

Justin S Rhodes

List of Publications by Year in descending order

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94
papers

4,532
citations

117625

34
h-index

106344

65
g-index

95
all docs

95
docs citations

95
times ranked

5570
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of a simple model of ethanol drinking to intoxication in C57BL/6J mice. <i>Physiology and Behavior</i> , 2005, 84, 53-63.	2.1	695
2	Neurogenesis, inflammation and behavior. <i>Brain, Behavior, and Immunity</i> , 2013, 27, 22-32.	4.1	320
3	Exercise increases hippocampal neurogenesis to high levels but does not improve spatial learning in mice bred for increased voluntary wheel running.. <i>Behavioral Neuroscience</i> , 2003, 117, 1006-1016.	1.2	225
4	Patterns of Brain Activity Associated With Variation in Voluntary Wheel-Running Behavior.. <i>Behavioral Neuroscience</i> , 2003, 117, 1243-1256.	1.2	218
5	Neurobiology of Mice Selected for High Voluntary Wheel-running Activity. <i>Integrative and Comparative Biology</i> , 2005, 45, 438-455.	2.0	176
6	A Line of Mice Selected for High Blood Ethanol Concentrations Shows Drinking in the Dark to Intoxication. <i>Biological Psychiatry</i> , 2009, 65, 662-670.	1.3	144
7	Wheel running attenuates microglia proliferation and increases expression of a proneurogenic phenotype in the hippocampus of aged mice. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 803-810.	4.1	140
8	The mechanisms of action of flavonoids in the brain: Direct versus indirect effects. <i>Neurochemistry International</i> , 2015, 89, 126-139.	3.8	132
9	Functional analysis of neurovascular adaptations to exercise in the dentate gyrus of young adult mice associated with cognitive gain. <i>Hippocampus</i> , 2009, 19, 937-950.	1.9	124
10	Corticotropin-Releasing Factor Inhibits Maternal Aggression in Mice.. <i>Behavioral Neuroscience</i> , 2004, 118, 805-814.	1.2	111
11	Exercise reduces activation of microglia isolated from hippocampus and brain of aged mice. <i>Journal of Neuroinflammation</i> , 2013, 10, 114.	7.2	108
12	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
13	Open-field behavior of house mice selectively bred for high voluntary wheel-running. <i>Behavior Genetics</i> , 2001, 31, 309-316.	2.1	83
14	Phenotypic and Evolutionary Plasticity of Organ Masses in Response to Voluntary Exercise in House Mice. <i>Integrative and Comparative Biology</i> , 2005, 45, 426-437.	2.0	74
15	Voluntary wheel running, but not a diet containing (âˆ-)epigallocatechin-3-gallate and Î²-alanine, improves learning, memory and hippocampal neurogenesis in aged mice. <i>Behavioural Brain Research</i> , 2014, 272, 131-140.	2.2	71
16	Effects of minocycline on spatial learning, hippocampal neurogenesis and microglia in aged and adult mice. <i>Behavioural Brain Research</i> , 2013, 242, 17-24.	2.2	68
17	Wheel running can accelerate or delay extinction of conditioned place preference for cocaine in male C57BL/6J mice, depending on timing of wheel access. <i>European Journal of Neuroscience</i> , 2011, 34, 1161-1169.	2.6	64
18	Ultraminaturized photovoltaic and radio frequency powered optoelectronic systems for wireless optogenetics. <i>Journal of Neural Engineering</i> , 2015, 12, 056002.	3.5	64

