Rui D S Prediger

List of Publications by Citations

191 papers	6,294 citations	47 h-index	68 g-index
199 ext. papers	7,095 ext. citations	4.7 avg, IF	5.62 L-index

#	Paper	IF	Citations
191	Connecting TNF-alpha signaling pathways to iNOS expression in a mouse model of Alzheimer's disease: relevance for the behavioral and synaptic deficits induced by amyloid beta protein. *Journal of Neuroscience*, **2007**, 27, 5394-404	6.6	238
190	Caffeine reverses age-related deficits in olfactory discrimination and social recognition memory in rats. Involvement of adenosine A1 and A2A receptors. *Neurobiology of Aging*, **2005**, 26, 957-64	5.6	188
189	Short bouts of mild-intensity physical exercise improve spatial learning and memory in aging rats: involvement of hippocampal plasticity via AKT, CREB and BDNF signaling. *Mechanisms of Ageing and Development*, **2011**, 132, 560-7	5.6	179
188	The cannabinoid receptor agonist WIN 55,212-2 facilitates the extinction of contextual fear memory and spatial memory in rats. *Psychopharmacology*, **2006**, 188, 641-9	4.7	155
187	Adenosine receptor antagonists for cognitive dysfunction: a review of animal studies. *Frontiers in Bioscience - Landmark*, **2008**, 13, 2614-32	2.8	137
186	Anxiety in Parkinson's disease: a critical review of experimental and clinical studies. *Neuropharmacology*, **2012**, 62, 115-24	5.5	136
185	Depression as a Glial-Based Synaptic Dysfunction. *Frontiers in Cellular Neuroscience*, **2015**, 9, 521	6.1	111
184	Effects of caffeine in Parkinson's disease: from neuroprotection to the management of motor and non-motor symptoms. *Journal of Alzheimer's Disease*, **2010**, 20 Suppl 1, S205-20	4.3	106
183	Single intranasal administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in C57BL/6 mice models early preclinical phase of Parkinson's disease. *Neurotoxicity Research*, **2010**, 17, 114-29	4.3	91
182	Caffeine improves spatial learning deficits in an animal model of attention deficit hyperactivity disorder (ADHD) -- the spontaneously hypertensive rat (SHR). *International Journal of Neuropsychopharmacology*, **2005**, 8, 583-94	5.8	90
181	The role of TNF-alpha signaling pathway on COX-2 upregulation and cognitive decline induced by beta-amyloid peptide. *Behavioural Brain Research*, **2010**, 209, 165-73	3.4	89
180	The risk is in the air: Intranasal administration of MPTP to rats reproducing clinical features of Parkinson's disease. *Experimental Neurology*, **2006**, 202, 391-403	5.7	89
179	Atorvastatin prevents hippocampal cell death, neuroinflammation and oxidative stress following amyloid-[1-40) administration in mice: evidence for dissociation between cognitive deficits and neuronal damage. *Experimental Neurology*, **2010**, 226, 274-84	5.7	86
178	Molecular aspects involved in swimming exercise training reducing anhedonia in a rat model of depression. *Neuroscience*, **2011**, 192, 661-74	3.9	84
177	Blockade of adenosine A2A receptors reverses short-term social memory impairments in spontaneously hypertensive rats. *Behavioural Brain Research*, **2005**, 159, 197-205	3.4	84
176	Developmental exposure to glyphosate-based herbicide and depressive-like behavior in adult offspring: Implication of glutamate excitotoxicity and oxidative stress. *Toxicology*, **2017**, 387, 67-80	4.4	81
175	Effects of traumatic brain injury of different severities on emotional, cognitive, and oxidative stress-related parameters in mice. *Journal of Neurotrauma*, **2010**, 27, 1883-93	5.4	79

174	Psychiatric disorders and health-related quality of life after severe traumatic brain injury: a prospective study. *Journal of Neurotrauma*, **2012**, 29, 1029-37	5.4	77
173	Differential susceptibility following beta-amyloid peptide-(1-40) administration in C57BL/6 and Swiss albino mice: Evidence for a dissociation between cognitive deficits and the glutathione system response. *Behavioural Brain Research*, **2007**, 177, 205-13	3.4	75
172	Activation of adenosine A1 receptors reduces anxiety-like behavior during acute ethanol withdrawal (hangover) in mice. *Neuropsychopharmacology*, **2006**, 31, 2210-20	8.7	75
171	Improved neuroprotective effects of resveratrol-loaded polysorbate 80-coated poly(lactide) nanoparticles in MPTP-induced Parkinsonism. *Nanomedicine*, **2015**, 10, 1127-38	5.6	73
170	Behavioral phenotyping of Parkin-deficient mice: looking for early preclinical features of Parkinson's disease. *PLoS ONE*, **2014**, 9, e114216	3.7	73
