

Eduardo Candelario-Jalil

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91
papers

4,376
citations

38
h-index

65
g-index

101
ext. papers

5,161
ext. citations

5.8
avg. IF

5.73
L-index

#	Paper	IF	Citations
91	Diverse roles of matrix metalloproteinases and tissue inhibitors of metalloproteinases in neuroinflammation and cerebral ischemia. <i>Neuroscience</i> , 2009 , 158, 983-94	3.9	406
90	Neuroinflammatory mechanisms of blood-brain barrier damage in ischemic stroke. <i>American Journal of Physiology - Cell Physiology</i> , 2019 , 316, C135-C153	5.4	212
89	Assessment of the relative contribution of COX-1 and COX-2 isoforms to ischemia-induced oxidative damage and neurodegeneration following transient global cerebral ischemia. <i>Journal of Neurochemistry</i> , 2003 , 86, 545-55	6	158
88	Resveratrol potentially reduces prostaglandin E2 production and free radical formation in lipopolysaccharide-activated primary rat microglia. <i>Journal of Neuroinflammation</i> , 2007 , 4, 25	10.1	156
87	Time course of oxidative damage in different brain regions following transient cerebral ischemia in gerbils. <i>Neuroscience Research</i> , 2001 , 41, 233-41	2.9	152
86	Cyclooxygenase inhibition limits blood-brain barrier disruption following intracerebral injection of tumor necrosis factor-alpha in the rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 323, 488-98	4.7	135
85	Therapeutic efficacy of ozone in patients with diabetic foot. <i>European Journal of Pharmacology</i> , 2005 , 523, 151-61	5.3	135
84	Delayed treatment with nimesulide reduces measures of oxidative stress following global ischemic brain injury in gerbils. <i>Neuroscience Research</i> , 2003 , 47, 245-53	2.9	118
83	Lipopolysaccharide-Induced Neuroinflammation as a Bridge to Understand Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	117
82	Injury and repair mechanisms in ischemic stroke: considerations for the development of novel neurotherapeutics. <i>Current Opinion in Investigational Drugs</i> , 2009 , 10, 644-54		117
81	Signal transduction pathways regulating cyclooxygenase-2 in lipopolysaccharide-activated primary rat microglia. <i>Glia</i> , 2005 , 51, 199-208	9	112
80	Matrix metalloproteinases are associated with increased blood-brain barrier opening in vascular cognitive impairment. <i>Stroke</i> , 2011 , 42, 1345-50	6.7	105
79	Post-ischaemic treatment with the cyclooxygenase-2 inhibitor nimesulide reduces blood-brain barrier disruption and leukocyte infiltration following transient focal cerebral ischaemia in rats. <i>Journal of Neurochemistry</i> , 2007 , 100, 1108-20	6	99
78	Increased intranuclear matrix metalloproteinase activity in neurons interferes with oxidative DNA repair in focal cerebral ischemia. <i>Journal of Neurochemistry</i> , 2010 , 112, 134-49	6	97
77	Early beneficial effect of matrix metalloproteinase inhibition on blood-brain barrier permeability as measured by magnetic resonance imaging countered by impaired long-term recovery after stroke in rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 431-8	7.3	93
76	Effects of ozone oxidative preconditioning on nitric oxide generation and cellular redox balance in a rat model of hepatic ischaemia-reperfusion. <i>Liver International</i> , 2004 , 24, 55-62	7.9	82
75	Cyclooxygenase inhibition in ischemic brain injury. <i>Current Pharmaceutical Design</i> , 2008 , 14, 1401-18	3.3	81

