Sabine M Hölter

List of Publications by Year in descending order

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131 8,541 48 86
papers citations h-index g-index

141 141 141 13639

times ranked

citing authors

docs citations

all docs

#	Article	IF	CITATIONS
1	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy. , 2022, 1, 157-173.		22
2	Post-synaptic scaffold protein TANC2 in psychiatric and somatic disease risk. DMM Disease Models and Mechanisms, 2022, 15, .	2.4	3
3	Parkinson's disease motor symptoms rescue by CRISPRaâ€reprogramming astrocytes into GABAergic neurons. EMBO Molecular Medicine, 2022, 14, e14797.	6.9	26
4	Diabetes type 2 risk gene Dusp8 is associated with altered sucrose reward behavior in mice and humans. Brain and Behavior, 2021, 11, e01928.	2.2	2
5	Dose-dependent long-term effects of a single radiation event on behaviour and glial cells. International Journal of Radiation Biology, 2021, 97, 156-169.	1.8	14
6	Posterior subcapsular cataracts are a late effect after acute exposure to 0.5 Gy ionizing radiation in mice. International Journal of Radiation Biology, 2021, 97, 529-540.	1.8	5
7	Introduction to the EQIPD quality system. ELife, 2021, 10, .	6.0	42
8	Characterising a homozygous twoâ€exon deletion in <i>UQCRH</i> : comparing human and mouse phenotypes. EMBO Molecular Medicine, 2021, 13, e14397.	6.9	5
9	Complex Long-term Effects of Radiation on Adult Mouse Behavior. Radiation Research, 2021, 197, .	1.5	1
10	In-depth phenotyping reveals common and novel disease symptoms in a hemizygous knock-in mouse model (Mut-ko/ki) of mut-type methylmalonic aciduria. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165622.	3.8	12
11	Physiological relevance of the neuronal isoform of inositol-1,4,5-trisphosphate 3-kinases in mice. Neuroscience Letters, 2020, 735, 135206.	2.1	3
12	A comprehensive and comparative phenotypic analysis of the collaborative founder strains identifies new and known phenotypes. Mammalian Genome, 2020, 31, 30-48.	2.2	22
13	The rRNA m ⁶ A methyltransferase METTL5 is involved in pluripotency and developmental programs. Genes and Development, 2020, 34, 715-729.	5.9	93
14	Polymorphisms in CRYBB2 encoding \hat{l}^2 B2-crystallin are associated with antisaccade performance and memory function. Translational Psychiatry, 2020, 10, 113.	4.8	3
15	A truncating Aspm allele leads to a complex cognitive phenotype and region-specific reductions in parvalbuminergic neurons. Translational Psychiatry, 2020, 10, 66.	4.8	11
16	Claudin-12 is not required for blood–brain barrier tight junction function. Fluids and Barriers of the CNS, 2019, 16, 30.	5.0	45
17	Low catalytic activity is insufficient to induce disease pathology in triosephosphate isomerase deficiency. Journal of Inherited Metabolic Disease, 2019, 42, 839-849.	3.6	13
18	Dusp8 affects hippocampal size and behavior in mice and humans. Scientific Reports, 2019, 9, 19483.	3.3	5

