

Megan K Mulligan

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,116
citations

361413

20
h-index

276875

41
g-index

69
all docs

69
docs citations

69
times ranked

2556
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward understanding the genetics of alcohol drinking through transcriptome meta-analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6368-6373.	7.1	349
2	Joint mouse-human phenome-wide association to test gene function and disease risk. <i>Nature Communications</i> , 2016, 7, 10464.	12.8	190
3	GeneNetwork: A Toolbox for Systems Genetics. <i>Methods in Molecular Biology</i> , 2017, 1488, 75-120.	0.9	175
4	A platform for experimental precision medicine: The extended BXD mouse family. <i>Cell Systems</i> , 2021, 12, 235-247.e9.	6.2	115
5	Genetic Variation in the Social Environment Contributes to Health and Disease. <i>PLoS Genetics</i> , 2017, 13, e1006498.	3.5	110
6	Molecular Profiles of Drinking Alcohol to Intoxication in C57BL/6J Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 659-670.	2.4	106
7	Alcohol trait and transcriptional genomic analysis of C57BL/6 substrains. <i>Genes, Brain and Behavior</i> , 2008, 7, 677-689.	2.2	81
8	Cytoplasmic FMR1-Interacting Protein 2 Is a Major Genetic Factor Underlying Binge Eating. <i>Biological Psychiatry</i> , 2017, 81, 757-769.	1.3	78
9	Complex Control of GABA(A) Receptor Subunit mRNA Expression: Variation, Covariation, and Genetic Regulation. <i>PLoS ONE</i> , 2012, 7, e34586.	2.5	65
10	A Transposon in <i>Comt</i> Generates mRNA Variants and Causes Widespread Expression and Behavioral Differences among Mice. <i>PLoS ONE</i> , 2010, 5, e12181.	2.5	64
11	A promoter polymorphism in the <i>Per3</i> gene is associated with alcohol and stress response. <i>Translational Psychiatry</i> , 2012, 2, e73-e73.	4.8	63
12	Identification of a Functional Non-coding Variant in the GABAA Receptor $\alpha 2$ Subunit of the C57BL/6J Mouse Reference Genome: Major Implications for Neuroscience Research. <i>Frontiers in Genetics</i> , 2019, 10, 188.	2.3	56
13	Facilitating Complex Trait Analysis via Reduced Complexity Crosses. <i>Trends in Genetics</i> , 2020, 36, 549-562.	6.7	35
14	Systems genetics identifies <i>Hp1bp3</i> as a novel modulator of cognitive aging. <i>Neurobiology of Aging</i> , 2016, 46, 58-67.	3.1	34
15	Substrain- and sex-dependent differences in stroke vulnerability in C57BL/6 mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 426-438.	4.3	32
16	Expression, covariation, and genetic regulation of miRNA Biogenesis genes in brain supports their role in addiction, psychiatric disorders, and disease. <i>Frontiers in Genetics</i> , 2013, 4, 126.	2.3	30
17	Gene-by-environment modulation of lifespan and weight gain in the murine BXD family. <i>Nature Metabolism</i> , 2021, 3, 1217-1227.	11.9	27
18	Genetic regulation of <i>Nrxn1</i> expression: an integrative cross-species analysis of schizophrenia candidate genes. <i>Translational Psychiatry</i> , 2011, 1, e25-e25.	4.8	26

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19	Genetic Factors Mediate the Impact of Chronic Stress and Subsequent Response to Novel Acute Stress. <i>Frontiers in Neuroscience</i> , 2019, 13, 438.	2.8	25
20	Genetic Factors in Cannabinoid Use and Dependence. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1162, 129-150.	1.6	25
21	C57BL/6 substrain differences in inflammatory and neuropathic nociception and genetic mapping of a major quantitative trait locus underlying acute thermal nociception. <i>Molecular Pain</i> , 2019, 15, 174480691882504.	2.1	25
22	Analyses of differentially expressed genes after exposure to acute stress, acute ethanol, or a combination of both in mice. <i>Alcohol</i> , 2017, 58, 139-151.	1.7	23
23	Reduced Complexity Cross Design for Behavioral Genetics. , 2018, , 165-190.		22
24	High-throughput sequencing of the DBA/2J mouse genome. <i>BMC Bioinformatics</i> , 2010, 11, .	2.6	21
25	Systems genetics of behavior: a prelude. <i>Current Opinion in Behavioral Sciences</i> , 2015, 2, 108-115.	3.9	19
26	<i>Cyfp1</i> Haploinsufficiency Increases Compulsive-Like Behavior and Modulates Palatable Food Intake in Mice: Dependence on <i>Cyfp2</i> Genetic Background, Parent-of Origin, and Sex. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 3009-3022.	1.8	19
27	Sex and Strain Variation in Initial Sensitivity and Rapid Tolerance to δ^9 -Tetrahydrocannabinol. <i>Cannabis and Cannabinoid Research</i> , 2020, 5, 231-245.	2.9	18
28	Genetic and Molecular Network Analysis of Behavior. <i>International Review of Neurobiology</i> , 2012, 104, 135-157.	2.0	17
29	Genetic Control of a Central Pattern Generator: Rhythmic Oromotor Movement in Mice Is Controlled by a Major Locus near <i>Atp1a2</i> . <i>PLoS ONE</i> , 2012, 7, e38169.	2.5	17
30	Post-genomic behavioral genetics: From revolution to routine. <i>Genes, Brain and Behavior</i> , 2018, 17, e12441.	2.2	17
31	Genetic Contribution to Initial and Progressive Alcohol Intake Among Recombinant Inbred Strains of Mice. <i>Frontiers in Genetics</i> , 2018, 9, 370.	2.3	15
32	The Genetic Architecture of Murine Glutathione Transferases. <i>PLoS ONE</i> , 2016, 11, e0148230.	2.5	15
33	Genetic differences in the behavioral organization of binge eating, conditioned food reward, and compulsive-like eating in C57BL/6J and DBA/2J strains. <i>Physiology and Behavior</i> , 2018, 197, 51-66.	2.1	14
34	Genetic divergence in the transcriptional engram of chronic alcohol abuse: A laser-capture RNA-seq study of the mouse mesocorticolimbic system. <i>Alcohol</i> , 2017, 58, 61-72.	1.7	12
35	Cross-species molecular dissection across alcohol behavioral domains. <i>Alcohol</i> , 2018, 72, 19-31.	1.7	12
36	Genetic Model to Study the Co-Morbid Phenotypes of Increased Alcohol Intake and Prior Stress-Induced Enhanced Fear Memory. <i>Frontiers in Genetics</i> , 2018, 9, 566.	2.3	12

