Sara Wells

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11277905/publications.pdf

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56	5,353	126907	144013
papers	citations	33 h-index	57 g-index

63	63	63	10366
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identifying genetic determinants of inflammatory pain in mice using a large-scale gene-targeted screen. Pain, 2022, 163, 1139-1157.	4.2	4
2	Gadd45g is required for timely Sry expression independently of RSPO1 activity. Reproduction, 2022, 163, 333-340.	2.6	5
3	A novel knockout mouse for the small EDRK-rich factor 2 (Serf2) showing developmental and other deficits. Mammalian Genome, 2021, 32, 94-103.	2.2	10
4	LAMA: automated image analysis for the developmental phenotyping of mouse embryos. Development (Cambridge), 2021, 148, .	2.5	7
5	A resource of targeted mutant mouse lines for 5,061 genes. Nature Genetics, 2021, 53, 416-419.	21.4	60
6	Comprehensive phenotypic analysis of the Dp1Tyb mouse strain reveals a broad range of Down syndrome-related phenotypes. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	17
7	Forward genetics identifies a novel sleep mutant with sleep state inertia and REM sleep deficits. Science Advances, 2020, 6, eabb3567.	10.3	15
8	Phenotyping in Mice Using Continuous Home Cage Monitoring and Ultrasonic Vocalization Recordings. Current Protocols in Mouse Biology, 2020, 10, e80.	1.2	11
9	Protection Against XY Gonadal Sex Reversal by a Variant Region on Mouse Chromosome 13. Genetics, 2020, 214, 467-477.	2.9	6
10	Fam151b, the mouse homologue of C.elegans menorin gene, is essential for retinal function. Scientific Reports, 2020, 10, 437.	3.3	2
11	The Deep Genome Project. Genome Biology, 2020, 21, 18.	8.8	30
12	Human and mouse essentiality screens as a resource for disease gene discovery. Nature Communications, 2020, 11, 655.	12.8	64
13	Drug safety Africa: An overview of safety pharmacology & toxicology in South Africa. Journal of Pharmacological and Toxicological Methods, 2019, 98, 106579.	0.7	1
14	Male mice lacking ADAMTS-16 are fertile but exhibit testes of reduced weight. Scientific Reports, 2019, 9, 17195.	3.3	8
15	High-throughput mouse phenomics for characterizing mammalian gene function. Nature Reviews Genetics, 2018, 19, 357-370.	16.3	78
16	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	12.8	59
17	Loss of p300 and CBP disrupts histone acetylation at the mouse Sry promoter and causes XY gonadal sex reversal. Human Molecular Genetics, 2018, 27, 190-198.	2.9	39
18	Assessing mouse behaviour throughout the light/dark cycle using automated in-cage analysis tools. Journal of Neuroscience Methods, 2018, 300, 37-47.	2.5	128

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19	Characterisation and use of a functional Gadd45g bacterial artificial chromosome. Scientific Reports, 2018, 8, 17318.	3.3	2
20	Identification of genes required for eye development by high-throughput screening of mouse knockouts. Communications Biology, 2018, 1, 236.	4.4	37
21	ZNRF3 functions in mammalian sex determination by inhibiting canonical WNT signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5474-5479.	7.1	62
22	Application of long single-stranded DNA donors in genome editing: generation and validation of mouse mutants. BMC Biology, 2018, 16, 70.	3.8	74
23	Biallelic Variants in OTUD6B Cause an Intellectual Disability Syndrome Associated with Seizures and Dysmorphic Features. American Journal of Human Genetics, 2017, 100, 676-688.	6.2	54
24	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. Nature Communications, 2017, 8, 886.	12.8	116
25	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	12.8	200
26	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. Nature Genetics, 2017, 49, 1231-1238.	21.4	216
27	A mutation in Nischarin causes otitis media via LIMK1 and NF-Î¹B pathways. PLoS Genetics, 2017, 13, e1006969.	3.5	36
28	Analysis of Individual Mouse Activity in Group Housed Animals of Different Inbred Strains using a Novel Automated Home Cage Analysis System. Frontiers in Behavioral Neuroscience, 2016, 10, 106.	2.0	87
29	Novel gene function revealed by mouse mutagenesis screens for models of age-related disease. Nature Communications, 2016, 7, 12444.	12.8	79
30	Genetic Analyses Reveal Functions for MAP2K3 and MAP2K6 in Mouse Testis Determination1. Biology of Reproduction, 2016, 94, 103.	2.7	18
31	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	27.8	1,001
32	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
33	Applying the ARRIVE Guidelines to an In Vivo Database. PLoS Biology, 2015, 13, e1002151.	5.6	75
34	¹H NMR Metabolic Profiling of Plasma Reveals Additional Phenotypes in Knockout Mouse Models. Journal of Proteome Research, 2015, 14, 2036-2045.	3.7	10
35	The Regulatory Factor ZFHX3 Modifies Circadian Function in SCN via an AT Motif-Driven Axis. Cell, 2015, 162, 607-621.	28.9	74
36	Pharmacological Inhibition of FTO. PLoS ONE, 2015, 10, e0121829.	2.5	33