74	The 5-HT ₃ receptor antagonist tropisetron inhibits T cell activation by targeting the calcineurin pathway. <i>Biochemical Pharmacology</i> , 2005 , 70, 369-80	6	73
73	Expression of SARS-CoV-2 Entry Factors in the Pancreas of Normal Organ Donors and Individuals with COVID-19. <i>Cell Metabolism</i> , 2020 , 32, 1041-1051.e6	24.6	71
72	Similar protective effect of ischaemic and ozone oxidative preconditionings in liver ischaemia/reperfusion injury. <i>Pharmacological Research</i> , 2002 , 45, 333-9	10.2	69
71	Mangiferin inhibits cyclooxygenase-2 expression and prostaglandin E ₂ production in activated rat microglial cells. <i>Archives of Biochemistry and Biophysics</i> , 2008 , 477, 253-8	4.1	67
70	Regulation of prostaglandin E ₂ synthase expression in activated primary rat microglia: evidence for uncoupled regulation of mPGES-1 and COX-2. <i>Glia</i> , 2008 , 56, 844-55	9	67
69	Expression of 5-HT _{3A} receptors in cells of the immune system. <i>Scandinavian Journal of Rheumatology</i> , 2004 , 33, 9-11	1.9	62
68	Ozone treatment reduces markers of oxidative and endothelial damage in an experimental diabetes model in rats. <i>Pharmacological Research</i> , 2001 , 44, 391-6	10.2	60
67	Wide therapeutic time window for nimesulide neuroprotection in a model of transient focal cerebral ischemia in the rat. <i>Brain Research</i> , 2004 , 1007, 98-108	3.7	59
66	Antiinflammatory effects of 5-HT ₃ receptor antagonists in lipopolysaccharide-stimulated primary human monocytes. <i>Scandinavian Journal of Rheumatology</i> , 2004 , 33, 28-32	1.9	58
65	Serotonin via 5-HT ₇ receptors activates p38 mitogen-activated protein kinase and protein kinase C epsilon resulting in interleukin-6 synthesis in human U373 MG astrocytoma cells. <i>Journal of Neurochemistry</i> , 2005 , 93, 549-59	6	57
64	Selective vulnerability to kainate-induced oxidative damage in different rat brain regions. <i>Journal of Applied Toxicology</i> , 2001 , 21, 403-7	4.1	55
63	Emerging neuroprotective strategies for the treatment of ischemic stroke: An overview of clinical and preclinical studies. <i>Experimental Neurology</i> , 2021 , 335, 113518	5.7	53
62	Increased apparent diffusion coefficients on MRI linked with matrix metalloproteinases and edema in white matter after bilateral carotid artery occlusion in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 308-16	7.3	51
61	Cyclooxygenase-1 and -2 differentially modulate lipopolysaccharide-induced blood-brain barrier disruption through matrix metalloproteinase activity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 370-80	7.3	48
60	Detrimental role of the EP1 prostanoid receptor in blood-brain barrier damage following experimental ischemic stroke. <i>Scientific Reports</i> , 2015 , 5, 17956	4.9	46
59	Pharmacological inhibition of Akt and downstream pathways modulates the expression of COX-2 and mPGES-1 in activated microglia. <i>Journal of Neuroinflammation</i> , 2012 , 9, 2	10.1	46
58	Effects of the cyclooxygenase-2 inhibitor nimesulide on cerebral infarction and neurological deficits induced by permanent middle cerebral artery occlusion in the rat. <i>Journal of Neuroinflammation</i> , 2005 , 2, 3	10.1	44
57	Neuroprotective efficacy of nimesulide against hippocampal neuronal damage following transient forebrain ischemia. <i>European Journal of Pharmacology</i> , 2002 , 453, 189-95	5.3	41

56	Tissue inhibitor of metalloproteinases-3 mediates the death of immature oligodendrocytes via TNF- α /TACE in focal cerebral ischemia in mice. <i>Journal of Neuroinflammation</i> , 2011 , 8, 108	10.1	40
55	Neurovascular protection by post-ischemic intravenous injections of the lipoxin A4 receptor agonist, BML-111, in a rat model of ischemic stroke. <i>Journal of Neurochemistry</i> , 2014 , 129, 130-42	6	39
54	"Mangifera indica L. extract (QF808) reduces ischaemia-induced neuronal loss and oxidative damage in the gerbil brain". <i>Free Radical Research</i> , 2001 , 35, 465-73	4	39
53	Oxidative preconditioning affords protection against carbon tetrachloride-induced glycogen depletion and oxidative stress in rats. <i>Journal of Applied Toxicology</i> , 2001 , 21, 297-301	4.1	38
52	Nimesulide limits kainate-induced oxidative damage in the rat hippocampus. <i>European Journal of Pharmacology</i> , 2000 , 390, 295-8	5.3	38
51	Targeting resolution of neuroinflammation after ischemic stroke with a lipoxin A analog: Protective mechanisms and long-term effects on neurological recovery. <i>Brain and Behavior</i> , 2017 , 7, e00688	3.4	37
50	Nimesulide as a promising neuroprotectant in brain ischemia: new experimental evidences. <i>Pharmacological Research</i> , 2008 , 57, 266-73	10.2	35
49	Effects of pyruvate administration on infarct volume and neurological deficits following permanent focal cerebral ischemia in rats. <i>Brain Research</i> , 2003 , 990, 1-7	3.7	34
48	Selective degradation of BET proteins with dBET1, a proteolysis-targeting chimera, potently reduces pro-inflammatory responses in lipopolysaccharide-activated microglia. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 497, 410-415	3.4	32
47	Norepinephrine enhances the LPS-induced expression of COX-2 and secretion of PGE2 in primary rat microglia. <i>Journal of Neuroinflammation</i> , 2010 , 7, 2	10.1	32
46	Spatiotemporal correlations between blood-brain barrier permeability and apparent diffusion coefficient in a rat model of ischemic stroke. <i>PLoS ONE</i> , 2009 , 4, e6597	3.7	32
45	Neuroprotective role of a brain-enriched tyrosine phosphatase, STEP, in focal cerebral ischemia. <i>Journal of Neuroscience</i> , 2013 , 33, 17814-26	6.6	30
44	Regional distribution of the prostaglandin E2 receptor EP1 in the rat brain: accumulation in Purkinje cells of the cerebellum. <i>Journal of Molecular Neuroscience</i> , 2005 , 27, 303-10	3.3	30
43	Ascorbic acid enhances the inhibitory effect of aspirin on neuronal cyclooxygenase-2-mediated prostaglandin E2 production. <i>Journal of Neuroimmunology</i> , 2006 , 174, 39-51	3.5	29
42	Neuroprotective effects of the anticancer drug NVP-BEZ235 (dactolisib) on amyloid- β -42 induced neurotoxicity and memory impairment. <i>Scientific Reports</i> , 2016 , 6, 25226	4.9	28
41	Interleukin-1 beta-induced expression of the prostaglandin E-receptor subtype EP3 in U373 astrocytoma cells depends on protein kinase C and nuclear factor-kappaB. <i>Journal of Neurochemistry</i> , 2006 , 96, 680-93	6	28
40	Opposite effects of anandamide and N-arachidonoyl dopamine in the regulation of prostaglandin E and 8-iso-PGF formation in primary glial cells. <i>Journal of Neurochemistry</i> , 2009 , 109, 452-64	6	27
39	Spatiotemporal Changes in P-glycoprotein Levels in Brain and Peripheral Tissues Following Ischemic Stroke in Rats. <i>Journal of Experimental Neuroscience</i> , 2017 , 11, 1179069517701741	3.6	25