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19	A mouse model for intellectual disability caused by mutations in the X-linked 2′‴O‴methyltransferase Ftsj1 gene. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2083-2093.	3.8	17
20	Crybb2 Mutations Consistently Affect Schizophrenia Endophenotypes in Mice. Molecular Neurobiology, 2019, 56, 4215-4230.	4.0	13
21	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	12.8	59
22	Faim2 contributes to neuroprotection by erythropoietin in transient brain ischemia. Journal of Neurochemistry, 2018, 145, 258-270.	3.9	15
23	Lifetime study in mice after acute low-dose ionizing radiation: a multifactorial study with special focus on cataract risk. Radiation and Environmental Biophysics, 2018, 57, 99-113.	1.4	30
24	Analysis of locomotor behavior in the German Mouse Clinic. Journal of Neuroscience Methods, 2018, 300, 77-91.	2.5	12
25	A paternal methyl donor-rich diet altered cognitive and neural functions in offspring mice. Molecular Psychiatry, 2018, 23, 1345-1355.	7.9	53
26	Fgf9 Y162C Mutation Alters Information Processing and Social Memory in Mice. Molecular Neurobiology, 2018, 55, 4580-4595.	4.0	11
27	The Role of Fibroblast Growth Factor-Binding Protein 1 in Skin Carcinogenesis and Inflammation. Journal of Investigative Dermatology, 2018, 138, 179-188.	0.7	23
28	Understanding gene functions and disease mechanisms: Phenotyping pipelines in the German Mouse Clinic. Behavioural Brain Research, 2018, 352, 187-196.	2.2	31
29	Male offspring born to mildly ZIKV-infected mice are at risk of developing neurocognitive disorders in adulthood. Nature Microbiology, 2018, 3, 1161-1174.	13.3	24
30	Laboratory mouse housing conditions can be improved using common environmental enrichment without compromising data. PLoS Biology, 2018, 16, e2005019.	5.6	48
31	Analysis of Neuropsychiatric Diseaseâ€Related Functional Neuroanatomical Markers in Mice. Current Protocols in Mouse Biology, 2018, 8, 79-128.	1.2	3
32	RNase H2 Loss in Murine Astrocytes Results in Cellular Defects Reminiscent of Nucleic Acid-Mediated Autoinflammation. Frontiers in Immunology, 2018, 9, 587.	4.8	14
33	Broad AOX expression in a genetically tractable mouse model does not disturb normal physiology. DMM Disease Models and Mechanisms, 2017, 10, 163-171.	2.4	46
34	Role of Mitochondrial Metabolism in the Control of Early Lineage Progression and Aging Phenotypes in Adult Hippocampal Neurogenesis. Neuron, 2017, 93, 560-573.e6.	8.1	221
35	Spinal poly-GA inclusions in a C9orf72 mouse model trigger motor deficits and inflammation without neuron loss. Acta Neuropathologica, 2017, 134, 241-254.	7.7	99
36	Serum Response Factor (SRF) Ablation Interferes with Acute Stress-Associated Immediate and Long-Term Coping Mechanisms. Molecular Neurobiology, 2017, 54, 8242-8262.	4.0	12

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37	Alterations in neuronal control of body weight and anxiety behavior by glutathione peroxidase 4 deficiency. Neuroscience, 2017, 357, 241-254.	2.3	38
38	Interplay between H1 and HMGN epigenetically regulates OLIG1&2 expression and oligodendrocyte differentiation. Nucleic Acids Research, 2017, 45, 3031-3045.	14.5	36
39	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. Nature Communications, 2017, 8, 886.	12.8	116
40	Every-other-day feeding extends lifespan but fails to delay many symptoms of aging in mice. Nature Communications, 2017, 8, 155.	12.8	87
41	Female mice lacking Pald1 exhibit endothelial cell apoptosis and emphysema. Scientific Reports, 2017, 7, 15453.	3.3	12
42	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	12.8	200
43	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. Nature Genetics, 2017, 49, 1231-1238.	21.4	216
44	Meis1 effects on motor phenotypes and the sensorimotor system in mice. DMM Disease Models and Mechanisms, 2017, 10, 981-991.	2.4	25
45	Assessing Sociability, Social Memory, and Pup Retrieval in Mice. Current Protocols in Mouse Biology, 2017, 7, 287-305.	1.2	8
46	Standardized, systemic phenotypic analysis reveals kidney dysfunction as main alteration of Kctd1 I27N mutant mice. Journal of Biomedical Science, 2017, 24, 57.	7.0	8
47	The pathogenic LRRK2 R1441C mutation induces specific deficits modeling the prodromal phase of Parkinson's disease in the mouse. Neurobiology of Disease, 2017, 105, 179-193.	4.4	29
48	Myoscape controls cardiac calcium cycling and contractility via regulation of L-type calcium channel surface expression. Nature Communications, 2016, 7, 11317.	12.8	20
49	Viable Ednra Y129F mice feature human mandibulofacial dysostosis with alopecia (MFDA) syndrome due to the homologue mutation. Mammalian Genome, 2016, 27, 587-598.	2.2	5
50	Generation and Standardized, Systemic Phenotypic Analysis of Pou3f3L423P Mutant Mice. PLoS ONE, 2016, 11, e0150472.	2.5	14
51	The First Scube3 Mutant Mouse Line with Pleiotropic Phenotypic Alterations. G3: Genes, Genomes, Genetics, 2016, 6, 4035-4046.	1.8	9
52	<scp>M</scp> i <scp>R</scp> â€34a deficiency accelerates medulloblastoma formation <i>in vivo</i> lnternational Journal of Cancer, 2015, 136, 2293-2303.	5.1	40
53	Assessing Cognition in Mice. Current Protocols in Mouse Biology, 2015, 5, 331-358.	1.2	61
54	Conditional Reduction of Adult Born Doublecortin-Positive Neurons Reversibly Impairs Selective Behaviors. Frontiers in Behavioral Neuroscience, 2015, 9, 302.	2.0	25

