

Ignacio Lizasoain

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181
papers

11,223
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57
h-index

101
g-index

187
ext. papers

12,332
ext. citations

6.3
avg, IF

5.63
L-index

#	Paper	IF	Citations
181	Induction of calcium-dependent nitric oxide synthases by sex hormones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 5212-6	11.5	1002
180	Toll-like receptor 4 is involved in brain damage and inflammation after experimental stroke. <i>Circulation</i> , 2007 , 115, 1599-608	16.7	460
179	cGMP mediates the vascular and platelet actions of nitric oxide: confirmation using an inhibitor of the soluble guanylyl cyclase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 1480-5	11.5	396
178	Neutrophils scan for activated platelets to initiate inflammation. <i>Science</i> , 2014 , 346, 1234-8	33.3	388
177	Nitric oxide and peroxynitrite exert distinct effects on mitochondrial respiration which are differentially blocked by glutathione or glucose. <i>Biochemical Journal</i> , 1996 , 314 (Pt 3), 877-80	3.8	302
176	Plasma Metalloproteinase-9 Concentration Predicts Hemorrhagic Transformation in Acute Ischemic Stroke. <i>Stroke</i> , 2003 , 34, 40-46	6.7	301
175	Glutathione depletion, lipid peroxidation and mitochondrial dysfunction are induced by chronic stress in rat brain. <i>Neuropsychopharmacology</i> , 2001 , 24, 420-9	8.7	279
174	Statin treatment withdrawal in ischemic stroke: a controlled randomized study. <i>Neurology</i> , 2007 , 69, 904-10	6.5	248
173	Role of nitric oxide after brain ischaemia. <i>Cell Calcium</i> , 2004 , 36, 265-75	4	207
172	N2 neutrophils, novel players in brain inflammation after stroke: modulation by the PPAR α agonist rosiglitazone. <i>Stroke</i> , 2013 , 44, 3498-508	6.7	199
171	Mitochondrial respiratory chain and free radical generation in stroke. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 1291-304	7.8	187
170	The increase of circulating endothelial progenitor cells after acute ischemic stroke is associated with good outcome. <i>Stroke</i> , 2007 , 38, 2759-64	6.7	184
169	Chronic stress induces the expression of inducible nitric oxide synthase in rat brain cortex. <i>Journal of Neurochemistry</i> , 2000 , 74, 785-91	6	180
168	The increase in TNF-alpha levels is implicated in NF-kappaB activation and inducible nitric oxide synthase expression in brain cortex after immobilization stress. <i>Neuropsychopharmacology</i> , 2002 , 26, 155-63	8.7	175
167	Silent information regulator 1 protects the brain against cerebral ischemic damage. <i>Stroke</i> , 2013 , 44, 2333-7	6.7	164
166	The formation of nitric oxide donors from peroxynitrite. <i>British Journal of Pharmacology</i> , 1995 , 116, 1999-2004	8.2	160
165	Inducible nitric oxide synthase expression in brain cortex after acute restraint stress is regulated by nuclear factor kappaB-mediated mechanisms. <i>Journal of Neurochemistry</i> , 2001 , 76, 532-8	6	153