38	Resveratrol inhibits prostaglandin formation in IL-1beta-stimulated SK-N-SH neuronal cells. <i>Journal of Neuroinflammation</i> , 2009 , 6, 26	10.1	25
37	Serotonin mediates PGE2 overexpression through 5-HT2A and 5-HT3 receptor subtypes in serum-free tissue culture of macrophage-like synovial cells. <i>Rheumatology International</i> , 2008 , 28, 1017-22	3.6	25
36	Adropin reduces paracellular permeability of rat brain endothelial cells exposed to ischemia-like conditions. <i>Peptides</i> , 2016 , 81, 29-37	3.8	24
35	The highly selective cyclooxygenase-2 inhibitor DFU is neuroprotective when given several hours after transient cerebral ischemia in gerbils. <i>Brain Research</i> , 2002 , 927, 212-5	3.7	24
34	Protective Effects of L-902,688, a Prostanoid EP4 Receptor Agonist, against Acute Blood-Brain Barrier Damage in Experimental Ischemic Stroke. <i>Frontiers in Neuroscience</i> , 2018 , 12, 89	5.1	20
33	Fluorometric immunocapture assay for the specific measurement of matrix metalloproteinase-9 activity in biological samples: application to brain and plasma from rats with ischemic stroke. <i>Molecular Brain</i> , 2013 , 6, 14	4.5	20
32	Neuroprotective effects of targeting BET proteins for degradation with dBET1 in aged mice subjected to ischemic stroke. <i>Neurochemistry International</i> , 2019 , 127, 94-102	4.4	18
31	Age-Dependent Decrease in Adropin is Associated with Reduced Levels of Endothelial Nitric Oxide Synthase and Increased Oxidative Stress in the Rat Brain 2018 , 9, 322-330		18
30	Sustained Neurological Recovery After Stroke in Aged Rats Treated With a Novel Prostacyclin Analog. <i>Stroke</i> , 2017 , 48, 1948-1956	6.7	17
29	Tropisetron inhibits serotonin-induced PGE2 release from macrophage-like synovial cells in serum-free tissue culture. <i>Scandinavian Journal of Rheumatology</i> , 2004 , 33, 33-33	1.9	17
28	Post-stroke angiotensin II type 2 receptor activation provides long-term neuroprotection in aged rats. <i>PLoS ONE</i> , 2017 , 12, e0180738	3.7	16
27	Modulation of catecholamine release from rat striatal slices by the fixed combination of aspirin, paracetamol and caffeine. <i>Pharmacological Research</i> , 2006 , 53, 391-6	10.2	15
26	Neuroprotective effects of intrastriatal injection of rapamycin in a mouse model of excitotoxicity induced by quinolinic acid. <i>Journal of Neuroinflammation</i> , 2017 , 14, 25	10.1	14
25	Genetic Deletion or Pharmacological Inhibition of Cyclooxygenase-2 Reduces Blood-Brain Barrier Damage in Experimental Ischemic Stroke. <i>Frontiers in Neurology</i> , 2020 , 11, 887	4.1	13
24	Ischaemic and pharmacological preconditionings protect liver via adenosine and redox status following hepatic ischaemia/reperfusion in rats. <i>Clinical Science</i> , 2008 , 115, 69-77	6.5	12
23	Impact of aging and comorbidities on ischemic stroke outcomes in preclinical animal models: A translational perspective. <i>Experimental Neurology</i> , 2021 , 335, 113494	5.7	12
22	A role for cyclooxygenase-1 in beta-amyloid-induced neuroinflammation. <i>Aging</i> , 2009 , 1, 350-3	5.6	10
21	Neuroinflammation, Stroke, Blood-Brain Barrier Dysfunction, and Imaging Modalities.. <i>Stroke</i> , 2022 , 1011691	6.1	10

