

Carles Justicia

List of Publications by Year in descending order

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48
papers

3,124
citations

147801

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254184

43
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48
all docs

48
docs citations

48
times ranked

4242
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil recruitment to the brain in mouse and human ischemic stroke. <i>Acta Neuropathologica</i> , 2015, 129, 239-257.	7.7	307
2	Neutrophil Infiltration Increases Matrix Metalloproteinase-9 in the Ischemic Brain after Occlusion/Reperfusion of the Middle Cerebral Artery in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 1430-1440.	4.3	221
3	Expression and Activation of Matrix Metalloproteinase-2 and -9 in Rat Brain after Transient Focal Cerebral Ischemia. <i>Neurobiology of Disease</i> , 2001, 8, 834-846.	4.4	215
4	Activation of the JAK/STAT pathway following transient focal cerebral ischemia: Signaling through Jak1 and Stat3 in astrocytes. , 2000, 30, 253-270.		181
5	Microglial cell loss after ischemic stroke favors brain neutrophil accumulation. <i>Acta Neuropathologica</i> , 2019, 137, 321-341.	7.7	177
6	Genetically-Defined Deficiency of Mannose-Binding Lectin Is Associated with Protection after Experimental Stroke in Mice and Outcome in Human Stroke. <i>PLoS ONE</i> , 2010, 5, e8433.	2.5	128
7	Activation of nuclear factor- κ B in the rat brain after transient focal ischemia. <i>Molecular Brain Research</i> , 1999, 65, 61-69.	2.3	116
8	Immature monocytes recruited to the ischemic mouse brain differentiate into macrophages with features of alternative activation. <i>Brain, Behavior, and Immunity</i> , 2016, 53, 18-33.	4.1	111
9	Anti-VCAM-1 Antibodies did not Protect against Ischemic Damage Either in Rats Or in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 421-432.	4.3	104
10	Induction of Stat3, a Signal Transducer and Transcription Factor, in Reactive Microglia following Transient Focal Cerebral Ischaemia. <i>European Journal of Neuroscience</i> , 1996, 8, 2612-2618.	2.6	100
11	Caspase-dependent and caspase-independent signalling of apoptosis in the penumbra following middle cerebral artery occlusion in the adult rat. <i>Neuropathology and Applied Neurobiology</i> , 2003, 29, 472-481.	3.2	94
12	Epidermal growth factor receptor in proliferating reactive glia following transient focal ischemia in the rat brain. , 1998, 23, 120-129.		87
13	Cell tracking using magnetic resonance imaging. <i>Journal of Physiology</i> , 2007, 584, 25-30.	2.9	80
14	CNS-border associated macrophages respond to acute ischemic stroke attracting granulocytes and promoting vascular leakage. <i>Acta Neuropathologica Communications</i> , 2018, 6, 76.	5.2	78
15	Stem Cell Mediation of Functional Recovery after Stroke in the Rat. <i>PLoS ONE</i> , 2010, 5, e12779.	2.5	69
16	MRI Detection of Secondary Damage After Stroke. <i>Stroke</i> , 2008, 39, 1541-1547.	2.0	65
17	Administration of Transforming Growth Factor- β Reduces Infarct Volume after Transient Focal Cerebral Ischemia in the Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 1097-1104.	4.3	61
18	Location of Neutrophils in Different Compartments of the Damaged Mouse Brain After Severe Ischemia/Reperfusion. <i>Stroke</i> , 2019, 50, 1548-1557.	2.0	61

