Colin McKerlie

List of Publications by Year
in descending order

33 papers	2,846 citations	471509 17 h-index	434195 31 g-index
40 all docs	40 docs citations	40 times ranked	6084 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	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy. , 2022, 1, 157-173.		22
3	Process and Workflow for Preparation of Disparate Mouse Tissues for Proteomic Analysis. Journal of Proteome Research, 2021, 20, 305-316.	3.7	3
4	A resource of targeted mutant mouse lines for 5,061 genes. Nature Genetics, 2021, 53, 416-419.	21.4	60
5	Proteotyping of knockout mouse strains reveals sex- and strain-specific signatures in blood plasma. Npj Systems Biology and Applications, 2021, 7, 25.	3.0	2
6	INFRAFRONTIER quality principles in systemic phenotyping. Mammalian Genome, 2021, , 1.	2.2	3
7	Soft windowing application to improve analysis of high-throughput phenotyping data. Bioinformatics, 2020, 36, 1492-1500.	4.1	9
8	Variant in NHLRC2 leads to increased hnRNP C2 in developing neurons and the hippocampus of a mouse model of FINCAÂdisease. Molecular Medicine, 2020, 26, 123.	4.4	5
9	PATHBIO: an international training program for precision mouse phenotyping. Mammalian Genome, 2020, 31, 49-53.	2.2	2
10	The Deep Genome Project. Genome Biology, 2020, 21, 18.	8.8	30
11	Human and mouse essentiality screens as a resource for disease gene discovery. Nature Communications, 2020, 11, 655.	12.8	64
12	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. PLoS Genetics, 2020, 16, e1009190.	3.5	19
13	Genome-wide screening of mouse knockouts reveals novel genes required for normal integumentary and oculocutaneous structure and function. Scientific Reports, 2019, 9, 11211.	3.3	6
14	A Comprehensive Plasma Metabolomics Dataset for a Cohort of Mouse Knockouts within the International Mouse Phenotyping Consortium. Metabolites, 2019, 9, 101.	2.9	40
15	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	12.8	59
16	Identification of genes required for eye development by high-throughput screening of mouse knockouts. Communications Biology, 2018, 1, 236.	4.4	37
17	A Review of Current Standards and the Evolution of Histopathology Nomenclature for Laboratory Animals. ILAR Journal, 2018, 59, 29-39.	1.8	15
18	The International Mouse Phenotyping Consortium (IMPC): a functional catalogue of the mammalian genome that informs conservation. Conservation Genetics, 2018, 19, 995-1005.	1.5	82

#	Article	IF	Citations
19	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. Nature Communications, 2017, 8, 886.	12.8	116
20	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	12.8	200
21	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. Nature Genetics, 2017, 49, 1231-1238.	21.4	216
22	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	27.8	1,001
23	Human Fetal Testicular Tissue Xenotransplantation: A Platform to Study the Effect of Gonadotropins on Human Germ Cell Development In Utero. Journal of Urology, 2015, 194, 585-591.	0.4	11
24	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
25	The Bulk of Autotaxin Activity Is Dispensable for Adult Mouse Life. PLoS ONE, 2015, 10, e0143083.	2.5	55
26	Histopathology reveals correlative and unique phenotypes in a high throughput mouse phenotyping screen. DMM Disease Models and Mechanisms, 2014, 7, 515-24.	2.4	44
27	Analysis of Phenotype. , 2014, , 431-487.		5
28	The mouse pathology ontology, MPATH; structure and applications. Journal of Biomedical Semantics, 2013, 4, 18.	1.6	32
29	Phenotype and genotype comparison of C57BL/6N substrains contributing to the International Mouse Phenotyping Consortium (IMPC). FASEB Journal, 2013, 27, lb195.	0.5	0
30	The mammalian gene function resource: the international knockout mouse consortium. Mammalian Genome, 2012, 23, 580-586.	2.2	292
31	Pathology of the Laboratory Mouse. Toxicologic Pathology, 2011, 39, 559-562.	1.8	17
32	Two mouse mutations mapped to chromosome 11 with differing morphologies but similar progressive inflammatory alopecia. Experimental Dermatology, 2005, 14, 373-379.	2.9	8
33	Inactivation of Fac in mice produces inducible chromosomal instability and reduced fertility reminiscent of Fanconi anaemia. Nature Genetics, 1996, 12, 448-451.	21.4	241