

# Ryan W Logan

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

3,290  
citations

201674

27  
h-index

175258

52  
g-index

78  
all docs

78  
docs citations

78  
times ranked

4506  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhythms of life: circadian disruption and brain disorders across the lifespan. <i>Nature Reviews Neuroscience</i> , 2019, 20, 49-65.	10.2	354
2	Effects of aging on circadian patterns of gene expression in the human prefrontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 206-211.	7.1	215
3	Opposite Molecular Signatures of Depression in Men and Women. <i>Biological Psychiatry</i> , 2018, 84, 18-27.	1.3	205
4	Improved identification of concordant and discordant gene expression signatures using an updated rank-rank hypergeometric overlap approach. <i>Scientific Reports</i> , 2018, 8, 9588.	3.3	185
5	Circadian nature of immune function. <i>Molecular and Cellular Endocrinology</i> , 2012, 349, 82-90.	3.2	146
6	Cocaine Self-administration Alters Transcriptome-wide Responses in the Brain's Reward Circuitry. <i>Biological Psychiatry</i> , 2018, 84, 867-880.	1.3	132
7	Impact of Sleep and Circadian Rhythms on Addiction Vulnerability in Adolescents. <i>Biological Psychiatry</i> , 2018, 83, 987-996.	1.3	130
8	Probing the lithium-response pathway in hiPSCs implicates the phosphoregulatory set-point for a cytoskeletal modulator in bipolar pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4462-E4471.	7.1	129
9	Chronic Shift-Lag Alters the Circadian Clock of NK Cells and Promotes Lung Cancer Growth in Rats. <i>Journal of Immunology</i> , 2012, 188, 2583-2591.	0.8	120
10	Chronic Stress Induces Brain Region-Specific Alterations of Molecular Rhythms that Correlate with Depression-like Behavior in Mice. <i>Biological Psychiatry</i> , 2015, 78, 249-258.	1.3	119
11	Circadian rhythms and addiction: Mechanistic insights and future directions.. <i>Behavioral Neuroscience</i> , 2014, 128, 387-412.	1.2	115
12	High-precision genetic mapping of behavioral traits in the diversity outbred mouse population. <i>Genes, Brain and Behavior</i> , 2013, 12, 424-437.	2.2	110
13	Animal models of bipolar mania: The past, present and future. <i>Neuroscience</i> , 2016, 321, 163-188.	2.3	100
14	Transcriptional Alterations in Dorsolateral Prefrontal Cortex and Nucleus Accumbens Implicate Neuroinflammation and Synaptic Remodeling in Opioid Use Disorder. <i>Biological Psychiatry</i> , 2021, 90, 550-562.	1.3	76
15	Diurnal rhythms in gene expression in the prefrontal cortex in schizophrenia. <i>Nature Communications</i> , 2019, 10, 3355.	12.8	67
16	Effects of ethanol intake and ethanol withdrawal on free-running circadian activity rhythms in rats. <i>Physiology and Behavior</i> , 2005, 84, 537-542.	2.1	63
17	Chronic Ethanol Intake Alters Circadian Phase Shifting and Free-Running Period in Mice. <i>Journal of Biological Rhythms</i> , 2009, 24, 304-312.	2.6	61
18	Dopamine regulates pancreatic glucagon and insulin secretion via adrenergic and dopaminergic receptors. <i>Translational Psychiatry</i> , 2021, 11, 59.	4.8	50