164	Toll-like receptor 4 is involved in subacute stress-induced neuroinflammation and in the worsening of experimental stroke. <i>Stroke</i> , 2008 , 39, 1314-20	6.7	150
163	Cannabinoid type 2 receptor activation downregulates stroke-induced classic and alternative brain macrophage/microglial activation concomitant to neuroprotection. <i>Stroke</i> , 2012 , 43, 211-9	6.7	147
162	Rational modulation of the innate immune system for neuroprotection in ischemic stroke. <i>Frontiers in Neuroscience</i> , 2015 , 9, 147	5.1	140
161	Ischemic preconditioning reveals that GLT1/EAAT2 glutamate transporter is a novel PPARgamma target gene involved in neuroprotection. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1327-33	7.3	126
160	In vitro ischemic tolerance involves upregulation of glutamate transport partly mediated by the TACE/ADAM17-tumor necrosis factor-alpha pathway. <i>Journal of Neuroscience</i> , 2004 , 24, 1350-7	6.6	118
159	Induction of cyclooxygenase-2 accounts for restraint stress-induced oxidative status in rat brain. <i>Neuropsychopharmacology</i> , 2003 , 28, 1579-88	8.7	117
158	The prediction of malignant cerebral infarction by molecular brain barrier disruption markers. <i>Stroke</i> , 2005 , 36, 1921-6	6.7	113
157	Neuronal and inducible nitric oxide synthase and nitrotyrosine immunoreactivities in the cerebral cortex of the aging rat. <i>Microscopy Research and Technique</i> , 1998 , 43, 75-88	2.8	110
156	Neuronal expression of inducible nitric oxide synthase after oxygen and glucose deprivation in rat forebrain slices. <i>European Journal of Neuroscience</i> , 1998 , 10, 445-56	3.5	106
155	Synthesis of lipoxin A4 by 5-lipoxygenase mediates PPARgamma-dependent, neuroprotective effects of rosiglitazone in experimental stroke. <i>Journal of Neuroscience</i> , 2009 , 29, 3875-84	6.6	101
154	Toll-like receptor 4 is involved in neuroprotection afforded by ischemic preconditioning. <i>Journal of Neurochemistry</i> , 2009 , 109, 287-94	6	99
153	Neuroprotection afforded by prior citicoline administration in experimental brain ischemia: effects on glutamate transport. <i>Neurobiology of Disease</i> , 2005 , 18, 336-45	7.5	96
152	Rosiglitazone and 15-deoxy-Delta12,14-prostaglandin J2 cause potent neuroprotection after experimental stroke through noncompletely overlapping mechanisms. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006 , 26, 218-29	7.3	93
151	Peroxisome proliferator-activated receptor gamma activation decreases neuroinflammation in brain after stress in rats. <i>Biological Psychiatry</i> , 2005 , 57, 885-94	7.9	92
150	Validation of housekeeping genes for quantitative real-time PCR in in-vivo and in-vitro models of cerebral ischaemia. <i>BMC Molecular Biology</i> , 2009 , 10, 57	4.5	91
149	Programmed Disarming of the neutrophil proteome reduces the magnitude of inflammation. <i>Nature Immunology</i> , 2020 , 21, 135-144	19.1	89
148	Implication of glutamate in the expression of inducible nitric oxide synthase after oxygen and glucose deprivation in rat forebrain slices. <i>Journal of Neurochemistry</i> , 2000 , 74, 2041-8	6	87
147	A polymorphism in the EAAT2 promoter is associated with higher glutamate concentrations and higher frequency of progressing stroke. <i>Journal of Experimental Medicine</i> , 2006 , 203, 711-7	16.6	87

146	Characterization of the neuroprotective effect of the cannabinoid agonist WIN-55212 in an in vitro model of hypoxic-ischemic brain damage in newborn rats. <i>Pediatric Research</i> , 2006 , 60, 169-73	3.2	85
145	Mitochondria and reactive oxygen and nitrogen species in neurological disorders and stroke: Therapeutic implications. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 1299-315	18.5	84
144	The role of PPARgamma on restoration of colonic homeostasis after experimental stress-induced inflammation and dysfunction. <i>Gastroenterology</i> , 2007 , 132, 1791-803	13.3	81
143	Inhibition of glutamate release via recovery of ATP levels accounts for a neuroprotective effect of aspirin in rat cortical neurons exposed to oxygen-glucose deprivation. <i>Stroke</i> , 2002 , 33, 261-7	6.7	79
142	Activation of liver X receptors promotes neuroprotection and reduces brain inflammation in experimental stroke. <i>Circulation</i> , 2008 , 118, 1450-9	16.7	78
141	Inhibition of iNOS activity by 1400W decreases glutamate release and ameliorates stroke outcome after experimental ischemia. <i>Neurobiology of Disease</i> , 2005 , 18, 375-84	7.5	78
140	The release of tumor necrosis factor-alpha is associated with ischemic tolerance in human stroke. <i>Annals of Neurology</i> , 2003 , 54, 811-9	9.4	77
139	TNFR1 upregulation mediates tolerance after brain ischemic preconditioning. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 193-203	7.3	77
138	Neuroprotective effect of aspirin by inhibition of glutamate release after permanent focal cerebral ischaemia in rats. <i>Journal of Neurochemistry</i> , 2001 , 79, 456-9	6	72
137	A mouse model of hemorrhagic transformation by delayed tissue plasminogen activator administration after in situ thromboembolic stroke. <i>Stroke</i> , 2011 , 42, 196-203	6.7	64
136	A chronic treatment with CDP-choline improves functional recovery and increases neuronal plasticity after experimental stroke. <i>Neurobiology of Disease</i> , 2007 , 26, 105-11	7.5	64
135	Dual role of nitric oxide in adult neurogenesis. <i>Brain Research Reviews</i> , 2005 , 50, 1-6		64
134	Effect of subacute and chronic immobilisation stress on the outcome of permanent focal cerebral ischaemia in rats. <i>Brain Research</i> , 2003 , 979, 137-45	3.7	62
133	L-kynurenine/aryl hydrocarbon receptor pathway mediates brain damage after experimental stroke. <i>Circulation</i> , 2014 , 130, 2040-51	16.7	61
132	Implication of TNF-alpha convertase (TACE/ADAM17) in inducible nitric oxide synthase expression and inflammation in an experimental model of colitis. <i>Cytokine</i> , 2001 , 16, 220-6	4	60
131	Involvement of IL-1beta in acute stress-induced worsening of cerebral ischaemia in rats. <i>European Neuropsychopharmacology</i> , 2007 , 17, 600-7	1.2	59
130	Increased plasma levels of 15-deoxyDelta prostaglandin J2 are associated with good outcome in acute atherothrombotic ischemic stroke. <i>Stroke</i> , 2005 , 36, 1189-94	6.7	59
129	The nonthiazolidinedione PPARgamma agonist L-796,449 is neuroprotective in experimental stroke. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005 , 64, 797-805	3.1	59

