

Daniel Rial

List of Publications by Year in descending order

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38
papers

1,450
citations

304743

22
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

2603
citing authors

#	ARTICLE	IF	CITATIONS
1	Depression as a Glial-Based Synaptic Dysfunction. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 521.	3.7	134
2	Optogenetic activation of intracellular adenosine A2A receptor signaling in the hippocampus is sufficient to trigger CREB phosphorylation and impair memory. <i>Molecular Psychiatry</i> , 2015, 20, 1339-1349.	7.9	118
3	Effects of Traumatic Brain Injury of Different Severities on Emotional, Cognitive, and Oxidative Stress-Related Parameters in Mice. <i>Journal of Neurotrauma</i> , 2010, 27, 1883-1893.	3.4	95
4	Atorvastatin prevents hippocampal cell death, neuroinflammation and oxidative stress following amyloid- β 40 administration in mice: Evidence for dissociation between cognitive deficits and neuronal damage. <i>Experimental Neurology</i> , 2010, 226, 274-284.	4.1	94
5	Behavioral Phenotyping of Parkin-Deficient Mice: Looking for Early Preclinical Features of Parkinson's Disease. <i>PLoS ONE</i> , 2014, 9, e114216.	2.5	94
6	Inactivation of adenosine A2A receptors reverses working memory deficits at early stages of Huntington's disease models. <i>Neurobiology of Disease</i> , 2015, 79, 70-80.	4.4	83
7	Synaptic and memory dysfunction in a β 2-amyloid model of early Alzheimer's disease depends on increased formation of ATP-derived extracellular adenosine. <i>Neurobiology of Disease</i> , 2019, 132, 104570.	4.4	77
8	Adenosine A2A Receptors in the Amygdala Control Synaptic Plasticity and Contextual Fear Memory. <i>Neuropsychopharmacology</i> , 2016, 41, 2862-2871.	5.4	75
9	Rosmarinus officinalis L. hydroalcoholic extract, similar to fluoxetine, reverses depressive-like behavior without altering learning deficit in olfactory bulbectomized mice. <i>Journal of Ethnopharmacology</i> , 2012, 143, 158-169.	4.1	57
10	Proanthocyanidin-rich fraction from <i>Croton celtidifolius</i> Baill confers neuroprotection in the intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine rat model of Parkinson's disease. <i>Journal of Neural Transmission</i> , 2010, 117, 1337-1351.	2.8	53
11	High-intensity physical exercise disrupts implicit memory in mice: involvement of the striatal glutathione antioxidant system and intracellular signaling. <i>Neuroscience</i> , 2010, 171, 1216-1227.	2.3	47
12	Effects of acute administration of the hydroalcoholic extract of mate tea leaves (<i>Ilex paraguariensis</i>) in animal models of learning and memory. <i>Journal of Ethnopharmacology</i> , 2008, 120, 465-473.	4.1	44
13	Adenosine A _{2b} receptors control A ₁ receptor-mediated inhibition of synaptic transmission in the mouse hippocampus. <i>European Journal of Neuroscience</i> , 2015, 41, 878-888.	2.6	43
14	Cellular prion protein modulates age-related behavioral and neurochemical alterations in mice. <i>Neuroscience</i> , 2009, 164, 896-907.	2.3	36
15	Risk is in the Air. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 629-636.	3.8	35
16	The Adenosine Neuromodulation System in Schizophrenia. <i>International Review of Neurobiology</i> , 2014, 119, 395-449.	2.0	32
17	Temporal Dissociation of Striatum and Prefrontal Cortex Uncouples Anhedonia and Defense Behaviors Relevant to Depression in 6-OHDA-Lesioned Rats. <i>Molecular Neurobiology</i> , 2016, 53, 3891-3899.	4.0	29
18	Exercise Improves Cognitive Impairment and Dopamine Metabolism in MPTP-Treated Mice. <i>Neurotoxicity Research</i> , 2016, 29, 118-125.	2.7	28