169	Positive correlation between elevated plasma cholesterol levels and cognitive impairments in LDL receptor knockout mice: relevance of cortico-cerebral mitochondrial dysfunction and oxidative stress. *Neuroscience*, **2011**, 197, 99-106	3.9	71
168	Adenosine receptor antagonists improve short-term object-recognition ability of spontaneously hypertensive rats: a rodent model of attention-deficit hyperactivity disorder. *Behavioural Pharmacology*, **2009**, 20, 134-45	2.4	71
167	Periodontitis and Alzheimer's Disease: A Possible Comorbidity between Oral Chronic Inflammatory Condition and Neuroinflammation. *Frontiers in Aging Neuroscience*, **2017**, 9, 327	5.3	69
166	In vivo manganese exposure modulates Erk, Akt and Darpp-32 in the striatum of developing rats, and impairs their motor function. *PLoS ONE*, **2012**, 7, e33057	3.7	68
165	Spatial memory impairments in a prediabetic rat model. *Neuroscience*, **2013**, 250, 565-77	3.9	67
164	Folic acid plus □-tocopherol mitigates amyloid-□-induced neurotoxicity through modulation of mitochondrial complexes activity. *Journal of Alzheimer's Disease*, **2011**, 24, 61-75	4.3	66
163	Antidepressant-like effect of ursolic acid isolated from Rosmarinus officinalis L. in mice: evidence for the involvement of the dopaminergic system. *Pharmacology Biochemistry and Behavior*, **2012**, 103, 204-11	3.9	65
162	Modulation of short-term social memory in rats by adenosine A1 and A(2A) receptors. *Neuroscience Letters*, **2005**, 376, 160-5	3.3	65
161	Intranasal administration of neurotoxicants in animals: support for the olfactory vector hypothesis of Parkinson's disease. *Neurotoxicity Research*, **2012**, 21, 90-116	4.3	64
160	Manganese-exposed developing rats display motor deficits and striatal oxidative stress that are reversed by Trolox. *Archives of Toxicology*, **2013**, 87, 1231-44	5.8	62
159	Neuropeptide Y (NPY) prevents depressive-like behavior, spatial memory deficits and oxidative stress following amyloid-□(A□(1-40)) administration in mice. *Behavioural Brain Research*, **2013**, 244, 107-15	3.4	62
158	The intranasal administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP): a new rodent model to test palliative and neuroprotective agents for Parkinson's disease. *Current Pharmaceutical Design*, **2011**, 17, 489-507	3.3	61
157	Genetic deletion or antagonism of kinin B(1) and B(2) receptors improves cognitive deficits in a mouse model of Alzheimer's disease. *Neuroscience*, **2008**, 151, 631-43	3.9	61

156	Lithium and valproate prevent olfactory discrimination and short-term memory impairments in the intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) rat model of Parkinson's disease. *Behavioural Brain Research*, **2012**, 229, 208-15	3.4	58
155	Environmental enrichment improves cognitive deficits in Spontaneously Hypertensive Rats (SHR): relevance for Attention Deficit/Hyperactivity Disorder (ADHD). *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2009**, 33, 1153-60	5.5	58
154	Moderate-Intensity Physical Exercise Protects Against Experimental 6-Hydroxydopamine-Induced Hemiparkinsonism Through Nrf2-Antioxidant Response Element Pathway. *Neurochemical Research*, **2016**, 41, 64-72	4.6	55
153	Effects of exercise on mitochondrial function, neuroplasticity and anxio-depressive behavior of mice. *Neuroscience*, **2014**, 271, 56-63	3.9	54
152	Adenosine A1 receptors modulate the anxiolytic-like effect of ethanol in the elevated plus-maze in mice. *European Journal of Pharmacology*, **2004**, 499, 147-54	5.3	52
151	Melatoninergic System in Parkinson's Disease: From Neuroprotection to the Management of Motor and Nonmotor Symptoms. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 3472032	6.7	52
150	Interleukin-10 is an independent biomarker of severe traumatic brain injury prognosis. *NeuroImmunoModulation*, **2012**, 19, 377-85	2.5	51
149	Downhill training upregulates mice hippocampal and striatal brain-derived neurotrophic factor levels. *Journal of Neural Transmission*, **2008**, 115, 1251-5	4.3	50
148	Role of the macrophage inflammatory protein-1alpha/CC chemokine receptor 5 signaling pathway in the neuroinflammatory response and cognitive deficits induced by beta-amyloid peptide. *American Journal of Pathology*, **2009**, 175, 1586-97	5.8	49
147	Chronic ethanol exposure during adolescence through early adulthood in female rats induces emotional and memory deficits associated with morphological and molecular alterations in hippocampus. *Journal of Psychopharmacology*, **2015**, 29, 712-24	4.6	48