128	Up-regulation of neuronal NO synthase immunoreactivity in opiate dependence and withdrawal. <i>Psychopharmacology</i> , 2000 , 148, 66-73	4.7	59
127	Relationship between cyclooxygenase-2 and nitric oxide synthase-2 in rat cortex after stress. <i>European Journal of Neuroscience</i> , 2003 , 18, 1701-5	3.5	58
126	Mechanisms of the neuroprotective effect of aspirin after oxygen and glucose deprivation in rat forebrain slices. <i>Neuropharmacology</i> , 2000 , 39, 1309-18	5.5	58
125	Up-regulation of TNF-alpha convertase (TACE/ADAM17) after oxygen-glucose deprivation in rat forebrain slices. <i>Neuropharmacology</i> , 2001 , 40, 1094-102	5.5	58
124	The cannabinoid agonist WIN55212 reduces brain damage in an in vivo model of hypoxic-ischemic encephalopathy in newborn rats. <i>Pediatric Research</i> , 2007 , 62, 255-60	3.2	57
123	The ontogeny of cerebral and cerebellar nitric oxide synthase in the guinea pig and rat. <i>Pediatric Research</i> , 1996 , 39, 779-83	3.2	56
122	Myeloid cells as therapeutic targets in neuroinflammation after stroke: Specific roles of neutrophils and neutrophil-platelet interactions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018 , 38, 2150-2164	7.3	54
121	TACE/ADAM17-TNF-alpha pathway in rat cortical cultures after exposure to oxygen-glucose deprivation or glutamate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 576-85	7.3	54
120	Upregulation of TACE/ADAM17 after ischemic preconditioning is involved in brain tolerance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 1297-302	7.3	52
119	Pharmacological Modulation of Neutrophil Extracellular Traps Reverses Thrombotic Stroke tPA (Tissue-Type Plasminogen Activator) Resistance. <i>Stroke</i> , 2019 , 50, 3228-3237	6.7	50
118	Rosiglitazone-induced CD36 up-regulation resolves inflammation by PPAR α and 5-LO-dependent pathways. <i>Journal of Leukocyte Biology</i> , 2014 , 95, 587-98	6.5	50
117	Abolition of aberrant neurogenesis ameliorates cognitive impairment after stroke in mice. <i>Journal of Clinical Investigation</i> , 2019 , 129, 1536-1550	15.9	50
116	Role of TLR4 (Toll-Like Receptor 4) in N1/N2 Neutrophil Programming After Stroke. <i>Stroke</i> , 2019 , 50, 2922-2932	6.7	49
115	Colonic bacterial translocation as a possible factor in stress-worsening experimental stroke outcome. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 296, R979-85	3.2	47
114	New-onset hypertension and inflammatory response/poor outcome in acute ischemic stroke. <i>Neurology</i> , 2006 , 67, 1973-8	6.5	47
113	Reparative effects of interleukin-1 receptor antagonist in young and aged/co-morbid rodents after cerebral ischemia. <i>Brain, Behavior, and Immunity</i> , 2017 , 61, 117-126	16.6	46
112	Hyperthermia is a surrogate marker of inflammation-mediated cause of brain damage in acute ischaemic stroke. <i>Journal of Internal Medicine</i> , 2006 , 260, 343-9	10.8	46
111	Aging increases microglial proliferation, delays cell migration, and decreases cortical neurogenesis after focal cerebral ischemia. <i>Journal of Neuroinflammation</i> , 2015 , 12, 87	10.1	45

