Megan K Mulligan

List of Publications by Year
in descending order

57 papers	2,116 citations	361045 20 h-index	276539 41 g-index
69 all docs	69 docs citations	69 times ranked	2556 citing authors

#	Article	IF	Citations
1	Correction of the hypomorphic Gabra2 splice site variant in mouse strain C57BL/6J modifies the severity of Scn8a encephalopathy. Human Genetics and Genomics Advances, 2022, 3, 100064.	1.0	0
2	Identification of cyclin D1 as a major modulator of 3-nitropropionic acid-induced striatal neurodegeneration. Neurobiology of Disease, 2022, 162, 105581.	2.1	6
3	GeneCup: mining PubMed and GWAS catalog for geneâ€“keyword relationships. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	8
4	A platform for experimental precision medicine: The extended BXD mouse family. Cell Systems, 2021, 12, 235-247.e9.	2.9	115
5	Genetic differences in ethanol consumption: effects on iron, copper, and zinc regulation in mouse hippocampus. BioMetals, 2021, 34, 1059-1066.	1.8	2
6	Systems genetic analysis of bingeâ€like eating in a C57BL/6J x DBA/2Jâ€F2 cross. Genes, Brain and Behavior, 2021, 20, e12751.	1.1	4
7	Gabra2 is a genetic modifier of Dravet syndrome in mice. Mammalian Genome, 2021, 32, 350-363.	1.0	11
8	Genetic Modulation of Initial Sensitivity to Î”9-Tetrahydrocannabinol (THC) Among the BXD Family of Mice. Frontiers in Genetics, 2021, 12, 659012.	1.1	1
9	TailTimer: A device for automating data collection in the rodent tail immersion assay. PLoS ONE, 2021, 16, e0256264.	1.1	3
10	Sex and heredity are determinants of drug intake in a novel model of rat oral oxycodone selfâ€administration. Genes, Brain and Behavior, 2021, 20, e12770.	1.1	5
11	Gene-by-environment modulation of lifespan and weight gain in the murine BXD family. Nature Metabolism, 2021, 3, 1217-1227.	5.1	27
12	A quantitative trait variant in Gabra2 underlies increased methamphetamine stimulant sensitivity. Genes, Brain and Behavior, 2021, 20, e12774.	1.1	4
13	Paraquat Toxicogenetics: Strain-Related Reduction of Tyrosine Hydroxylase Staining in Substantia Nigra in Mice. Frontiers in Toxicology, 2021, 3, 722518.	1.6	0
14	Sex and Strain Variation in Initial Sensitivity and Rapid Tolerance to Î”9â€“Tetrahydrocannabinol. Cannabis and Cannabinoid Research, 2020, 5, 231-245.	1.5	18
15	Bioinformatics identification and pharmacological validation of Kcnn3/KCa2 channels as a mediator of negative affective behaviors and excessive alcohol drinking in mice. Translational Psychiatry, 2020, 10, 414.	2.4	7
16	Facilitating Complex Trait Analysis via Reduced Complexity Crosses. Trends in Genetics, 2020, 36, 549-562.	2.9	35
17	Modeling the Genetic Basis of Individual Differences in Susceptibility to Gulf War Illness. Brain Sciences, 2020, 10, 143.	1.1	11
18	Systems Genetics and Systems Biology Analysis of Paraquat Neurotoxicity in BXD Recombinant Inbred Mice. Toxicological Sciences, 2020, 176, 137-146.	1.4	5