20	A positive allosteric modulator of mGluR5 promotes neuroprotective effects in mouse models of Alzheimer's disease. <i>Neuropharmacology</i> , 2019 , 160, 107785	5.5	9
19	Detrimental effects of tropisetron on permanent ischemic stroke in the rat. <i>BMC Neuroscience</i> , 2008 , 9, 19	3.2	9
18	1-Trichloromethyl-1,2,3,4-tetrahydro-beta-carboline (TaClo) Alters Cell Cycle Progression in Human Neuroblastoma Cell Lines. <i>Neurotoxicity Research</i> , 2017 , 32, 649-660	4.3	7
17	Selective Inhibition of Janus Kinase 3 Has No Impact on Infarct Size or Neurobehavioral Outcomes in Permanent Ischemic Stroke in Mice. <i>Frontiers in Neurology</i> , 2017 , 8, 363	4.1	6
16	Effects of nimesulide on kainate-induced in vitro oxidative damage in rat brain homogenates. <i>BMC Pharmacology</i> , 2003 , 3, 7		6
15	Effects of coffees before and after special treatment procedure on cell membrane potentials in stomach cells. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , 2006 , 28, 369-72		6
14	ACE2 and SARS-CoV-2 Expression in the Normal and COVID-19 Pancreas		4
13	Role of BET Proteins in Inflammation and CNS Diseases. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 7484496	4.96	3
12	Role of Matrix Metalloproteinases in Brain Edema 2017 , 199-215		2
11	ACE2 and SARS-CoV-2 Expression in the Normal and COVID-19 Pancreas. <i>SSRN Electronic Journal</i> ,	1	2
10	Abstract TP277: Adropin is Profoundly Neuroprotective in Experimental Ischemic Stroke. <i>Stroke</i> , 2017 , 48,	6.7	2
9	Regulation of post-ischemic inflammatory response: A novel function of the neuronal tyrosine phosphatase STEP. <i>Brain, Behavior, and Immunity</i> , 2021 , 93, 141-155	16.6	2
8	Adropin correlates with aging-related neuropathology in humans and improves cognitive function in aging mice. <i>Npj Aging and Mechanisms of Disease</i> , 2021 , 7, 23	5.5	2
7	Brain Edema in Neurological Diseases. <i>Advances in Neurobiology</i> , 2011 , 125-168	2.1	2
6	Neurovascular protection by adropin in experimental ischemic stroke through an endothelial nitric oxide synthase-dependent mechanism. <i>Redox Biology</i> , 2021 , 48, 102197	11.3	0
5	Altered cellular localisation and expression, together with unconventional protein trafficking, of prion protein, PrP, in type 1 diabetes. <i>Diabetologia</i> , 2021 , 64, 2279-2291	10.3	0
4	OS 32-03 ANGIOTENSIN II TYPE 2 RECEPTOR AGONIST EXERTS SUSTAINED NEUROPROTECTIVE EFFECTS IN AGED RATS. <i>Journal of Hypertension</i> , 2016 , 34, e390	1.9	
3	Cyclooxygenase-2 regulation of brain lipid composition. <i>Future Lipidology</i> , 2007 , 2, 399-402		

2 Quantification of Protein Expression Changes in the PKC-epsilon/Ca²⁺/CaMKII-alpha Pathway after Early and Late Onset of Ischemic-reperfusion Injury in Adult Male Rats. *FASEB Journal*, **2019**, 33, 551.5 0.9

1 P2-178: REDUCED NEUROINFLAMMATION AND IMPROVED MEMORY IN OLD MALE C57BL/6J MICE OVEREXPRESSING ADROPIN **2018**, 14, P736-P736