#	ARTICLE	IF	CITATIONS
19	CCR2 deficiency in monocytes impairs angiogenesis and functional recovery after ischemic stroke in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, S98-S116.	4.3	57
20	Transforming Growth Factor- β Acting at the Epidermal Growth Factor Receptor Reduces Infarct Volume after Permanent Middle Cerebral Artery Occlusion in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 128-132.	4.3	46
21	High-speed multi-exposure laser speckle contrast imaging with a single-photon counting camera. <i>Biomedical Optics Express</i> , 2015, 6, 2865.	2.9	46
22	Mannose-Binding Lectin Promotes Local Microvascular Thrombosis After Transient Brain Ischemia in Mice. <i>Stroke</i> , 2014, 45, 1453-1459.	2.0	45
23	Uric Acid Is Protective After Cerebral Ischemia/Reperfusion in Hyperglycemic Mice. <i>Translational Stroke Research</i> , 2017, 8, 294-305.	4.2	45
24	Activation of ERK and Akt Signaling in Focal Cerebral Ischemia: Modulation by TGF- β and Involvement of NMDA Receptor. <i>Neurobiology of Disease</i> , 2002, 11, 443-456.	4.4	40
25	A CNS-permeable Hsp90 inhibitor rescues synaptic dysfunction and memory loss in APP-overexpressing Alzheimer's mouse model via an HSF1-mediated mechanism. <i>Molecular Psychiatry</i> , 2017, 22, 990-1001.	7.9	40
26	Role of the S1P pathway and inhibition by fingolimod in preventing hemorrhagic transformation after stroke. <i>Scientific Reports</i> , 2019, 9, 8309.	3.3	39
27	Dendritic Cells and Microglia Have Non-redundant Functions in the Inflamed Brain with Protective Effects of Type 1 cDCs. <i>Cell Reports</i> , 2020, 33, 108291.	6.4	39
28	Induction of cyclooxygenase-2 in the rat brain after a mild episode of focal ischemia without tissue inflammation or neural cell damage. <i>Neuroscience Letters</i> , 1999, 275, 141-144.	2.1	38
29	Steady plasma concentration of unfractionated heparin reduces infarct volume and prevents inflammatory damage after transient focal cerebral ischemia in the rat. <i>Journal of Neuroscience Research</i> , 2004, 77, 565-572.	2.9	38
30	T Cells Prevent Hemorrhagic Transformation in Ischemic Stroke by P-Selectin Binding. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1761-1771.	2.4	38
31	Estimation of Gelatinase Content in Rat Brain: Effect of Focal Ischemia. <i>Biochemical and Biophysical Research Communications</i> , 2000, 278, 803-807.	2.1	36
32	Stat3 Is Present in the Developing and Adult Rat Cerebellum and Participates in the Formation of Transcription Complexes Binding DNA at the cis -Inducible Element. <i>Journal of Neurochemistry</i> , 1997, 68, 1345-1351.	3.9	35
33	Focal cerebral ischemia causes two temporal waves of Akt activation. <i>NeuroReport</i> , 2001, 12, 3381-3384.	1.2	34
34	Transient middle cerebral artery occlusion causes different structural, mechanical, and myogenic alterations in normotensive and hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H628-H635.	3.2	34
35	Modest MRI Signal Intensity Changes Precede Delayed Cortical Necrosis After Transient Focal Ischemia in the Rat. <i>Stroke</i> , 2006, 37, 1525-1532.	2.0	31
36	Striatal Infarction in the Rat Causes a Transient Reduction of Tyrosine Hydroxylase Immunoreactivity in the Ipsilateral Substantia Nigra. <i>Neurobiology of Disease</i> , 1997, 4, 376-385.	4.4	29

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37	Hypoxia and P1 receptor activation regulate the high-affinity concentrative adenosine transporter CNT2 in differentiated neuronal PC12 cells. <i>Biochemical Journal</i> , 2013, 454, 437-445.	3.7	26
38	Reproducible imaging of rat corticothalamic pathway by longitudinal manganese-enhanced MRI (L-MEMRI). <i>NeuroImage</i> , 2008, 41, 668-674.	4.2	25
39	Certain Forms of Matrix Metalloproteinase-9 Accumulate in the Extracellular Space after Microdialysis Probe Implantation and Middle Cerebral Artery Occlusion/Reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 918-925.	4.3	24
40	Stat1 in developing and adult rat brain. Induction after transient focal ischemia. <i>NeuroReport</i> , 1997, 8, 1359-1362.	1.2	22
41	High-density speckle contrast optical tomography (SCOT) for three dimensional tomographic imaging of the small animal brain. <i>NeuroImage</i> , 2017, 153, 283-292.	4.2	21
42	In vivo imaging of induction of heat-shock protein-70 gene expression with fluorescence reflectance imaging and intravital confocal microscopy following brain ischaemia in reporter mice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 426-438.	6.4	15
43	High-density speckle contrast optical tomography of cerebral blood flow response to functional stimuli in the rodent brain. <i>NeuroPhotonics</i> , 2019, 6, 1.	3.3	14
44	Temporospatial expression of HSP72 and c-JUN, and DNA fragmentation in goat hippocampus after global cerebral ischemia. <i>Hippocampus</i> , 2001, 11, 146-156.	1.9	9
45	Longitudinal, transcranial measurement of functional activation in the rat brain by diffuse correlation spectroscopy. <i>NeuroPhotonics</i> , 2017, 4, 1.	3.3	3
46	Improving image quality in small animal diffusion tensor imaging at 7T. , 2012, , .		0
47	A new method utilizing novel single-photon avalanche diode arrays for multi-exposure laser speckle flowmetry. , 2016, , .		0
48	Latest developments in speckle contrast optical tomography (SCOT) for deep tissue blood flow imaging. , 2016, , .		0