110	Micro- and macroalbuminuria predict hemorrhagic transformation in acute ischemic stroke. <i>Neurology</i> , 2006 , 67, 1172-7	6.5	45
109	Inhibition of glutamate release by delaying ATP fall accounts for neuroprotective effects of antioxidants in experimental stroke. <i>FASEB Journal</i> , 2003 , 17, 2082-4	0.9	45
108	Cannabinoid Type-2 Receptor Drives Neurogenesis and Improves Functional Outcome After Stroke. <i>Stroke</i> , 2017 , 48, 204-212	6.7	43
107	Toll-like receptor 4 modulates cell migration and cortical neurogenesis after focal cerebral ischemia. <i>FASEB Journal</i> , 2014 , 28, 4710-8	0.9	43
106	Regulator of calcineurin 1 (Rcan1) has a protective role in brain ischemia/reperfusion injury. <i>Journal of Neuroinflammation</i> , 2012 , 9, 48	10.1	42
105	The seek of neuroprotection: introducing cannabinoids. <i>Recent Patents on CNS Drug Discovery</i> , 2007 , 2, 131-9		40
104	Buprenorphine: bell-shaped dose-response curve for its antagonist effects. <i>General Pharmacology</i> , 1991 , 22, 297-300		40
103	Reduced infarct size and accumulation of microglia in rats treated with WIN 55,212-2 after neonatal stroke. <i>Neuroscience</i> , 2012 , 207, 307-15	3.9	39
102	Inhibition by lamotrigine of the generation of nitric oxide in rat forebrain slices. <i>Journal of Neurochemistry</i> , 1995 , 64, 636-42	6	38
101	Down-regulation of neuronal nitric oxide synthase by nitric oxide after oxygen-glucose deprivation in rat forebrain slices. <i>Journal of Neurochemistry</i> , 1999 , 72, 248-54	6	38
100	The role of tumor necrosis factor-alpha in stress-induced worsening of cerebral ischemia in rats. <i>Neuroscience</i> , 2006 , 142, 59-69	3.9	37
99	Amelioration of ischemic brain damage by peritoneal dialysis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4359-63	15.9	37
98	Neuronal death induced by SIN-1 in the presence of superoxide dismutase: protection by cyclic GMP. <i>Neuropharmacology</i> , 1998 , 37, 1071-9	5.5	36
97	Ischemic preconditioning: a novel target for neuroprotective therapy. <i>Cerebrovascular Diseases</i> , 2006 , 21 Suppl 2, 38-47	3.2	36
96	miRNA expression is modulated over time after focal ischaemia: up-regulation of miR-347 promotes neuronal apoptosis. <i>FEBS Journal</i> , 2013 , 280, 6233-46	5.7	35
95	Longitudinal studies of ischemic penumbra by using 18F-FDG PET and MRI techniques in permanent and transient focal cerebral ischemia in rats. <i>NeuroImage</i> , 2011 , 57, 45-54	7.9	35
94	Delayed post-ischemic administration of CDP-choline increases EAAT2 association to lipid rafts and affords neuroprotection in experimental stroke. <i>Neurobiology of Disease</i> , 2008 , 29, 123-31	7.5	34
93	L-arginine levels in blood as a marker of nitric oxide-mediated brain damage in acute stroke: a clinical and experimental study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003 , 23, 978-84	7.3	34

