hamster ( <i>Sterodon eurasiacus</i> ) <i>Trends in Biochemical Sciences</i> , 2013, 38, 107-114.	0.784314	10
116	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
117	FTO Deficiency Induces UCP-1 Expression and Mitochondrial Uncoupling in Adipocytes. <i>Endocrinology</i> , 2013, 154, 3141-3151.	2.8	65
118	Characterization of the melanocortin-4-receptor nonsense mutation W16X in vitro and in vivo. <i>Pharmacogenomics Journal</i> , 2013, 13, 80-93.	2.0	12
119	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
120	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
121	Gene Set of Nuclear-Encoded Mitochondrial Regulators Is Enriched for Common Inherited Variation in Obesity. <i>PLoS ONE</i> , 2013, 8, e55884.	2.5	9
122	A Functional Nexus between Photoperiod Acclimation, Torpor Expression and Somatic Fatty Acid Composition in a Heterothermic Mammal. <i>PLoS ONE</i> , 2013, 8, e63803.	2.5	19
123	Standardized, Systemic Phenotypic Analysis of UmodC93F and UmodA227T Mutant Mice. <i>PLoS ONE</i> , 2013, 8, e78337.	2.5	8
124	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
125	Rapamycin extends murine lifespan but has limited effects on aging. <i>Journal of Clinical Investigation</i> , 2013, 123, 3272-3291.	8.2	333
126	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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127	A Novel SP1/SP3 Dependent Intronic Enhancer Governing Transcription of the UCP3 Gene in Brown Adipocytes. PLoS ONE, 2013, 8, e83426.	2.5	13
128	Regulation des Energiehaushalts. Springer-Lehrbuch, 2013, , 109-122.	0.0	0
129	Neurobeachin, a Regulator of Synaptic Protein Targeting, Is Associated with Body Fat Mass and Feeding Behavior in Mice and Body-Mass Index in Humans. PLoS Genetics, 2012, 8, e1002568.	3.5	33
130	Phylogenetic differences of mammalian basal metabolic rate are not explained by mitochondrial basal proton leak. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 185-193.	2.6	30
131	Cytochrome <i>c</i> oxidase subunit 4 isoform 2 knockout mice show reduced enzyme activity, airway hyporeactivity, and lung pathology. FASEB Journal, 2012, 26, 3916-3930.	0.5	62
132	The hepatic phosphatidylcholine transporter ABCB4 as modulator of glucose homeostasis. FASEB Journal, 2012, 26, 5081-5091.	0.5	22
133	Rescue of Melanocortin 4 Receptor (MC4R) Nonsense Mutations by Aminoglycoside-Mediated Read-Through. Obesity, 2012, 20, 1074-1081.	3.0	37
134	Innovations in phenotyping of mouse models in the German Mouse Clinic. Mammalian Genome, 2012, 23, 611-622.	2.2	40
135	Functional characterization of UCP1 in mammalian HEK293 cells excludes mitochondrial uncoupling artefacts and reveals no contribution to basal proton leak. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1660-1670.	1.0	46
136	The function of Cox7a1 for brown fat thermogenesis (S14 terminal oxidases). Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, S110.	1.0	0
137	Mouse Genetics and Metabolic Mouse Phenotyping. , 2012, , 85-106.		1
138	Mutation screen in the GWAS derived obesity gene SH2B1 including functional analyses of detected variants. BMC Medical Genomics, 2012, 5, 65.	1.5	30
139	Brown Adipose Tissue. , 2012, , 39-69.		11
140	Brown Fat Develops a &lt;b>&lt;i>Brite&/i>&/b> Future. Obesity Facts, 2012, 5, 890-896.	3.4	21
141	Functional Inactivation of the Genome-Wide Association Study Obesity Gene Neuronal Growth Regulator 1 in Mice Causes a Body Mass Phenotype. PLoS ONE, 2012, 7, e41537.	2.5	66
142	Seasonal leptin resistance is associated with impaired signalling via JAK2-STAT3 but not ERK, possibly mediated by reduced hypothalamic GRB2 protein. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 553-567.	1.5	17
143	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. Acta Neuropathologica, 2012, 124, 187-197.	7.7	33
144	Does enamelin have pleiotropic effects on organs other than the teeth? Lessons from a phenotyping screen of two enamelin mutant mouse lines. European Journal of Oral Sciences, 2012, 120, 269-277.	1.5	6

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145	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
146	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
147	The German Mouse Clinic "Running an Open Access Platform.", 2011, , 11-44.		2
148	Mouse phenotyping. <i>Methods</i> , 2011, 53, 120-135.	3.8	128
149	Metabolic Phenotyping of the Crohn's Disease-like IBD Etiopathology in the TNF <sup>ARE/WT</sup> Mouse Model. <i>Journal of Proteome Research</i> , 2011, 10, 5523-5535.	3.7	63
150	Test Systems to Study the Structure and Function of Uncoupling Protein 1: A Critical Overview. <i>Frontiers in Endocrinology</i> , 2011, 2, 63.	3.5	13
151	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
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