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37	Comparison and Functional Genetic Analysis of Striatal Protein Expression Among Diverse Inbred Mouse Strains. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 128.	2.9	12
38	Modeling the Genetic Basis of Individual Differences in Susceptibility to Gulf War Illness. <i>Brain Sciences</i> , 2020, 10, 143.	2.3	11
39	Gabra2 is a genetic modifier of Dravet syndrome in mice. <i>Mammalian Genome</i> , 2021, 32, 350-363.	2.2	11
40	GeneCup: mining PubMed and GWAS catalog for gene-keyword relationships. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	8
41	Segregation of a Spontaneous Klr1 (CD94) Mutation in DBA/2 Mouse Substrains. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 235-239.	1.8	7
42	Impact of C57BL/6 substrain on sex-dependent differences in mouse stroke models. <i>Neurochemistry International</i> , 2019, 127, 12-21.	3.8	7
43	Bioinformatics identification and pharmacological validation of Kcnn3/KCa2 channels as a mediator of negative affective behaviors and excessive alcohol drinking in mice. <i>Translational Psychiatry</i> , 2020, 10, 414.	4.8	7
44	Identification of cyclin D1 as a major modulator of 3-nitropropionic acid-induced striatal neurodegeneration. <i>Neurobiology of Disease</i> , 2022, 162, 105581.	4.4	6
45	Systems Genetics and Systems Biology Analysis of Paraquat Neurotoxicity in BXD Recombinant Inbred Mice. <i>Toxicological Sciences</i> , 2020, 176, 137-146.	3.1	5
46	Sex and heredity are determinants of drug intake in a novel model of rat oral oxycodone self-administration. <i>Genes, Brain and Behavior</i> , 2021, 20, e12770.	2.2	5
47	Impact of Genetic Variation on Stress-Related Ethanol Consumption. <i>Alcoholism: Clinical and Experimental Research</i> , 2019, 43, 1391-1402.	2.4	4
48	Exploring the involvement of Tac2 in the mouse hippocampal stress response through gene networking. <i>Gene</i> , 2019, 696, 176-185.	2.2	4
49	Systems genetic analysis of binge-like eating in a C57BL/6J x DBA/2J F2 cross. <i>Genes, Brain and Behavior</i> , 2021, 20, e12751.	2.2	4
50	A quantitative trait variant in <i>Gabra2</i> underlies increased methamphetamine stimulant sensitivity. <i>Genes, Brain and Behavior</i> , 2021, 20, e12774.	2.2	4
51	TailTimer: A device for automating data collection in the rodent tail immersion assay. <i>PLoS ONE</i> , 2021, 16, e0256264.	2.5	3
52	Genetic differences in ethanol consumption: effects on iron, copper, and zinc regulation in mouse hippocampus. <i>BioMetals</i> , 2021, 34, 1059-1066.	4.1	2
53	Systems Genetics for Evolutionary Studies. <i>Methods in Molecular Biology</i> , 2019, 1910, 635-652.	0.9	1
54	Genetic Modulation of Initial Sensitivity to δ^9 -Tetrahydrocannabinol (THC) Among the BXD Family of Mice. <i>Frontiers in Genetics</i> , 2021, 12, 659012.	2.3	1

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55	Genetic and informatic resources for multi-scale brain research. , 2014, , .		0
56	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.	1.7	0
57	Paraquat Toxicogenetics: Strain-Related Reduction of Tyrosine Hydroxylase Staining in Substantia Nigra in Mice. Frontiers in Toxicology, 2021, 3, 722518.	3.1	0