92	Implication of the Toll-like receptor 4 pathway in the response to interferon- γ in multiple sclerosis. <i>Annals of Neurology</i> , 2011 , 70, 634-45	9.4	33
91	Neuroprotection and recovery: recent data at the bench on citicoline. <i>Stroke</i> , 2011 , 42, S33-5	6.7	33
90	Protective effect of N-(3-(aminomethyl)benzyl) acetamidine, an inducible nitric oxide synthase inhibitor, in brain slices exposed to oxygen-glucose deprivation. <i>European Journal of Pharmacology</i> , 1998 , 354, 161-5	5.3	33
89	Neuroprotective effects of aspirin in patients with acute cerebral infarction. <i>Neuroscience Letters</i> , 2003 , 339, 248-50	3.3	33
88	N-(3-(aminomethyl)benzyl)acetamidine, an inducible nitric oxide synthase inhibitor, decreases colonic inflammation induced by trinitrobenzene sulphonic acid in rats. <i>Life Sciences</i> , 2001 , 69, 479-91	6.8	33
87	Citicoline (CDP-choline) increases Sirtuin1 expression concomitant to neuroprotection in experimental stroke. <i>Journal of Neurochemistry</i> , 2013 , 126, 819-26	6	32
86	The cannabinoid WIN55212-2 promotes neural repair after neonatal hypoxia-ischemia. <i>Stroke</i> , 2010 , 41, 2956-64	6.7	32
85	TNFR1 mediates increased neuronal membrane EAAT3 expression after in vivo cerebral ischemic preconditioning. <i>Neuroscience</i> , 2006 , 138, 1171-8	3.9	32
84	Immature rat brain slices exposed to oxygen-glucose deprivation as an in vitro model of neonatal hypoxic-ischemic encephalopathy. <i>Journal of Neuroscience Methods</i> , 2005 , 145, 205-12	3	32
83	Stress-induced increase in extracellular sucrose space in rats is mediated by nitric oxide. <i>Brain Research</i> , 2002 , 938, 87-91	3.7	31
82	Correlation between brain nitric oxide synthase activity and opiate withdrawal. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1996 , 353, 349-54	3.4	31
81	Neurorepair versus neuroprotection in stroke. <i>Cerebrovascular Diseases</i> , 2006 , 21 Suppl 2, 54-63	3.2	30
80	Aspirin inhibits stress-induced increase in plasma glutamate, brain oxidative damage and ATP fall in rats. <i>NeuroReport</i> , 2002 , 13, 217-21	1.7	30
79	Nitric oxide synthase activity in human squamous cell carcinoma of the head and neck. <i>Laryngoscope</i> , 1999 , 109, 148-52	3.6	30
78	Neuroprotective effects of DETA-NONOate, a nitric oxide donor, on hydrogen peroxide-induced neurotoxicity in cortical neurones. <i>Neuropharmacology</i> , 1999 , 38, 1307-15	5.5	30
77	Iron-loaded transferrin (Tf) is detrimental whereas iron-free Tf confers protection against brain ischemia by modifying blood Tf saturation and subsequent neuronal damage. <i>Redox Biology</i> , 2018 , 15, 143-158	11.3	30
76	Daidzein has neuroprotective effects through ligand-binding-independent PPAR α activation. <i>Neurochemistry International</i> , 2012 , 61, 119-27	4.4	29
75	Targets of cytoprotection in acute ischemic stroke: present and future. <i>Cerebrovascular Diseases</i> , 2006 , 21 Suppl 2, 1-8	3.2	29