146	Chronic ethanol exposure during adolescence in rats induces motor impairments and cerebral cortex damage associated with oxidative stress. *PLoS ONE*, **2014**, 9, e101074	3.7	47
145	Rosmarinus officinalis L. hydroalcoholic extract, similar to fluoxetine, reverses depressive-like behavior without altering learning deficit in olfactory bulbectomized mice. *Journal of Ethnopharmacology*, **2012**, 143, 158-69	5	47
144	Role of the glucose-dependent insulinotropic polypeptide and its receptor in the central nervous system: therapeutic potential in neurological diseases. *Behavioural Pharmacology*, **2010**, 21, 394-408	2.4	47
143	Proanthocyanidin-rich fraction from Croton celtidifolius Baill confers neuroprotection in the intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine rat model of Parkinson's disease. *Journal of Neural Transmission*, **2010**, 117, 1337-51	4.3	47
142	Antagonistic interaction between adenosine A2A and dopamine D2 receptors modulates the social recognition memory in reserpine-treated rats. *Behavioural Pharmacology*, **2005**, 16, 209-18	2.4	46
141	Age-related cognitive decline in hypercholesterolemic LDL receptor knockout mice (LDLr-/-): evidence of antioxidant imbalance and increased acetylcholinesterase activity in the prefrontal cortex. *Journal of Alzheimer's Disease*, **2012**, 32, 495-511	4.3	45
140	Involvement of phosphoinositide 3-kinase gamma in the neuro-inflammatory response and cognitive impairments induced by beta-amyloid 1-40 peptide in mice. *Brain, Behavior, and Immunity*, **2010**, 24, 493-501	16.6	44
139	Physical exercise improves motor and short-term social memory deficits in reserpinized rats. *Brain Research Bulletin*, **2009**, 79, 452-7	3.9	44

138	Plasma levels of oxidative stress biomarkers and hospital mortality in severe head injury: a multivariate analysis. *Journal of Critical Care*, **2012**, 27, 523.e11-9	4	42
137	Atorvastatin improves cognitive, emotional and motor impairments induced by intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) administration in rats, an experimental model of Parkinson's disease. *Brain Research*, **2013**, 1513, 103-16	3.7	41
136	High-intensity physical exercise disrupts implicit memory in mice: involvement of the striatal glutathione antioxidant system and intracellular signaling. *Neuroscience*, **2010**, 171, 1216-27	3.9	40
135	Blockade of adenosine and dopamine receptors inhibits the development of rapid tolerance to ethanol in mice. *Psychopharmacology*, **2005**, 181, 714-21	4.7	40
134	Ghrelin as a neuroprotective and palliative agent in Alzheimer's and Parkinson's disease. *Current Pharmaceutical Design*, **2013**, 19, 6773-90	3.3	39
133	Increased susceptibility to amyloid-β induced neurotoxicity in mice lacking the low-density lipoprotein receptor. *Journal of Alzheimer's Disease*, **2014**, 41, 43-60	4.3	38
132	Effects of acute administration of the hydroalcoholic extract of mate tea leaves (Ilex paraguariensis) in animal models of learning and memory. *Journal of Ethnopharmacology*, **2008**, 120, 465-73	5	36
131	Increased sensitivity of adolescent spontaneously hypertensive rats, an animal model of attention deficit hyperactivity disorder, to the locomotor stimulation induced by the cannabinoid receptor agonist WIN 55,212-2. *European Journal of Pharmacology*, **2007**, 563, 141-8	5.3	36
130	Ethanol improves short-term social memory in rats. Involvement of opioid and muscarinic receptors. *European Journal of Pharmacology*, **2003**, 462, 115-23	5.3	36
129	Effects of Agmatine on Depressive-Like Behavior Induced by Intracerebroventricular Administration of 1-Methyl-4-phenylpyridinium (MPP(+)). *Neurotoxicity Research*, **2015**, 28, 222-31	4.3	35
128	Time course evaluation of behavioral impairments in the pilocarpine model of epilepsy. *Epilepsy and Behavior*, **2016**, 55, 92-100	3.2	34
127	Risk is in the air: an intranasal MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine) rat model of Parkinson's disease. *Annals of the New York Academy of Sciences*, **2009**, 1170, 629-36	6.5	34
126	Does methylmercury-induced hypercholesterolemia play a causal role in its neurotoxicity and cardiovascular disease?. *Toxicological Sciences*, **2012**, 130, 373-82	4.4	34
125	Cellular prion protein modulates defensive attention and innate fear-induced behaviour evoked in transgenic mice submitted to an agonistic encounter with the tropical coral snake Oxyrhopus guibei. *Behavioural Brain Research*, **2008**, 194, 129-37	3.4	33