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19	Acute Effects of Acamprosate and MPEP on Ethanol Drinking in the Dark in Male C57BL/6J Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 1992-1998.	2.4	61
20	Voluntary Wheel Running Reverses Age-Induced Changes in Hippocampal Gene Expression. <i>PLoS ONE</i> , 2011, 6, e22654.	2.5	61
21	Predatory aggression, but not maternal or intermale aggression, is associated with high voluntary wheel-running behavior in mice. <i>Hormones and Behavior</i> , 2003, 44, 209-221.	2.1	54
22	Evaluation of a pharmacokinetic hypothesis for reduced locomotor stimulation from methamphetamine and cocaine in adolescent versus adult male C57BL/6J mice. <i>Psychopharmacology</i> , 2009, 201, 589-599.	3.1	54
23	A new perspective of the hippocampus in the origin of exercise-brain interactions. <i>Brain Structure and Function</i> , 2018, 223, 2527-2545.	2.3	54
24	Exercise Regulation of Cognitive Function and Neuroplasticity in the Healthy and Diseased Brain. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 135, 381-406.	1.7	52
25	Adult hippocampal neurogenesis and c-Fos induction during escalation of voluntary wheel running in C57BL/6J mice. <i>Behavioural Brain Research</i> , 2010, 213, 246-252.	2.2	51
26	Male Superiority in Spatial Navigation: Adaptation or Side Effect?. <i>Quarterly Review of Biology</i> , 2012, 87, 289-313.	0.1	49
27	Gene expression induced by drugs of abuse. <i>Current Opinion in Pharmacology</i> , 2005, 5, 26-33.	3.5	48
28	New neurons generated from running are broadly recruited into neuronal activation associated with three different hippocampal-involved tasks. <i>Hippocampus</i> , 2012, 22, 1860-1867.	1.9	46
29	Hybrid C57BL/6J ?? FVB/NJ Mice Drink More Alcohol than Do C57BL/6J Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2005, 29, 1949-1958.	2.4	44
30	Patterns of Brain Activation Associated With Contextual Conditioning to Methamphetamine in Mice.. <i>Behavioral Neuroscience</i> , 2005, 119, 759-771.	1.2	43
31	Mouse genetic differences in voluntary wheel running, adult hippocampal neurogenesis and learning on the multi-strain-adapted plus water maze. <i>Behavioural Brain Research</i> , 2015, 280, 62-71.	2.2	40
32	Long-lasting impairments in adult neurogenesis, spatial learning and memory from a standard chemotherapy regimen used to treat breast cancer. <i>Behavioural Brain Research</i> , 2016, 315, 10-22.	2.2	40
33	Selective Breeding for Increased Home Cage Physical Activity in Collaborative Cross and Hsd:ICR Mice. <i>Behavior Genetics</i> , 2011, 41, 571-582.	2.1	38
34	Exercise but not (â€“)epigallocatechin-3-gallate or Î²-alanine enhances physical fitness, brain plasticity, and behavioral performance in mice. <i>Physiology and Behavior</i> , 2015, 145, 29-37.	2.1	37
35	Neuroanatomical specificity of conditioned responses to cocaine versus food in mice. <i>Physiology and Behavior</i> , 2008, 93, 637-650.	2.1	35
36	Voluntary wheel running enhances contextual but not trace fear conditioning. <i>Behavioural Brain Research</i> , 2012, 226, 1-7.	2.2	35

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37	Blockade of arginine vasotocin signaling reduces aggressive behavior and c-Fos expression in the preoptic area and periventricular nucleus of the posterior tuberculum in male <i>Amphiprion ocellaris</i> . <i>Neuroscience</i> , 2014, 267, 205-218.	2.3	35
38	Opioid-mediated pain sensitivity in mice bred for high voluntary wheel running. <i>Physiology and Behavior</i> , 2004, 83, 515-524.	2.1	34
39	High motivation for exercise is associated with altered chromatin regulators of monoamine receptor gene expression in the striatum of selectively bred mice. <i>Genes, Brain and Behavior</i> , 2017, 16, 328-341.	2.2	33
40	Fructose decreases physical activity and increases body fat without affecting hippocampal neurogenesis and learning relative to an isocaloric glucose diet. <i>Scientific Reports</i> , 2015, 5, 9589.	3.3	32
41	Increased consumption of ethanol and sugar water in mice lacking the dopamine D2 long receptor. <i>Alcohol</i> , 2011, 45, 631-639.	1.7	31
42	A new mouse model of ADHD for medication development. <i>Scientific Reports</i> , 2016, 6, 39472.	3.3	30
43	Opposite effects of nonapeptide antagonists on paternal behavior in the teleost fish <i>Amphiprion ocellaris</i> . <i>Hormones and Behavior</i> , 2017, 90, 113-119.	2.1	29
44	Top-Down Proteomics Enables Comparative Analysis of Brain Proteoforms Between Mouse Strains. <i>Analytical Chemistry</i> , 2018, 90, 3802-3810.	6.5	27
45	A similar pattern of neuronal Fos activation in 10 brain regions following exposure to reward- or aversion-associated contextual cues in mice. <i>Physiology and Behavior</i> , 2010, 99, 412-418.	2.1	26
46	Comparative Performance of Genetically Similar Hatchery and Naturally Reared Juvenile Coho Salmon in Streams. <i>North American Journal of Fisheries Management</i> , 1999, 19, 670-677.	1.0	25
47	Acute locomotor responses to cocaine in adolescents vs. adults from four divergent inbred mouse strains. <i>Genes, Brain and Behavior</i> , 2010, 9, 892-898.	2.2	24
48	Behavioral and Pharmacological Evaluation of a Selectively Bred Mouse Model of Home Cage Hyperactivity. <i>Behavior Genetics</i> , 2014, 44, 516-534.	2.1	24
49	Heterozygous loss of epilepsy gene <i>KCNQ2</i> alters social, repetitive and exploratory behaviors. <i>Genes, Brain and Behavior</i> , 2020, 19, e12599.	2.2	24
50	Cerebellum Transcriptome of Mice Bred for High Voluntary Activity Offers Insights into Locomotor Control and Reward-Dependent Behaviors. <i>PLoS ONE</i> , 2016, 11, e0167095.	2.5	22
51	Ethanol Withdrawal-Associated Drinking and Drinking in the Dark: Common and Discrete Genetic Contributions. <i>Addiction Genetics</i> , 2012, 1, 3-11.	0.5	21
52	Dynamic regulation of brain aromatase and isotocin receptor gene expression depends on parenting status. <i>Hormones and Behavior</i> , 2018, 103, 62-70.	2.1	21
53	The impact of skeletal muscle contraction on CD146 ⁺ Lin ⁺ pericytes. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C1011-C1024.	4.6	18
54	Sex Differences in Steroid Hormones and Parental Effort across the Breeding Cycle in <i>Amphiprion ocellaris</i> . <i>Copeia</i> , 2016, 104, 586-593.	1.3	17