74	The anti-inflammatory prostaglandin 15d-PGJ2 decreases oxidative/nitrosative mediators in brain after acute stress in rats. <i>Psychopharmacology</i> , 2005 , 180, 513-22	4.7	28
73	Toll-Like Receptor 4 Mediates Hemorrhagic Transformation After Delayed Tissue Plasminogen Activator Administration in In Situ Thromboembolic Stroke. <i>Stroke</i> , 2017 , 48, 1695-1699	6.7	27
72	The Kynurenine Pathway in the Acute and Chronic Phases of Cerebral Ischemia. <i>Current Pharmaceutical Design</i> , 2016 , 22, 1060-73	3.3	26
71	Efficacy of Alteplase in a Mouse Model of Acute Ischemic Stroke: A Retrospective Pooled Analysis. <i>Stroke</i> , 2016 , 47, 1312-1318	6.7	25
70	TNF-alpha accounts for short-term persistence of oxidative status in rat brain after two weeks of repeated stress. <i>European Journal of Neuroscience</i> , 2004 , 20, 1125-30	3.5	24
69	Postnatal changes in the nitric oxide system of the rat cerebral cortex after hypoxia during delivery. <i>Developmental Brain Research</i> , 2003 , 142, 177-92		24
68	Upregulation of TACE/ADAM17 After Ischemic Preconditioning Is Involved in Brain Tolerance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 1297-1302	7.3	24
67	High blood pressure and inflammation are associated with poor prognosis in lacunar infarctions. <i>Cerebrovascular Diseases</i> , 2006 , 22, 123-9	3.2	23
66	Morphine-induced changes in cerebral and cerebellar nitric oxide synthase activity. <i>European Journal of Pharmacology</i> , 1995 , 285, 95-8	5.3	23
65	TLR4-Binding DNA Aptamers Show a Protective Effect against Acute Stroke in Animal Models. <i>Molecular Therapy</i> , 2018 , 26, 2047-2059	11.7	22
64	Iron overload, measured as serum ferritin, increases brain damage induced by focal ischemia and early reperfusion. <i>Neurochemistry International</i> , 2012 , 61, 1364-9	4.4	22
63	Activity of inducible and neuronal nitric oxide synthases in colonic mucosa predicts progression of ulcerative colitis. <i>American Journal of Gastroenterology</i> , 2004 , 99, 1756-64	0.7	22
62	Specific Features of SVZ Neurogenesis After Cortical Ischemia: a Longitudinal Study. <i>Scientific Reports</i> , 2017 , 7, 16343	4.9	20
61	Characterization of Gcf2/Lrrfp1 in experimental cerebral ischemia and its role as a modulator of Akt, mTOR and Eatenin signaling pathways. <i>Neuroscience</i> , 2014 , 268, 48-65	3.9	18
60	Stress increases susceptibility to oxidative/nitrosative mucosal damage in an experimental model of colitis in rats. <i>Digestive Diseases and Sciences</i> , 2004 , 49, 1713-21	4	18
59	Lack of the aryl hydrocarbon receptor accelerates aging in mice. <i>FASEB Journal</i> , 2019 , 33, 12644-12654	0.9	17
58	Lack of adrenomedullin, but not complement factor H, results in larger infarct size and more extensive brain damage in a focal ischemia model. <i>Neuroscience</i> , 2010 , 171, 885-92	3.9	17
57	Expression and function of tumour necrosis factor-alpha-converting enzyme in the central nervous system. <i>NeuroSignals</i> , 2003 , 12, 53-8	1.9	17

