

Lars Lewejohann

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,964
citations

25
h-index

44
g-index

66
ext. papers

2,345
ext. citations

5.5
avg. IF

4.42
L-index

#	Paper	IF	Citations
58	Emergence of individuality in genetically identical mice. <i>Science</i> , 2013 , 340, 756-9	33.3	301
57	Role of a neuronal small non-messenger RNA: behavioural alterations in BC1 RNA-deleted mice. <i>Behavioural Brain Research</i> , 2004 , 154, 273-89	3.4	126
56	Effect of population heterogenization on the reproducibility of mouse behavior: a multi-laboratory study. <i>PLoS ONE</i> , 2011 , 6, e16461	3.7	103
55	Environmental bias? Effects of housing conditions, laboratory environment and experimenter on behavioral tests. <i>Genes, Brain and Behavior</i> , 2006 , 5, 64-72	3.6	95
54	Lifetime development of behavioural phenotype in the house mouse (<i>Mus musculus</i>). <i>Frontiers in Zoology</i> , 2015 , 12 Suppl 1, S17	2.8	81
53	Wheel-running in a transgenic mouse model of Alzheimer's disease: protection or symptom?. <i>Behavioural Brain Research</i> , 2008 , 190, 74-84	3.4	80
52	Modulation of behavioural profile and stress response by 5-HTT genotype and social experience in adulthood. <i>Behavioural Brain Research</i> , 2010 , 207, 21-9	3.4	79
51	Effects of environmental enrichment on exploration, anxiety, and memory in female TgCRND8 Alzheimer mice. <i>Behavioural Brain Research</i> , 2008 , 191, 43-8	3.4	79
50	The role of granulocyte-colony stimulating factor (G-CSF) in the healthy brain: a characterization of G-CSF-deficient mice. <i>Journal of Neuroscience</i> , 2009 , 29, 11572-81	6.6	67
49	Levodopa ameliorates learning and memory deficits in a murine model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2009 , 30, 1192-204	5.6	67
48	Age- and sex-dependent development of adrenocortical hyperactivity in a transgenic mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2004 , 25, 893-904	5.6	62
47	Neuronal untranslated BC1 RNA: targeted gene elimination in mice. <i>Molecular and Cellular Biology</i> , 2003 , 23, 6435-41	4.8	59
46	Living in a dangerous world: the shaping of behavioral profile by early environment and 5-HTT genotype. <i>Frontiers in Behavioral Neuroscience</i> , 2009 , 3, 26	3.5	54
45	"Personality" in laboratory mice used for biomedical research: a way of understanding variability?. <i>Developmental Psychobiology</i> , 2011 , 53, 624-30	3	51
44	Social status and day-to-day behaviour of male serotonin transporter knockout mice. <i>Behavioural Brain Research</i> , 2010 , 211, 220-8	3.4	51
43	Altered heparan sulfate structure in mice with deleted NDST3 gene function. <i>Journal of Biological Chemistry</i> , 2008 , 283, 16885-94	5.4	51
42	Preventive and therapeutic types of environmental enrichment counteract beta amyloid pathology by different molecular mechanisms. <i>Neurobiology of Disease</i> , 2011 , 42, 530-8	7.5	47

41	Impaired recognition memory in male mice with a supernumerary X chromosome. <i>Physiology and Behavior</i> , 2009 , 96, 23-9	3.5	40
40	Serotonin transporter knockout and repeated social defeat stress: impact on neuronal morphology and plasticity in limbic brain areas. <i>Behavioural Brain Research</i> , 2011 , 220, 42-54	3.4	39
39	Association between exploratory activity and social individuality in genetically identical mice living in the same enriched environment. <i>Neuroscience</i> , 2015 , 309, 140-52	3.9	35
38	Behavioral phenotyping of a murine model of Alzheimer's disease in a seminaturalistic environment using RFID tracking. <i>Behavior Research Methods</i> , 2009 , 41, 850-6	6.1	35
37	Hope for the best or prepare for the worst? Towards a spatial cognitive bias test for mice. <i>PLoS ONE</i> , 2014 , 9, e105431	3.7	31
36	TRIM32-dependent transcription in adult neural progenitor cells regulates neuronal differentiation. <i>Cell Death and Disease</i> , 2013 , 4, e976	9.8	30
35	Living in a dangerous world decreases maternal care: a study in serotonin transporter knockout mice. <i>Hormones and Behavior</i> , 2011 , 60, 397-407	3.7	26
34	5-HTT deficiency affects neuroplasticity and increases stress sensitivity resulting in altered spatial learning performance in the Morris water maze but not in the Barnes maze. <i>PLoS ONE</i> , 2013 , 8, e78238	3.7	26
33	Altered phosphorylation but no neurodegeneration in a mouse model of tau hyperphosphorylation. <i>Neurobiology of Aging</i> , 2011 , 32, 991-1006	5.6	24
32	Wild genius - domestic fool? Spatial learning abilities of wild and domestic guinea pigs. <i>Frontiers in Zoology</i> , 2010 , 7, 9	2.8	24
31	CNI-1493 inhibits Abeta production, plaque formation, and cognitive deterioration in an animal model of Alzheimer's disease. <i>Journal of Experimental Medicine</i> , 2008 , 205, 1593-9	16.6	20
30	Benefits of adversity?! How life history affects the behavioral profile of mice varying in serotonin transporter genotype. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 47	3.5	19
29	Transgenic Alzheimer mice in a semi-naturalistic environment: more plaques, yet not compromised in daily life. <i>Behavioural Brain Research</i> , 2009 , 201, 99-102	3.4	19
28	DMSO modulates CNS function in a preclinical Alzheimer's disease model. <i>Neuropharmacology</i> , 2017 , 113, 434-444	5.5	18
27	The glass is not yet half empty: agitation but not Varroa treatment causes cognitive bias in honey bees. <i>Animal Cognition</i> , 2017 , 20, 233-241	3.1	13
26	The neural stem cell fate determinant TRIM32 regulates complex behavioral traits. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 75	6.1	13
25	Towards a fully automated surveillance of well-being status in laboratory mice using deep learning: Starting with facial expression analysis. <i>PLoS ONE</i> , 2020 , 15, e0228059	3.7	12
24	Unexpected effects of early-life adversity and social enrichment on the anxiety profile of mice varying in serotonin transporter genotype. <i>Behavioural Brain Research</i> , 2013 , 247, 248-58	3.4	11