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55	Effects of exercise and dietary epigallocatechin gallate and β -alanine on skeletal muscle in aged mice. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 181-190.	1.9	17
56	Differential peptidomics assessment of strain and age differences in mice in response to acute cocaine administration. <i>Journal of Neurochemistry</i> , 2015, 135, 1038-1048.	3.9	15
57	Active feminization of the preoptic area occurs independently of the gonads in <i>Amphiprion ocellaris</i> . <i>Hormones and Behavior</i> , 2019, 112, 65-76.	2.1	15
58	Brain region-dependent gene networks associated with selective breeding for increased voluntary wheel-running behavior. <i>PLoS ONE</i> , 2018, 13, e0201773.	2.5	13
59	Exercise training effects on hypoxic and hypercapnic ventilatory responses in mice selected for increased voluntary wheel running. <i>Experimental Physiology</i> , 2014, 99, 403-413.	2.0	12
60	A unique combination of micronutrients rejuvenates cognitive performance in aged mice. <i>Behavioural Brain Research</i> , 2017, 320, 97-112.	2.2	12
61	Long-term supplementation with EGCG and beta-alanine decreases mortality but does not affect cognitive or muscle function in aged mice. <i>Experimental Gerontology</i> , 2017, 98, 22-29.	2.8	12
62	Impact of β -hydroxy β -methylbutyrate (HMB) on age-related functional deficits in mice. <i>Experimental Gerontology</i> , 2017, 87, 57-66.	2.8	12
63	Striatal transcriptome of a mouse model of ADHD reveals a pattern of synaptic remodeling. <i>PLoS ONE</i> , 2018, 13, e0201553.	2.5	12
64	Differential impacts on multiple forms of spatial and contextual memory in diazepam binding inhibitor knockout mice. <i>Journal of Neuroscience Research</i> , 2019, 97, 683-697.	2.9	12
65	Spontaneous seizure and memory loss in mice expressing an epileptic encephalopathy variant in the calmodulin-binding domain of K _v 7.2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
66	Early postnatal respiratory viral infection alters hippocampal neurogenesis, cell fate, and neuron morphology in the neonatal piglet. <i>Brain, Behavior, and Immunity</i> , 2015, 44, 82-90.	4.1	11
67	Clostridial enteropathy in lactating outbred swiss-derived (ICR) mice. <i>Journal of the American Association for Laboratory Animal Science</i> , 2006, 45, 80-7.	1.2	11
68	The Contribution of Adult Hippocampal Neurogenesis to the Progression of Psychiatric Disorders. <i>Modern Problems of Pharmacopsychiatry</i> , 2017, 31, 124-151.	2.5	10
69	Behavioral response to fiber feeding is cohort-dependent and associated with gut microbiota composition in mice. <i>Behavioural Brain Research</i> , 2019, 359, 731-736.	2.2	10
70	Nonapeptides mediate trade-offs in parental care strategy. <i>Hormones and Behavior</i> , 2020, 121, 104717.	2.1	10
71	CRISPR/Cas9-mediated generation of biallelic FO anemonefish (<i>Amphiprion ocellaris</i>) mutants. <i>PLoS ONE</i> , 2021, 16, e0261331.	2.5	10
72	Satiety and memory enhancing effects of a high-protein meal depend on the source of protein. <i>Nutritional Neuroscience</i> , 2018, 21, 257-267.	3.1	9