56	Calcium channel blockers: effect on morphine-induced hypermotility. <i>Psychopharmacology</i> , 1990 , 101, 267-70	4.7	17
55	Fructose-1,6-bisphosphate inhibits the expression of inducible nitric oxide synthase caused by oxygen-glucose deprivation through the inhibition of glutamate release in rat forebrain slices. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2000 , 362, 208-12	3.4	16
54	Use of brain slices in the study of pathogenic role of inducible nitric oxide synthase in cerebral ischemia-reperfusion. <i>General Pharmacology</i> , 1999 , 32, 577-81		16
53	Modulation of GSK-3 provides cellular and functional neuroprotection in the rd10 mouse model of retinitis pigmentosa. <i>Molecular Neurodegeneration</i> , 2018 , 13, 19	19	15
52	Imaging the role of toll-like receptor 4 on cell proliferation and inflammation after cerebral ischemia by positron emission tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 702-8	7.3	15
51	Seladin-1/DHCR24 Is Neuroprotective by Associating EAAT2 Glutamate Transporter to Lipid Rafts in Experimental Stroke. <i>Stroke</i> , 2016 , 47, 206-13	6.7	15
50	Toll-like receptor 4 regulates subventricular zone proliferation and neuroblast migration after experimental stroke. <i>Brain, Behavior, and Immunity</i> , 2019 , 80, 573-582	16.6	14
49	Cannabinoids: well-suited candidates for the treatment of perinatal brain injury. <i>Brain Sciences</i> , 2013 , 3, 1043-59	3.4	14
48	TNF-alpha converting enzyme (TACE) protein expression in different clinical subtypes of multiple sclerosis. <i>Journal of Neurology</i> , 2006 , 253, 701-6	5.5	14
47	Inhibition of morphine withdrawal by lamotrigine: involvement of nitric oxide. <i>European Journal of Pharmacology</i> , 1996 , 299, 41-5	5.3	14
46	Effects of antihistaminics on locomotor activity in mice. Comparison with opiate and amphetamine-induced hyperactivity. <i>General Pharmacology</i> , 1991 , 22, 293-6		14
45	Iron Overload Exacerbates the Risk of Hemorrhagic Transformation After tPA (Tissue-Type Plasminogen Activator) Administration in Thromboembolic Stroke Mice. <i>Stroke</i> , 2018 , 49, 2163-2172	6.7	13
44	Complexity of the cell-cell interactions in the innate immune response after cerebral ischemia. <i>Brain Research</i> , 2015 , 1623, 53-62	3.7	13
43	AhR Deletion Promotes Aberrant Morphogenesis and Synaptic Activity of Adult-Generated Granule Neurons and Impairs Hippocampus-Dependent Memory. <i>ENeuro</i> , 2018 , 5,	3.9	13
42	The high-mobility group I-Y transcription factor is involved in cerebral ischemia and modulates the expression of angiogenic proteins. <i>Neuroscience</i> , 2014 , 269, 112-30	3.9	12
41	Functional cGMP-gated channels in cerebellar granule cells. <i>Journal of Cellular Physiology</i> , 2012 , 227, 2252-63	7	11
40	Cerebrospinal fluid and plasma concentrations of nitric oxide metabolites are increased in dementia with Lewy bodies. <i>Neuroscience Letters</i> , 2002 , 333, 151-3	3.3	11
39	Role of sodium cromoglycate on analgesia, locomotor activity and opiate withdrawal in mice. <i>Psychopharmacology</i> , 1992 , 107, 595-600	4.7	11

38	Neurological tests for functional outcome assessment in rodent models of ischaemic stroke. <i>Revista De Neurologia</i> , 2011 , 53, 607-18	24	11
37	Peroxynitrite causes aspartate release from dissociated rat cerebellar granule neurones. <i>Free Radical Research</i> , 1998 , 28, 193-204	4	10
36	Test repositioning for functional assessment of neurological outcome after experimental stroke in mice. <i>PLoS ONE</i> , 2017 , 12, e0176770	3.7	9
35	Inducible nitric oxide synthase activity is expressed not only in inflamed but also in normal colonic mucosa in patients with ulcerative colitis: a potential prognostic marker. <i>American Journal of Gastroenterology</i> , 2000 , 95, 1371-1373	0.7	9
34	Influence of psychogenetics in opiate tolerance and abstinence in mice. <i>General Pharmacology</i> , 1991 , 22, 713-6		9
33	Post-stroke Neurogenesis: Friend or Foe?. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 657846	5.7	9
32	New Mechanistic Insights, Novel Treatment Paradigms, and Clinical Progress in Cerebrovascular Diseases. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 623751	5.3	9
31	Aumento de expresión y actividad de MMP-9 en rinosinusitis crónica con poliposis nasal. <i>Acta Otorrinolaringológica Española</i> , 2008 , 59, 444-447	0.9	8
30	Effects of antihistaminics on naloxone-induced withdrawal in morphine-dependent mice. <i>Psychopharmacology</i> , 1990 , 102, 106-11	4.7	8
29	Stereological and flow cytometry characterization of leukocyte subpopulations in models of transient or permanent cerebral ischemia. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	8
28	Nitric Oxide Synthase as a Target for the Prevention of Hypoxic-Ischemic Newborn Brain Damage. <i>Current Enzyme Inhibition</i> , 2006 , 2, 219-229	0.5	6
27	Inducible nitric oxide synthase activity is expressed not only in inflamed but also in normal colonic mucosa in patients with ulcerative colitis: a potential prognostic marker. <i>American Journal of Gastroenterology</i> , 2000 , 95, 1371-3	0.7	6
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