124	Facilitation of short-term social memory by ethanol in rats is mediated by dopaminergic receptors. *Behavioural Brain Research*, **2004**, 153, 149-57	3.4	33
123	SUMO-regulated mitochondrial function in Parkinson's disease. *Journal of Neurochemistry*, **2016**, 137, 673-86	6	33
122	Acyl ghrelin improves cognition, synaptic plasticity deficits and neuroinflammation following amyloid β(Aβ1-40) administration in mice. *Journal of Neuroendocrinology*, **2017**, 29,	3.8	32
121	Developmental exposure to manganese induces lasting motor and cognitive impairment in rats. *NeuroToxicology*, **2015**, 50, 28-37	4.4	32

120	Neuroprotective effects of agmatine in mice infused with a single intranasal administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). *Behavioural Brain Research*, **2012**, 235, 263-72	3.4	32
119	Cellular prion protein modulates age-related behavioral and neurochemical alterations in mice. *Neuroscience*, **2009**, 164, 896-907	3.9	32
118	Ethnobotany, phytochemistry and neuropharmacological effects of Petiveria alliacea L. (Phytolaccaceae): A review. *Journal of Ethnopharmacology*, **2016**, 185, 182-201	5	31
117	A single neurotoxic dose of methamphetamine induces a long-lasting depressive-like behaviour in mice. *Neurotoxicity Research*, **2014**, 25, 295-304	4.3	31
116	Minocycline mitigates motor impairments and cortical neuronal loss induced by focal ischemia in rats chronically exposed to ethanol during adolescence. *Brain Research*, **2014**, 1561, 23-34	3.7	31
115	Hospital mortality of patients with severe traumatic brain injury is associated with serum PTX3 levels. *Neurocritical Care*, **2011**, 14, 194-9	3.3	31
114	Chronic caffeine treatment during prepubertal period confers long-term cognitive benefits in adult spontaneously hypertensive rats (SHR), an animal model of attention deficit hyperactivity disorder (ADHD). *Behavioural Brain Research*, **2010**, 215, 39-44	3.4	31
113	Exercise attenuates levodopa-induced dyskinesia in 6-hydroxydopamine-lesioned mice. *Neuroscience*, **2013**, 243, 46-53	3.9	30
112	Guanosine Prevents Anhedonic-Like Behavior and Impairment in Hippocampal Glutamate Transport Following Amyloid-Administration in Mice. *Molecular Neurobiology*, **2017**, 54, 5482-5496	6.2	30
111	Spatial reference memory deficits precede motor dysfunction in an experimental autoimmune encephalomyelitis model: the role of kallikrein-kinin system. *Brain, Behavior, and Immunity*, **2013**, 33, 90-101	16.6	29
110	Pilocarpine improves olfactory discrimination and social recognition memory deficits in 24 month-old rats. *European Journal of Pharmacology*, **2006**, 531, 176-82	5.3	29
109	New Developments on the Adenosine Mechanisms of the Central Effects of Caffeine and Their Implications for Neuropsychiatric Disorders. *Journal of Caffeine and Adenosine Research*, **2018**, 8, 121-131	1.6	29
108	Mice with genetic deletion of the heparin-binding growth factor midkine exhibit early preclinical features of Parkinson's disease. *Journal of Neural Transmission*, **2011**, 118, 1215-25	4.3	28
107	Region-specific alterations of AMPA receptor phosphorylation and signaling pathways in the pilocarpine model of epilepsy. *Neurochemistry International*, **2015**, 87, 22-33	4.4	27
106	Exercise Improves Cognitive Impairment and Dopamine Metabolism in MPTP-Treated Mice. *Neurotoxicity Research*, **2016**, 29, 118-25	4.3	24
105	Atorvastatin Prevents Cognitive Deficits Induced by Intracerebroventricular Amyloid-1-40 Administration in Mice: Involvement of Glutamatergic and Antioxidant Systems. *Neurotoxicity Research*, **2015**, 28, 32-42	4.3	24
104	Hypercholesterolemia induces short-term spatial memory impairments in mice: up-regulation of acetylcholinesterase activity as an early and causal event?. *Journal of Neural Transmission*, **2014**, 121, 415-26	4.3	23
103	Functional interaction between pre-synaptic 2-containing nicotinic and adenosine A2A receptors in the control of dopamine release in the rat striatum. *British Journal of Pharmacology*, **2013**, 169, 1600-11	8.6	23

102	Running for REST: Physical activity attenuates neuroinflammation in the hippocampus of aged mice. *Brain, Behavior, and Immunity*, **2017**, 61, 31-35	16.6	23
101	Central nervous system activity of the proanthocyanidin-rich fraction obtained from Croton celtidifolius in rats. *Journal of Pharmacy and Pharmacology*, **2010**, 62, 1061-8	4.8	22