23	Assessing Affective State in Laboratory Rodents to Promote Animal Welfare-What Is the Progress in Applied Refinement Research?. <i>Animals</i> , 2019 , 9,	3.1	11
22	Repeatability analysis improves the reliability of behavioral data. <i>PLoS ONE</i> , 2020 , 15, e0230900	3.7	10
21	Effect of acute stressor and serotonin transporter genotype on amygdala first wave transcriptome in mice. <i>PLoS ONE</i> , 2013 , 8, e58880	3.7	10
20	Impulse for animal welfare outside the experiment. <i>Laboratory Animals</i> , 2020 , 54, 150-158	2.6	7
19	Wheel running behaviour in group-housed female mice indicates disturbed wellbeing due to DSS colitis. <i>Laboratory Animals</i> , 2020 , 54, 63-72	2.6	7
18	Current Methods to Investigate Nociception and Pain in Zebrafish. <i>Frontiers in Neuroscience</i> , 2021 , 15, 632634	5.1	7
17	Measurement of corticosterone in mice: a protocol for a mapping review. <i>Laboratory Animals</i> , 2020 , 54, 26-32	2.6	5
16	Start early! Does social instability during the pre- and early postnatal development prepare male wild cavies for social challenge later in life?. <i>Frontiers in Zoology</i> , 2017 , 14, 2	2.8	3
15	Fill My Datebook: a software tool to generate and handle lists of events. <i>Behavior Research Methods</i> , 2008 , 40, 391-3	6.1	2
14	Cut back on surplus laboratory animals. <i>Nature</i> , 2020 , 578, 515	50.4	2
13	Alternate without alternative: neither preference nor learning explains behaviour of C57BL/6J mice in the T-maze. <i>Behaviour</i> , 2021 , 158, 625-662	1.4	2
12	O mouse, where art thou? The Mouse Position Surveillance System (MoPSS)-an RFID-based tracking system. <i>Behavior Research Methods</i> , 2021 , 1	6.1	2
11	Lifetime Observation of Cognition and Physiological Parameters in Male Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2021 , 15, 709775	3.5	2
10	Mouse Models for the Exploration of Klinefelter's Syndrome 2017 , 621-649		1
9	Towards a fully automated surveillance of well-being status in laboratory mice using deep learning		1
8	Cerebellar Morphology and Behavioral Profiles in Mice Lacking Heparan Sulfate Gene Function. <i>Journal of Developmental Biology</i> , 2020 , 8,	3.5	1
7	Behavioral Methods for Severity Assessment. <i>Animals</i> , 2020 , 10,	3.1	1
6	Evaluation of different types of enrichment - their usage and effect on home cage behavior in female mice.. <i>PLoS ONE</i> , 2021 , 16, e0261876	3.7	1

5	Measuring endogenous corticosterone in laboratory mice - a mapping review, meta-analysis, and open source database. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021 , 38, 111-122	4.3	o
4	The "WWHow" Concept for Prospective Categorization of Post-operative Severity Assessment in Mice and Rats.. <i>Frontiers in Veterinary Science</i> , 2022 , 9, 841431	3.1	o
3	Determining the value of preferred goods based on consumer demand in a home-cage based test for mice.. <i>Behavior Research Methods</i> , 2022 , 1	6.1	o
2	Mouse Models for the Exploration of Klinefelter Syndrome 2013 , 759-784		
1	CNI-1493 inhibits A β production, plaque formation, and cognitive deterioration in an animal model of Alzheimer's disease. <i>Journal of Cell Biology</i> , 2008 , 182, i1-i1	7.3	