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List of Publications by Year
in descending order

75 papers	4,664 citations	201385 27 h-index	114278 63 g-index
82 all docs	82 docs citations	82 times ranked	9046 citing authors

#	Article	IF	Citations
1	The Mutant Mouse Resource and Research Center (MMRRC): the NIH-supported National Public Repository and Distribution Archive of Mutant Mouse Models in the USA. Mammalian Genome, 2022, 33, 203-212.	1.0	13
2	Identifying genetic determinants of inflammatory pain in mice using a large-scale gene-targeted screen. Pain, 2022, 163, 1139-1157.	2.0	4
3	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy. , 2022, 1, 157-173.		22
4	A novel DPH5-related diphthamide-deficiency syndrome causing embryonic lethality or profound neurodevelopmental disorder. Genetics in Medicine, 2022, 24, 1567-1582.	1.1	5
5	Injection Reactions after Administration of Sustained-release Meloxicam to BALB/cJ, C57BL/6J, and Crl:CD1(ICR) Mice. Journal of the American Association for Laboratory Animal Science, 2021, 60, 176-183.	0.6	3
6	Response to correspondence on â€œReproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluationâ€. Genome Biology, 2021, 22, 99.	3.8	4
7	A resource of targeted mutant mouse lines for 5,061 genes. Nature Genetics, 2021, 53, 416-419.	9.4	60
8	Proteotyping of knockout mouse strains reveals sex- and strain-specific signatures in blood plasma. Npj Systems Biology and Applications, 2021, 7, 25.	1.4	2
9	Supplier-origin mouse microbiomes significantly influence locomotor and anxiety-related behavior, body morphology, and metabolism. Communications Biology, 2021, 4, 716.	2.0	15
10	On the potential role of globins in brown adipose tissue: a novel conceptual model and studies in myoglobin knockout mice. American Journal of Physiology - Endocrinology and Metabolism, 2021, 321, E47-E62.	1.8	11
11	Metabolic physiology and skeletal muscle phenotypes in male and female myoglobin knockout mice. American Journal of Physiology - Endocrinology and Metabolism, 2021, 321, E63-E79.	1.8	7
12	Retinal degeneration in mice and humans with neuronal ceroid lipofuscinosis type 8. Annals of Translational Medicine, 2021, 9, 1274-1274.	0.7	2
13	A metabolome atlas of the aging mouse brain. Nature Communications, 2021, 12, 6021.	5.8	91
14	Cytoglobin deficiency potentiates Crb1-mediated retinal degeneration in rd8 mice. Developmental Biology, 2020, 458, 141-152.	0.9	7
15	Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. Genetics, 2020, 216, 905-930.	1.2	58
16	DNA fragmentation index (DFI) as a measure of sperm quality and fertility in mice. Scientific Reports, 2020, 10, 3833.	1.6	20
17	High-throughput discovery of genetic determinants of circadian misalignment. PLoS Genetics, 2020, 16, e1008577.	1.5	10
18	The Deep Genome Project. Genome Biology, 2020, 21, 18.	3.8	30

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19	Human and mouse essentiality screens as a resource for disease gene discovery. Nature Communications, 2020, 11, 655.	5.8	64
20	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. PLoS Genetics, 2020, 16, e1009190.	1.5	19
21	Hypoglycemia after Bariatric Surgery in Mice and Optimal Dosage and Efficacy of Glucose Supplementation. Comparative Medicine, 2020, 70, 111-118.	0.4	3
22	High-throughput discovery of genetic determinants of circadian misalignment. , 2020, 16, e1008577.		0
23	High-throughput discovery of genetic determinants of circadian misalignment. , 2020, 16, e1008577.		0
24	High-throughput discovery of genetic determinants of circadian misalignment. , 2020, 16, e1008577.		0
25	High-throughput discovery of genetic determinants of circadian misalignment. , 2020, 16, e1008577.		0
26	Genome-wide screening of mouse knockouts reveals novel genes required for normal integumentary and oculocutaneous structure and function. Scientific Reports, 2019, 9, 11211.	1.6	6
27	Generating mouse models for biomedical research: technological advances. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	93
28	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. Genome Biology, 2019, 20, 171.	3.8	69
29	A Comprehensive Plasma Metabolomics Dataset for a Cohort of Mouse Knockouts within the International Mouse Phenotyping Consortium. Metabolites, 2019, 9, 101.	1.3	40
30	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	5.8	59
31	Mutations in SELENBP1, encoding a novel human methanethiol oxidase, cause extraoral halitosis. Nature Genetics, 2018, 50, 120-129.	9.4	86
32	Response to â€œUnexpected mutations after CRISPRâ€“Cas9 editing in vivoâ€• Nature Methods, 2018, 15, 235-236.	9.0	24
33	A Population Study of Common Ocular Abnormalities in C57BL/6Nrd8Mice. , 2018, 59, 2252.		31
34	Identification of genes required for eye development by high-throughput screening of mouse knockouts. Communications Biology, 2018, 1, 236.	2.0	37
35	The International Mouse Phenotyping Consortium (IMPC): a functional catalogue of the mammalian genome that informs conservation. Conservation Genetics, 2018, 19, 995-1005.	0.8	82
36	Development of outbred CD1 mouse colonies with distinct standardized gut microbiota profiles for use in complex microbiota targeted studies. Scientific Reports, 2018, 8, 10107.	1.6	30