100	Six weeks of voluntary exercise don't protect C57BL/6 mice against neurotoxicity of MPTP and MPP(+). *Neurotoxicity Research*, **2014**, 25, 147-52	4.3	21
99	Antioxidant responses and lipid peroxidation following intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) administration in rats: increased susceptibility of olfactory bulb. *Life Sciences*, **2007**, 80, 1906-14	6.8	21
98	Temporal Dissociation of Striatum and Prefrontal Cortex Uncouples Anhedonia and Defense Behaviors Relevant to Depression in 6-OHDA-Lesioned Rats. *Molecular Neurobiology*, **2016**, 53, 3891-3899	6.2	20
97	Decreased synaptic plasticity in the medial prefrontal cortex underlies short-term memory deficits in 6-OHDA-lesioned rats. *Behavioural Brain Research*, **2016**, 301, 43-54	3.4	20
96	Evaluation of nigrostriatal neurodegeneration and neuroinflammation following repeated intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) administration in mice, an experimental model of Parkinson's disease. *Neurotoxicity Research*, **2014**, 25, 24-32	4.3	20
95	Chronic Alcohol Intoxication and Cortical Ischemia: Study of Their Comorbidity and the Protective Effects of Minocycline. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 1341453	6.7	20
94	Repeated cycles of binge-like ethanol exposure induce immediate and delayed neurobehavioral changes and hippocampal dysfunction in adolescent female rats. *Behavioural Brain Research*, **2018**, 350, 99-108	3.4	19
93	Altered emotionality leads to increased pain tolerance in amyloid beta (Abeta1-40) peptide-treated mice. *Behavioural Brain Research*, **2010**, 212, 96-102	3.4	19
92	Agmatine attenuates reserpine-induced oral dyskinesia in mice: Role of oxidative stress, nitric oxide and glutamate NMDA receptors. *Behavioural Brain Research*, **2016**, 312, 64-76	3.4	18
91	High sucrose consumption induces memory impairment in rats associated with electrophysiological modifications but not with metabolic changes in the hippocampus. *Neuroscience*, **2016**, 315, 196-205	3.9	18
90	Antidepressant- and anxiolytic-like activities of an oil extract of propolis in rats. *Phytomedicine*, **2014**, 21, 1466-72	6.5	18
89	Parkin-knockout mice did not display increased vulnerability to intranasal administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). *Neurotoxicity Research*, **2013**, 24, 280-7	4.3	18
88	Disruption of striatal glutamatergic/GABAergic homeostasis following acute methamphetamine in mice. *Neurotoxicology and Teratology*, **2012**, 34, 522-9	3.9	18
87	The cannabinoid CB2 receptor-specific agonist AM1241 increases pentylenetetrazole-induced seizure severity in Wistar rats. *Epilepsy Research*, **2016**, 127, 160-167	3	18
86	Agmatine attenuates depressive-like behavior and hippocampal oxidative stress following amyloid □(A□1-40) administration in mice. *Behavioural Brain Research*, **2018**, 353, 51-56	3.4	18
85	Ursolic acid affords antidepressant-like effects in mice through the activation of PKA, PKC, CAMK-II and MEK1/2. *Pharmacological Reports*, **2017**, 69, 1240-1246	3.9	17

84	Neopterin acts as an endogenous cognitive enhancer. *Brain, Behavior, and Immunity*, **2016**, 56, 156-64	16.6	17
83	Overexpression of cellular prion protein (PrP(C)) prevents cognitive dysfunction and apoptotic neuronal cell death induced by amyloid-[A2]administration in mice. *Neuroscience*, **2012**, 215, 79-89	3.9	17
82	The exercise redox paradigm in the Down's syndrome: improvements in motor function and increases in blood oxidative status in young adults. *Journal of Neural Transmission*, **2008**, 115, 1643-50	4.3	17
81	Heavy Chronic Ethanol Exposure From Adolescence to Adulthood Induces Cerebellar Neuronal Loss and Motor Function Damage in Female Rats. *Frontiers in Behavioral Neuroscience*, **2018**, 12, 88	3.5	16
80	Glucose-dependent insulinotropic peptide receptor expression in the hippocampus and neocortex of mesial temporal lobe epilepsy patients and rats undergoing pilocarpine induced status epilepticus. *Peptides*, **2011**, 32, 781-9	3.8	16
79	Caffeine alleviates progressive motor deficits in a transgenic mouse model of spinocerebellar ataxia. *Annals of Neurology*, **2017**, 81, 407-418	9.4	15
78	Limited predictive power of hospitalization variables for long-term cognitive prognosis in adult patients with severe traumatic brain injury. *Journal of Neuropsychology*, **2014**, 8, 125-39	2.6	15
77	Cipura paludosa attenuates long-term behavioral deficits in rats exposed to methylmercury during early development. *Ecotoxicology and Environmental Safety*, **2010**, 73, 1150-8	7	15