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19	Decreased synaptic plasticity in the medial prefrontal cortex underlies short-term memory deficits in 6-OHDA-lesioned rats. <i>Behavioural Brain Research</i> , 2016, 301, 43-54.	2.2	27
20	Central nervous system activity of the proanthocyanidin-rich fraction obtained from <i>Croton celtidifolius</i> in rats. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1061-1068.	2.4	26
21	Adenosine A2B receptor activation stimulates glucose uptake in the mouse forebrain. <i>Purinergic Signalling</i> , 2015, 11, 561-569.	2.2	26
22	Overexpression of cellular prion protein (PrPC) prevents cognitive dysfunction and apoptotic neuronal cell death induced by amyloid- β^2 (A β^{1-40}) administration in mice. <i>Neuroscience</i> , 2012, 215, 79-89.	2.3	23
23	High sucrose consumption induces memory impairment in rats associated with electrophysiological modifications but not with metabolic changes in the hippocampus. <i>Neuroscience</i> , 2016, 315, 196-205.	2.3	22
24	Adenosine A _{2A} receptors modulate the dopamine D ₂ receptor-mediated inhibition of synaptic transmission in the mouse prefrontal cortex. <i>European Journal of Neuroscience</i> , 2018, 47, 1127-1134.	2.6	19
25	GPRIN3 Controls Neuronal Excitability, Morphology, and Striatal-Dependent Behaviors in the Indirect Pathway of the Striatum. <i>Journal of Neuroscience</i> , 2019, 39, 7513-7528.	3.6	18
26	Cellular prion protein is present in dopaminergic neurons and modulates the dopaminergic system. <i>European Journal of Neuroscience</i> , 2014, 40, 2479-2486.	2.6	15
27	Parkinson's disease-associated GPR37 receptor regulates cocaine-mediated synaptic depression in corticostriatal synapses. <i>Neuroscience Letters</i> , 2017, 638, 162-166.	2.1	13
28	Moderate traumatic brain injury increases the vulnerability to neurotoxicity induced by systemic administration of 6-hydroxydopamine in mice. <i>Brain Research</i> , 2017, 1663, 78-86.	2.2	12
29	Animal models of olfactory dysfunction in neurodegenerative diseases. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2019, 164, 431-452.	1.8	12
30	The effects of physical exercise on nonmotor symptoms and on neuroimmune RAGE network in experimental parkinsonism. <i>Journal of Applied Physiology</i> , 2017, 123, 161-171.	2.5	11
31	Differential gender-related susceptibility to learning and memory deficits in mice submitted to neonatal freezing microgyria model. <i>Brain Research Bulletin</i> , 2009, 79, 177-181.	3.0	10
32	Mild cognitive deficits associated to neocortical microgyria in mice with genetic deletion of cellular prion protein. <i>Brain Research</i> , 2008, 1241, 148-156.	2.2	9
33	Caffeine Mitigates the Locomotor Hyperactivity in Middle-Aged Low-Density Lipoprotein Receptor (<sc>LDL</sc>) Knockout Mice. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 420-422.	3.9	8
34	Ablation of striatal somatostatin interneurons affects MSN morphology and electrophysiological properties, and increases cocaine-induced hyperlocomotion in mice. <i>European Journal of Neuroscience</i> , 2020, 51, 1388-1402.	2.6	8
35	Mammalian Target of Rapamycin-RhoA Signaling Impairments in Direct Striatal Projection Neurons Induce Altered Behaviors and Striatal Physiology in Mice. <i>Biological Psychiatry</i> , 2020, 88, 945-954.	1.3	8
36	Aniracetam and DNQX affect the acquisition of rapid tolerance to ethanol in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2009, 92, 32-38.	2.9	5

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37	Cellular prion protein (PrPC) modulates ethanol-induced behavioral adaptive changes in mice. Behavioural Brain Research, 2014, 271, 325-332.	2.2	4
38	Adenosine A2A Receptor-Mediated Control of Non-Motor Functions in Parkinson's Disease. Current Topics in Neurotoxicity, 2015, , 183-205.	0.4	0