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37	Efficient mouse genome engineering by CRISPR-EZ technology. Nature Protocols, 2018, 13, 1253-1274.	5.5	95
38	Deficiency of microRNA miR-34a expands cell fate potential in pluripotent stem cells. Science, 2017, 355, .	6.0	129
39	Efficient gene targeting in mouse zygotes mediated by CRISPR/Cas9-protein. Transgenic Research, 2017, 26, 263-277.	1.3	22
40	PDX-MI: Minimal Information for Patient-Derived Tumor Xenograft Models. Cancer Research, 2017, 77, e62-e66.	0.4	92
41	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. Nature Communications, 2017, 8, 886.	5.8	116
42	Ferredoxin reductase is critical for p53-dependent tumor suppression via iron regulatory protein 2. Genes and Development, 2017, 31, 1243-1256.	2.7	97
43	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	5.8	200
44	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. Nature Genetics, 2017, 49, 1231-1238.	9.4	216
45	Arap1 Deficiency Causes Photoreceptor Degeneration in Mice. , 2017, 58, 1709.		10
46	Cryorecovery of Mouse Sperm by Different IVF Methods Using MBCD and GSH. Journal of Fertilization in Vitro IVF Worldwide Reproductive Medicine Genetics & Stem Cell Biology, 2016, 04, .	0.2	9
47	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	13.7	1,001
48	Animal-based studies will be essential for precision medicine. Science Translational Medicine, 2016, 8, 352ed12.	5.8	19
49	Transcriptome Analysis of Targeted Mouse Mutations Reveals the Topography of Local Changes in Gene Expression. PLoS Genetics, 2016, 12, e1005691.	1.5	28
50	Reporter Gene Silencing in Targeted Mouse Mutants Is Associated with Promoter CpG Island Methylation. PLoS ONE, 2015, 10, e0134155.	1.1	3
51	Validation of Simple Sequence Length Polymorphism Regions of Commonly Used Mouse Strains for Marker Assisted Speed Congenics Screening. International Journal of Genomics, 2015, 2015, 1-17.	0.8	12
52	Reproducibility: Use mouse biobanks or lose them. Nature, 2015, 522, 151-153.	13.7	24
53	Comment on â€œOne health, one literature: Weaving together veterinary and medical researchâ€• Science Translational Medicine, 2015, 7, 317le3.	5.8	0
54	Rescue of germline transmission from chimeras by IVF after sperm analysis. Transgenic Research, 2015, 24, 99-108.	1.3	2

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55	A lacZ reporter gene expression atlas for 313 adult KOMP mutant mouse lines. Genome Research, 2015, 25, 598-607.	2.4	29
56	Precision medicine: Look to the mice. Science, 2015, 349, 390-390.	6.0	11
57	Applying the ARRIVE Guidelines to an In Vivo Database. PLoS Biology, 2015, 13, e1002151.	2.6	75
58	Investigations of motility and fertilization potential in thawed cryopreserved mouse sperm from cold-stored epididymides. Cryobiology, 2014, 68, 12-17.	0.3	18
59	The Influence of Shc Proteins on Life Span in Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1177-1185.	1.7	37
60	IVF recovery of mutant mouse lines using sperm cryopreserved with mtg in cryovials. Cryo-Letters, 2014, 35, 145-53.	0.1	6
61	Combining sperm plug genotyping and coat color chimerism predicts germline transmission. Transgenic Research, 2013, 22, 1265-1272.	1.3	2
62	High Osmolality Vitrification: A New Method for the Simple and Temperature-Permissive Cryopreservation of Mouse Embryos. PLoS ONE, 2013, 8, e49316.	1.1	31
63	Centralized mouse repositories. Mammalian Genome, 2012, 23, 559-571.	1.0	25
64	The mammalian gene function resource: the international knockout mouse consortium. Mammalian Genome, 2012, 23, 580-586.	1.0	292
65	A knockout mouse resource for the biomedical research community. Annals of the New York Academy of Sciences, 2011, 1245, 24-26.	1.8	58
66	Rederivation of transgenic mice from iPS cells derived from frozen tissue. Transgenic Research, 2011, 20, 167-175.	1.3	3
67	Agouti C57BL/6N embryonic stem cells for mouse genetic resources. Nature Methods, 2009, 6, 493-495.	9.0	340
68	Mercury-free mouse ICSI with rotationally oscillating drill (Ros-Drill©). , 2009, , .		0
69	The Scientific Component of Residency Training. Journal of Veterinary Medical Education, 2008, 35, 53-57.	0.4	2
70	Phenotypic analysis of C57BL/6J and FVB/NJ mice generated using evaporatively dried spermatozoa. Comparative Medicine, 2007, 57, 469-75.	0.4	9
71	The Knockout Mouse Project. Nature Genetics, 2004, 36, 921-924.	9.4	556
72	Intracytoplasmic sperm injection (ICSI) enables rescue of valuable mutant mouse strains. Comparative Medicine, 2003, 53, 265-9.	0.4	7

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73	Acid inhibition by intestinal nutrients mediated by CCK-A receptors but not plasma CCK. American Journal of Physiology - Renal Physiology, 2001, 281, G924-G930.	1.6	5
74	Duodenal loading with glucose induces Fos expression in rat brain: selective blockade by devazepide. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R667-R674.	0.9	23
75	Therapy in two cases of neonatal foal septicaemia and meningitis with cefotaxime sodium. Equine Veterinary Journal, 1987, 19, 151-154.	0.9	36