76	A new naphthoquinone isolated from the bulbs of Cipura paludosa and pharmacological activity of two main constituents. *Planta Medica*, **2011**, 77, 1035-43	3.1	15
75	Influence of environmental enrichment vs. time-of-day on behavioral repertoire of male albino Swiss mice. *Neurobiology of Learning and Memory*, **2015**, 125, 63-72	3.1	14
74	Treadmill Exercise Attenuates L-DOPA-Induced Dyskinesia and Increases Striatal Levels of Glial Cell-Derived Neurotrophic Factor (GDNF) in Hemiparkinsonian Mice. *Molecular Neurobiology*, **2019**, 56, 2944-2951	6.2	14
73	Amygdala levels of the GluA1 subunit of glutamate receptors and its phosphorylation state at serine 845 in the anterior hippocampus are biomarkers of ictal fear but not anxiety. *Molecular Psychiatry*, **2020**, 25, 655-665	15.1	14
72	Effects of lifestyle modifications on cognitive impairments in a mouse model of hypercholesterolemia. *Neuroscience Letters*, **2013**, 541, 193-8	3.3	13
71	Long-Term Neurobehavioral Consequences of a Single Ketamine Neonatal Exposure in Rats: Effects on Cellular Viability and Glutamate Transport in Frontal Cortex and Hippocampus. *Neurotoxicity Research*, **2018**, 34, 649-659	4.3	13
70	Adenosine A1 receptor activation modulates N-methyl-d-aspartate (NMDA) preconditioning phenotype in the brain. *Behavioural Brain Research*, **2015**, 282, 103-10	3.4	12
69	Cellular prion protein is present in dopaminergic neurons and modulates the dopaminergic system. *European Journal of Neuroscience*, **2014**, 40, 2479-86	3.5	12
68	Blockade of hippocampal bradykinin B1 receptors improves spatial learning and memory deficits in middle-aged rats. *Behavioural Brain Research*, **2017**, 316, 74-81	3.4	12
67	Role of agmatine in neurodegenerative diseases and epilepsy. *Frontiers in Bioscience - Elite*, **2014**, 6, 341-50	1.9	12

66	Moderate traumatic brain injury increases the vulnerability to neurotoxicity induced by systemic administration of 6-hydroxydopamine in mice. *Brain Research*, **2017**, 1663, 78-86	3.7	11
65	Interaction of curcumin with manganese may compromise metal and neurotransmitter homeostasis in the hippocampus of young mice. *Biological Trace Element Research*, **2014**, 158, 399-409	4.5	11
64	Ethanolic extract from bulbs of Cipura paludosa reduced long-lasting learning and memory deficits induced by prenatal methylmercury exposure in rats. *Developmental Cognitive Neuroscience*, **2013**, 3, 1-10	5.5	11
63	Mechanisms involved in abdominal nociception induced by either TRPV1 or TRPA1 stimulation of rat peritoneum. *European Journal of Pharmacology*, **2013**, 714, 332-44	5.3	11
62	Behavioral and Neurochemical Consequences of Pentylenetetrazol-Induced Kindling in Young and Middle-Aged Rats. *Pharmaceuticals*, **2017**, 10,	5.2	11
61	Effects of pentylenetetrazole kindling on mitogen-activated protein kinases levels in neocortex and hippocampus of mice. *Neurochemical Research*, **2014**, 39, 2492-500	4.6	11
60	CX3CR1 Disruption Differentially Influences Dopaminergic Neuron Degeneration in Parkinsonian Mice Depending on the Neurotoxin and Route of Administration. *Neurotoxicity Research*, **2016**, 29, 364-80	4.3	10
59	Antidepressant effects of creatine on amyloid β-treated mice: The role of GSK-3β/Nrf pathway. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2018**, 86, 270-278	5.5	10
58	Platelet oxygen consumption as a peripheral blood marker of brain energetics in a mouse model of severe neurotoxicity. *Journal of Bioenergetics and Biomembranes*, **2013**, 45, 449-57	3.7	10
57	Differential gender-related susceptibility to learning and memory deficits in mice submitted to neonatal freezing microgyria model. *Brain Research Bulletin*, **2009**, 79, 177-81	3.9	10
56	Profiling of how nociceptor neurons detect danger - new and old foes. *Journal of Internal Medicine*, **2019**, 286, 268-289	10.8	9
55	Prevalence of headache in patients with Parkinson's disease and its association with the side of motor symptom onset. *Neurological Sciences*, **2014**, 35, 595-600	3.5	9
54	Role of nicotine on cognitive and behavioral deficits in sepsis-surviving rats. *Brain Research*, **2013**, 1507, 74-82	3.7	9
53	Methamphetamine Induces Anhedonic-Like Behavior and Impairs Frontal Cortical Energetics in Mice. *CNS Neuroscience and Therapeutics*, **2017**, 23, 119-126	6.8	9
52	Nitric oxide, a new player in L-DOPA-induced dyskinesia?. *Frontiers in Bioscience - Elite*, **2015**, 7, 168-92	1.6	9