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55	MIM-Induced Membrane Bending Promotes Dendritic Spine Initiation. Developmental Cell, 2015, 33, 644-659.	7.0	84
56	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. Nature Genetics, 2015, 47, 969-978.	21.4	137
57	ADAMTS-7 Inhibits Re-endothelialization of Injured Arteries and Promotes Vascular Remodeling Through Cleavage of Thrombospondin-1. Circulation, 2015, 131, 1191-1201.	1.6	125
58	Generation of Mice Lacking DUF1220 Protein Domains: Effects on Fecundity and Hyperactivity. Mammalian Genome, 2015, 26, 33-42.	2.2	5
59	Tests for Anxietyâ€Related Behavior in Mice. Current Protocols in Mouse Biology, 2015, 5, 291-309.	1.2	38
60	Abnormal Brain Iron Metabolism in Irp2 Deficient Mice Is Associated with Mild Neurological and Behavioral Impairments. PLoS ONE, 2014, 9, e98072.	2.5	45
61	FGF/FGFR2 Signaling Regulates the Generation and Correct Positioning of Bergmann Glia Cells in the Developing Mouse Cerebellum. PLoS ONE, 2014, 9, e101124.	2.5	18
62	Pleiotropic Functions for Transcription Factor Zscan10. PLoS ONE, 2014, 9, e104568.	2.5	16
63	MTO1-Deficient Mouse Model Mirrors the Human Phenotype Showing Complex I Defect and Cardiomyopathy. PLoS ONE, 2014, 9, e114918.	2.5	17
64	A robust and reliable non-invasive test for stress responsivity in mice. Frontiers in Behavioral Neuroscience, 2014, 8, 125.	2.0	70
65	Restless Legs Syndrome-associated intronic common variant in <i>Meis1</i> alters enhancer function in the developing telencephalon. Genome Research, 2014, 24, 592-603.	5.5	102
66	Mitochondrial Dysfunction and Decrease in Body Weight of a Transgenic Knock-in Mouse Model for TDP-43. Journal of Biological Chemistry, 2014, 289, 10769-10784.	3.4	100
67	Aberrant methylation of t <scp>RNA</scp> s links cellular stress to neuroâ€developmental disorders. EMBO Journal, 2014, 33, 2020-2039.	7.8	490
68	Phenotyping of Behavioral Characteristics. , 2014, , 1-6.		0
69	Crybb2 coding for \hat{l}^2 B2-crystallin affects sensorimotor gating and hippocampal function. Mammalian Genome, 2013, 24, 333-348.	2.2	20
70	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. Genome Biology, 2013, 14, R82.	9.6	403
71	High Mobility Group N Proteins Modulate the Fidelity of the Cellular Transcriptional Profile in a Tissue- and Variant-specific Manner. Journal of Biological Chemistry, 2013, 288, 16690-16703.	3.4	37
72	A Broad Phenotypic Screen Identifies Novel Phenotypes Driven by a Single Mutant Allele in Huntington's Disease CAG Knock-In Mice. PLoS ONE, 2013, 8, e80923.	2.5	36