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73	Impact of bisphenol-A and synthetic estradiol on brain, behavior, gonads and sex hormones in a sexually labile coral reef fish. <i>Hormones and Behavior</i> , 2021, 136, 105043.	2.1	8
74	The impact of mechanically stimulated muscle-derived stromal cells on aged skeletal muscle. <i>Experimental Gerontology</i> , 2018, 103, 35-46.	2.8	7
75	Voluntary wheel running has no impact on brain and liver mitochondrial DNA copy number or mutation measures in the PolG mouse model of aging. <i>PLoS ONE</i> , 2020, 15, e0226860.	2.5	7
76	The impact of maternal neglect on genetic hyperactivity. <i>Behavioural Brain Research</i> , 2016, 313, 282-292.	2.2	6
77	Exploring Exercise- and Context-Induced Peptide Changes in Mice by Quantitative Mass Spectrometry. <i>ACS Omega</i> , 2018, 3, 13817-13827.	3.5	6
78	Electrically stimulated hind limb muscle contractions increase adult hippocampal astroglialogenesis but not neurogenesis or behavioral performance in male C57BL/6J mice. <i>Scientific Reports</i> , 2020, 10, 19319.	3.3	6
79	Brain α -Tocopherol Concentration and Stereoisomer Profile Alter Hippocampal Gene Expression in Weanling Mice. <i>Journal of Nutrition</i> , 2020, 150, 3075-3085.	2.9	6
80	Spontaneous alloparental care of unrelated offspring by non-breeding <i>Amphiprion ocellaris</i> in absence of the biological parents. <i>Scientific Reports</i> , 2020, 10, 4610.	3.3	6
81	Infantile spasms-linked Nedd4 ^{ΔE2} mediates hippocampal plasticity and learning via cofilin signaling. <i>EMBO Reports</i> , 2021, 22, e52645.	4.5	6
82	Progress towards finding genes for alcoholism in mice. <i>Clinical Neuroscience Research</i> , 2003, 3, 315-323.	0.8	5
83	Cognitive function is preserved in aged mice following long-term α -hydroxy β -methylbutyrate supplementation. <i>Nutritional Neuroscience</i> , 2020, 23, 170-182.	3.1	5
84	Characterization of the prohormone complement in <i>Amphiprion</i> and related fish species integrating genome and transcriptome assemblies. <i>PLoS ONE</i> , 2020, 15, e0228562.	2.5	4
85	Conditioned place preference for cocaine and methylphenidate in female mice from lines selectively bred for high voluntary <sc>wheel</sc> running behavior. <i>Genes, Brain and Behavior</i> , 2021, 20, e12700.	2.2	4
86	Dose-dependent decrease in mortality with no cognitive or muscle function improvements due to dietary EGCG supplementation in aged mice. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 495-502.	1.9	2
87	Barriers to inclusion: Service dog handlers in science laboratories. <i>Disability and Health Journal</i> , 2021, 14, 101070.	2.8	1
88	Increased capacity for glycogen turnover in the rat ventromedial hypothalamus (VMH) following hypoglycemia (LB449). <i>FASEB Journal</i> , 2014, 28, LB449.	0.5	0
89	Performance of young and aged C57BL/6J mice on cognitive task depends on the task (629.2). <i>FASEB Journal</i> , 2014, 28, 629.2.	0.5	0
90	Impact Of Exercise And/or Beta-alanine And Egcg On Muscle Function And Inflammation In Aged Mice. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 77.	0.4	0

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91	Title is missing!. , 2020, 15, e0226860.		0
92	Title is missing!. , 2020, 15, e0226860.		0
93	Title is missing!.. , 2020, 15, e0226860.		0
94	Title is missing!.. , 2020, 15, e0226860.		0