51	Effects of Hypericum perforatum on turning behavior in an animal model of Parkinson's disease. *Brazilian Journal of Pharmaceutical Sciences*, **2015**, 51, 111-115	1.8	9
50	Role of hormonal levels on hospital mortality for male patients with severe traumatic brain injury. *Brain Injury*, **2014**, 28, 1262-9	2.1	9
49	Mild cognitive deficits associated to neocortical microgyria in mice with genetic deletion of cellular prion protein. *Brain Research*, **2008**, 1241, 148-56	3.7	9

48	The Gender-Biased Effects of Intranasal MPTP Administration on Anhedonic- and Depressive-Like Behaviors in C57BL/6 Mice: the Role of Neurotrophic Factors. *Neurotoxicity Research*, **2018**, 34, 808-819	4.3	9
47	Tetrahydrobiopterin improves hippocampal nitric oxide-linked long-term memory. *Molecular Genetics and Metabolism*, **2018**, 125, 104-111	3.7	8
46	Posttraumatic amnesia and personality changes after severe traumatic brain injury: preliminary findings. *CNS Neuroscience and Therapeutics*, **2014**, 20, 479-82	6.8	8
45	Plasma levels of oxidative stress biomarkers and long-term cognitive performance after severe head injury. *CNS Neuroscience and Therapeutics*, **2012**, 18, 606-8	6.8	8
44	Angiotensin II type 1/adenosine A receptor oligomers: a novel target for tardive dyskinesia. *Scientific Reports*, **2017**, 7, 1857	4.9	8
43	Succinobucol, a Non-Statin Hypocholesterolemic Drug, Prevents Premotor Symptoms and Nigrostriatal Neurodegeneration in an Experimental Model of Parkinson's Disease. *Molecular Neurobiology*, **2017**, 54, 1513-1530	6.2	7
42	"Special K" Drug on Adolescent Rats: Oxidative Damage and Neurobehavioral Impairments. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 5452727	6.7	7
41	Intranasal administration of sodium dimethyldithiocarbamate induces motor deficits and dopaminergic dysfunction in mice. *NeuroToxicology*, **2018**, 66, 107-120	4.4	7
40	Variables associated with physical health-related quality of life in Parkinson's disease patients presenting for deep brain stimulation. *Neurological Sciences*, **2016**, 37, 1831-1837	3.5	7
39	Antioxidants Improve Oxaliplatin-Induced Peripheral Neuropathy in Tumor-Bearing Mice Model: Role of Spinal Cord Oxidative Stress and Inflammation. *Journal of Pain*, **2021**, 22, 996-1013	5.2	7
38	The effects of physical exercise on nonmotor symptoms and on neuroimmune RAGE network in experimental parkinsonism. *Journal of Applied Physiology*, **2017**, 123, 161-171	3.7	6
37	Lipopolysaccharide-Induced Striatal Nitrosative Stress and Impaired Social Recognition Memory Are Not Magnified by Paraquat Coexposure. *Neurochemical Research*, **2018**, 43, 745-759	4.6	6
36	Chronic Metabolic Derangement-Induced Cognitive Deficits and Neurotoxicity Are Associated with REST Inactivation. *Molecular Neurobiology*, **2019**, 56, 1539-1557	6.2	6
35	Animal models of olfactory dysfunction in neurodegenerative diseases. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2019**, 164, 431-452	3	6
34	LDL Receptor Deficiency Does not Alter Brain Amyloid- Levels but Causes an Exacerbation of Apoptosis. *Journal of Alzheimer's Disease*, **2020**, 73, 585-596	4.3	6
33	Atorvastatin Prevents Early Oxidative Events and Modulates Inflammatory Mediators in the Striatum Following Intranasal 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) Administration in Rats. *Neurotoxicity Research*, **2018**, 33, 549-559	4.3	6
32	Promises of Caffeine in Attention-Deficit/Hyperactivity Disorder: From Animal Models to Clinical Practice. *Journal of Caffeine and Adenosine Research*, **2018**, 8, 131-142	1.6	6
31	The ERK phosphorylation levels in the amygdala predict anxiety symptoms in humans and MEK/ERK inhibition dissociates innate and learned defensive behaviors in rats. *Molecular Psychiatry*, **2021**,	15.1	6

30	Guanosine Promotes Proliferation in Neural Stem Cells from Hippocampus and Neurogenesis in Adult Mice. *Molecular Neurobiology*, **2020**, 57, 3814-3826	6.2	5
29	Caffeine Consumption plus Physical Exercise Improves Behavioral Impairments and Stimulates Neuroplasticity in Spontaneously Hypertensive Rats (SHR): an Animal Model of Attention Deficit Hyperactivity Disorder. *Molecular Neurobiology*, **2020**, 57, 3902-3919	6.2	5
28	Effects of ethanolic extract and naphthoquinones obtained from the bulbs of Cipura paludosa on short-term and long-term memory: involvement of adenosine A□and A□ receptors. *Basic and Clinical Pharmacology and Toxicology*, **2013**, 112, 229-35	3.1	5