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73	Rapamycin extends murine lifespan but has limited effects on aging. Journal of Clinical Investigation, 2013, 123, 3272-3291.	8.2	333
74	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
7 5	<i>Srgap3</i> ^{â€"/â€"} mice present a neurodevelopmental disorder with schizophreniaâ€related intermediate phenotypes. FASEB Journal, 2012, 26, 4418-4428.	0.5	51
76	Innovations in phenotyping of mouse models in the German Mouse Clinic. Mammalian Genome, 2012, 23, 611-622.	2.2	40
77	Mouse Genetics and Metabolic Mouse Phenotyping. , 2012, , 85-106.		1
78	Urocortin 2 modulates aspects of social behaviour in mice. Behavioural Brain Research, 2012, 233, 331-336.	2.2	27
79	Voluntary wheel running in mice increases the rate of neurogenesis without affecting anxiety-related behaviour in single tests. BMC Neuroscience, 2012, 13, 61.	1.9	53
80	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
81	Pink1-deficiency in mice impairs gait, olfaction and serotonergic innervation of the olfactory bulb. Experimental Neurology, 2012, 235, 214-227.	4.1	64
82	Does enamelin have pleiotropic effects on organs other than the teeth? Lessons from a phenotyping screen of two enamelinâ€mutant mouse lines. European Journal of Oral Sciences, 2012, 120, 269-277.	1.5	6
83	MAPK Signaling Determines Anxiety in the Juvenile Mouse Brain but Depression-Like Behavior in Adults. PLoS ONE, 2012, 7, e35035.	2.5	41
84	Large-Scale Phenotyping of an Accurate Genetic Mouse Model of JNCL Identifies Novel Early Pathology Outside the Central Nervous System. PLoS ONE, 2012, 7, e38310.	2.5	56
85	High-Throughput Mouse Phenotyping. Neuromethods, 2011, , 109-133.	0.3	7
86	Mouse phenotyping. Methods, 2011, 53, 120-135.	3.8	128
87	Requirement of the RNA-editing Enzyme ADAR2 for Normal Physiology in Mice. Journal of Biological Chemistry, 2011, 286, 18614-18622.	3.4	91
88	Telomere shortening reduces Alzheimer's disease amyloid pathology in mice. Brain, 2011, 134, 2044-2056.	7.6	90
89	Microphthalmia, parkinsonism, and enhanced nociception in Pitx3 416insG mice. Mammalian Genome, 2010, 21, 13-27.	2.2	36
90	DJâ€1â€deficient mice show less THâ€positive neurons in the ventral tegmental area and exhibit nonâ€motoric behavioural impairments. Genes, Brain and Behavior, 2010, 9, 305-317.	2.2	70

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91	CIN85 regulates dopamine receptor endocytosis and governs behaviour in mice. EMBO Journal, 2010, 29, 2421-2432.	7.8	34
92	Urocortin 3 Modulates Social Discrimination Abilities via Corticotropin-Releasing Hormone Receptor Type 2. Journal of Neuroscience, 2010, 30, 9103-9116.	3.6	83
93	EuroPhenome: a repository for high-throughput mouse phenotyping data. Nucleic Acids Research, 2010, 38, D577-D585.	14.5	7 5
94	Dll1 Haploinsufficiency in Adult Mice Leads to a Complex Phenotype Affecting Metabolic and Immunological Processes. PLoS ONE, 2009, 4, e6054.	2.5	17
95	Targeted Disruption of the Mouse <i>Npal3</i> Gene Leads to Deficits in Behavior, Increased lgE Levels, and Impaired Lung Function. Cytogenetic and Genome Research, 2009, 125, 186-200.	1.1	6
96	Neuronal 3′,3,5-Triiodothyronine (T ₃) Uptake and Behavioral Phenotype of Mice Deficient in <i>Mct8</i> , the Neuronal T ₃ Transporter Mutated in Allan–Herndon–Dudley Syndrome. Journal of Neuroscience, 2009, 29, 9439-9449.	3.6	172
97	cGMP-dependent protein kinase I, the circadian clock, sleep and learning. Communicative and Integrative Biology, 2009, 2, 298-301.	1.4	20
98	Activation of ERK/MAPK in the Lateral Amygdala of the Mouse is Required for Acquisition of a Fear-Potentiated Startle response. Neuropsychopharmacology, 2009, 34, 356-366.	5.4	26
99	A Humanized Version of Foxp2 Affects Cortico-Basal Ganglia Circuits in Mice. Cell, 2009, 137, 961-971.	28.9	555
100	The German Mouse Clinic: A Platform for Systemic Phenotype Analysis of Mouse Models. Current Pharmaceutical Biotechnology, 2009, 10, 236-243.	1.6	56
101	Systemic First-Line Phenotyping. Methods in Molecular Biology, 2009, 530, 463-509.	0.9	70
102	Deletion of Glucose Transporter GLUT8 in Mice Increases Locomotor Activity. Behavior Genetics, 2008, 38, 396-406.	2.1	35
103	Pleiotropic effects in Eya3knockout mice. BMC Developmental Biology, 2008, 8, 118.	2.1	35
104	Genetic mouse models for behavioral analysis through transgenic RNAi technology. Genes, Brain and Behavior, 2008, 7, 821-830.	2.2	23
105	Creatine improves health and survival of mice. Neurobiology of Aging, 2008, 29, 1404-1411.	3.1	85
106	Expression of N-methyl-d-aspartate (NMDA) receptor subunits and splice variants in an animal model of long-term voluntary alcohol self-administration. Drug and Alcohol Dependence, 2008, 96, 16-21.	3.2	22
107	Reliability, robustness, and reproducibility in mouse behavioral phenotyping: a cross-laboratory study. Physiological Genomics, 2008, 34, 243-255.	2.3	229
108	"Sighted C3H" mice - a tool for analysing the influence of vision on mouse behaviour?. Frontiers in Bioscience - Landmark, 2008, Volume, 5810.	3.0	41