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19	Genetic Factors Mediate the Impact of Chronic Stress and Subsequent Response to Novel Acute Stress. Frontiers in Neuroscience, 2019, 13, 438.	1.4	25
20	Genetic Factors in Cannabinoid Use and Dependence. Advances in Experimental Medicine and Biology, 2019, 1162, 129-150.	0.8	25
21	Systems Genetics for Evolutionary Studies. Methods in Molecular Biology, 2019, 1910, 635-652.	0.4	1
22	Comparison and Functional Genetic Analysis of Striatal Protein Expression Among Diverse Inbred Mouse Strains. Frontiers in Molecular Neuroscience, 2019, 12, 128.	1.4	12
23	Impact of Genetic Variation on Stressâ€Related Ethanol Consumption. Alcoholism: Clinical and Experimental Research, 2019, 43, 1391-1402.	1.4	4
24	Identification of a Functional Non-coding Variant in the GABAA Receptor Î±2 Subunit of the C57BL/6J Mouse Reference Genome: Major Implications for Neuroscience Research. Frontiers in Genetics, 2019, 10, 188.	1.1	56
25	Exploring the involvement of Tac2 in the mouse hippocampal stress response through gene networking. Gene, 2019, 696, 176-185.	1.0	4
26	Cyfip1 Haploinsufficiency Increases Compulsive-Like Behavior and Modulates Palatable Food Intake in Mice: Dependence on Cyfip2 Genetic Background, Parent-of Origin, and Sex. G3: Genes, Genomes, Genetics, 2019, 9, 3009-3022.	0.8	19
27	Impact of C57BL/6 substrain on sex-dependent differences in mouse stroke models. Neurochemistry International, 2019, 127, 12-21.	1.9	7
28	C57BL/6 substrain differences in inflammatory and neuropathic nociception and genetic mapping of a major quantitative trait locus underlying acute thermal nociception. Molecular Pain, 2019, 15, 174480691882504.	1.0	25
29	Substrain- and sex-dependent differences in stroke vulnerability in C57BL/6 mice. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 426-438.	2.4	32
30	Cross-species molecular dissection across alcohol behavioral domains. Alcohol, 2018, 72, 19-31.	0.8	12
31	Postâ€genomic behavioral genetics: From revolution to routine. Genes, Brain and Behavior, 2018, 17, e12441.	1.1	17
32	Genetic Model to Study the Co-Morbid Phenotypes of Increased Alcohol Intake and Prior Stress-Induced Enhanced Fear Memory. Frontiers in Genetics, 2018, 9, 566.	1.1	12
33	Genetic differences in the behavioral organization of binge eating, conditioned food reward, and compulsive-like eating in C57BL/6J and DBA/2J strains. Physiology and Behavior, 2018, 197, 51-66.	1.0	14
34	Genetic Contribution to Initial and Progressive Alcohol Intake Among Recombinant Inbred Strains of Mice. Frontiers in Genetics, 2018, 9, 370.	1.1	15
35	Reduced Complexity Cross Design for Behavioral Genetics. , 2018, , 165-190.		22
36	Analyses of differentially expressed genes after exposure to acute stress, acute ethanol, or a combination of both in mice. Alcohol, 2017, 58, 139-151.	0.8	23

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37	Genetic divergence in the transcriptional engram of chronic alcohol abuse: A laser-capture RNA-seq study of the mouse mesocorticolimbic system. Alcohol, 2017, 58, 61-72.	0.8	12
38	GeneNetwork: A Toolbox for Systems Genetics. Methods in Molecular Biology, 2017, 1488, 75-120.	0.4	175
39	Cytoplasmic FMR1-Interacting Protein 2 Is a Major Genetic Factor Underlying Binge Eating. Biological Psychiatry, 2017, 81, 757-769.	0.7	78
40	Genetic Variation in the Social Environment Contributes to Health and Disease. PLoS Genetics, 2017, 13, e1006498.	1.5	110
41	Systems genetics identifies Hp1bp3 as a novel modulator of cognitive aging. Neurobiology of Aging, 2016, 46, 58-67.	1.5	34
42	Joint mouseâ€“human phenome-wide association to test gene function and disease risk. Nature Communications, 2016, 7, 10464.	5.8	190
43	The Genetic Architecture of Murine Glutathione Transferases. PLoS ONE, 2016, 11, e0148230.	1.1	15
44	Systems genetics of behavior: a prelude. Current Opinion in Behavioral Sciences, 2015, 2, 108-115.	2.0	19
45	Segregation of a Spontaneous Klrd1 (CD94) Mutation in DBA/2 Mouse Substrains. G3: Genes, Genomes, Genetics, 2015, 5, 235-239.	0.8	7
46	Genetic and informatic resources for multi-scale brain research. , 2014, , .		0
47	Expression, covariation, and genetic regulation of miRNA Biogenesis genes in brain supports their role in addiction, psychiatric disorders, and disease. Frontiers in Genetics, 2013, 4, 126.	1.1	30
48	A promoter polymorphism in the Per3 gene is associated with alcohol and stress response. Translational Psychiatry, 2012, 2, e73-e73.	2.4	63
49	Genetic and Molecular Network Analysis of Behavior. International Review of Neurobiology, 2012, 104, 135-157.	0.9	17
50	Genetic Control of a Central Pattern Generator: Rhythmic Oromotor Movement in Mice Is Controlled by a Major Locus near Atp1a2. PLoS ONE, 2012, 7, e38169.	1.1	17
51	Complex Control of GABA(A) Receptor Subunit mRNA Expression: Variation, Covariation, and Genetic Regulation. PLoS ONE, 2012, 7, e34586.	1.1	65
52	Molecular Profiles of Drinking Alcohol to Intoxication in C57BL/6J Mice. Alcoholism: Clinical and Experimental Research, 2011, 35, 659-670.	1.4	106
53	Genetic regulation of Nrnx1 expression: an integrative cross-species analysis of schizophrenia candidate genes. Translational Psychiatry, 2011, 1, e25-e25.	2.4	26
54	High-throughput sequencing of the DBA/2J mouse genome. BMC Bioinformatics, 2010, 11, .	1.2	21

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55	A Transposon in Comt Generates mRNA Variants and Causes Widespread Expression and Behavioral Differences among Mice. PLoS ONE, 2010, 5, e12181.	1.1	64
56	Alcohol trait and transcriptional genomic analysis of C57BL/6 substrains. Genes, Brain and Behavior, 2008, 7, 677-689.	1.1	81
57	Toward understanding the genetics of alcohol drinking through transcriptome meta-analysis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6368-6373.	3.3	349