27	Glucose Homeostasis Is Not Affected in a Murine Model of Parkinson's Disease Induced by 6-OHDA. *Frontiers in Neuroscience*, **2018**, 12, 1020	5.1	5
26	Switching from high-fat feeding (HFD) to regular diet improves metabolic and behavioral impairments in middle-aged female mice. *Behavioural Brain Research*, **2021**, 398, 112969	3.4	5
25	Neuropsychological functioning and brain energetics of drug resistant mesial temporal lobe epilepsy patients. *Epilepsy Research*, **2017**, 138, 26-31	3	4
24	Guanosine prevents depressive-like behaviors in rats following bilateral dorsolateral striatum lesion induced by 6-hydroxydopamine. *Behavioural Brain Research*, **2019**, 372, 112014	3.4	4
23	Temporal development of neurochemical and cognitive impairments following reserpine administration in rats. *Behavioural Brain Research*, **2020**, 383, 112517	3.4	4
22	Caffeine Mitigates the Locomotor Hyperactivity in Middle-aged Low-density Lipoprotein Receptor (LDLr)-Knockout Mice. *CNS Neuroscience and Therapeutics*, **2016**, 22, 420-2	6.8	4
21	Cellular prion protein (PrP(C)) modulates ethanol-induced behavioral adaptive changes in mice. *Behavioural Brain Research*, **2014**, 271, 325-32	3.4	4
20	The Olfactory System as a Route of Delivery for Agents to the Brain and Circulation **2015**, 453-484		4
19	Red wine consumption mitigates the cognitive impairments in low-density lipoprotein receptor knockout (LDLr) mice. *Nutritional Neuroscience*, **2021**, 24, 978-988	3.6	4
18	Temporal development of behavioral impairments in rats following locus coeruleus lesion induced by 6-hydroxydopamine: Involvement of □adrenergic receptors. *Neuropharmacology*, **2019**, 151, 98-111	5.5	3
17	Classification algorithms applied to blood-based transcriptome meta-analysis to predict idiopathic Parkinson's disease. *Computers in Biology and Medicine*, **2020**, 124, 103925	7	3
16	Role of Prefrontal Cortex on Recognition Memory Deficits in Rats following 6-OHDA-Induced Lesion. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 8324565	6.7	3
15	Propolis: A□useful agent on psychiatric and neurological disorders? A focus on CAPE and pinocembrin components. *Medicinal Research Reviews*, **2021**, 41, 1195-1215	14.4	3
14	Neuroprotective effects of melatonin against neurotoxicity induced by intranasal sodium dimethyldithiocarbamate administration in mice. *NeuroToxicology*, **2020**, 80, 144-154	4.4	2
13	Fructose Intake Impairs Cortical Antioxidant Defenses Allied to Hyperlocomotion in Middle-Aged C57BL/6 Female Mice. *Neurochemical Research*, **2020**, 45, 2868-2883	4.6	2

12	Brain MAPKs levels are differentially associated with seizures threshold and severity progression in pentylenetetrazole-kindled mice. *CNS Neuroscience and Therapeutics*, **2013**, 19, 726-9	6.8	1
11	Role of toll-like receptor 4 and sex in 6-hydroxydopamine-induced behavioral impairments and neurodegeneration in mice. *Neurochemistry International*, **2021**, 151, 105215	4.4	1
10	Dopaminergic Neurons in Parkinson Disease **2014**, 753-788		1
9	The Use of Object Recognition Task in Animal Models of Attention-Deficit Hyperactivity Disorder. *Handbook of Behavioral Neuroscience*, **2018**, 27, 341-357	0.7	1
8	The influence of chromosome 4 on metabolism and spatial memory in SHR and SLA16 rat strains. *Behavioural Brain Research*, **2019**, 370, 111966	3.4	0
7	Combined effects of caloric restriction and fish oil attenuated anti-depressant and anxiolytic-like effects of fish oil: association with hippocampal BDNF concentrations. *Behavioural Brain Research*, **2020**, 393, 112770	3.4	0
6	Functional interplay between adenosine A receptor and NMDA preconditioning in fear memory and glutamate uptake in the mice hippocampus. *Neurobiology of Learning and Memory*, **2021**, 180, 107422	3.1	0
5	Impaired dopamine metabolism is linked to fatigability in mice and fatigue in Parkinson's disease patients. *Brain Communications*, **2021**, 3, fcab116	4.5	0
4	Exposure to paraquat associated with periodontal disease causes motor damage and neurochemical changes in rats. *Human and Experimental Toxicology*, **2021**, 40, 81-89	3.4	0
3	SUMO-modifying Huntington disease. *IBRO Neuroscience Reports*, **2022**, 12, 203-209		0
2	Adenosine A2A Receptor-Mediated Control of Non-Motor Functions in Parkinson Disease. *Current Topics in Neurotoxicity*, **2015**, 183-205		
1	Exercise decreases aberrant corticostriatal plasticity in an animal model of l-DOPA-induced dyskinesia. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2021**, 320, R541-R546	3.2	