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19	Role of sympathetic nervous system in the entrainment of circadian natural-killer cell function. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 101-109.	4.1	44
20	NPAS2 Regulation of Anxiety-Like Behavior and GABAA Receptors. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 360.	2.9	44
21	Circadian activity rhythms in selectively bred ethanol-preferring and nonpreferring rats. <i>Alcohol</i> , 2005, 36, 69-81.	1.7	41
22	Altered Circadian Expression of Cytokines and Cytolytic Factors in Splenic Natural Killer Cells of <i>Per1</i> Mutant Mice. <i>Journal of Interferon and Cytokine Research</i> , 2013, 33, 108-114.	1.2	41
23	Chronic Ethanol Intake Alters Circadian Periodic Responses to Brief Light Pulses in Rats. <i>Chronobiology International</i> , 2005, 22, 227-236.	2.0	40
24	Chronic ethanol intake modulates photic and non-photoc circadian phase responses in the Syrian hamster. <i>Pharmacology Biochemistry and Behavior</i> , 2007, 87, 297-305.	2.9	38
25	NAD <sup>+</sup> cellular redox and SIRT1 regulate the diurnal rhythms of tyrosine hydroxylase and conditioned cocaine reward. <i>Molecular Psychiatry</i> , 2019, 24, 1668-1684.	7.9	37
26	Neural Mechanisms of Circadian Regulation of Natural and Drug Reward. <i>Neural Plasticity</i> , 2017, 2017, 1-14.	2.2	34
27	Pharmacogenetic Manipulation of the Nucleus Accumbens Alters Binge-Like Alcohol Drinking in Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 879-888.	2.4	33
28	Sex-Specific Effects of Stress on Mood-Related Gene Expression. <i>Molecular Neuropsychiatry</i> , 2019, 5, 162-176.	2.9	29
29	Cell-Type-Specific Regulation of Nucleus Accumbens Synaptic Plasticity and Cocaine Reward Sensitivity by the Circadian Protein, NPAS2. <i>Journal of Neuroscience</i> , 2019, 39, 4657-4667.	3.6	28
30	Roles of inflammation in intrinsic pathophysiology and antipsychotic drug-induced metabolic disturbances of schizophrenia. <i>Behavioural Brain Research</i> , 2021, 402, 113101.	2.2	28
31	Effects of Withdrawal from Chronic Intermittent Ethanol Vapor on the Level and Circadian Periodicity of Running Wheel Activity in C57BL/6J and C3H/HeJ Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 467-476.	2.4	25
32	Characterization of genetically complex Collaborative Cross mouse strains that model divergent locomotor activating and reinforcing properties of cocaine. <i>Psychopharmacology</i> , 2020, 237, 979-996.	3.1	25
33	Roles of dopamine and glutamate release in the nucleus accumbens in mediating the actions of drugs of abuse. <i>FEBS Journal</i> , 2021, 288, 1462-1474.	4.7	25
34	Astrocyte Molecular Clock Function in the Nucleus Accumbens Is Important for Reward-Related Behavior. <i>Biological Psychiatry</i> , 2022, 92, 68-80.	1.3	24
35	Circadian rhythms and metabolism: from the brain to the gut and back again. <i>Annals of the New York Academy of Sciences</i> , 2016, 1385, 21-40.	3.8	22
36	Sex differences in adult mood and in stress-induced transcriptional coherence across mesocorticolimbic circuitry. <i>Translational Psychiatry</i> , 2020, 10, 59.	4.8	22

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37	Relevance of interactions between dopamine and glutamate neurotransmission in schizophrenia. <i>Molecular Psychiatry</i> , 2022, 27, 3583-3591.	7.9	22
38	Circadian-Dependent and Sex-Dependent Increases in Intravenous Cocaine Self-Administration in <i>Npas2</i> Mutant Mice. <i>Journal of Neuroscience</i> , 2021, 41, 1046-1058.	3.6	20
39	Vesicular glutamate transporter modulates sex differences in dopamine neuron vulnerability to age-related neurodegeneration. <i>Aging Cell</i> , 2021, 20, e13365.	6.7	20
40	Circadian wheel-running activity during withdrawal from chronic intermittent ethanol exposure in mice. <i>Alcohol</i> , 2010, 44, 239-244.	1.7	19
41	Male C57BL6/N and C57BL6/J Mice Respond Differently to Constant Light and Running-Wheel Access. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 268.	2.0	19
42	VGLUT2 Is a Determinant of Dopamine Neuron Resilience in a Rotenone Model of Dopamine Neurodegeneration. <i>Journal of Neuroscience</i> , 2021, 41, 4937-4947.	3.6	17
43	Sex Differences in Behavioral and Brainstem Transcriptomic Neuroadaptations following Neonatal Opioid Exposure in Outbred Mice. <i>ENeuro</i> , 2021, 8, ENEURO.0143-21.2021.	1.9	17
44	Valproate reverses mania-like behaviors in mice via preferential targeting of HDAC2. <i>Molecular Psychiatry</i> , 2021, 26, 4066-4084.	7.9	16
45	<i>Î²</i> -Endorphin Neuronal Transplantation Into the Hypothalamus Alters Anxiety-Like Behaviors in Prenatal Alcohol-Exposed Rats and Alcohol-Nonpreferring and Alcohol-Preferring Rats. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 146-157.	2.4	14
46	Molecular rhythm alterations in prefrontal cortex and nucleus accumbens associated with opioid use disorder. <i>Translational Psychiatry</i> , 2022, 12, 123.	4.8	14
47	The intertwined roles of circadian rhythms and neuronal metabolism fueling drug reward and addiction. <i>Current Opinion in Physiology</i> , 2018, 5, 80-89.	1.8	13
48	Prospects for finding the mechanisms of sex differences in addiction with human and model organism genetic analysis. <i>Genes, Brain and Behavior</i> , 2020, 19, e12645.	2.2	13
49	A Glitch in the Matrix: The Role of Extracellular Matrix Remodeling in Opioid Use Disorder. <i>Frontiers in Integrative Neuroscience</i> , 0, 16, .	2.1	13
50	Long-term wheel-running and acute 6-h advances alter glucose tolerance and insulin levels in TALLYHO/Jngl mice. <i>Chronobiology International</i> , 2016, 33, 108-116.	2.0	12
51	Sex Differences in Molecular Rhythms in the Human Cortex. <i>Biological Psychiatry</i> , 2022, 91, 152-162.	1.3	12
52	Evidence for Possible Period 2 Gene Mediation of the Effects of Alcohol Exposure During the Postnatal Period on Genes Associated with Maintaining Metabolic Signaling in the Mouse Hypothalamus. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 263-269.	2.4	10
53	Experimentally imposed circadian misalignment alters the neural response to monetary rewards and response inhibition in healthy adolescents. <i>Psychological Medicine</i> , 2021, , 1-9.	4.5	10
54	Substrain specific behavioral responses in male C57BL/6N and C57BL/6J mice to a shortened 21-hour day and high-fat diet. <i>Chronobiology International</i> , 2020, 37, 809-823.	2.0	9

