J Leigh Leasure

List of Publications by Year
in descending order

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44 papers	3,070 citations	304602 22 h-index	276775 41 g-index
44 all docs	44 docs citations	44 times ranked	4365 citing authors

#	Article	IF	Citations
1	CNS plasticity and assessment of forelimb sensorimotor outcome in unilateral rat models of stroke, cortical ablation, parkinsonism and spinal cord injury. Neuropharmacology, 2000, 39, 777-787.	2.0	1,217
2	Forced and voluntary exercise differentially affect brain and behavior. Neuroscience, 2008, 156, 456-465.	1.1	269
3	Use-dependent exacerbation of brain damage occurs during an early post-lesion vulnerable period. Brain Research, 1998, 783, 286-292.	1.1	241
4	Experience-Associated Structural Events, Subependymal Cellular Proliferative Activity, and Functional Recovery After Injury to the Central Nervous System. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1513-1528.	2.4	132
5	Social isolation prevents exerciseâ€induced proliferation of hippocampal progenitor cells in female rats. Hippocampus, 2009, 19, 907-912.	0.9	109
6	Low-Level Human Equivalent Gestational Lead Exposure Produces Sex-Specific Motor and Coordination Abnormalities and Late-Onset Obesity in Year-Old Mice. Environmental Health Perspectives, 2008, 116, 355-361.	2.8	107
7	Exercise and Alcohol Consumption: What We Know, What We Need to Know, and Why it is Important. Frontiers in Psychiatry, 2015, 6, 156.	1.3	94
8	Spatial and temporal gene expression profiling of the contused rat spinal cord. Experimental Neurology, 2004, 189, 204-221.	2.0	93
9	Exercise Neuroprotection in a Rat Model of Binge Alcohol Consumption. Alcoholism: Clinical and Experimental Research, 2010, 34, 404-414.	1.4	71
10	Differential Response of Hippocampal Subregions to Stress and Learning. PLoS ONE, 2012, 7, e53126.	1.1	61
11	Sustained sensorimotor impairments after endothelin-1 induced focal cerebral ischemia (stroke) in aged rats. Experimental Neurology, 2010, 222, 13-24.	2.0	55
12	Cortical area size dictates performance at modality-specific behaviors. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4153-4158.	3.3	47
13	Exercise Enhances Hippocampal Recovery following Binge Ethanol Exposure. PLoS ONE, 2013, 8, e76644.	1.1	47
14	Regionâ€specific response of the hippocampus to chronic unpredictable stress. Hippocampus, 2012, 22, 1338-1349.	0.9	45
15	Neurogenesis, Exercise, and Cognitive Late Effects of Pediatric Radiotherapy. Neural Plasticity, 2013, 2013, 1-12.	1.0	41
16	Preoptic Area Infusions of Morphine Disruptâ€"and Naloxone Restoresâ€"Parental-Like Behavior in Juvenile Rats. Brain Research Bulletin, 1997, 44, 183-191.	1.4	39
17	Sex differences in hippocampal damage, cognitive impairment, and trophic factor expression in an animal model of an alcohol use disorder. Brain Structure and Function, 2018, 223, 195-210.	1.2	39
18	Investigation of Sex Differences in the Microglial Response to Binge Ethanol and Exercise. Brain Sciences, 2017, 7, 139.	1.1	35

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19	Exercise ameliorates neurocognitive impairments in a translational model of pediatric radiotherapy. Neuro-Oncology, 2018, 20, 695-704.	0.6	32
20	The effect of mild post-stroke exercise on reactive neurogenesis and recovery of somatosensation in aged rats. Experimental Neurology, 2010, 226, 58-67.	2.0	30
21	Consequences of forced disuse of the impaired forelimb after unilateral cortical injury. Behavioural Brain Research, 2004, 150, 83-91.	1.2	28
22	Binge ethanol effects on prefrontal cortex neurons, spatial working memory and task-induced neuronal activation in male and female rats. Physiology and Behavior, 2018, 188, 79-85.	1.0	28
23	The Control of Movement Following Traumatic Brain Injury. , 2013, 3, 121-139.		26
24	Quantitative 3-D analysis of GFAP labeled astrocytes from fluorescence confocal images. Journal of Neuroscience Methods, 2015, 246, 38-51.	1.3	24
25	Impulsivity moderates the association between physical activity and alcohol consumption. Alcohol, 2014, 48, 361-366.	0.8	20
26	Ethanol Regulates Presynaptic Activity and Sedation through Presynaptic Unc13 Proteins inDrosophila. ENeuro, 2018, 5, ENEURO.0125-18.2018.	0.9	16
27	Sex and Age Effects on Neurobehavioral Toxicity Induced by Binge Alcohol. Brain Plasticity, 2020, 6, 5-25.	1.9	15
28	Radiation-Induced Growth Retardation and Microstructural and Metabolite Abnormalities in the Hippocampus. Neural Plasticity, 2016, 2016, 1-12.	1.0	14
29	Olfactory Memory Impairment Differs by Sex in a Rodent Model of Pediatric Radiotherapy. Frontiers in Behavioral Neuroscience, 2018, 12, 158.	1.0	12
30	Recurrent binge ethanol is associated with significant loss of dentate gyrus granule neurons in female rats despite concomitant increase in neurogenesis. Neuropharmacology, 2019, 148, 272-283.	2.0	10
31	Shaping the adult brain with exercise during development: Emerging evidence and knowledge gaps. International Journal of Developmental Neuroscience, 2019, 78, 147-155.	0.7	10
32	Focal Brain Injury, FGF-2 and the Adverse Effects of Excessive Motor Demand on Cortical and Nigral Degeneration: Marked Protection by Delayed Intermittent Exposure to Halothane. Journal of Neurotrauma, 2000, 17, 1067-1077.	1.7	9
33	Neural Perturbations Associated With Recurrent Binge Alcohol in Male and Female Rats. Alcoholism: Clinical and Experimental Research, 2021, 45, 365-374.	1.4	9
34	Endogenous sex hormones and cognitive function in the elderly. Aging Clinical and Experimental Research, 2015, 27, 515-521.	1.4	8
35	Binge alcohol alters exercise-driven neuroplasticity. Neuroscience, 2017, 343, 165-173.	1.1	8
36	A Sensitive Homecage-Based Novel Object Recognition Task for Rodents. Frontiers in Behavioral Neuroscience, 2021, 15, 680042.	1.0	8

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37	Ambient temperature influences the neural benefits of exercise. Behavioural Brain Research, 2016, 299, 27-31.	1.2	6
38	Exercise-driven restoration of the alcohol-damaged brain. International Review of Neurobiology, 2019, 147, 219-267.	0.9	6
39	MUNC13-1 heterozygosity does not alter voluntary ethanol consumption or sensitivity in mice. Alcohol, 2020, 83, 89-97.	0.8	3
40	Changes in Affective Behavior and Oxidative Stress after Binge Alcohol in Male and Female Rats. Brain Sciences, 2021, 11, 1250.	1.1	2
41	Longitudinal relations between physical activity and alcohol consumption among young adults.. Psychology of Addictive Behaviors, 2023, 37, 285-293.	1.4	2
42	Can the Brain Benefits of Exercise Be Enhanced Without Additional Exercise?. Journal of Neurology and Neuromedicine, 2016, 1, 37-40.	0.9	1
43	Differential expression of presynaptic munc13-1 and Munc13-2 in mouse hippocampus following ethanol drinking. Neuroscience, 2022, , .	1.1	1
44	Issues in translating stroke recovery research from animals to humans. , 0, , 77-86.		0