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37	A Novel Mouse Fgfr2 Mutant, Hobbyhorse (hob), Exhibits Complete XY Gonadal Sex Reversal. PLoS ONE, 2014, 9, e100447.	2.5	26
38	Dominant Î²-catenin mutations cause intellectual disability with recognizable syndromic features. Journal of Clinical Investigation, 2014, 124, 1468-1482.	8.2	110
39	Early motor deficits in mouse disease models are reliably uncovered using an automated home cage wheel-running system: a cross-laboratory validation. DMM Disease Models and Mechanisms, 2014, 7, 397-407.	2.4	33
40	Transgenic expression of Map3k4 rescues T-associated sex reversal (Tas) in mice. Human Molecular Genetics, 2014, 23, 3035-3044.	2.9	24
41	A Cross-Laboratory Investigation of Timing Endophenotypes in Mouse Behavior. Timing and Time Perception, 2014, 2, 35-50.	0.6	22
42	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. Genome Biology, 2013, 14, R82.	9.6	403
43	Adult Onset Global Loss of the Fto Gene Alters Body Composition and Metabolism in the Mouse. PLoS Genetics, 2013, 9, e1003166.	3.5	129
44	Mouse large-scale phenotyping initiatives: overview of the European Mouse Disease Clinic (EUMODIC) and of the Wellcome Trust Sanger Institute Mouse Genetics Project. Mammalian Genome, 2012, 23, 600-610.	2.2	133
45	Gadd45Î³ and Map3k4 Interactions Regulate Mouse Testis Determination via p38 MAPK-Mediated Control of Sry Expression. Developmental Cell, 2012, 23, 1020-1031.	7.0	122
46	Minor Abnormalities of Testis Development in Mice Lacking the Gene Encoding the MAPK Signalling Component, MAP3K1. PLoS ONE, 2011, 6, e19572.	2.5	55
47	Overexpression of Fto leads to increased food intake and results in obesity. Nature Genetics, 2010, 42, 1086-1092.	21.4	612
48	EuroPhenome: a repository for high-throughput mouse phenotyping data. Nucleic Acids Research, 2010, 38, D577-D585.	14.5	75
49	A Mutation in the Mitochondrial Fission Gene Dnm1l Leads to Cardiomyopathy. PLoS Genetics, 2010, 6, e1001000.	3.5	119
50	ENU Mutagenesis Reveals a Novel Phenotype of Reduced Limb Strength in Mice Lacking Fibrillin 2. PLoS ONE, 2010, 5, e9137.	2.5	19
51	Loss of Mitogen-Activated Protein Kinase Kinase Kinase 4 (MAP3K4) Reveals a Requirement for MAPK Signalling in Mouse Sex Determination. PLoS Biology, 2009, 7, e1000196.	5.6	130
52	Sfrp1 and Sfrp2 are required for normal male sexual development in mice. Developmental Biology, 2009, 326, 273-284.	2.0	84
53	ENU Mutagenesis, a Way Forward to Understand Gene Function. Annual Review of Genomics and Human Genetics, 2008, 9, 49-69.	6.2	143
54	An ENU-induced mutation in the Ankrd11 gene results in an osteopenia-like phenotype in the mouse mutant Yoda. Physiological Genomics, 2008, 32, 311-321.	2.3	48

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55	Spectrum of ENU-induced mutations in phenotype-driven and gene-driven screens in the mouse. Environmental and Molecular Mutagenesis, 2007, 48, 124-142.	2.2	48
56	A gene-driven ENU-based approach to generating an allelic series in any gene. Mammalian Genome, 2004, 15, 585-591.	2.2	148