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109	The mouse Trm1-like gene is expressed in neural tissues and plays a role in motor coordination and exploratory behaviour. Gene, 2007, 389, 174-185.	2.2	24
110	Differential mRNA distribution of components of the ERK/MAPK signalling cascade in the adult mouse brain. Journal of Comparative Neurology, 2007, 500, 542-556.	1.6	40
111	Impact of IVC housing on emotionality and fear learning in male C3HeB/FeJ and C57BL/6J mice. Mammalian Genome, 2007, 18, 173-186.	2.2	51
112	Iron homeostasis in the brain: complete iron regulatory protein 2 deficiency without symptomatic neurodegeneration in the mouse. Nature Genetics, 2006, 38, 967-969.	21.4	58
113	Generation and Characterization of dickkopf3 Mutant Mice. Molecular and Cellular Biology, 2006, 26, 2317-2326.	2.3	92
114	Lysosomal storage disease upon disruption of the neuronal chloride transport protein ClC-6. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13854-13859.	7.1	166
115	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. Nature Methods, 2005, 2, 403-404.	19.0	176
116	Cannabinoid CB1 receptor is dispensable for memory extinction in an appetitively-motivated learning task. European Journal of Pharmacology, 2005, 510, 69-74.	3.5	91
117	Long-term voluntary ethanol drinking increases expression of NMDA receptor 2B subunits in rat frontal cortex. European Journal of Pharmacology, 2003, 470, 33-36.	3.5	24
118	Alcohol Self-administration in Two Rat Lines Selectively Bred for Extremes in Anxiety-related Behavior. Neuropsychopharmacology, 2002, 26, 729-736.	5.4	87
119	Withdrawal Symptoms in a Long-Term Model of Voluntary Alcohol Drinking in Wistar Rats. Pharmacology Biochemistry and Behavior, 2000, 66, 143-151.	2.9	46
120	Kappa-opioid receptors and relapse-like drinking in long-term ethanol-experienced rats. Psychopharmacology, 2000, 153, 93-102.	3.1	89
121	Unconditioned anxiety and social behaviour in two rat lines selectively bred for high and low anxiety-related behaviour. Behavioural Brain Research, 2000, 111, 153-163.	2.2	125
122	Effects of opiate antagonist treatment on the alcohol deprivation effect in long-term ethanol-experienced rats. Psychopharmacology, 1999, 145, 360-369.	3.1	105
123	Long-term alcohol self-administration with repeated alcohol deprivation phases: an animal model of alcoholism?. Alcohol and Alcoholism, 1999, 34, 231-243.	1.6	253
124	Release and Accumulation of Neurotransmitters in the Rat Brain: Acute Effects of Ethanol In Vitro and Effects of Long-Term Voluntary Ethanol Intake. Alcoholism: Clinical and Experimental Research, 1998, 22, 704-709.	2.4	17
125	Discriminative Stimulus Effects of Glutamate Release Inhibitors in Rats Trained to Discriminate Ethanol. Pharmacology Biochemistry and Behavior, 1998, 59, 691-695.	2.9	6
126	Ethanol and N -methyl- D -aspartate receptor complex interactions: a detailed drug discrimination study in the rat. Psychopharmacology, 1998, 135, 44-51.	3.1	80

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127	Time Course of Acamprosate Action on Operant Ethanol Self-Administration after Ethanol Deprivation. Alcoholism: Clinical and Experimental Research, 1997, 21, 862-868.	2.4	81
128	Time Course of Acamprosate Action on Operant Ethanol Self-Administration after Ethanol Deprivation. Alcoholism: Clinical and Experimental Research, 1997, 21, 862.	2.4	1
129	Acamprosate and alcohol: I. Effects on alcohol intake following alcohol deprivation in the rat. European Journal of Pharmacology, 1996, 305, 39-44.	3.5	248
130	Evidence for alcohol anti-craving properties of memantine. European Journal of Pharmacology, 1996, 314, R1-R2.	3.5	87
131	Effects of amphetamine, morphine and dizocilpine (MK-801) on spontaneous alternation in the 8-arm radial maze. Behavioural Brain Research, 1996, 81, 53-59.	2.2	18