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55	Circadian transcription factor NPAS2 and the NAD <sup>+</sup> -dependent deacetylase SIRT1 interact in the mouse nucleus accumbens and regulate reward. <i>European Journal of Neuroscience</i> , 2022, 55, 675-693.	2.6	9
56	The Suprachiasmatic Nucleus Regulates Anxiety-Like Behavior in Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 765850.	2.8	9
57	Alcohol and lithium have opposing effects on the period and phase of the behavioral free-running activity rhythm. <i>Alcohol</i> , 2015, 49, 367-376.	1.7	8
58	Critical roles for developmental hormones and genetic sex in stress-induced transcriptional changes associated with depression. <i>Neuropsychopharmacology</i> , 2021, 46, 221-222.	5.4	7
59	Adapting Social Defeat Stress for Female Mice Using Species-Typical Interfemale Aggression. <i>Biological Psychiatry</i> , 2019, 86, e31-e32.	1.3	5
60	High-throughput measurement of fibroblast rhythms reveals genetic heritability of circadian phenotypes in diversity outbred mice and their founder strains. <i>Scientific Reports</i> , 2021, 11, 2573.	3.3	4
61	Opportunities for Bioinformatics in the Classification of Behavior and Psychiatric Disorders. <i>International Review of Neurobiology</i> , 2012, 104, 183-211.	2.0	3
62	Circadian Rhythms and Addiction. , 2019, , 189-212.		2
63	163. Utility of the Clock Mutant Mouse Model of Mania as a Tool for Drug Discovery. <i>Biological Psychiatry</i> , 2018, 83, S66.	1.3	0
64	Sex Differences in Cognition, Neuropsychiatric Symptoms, and Sleep in an Alzheimer's Disease Mouse Model. <i>Biological Psychiatry</i> , 2021, 89, S116.	1.3	0
65	Sex and Disease Differences in Circadian Rhythms of Gene Expression in the Human Brain. <i>Biological Psychiatry</i> , 2021, 89, S72-S73.	1.3	0
66	Diurnal Rhythms of Tyrosine Hydroxylase Expression are Regulated by NAD Cellular Redox and SIRT1. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
67	Sex-Specific Onset of Sundowning Behavior in an Alzheimer's Mouse Model. <i>Biological Psychiatry</i> , 2022, 91, S11-S12.	1.3	0
68	P544. Glucose Dysregulation in Antipsychotic-Na <sup>+</sup> -ve First Episode Psychosis Patients: In Silico Exploration of Gene Expression Signatures. <i>Biological Psychiatry</i> , 2022, 91, S308-S309.	1.3	0