

Omar Touzani

List of Publications by Year in descending order

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44
papers

2,108
citations

218677

26
h-index

254184

43
g-index

44
all docs

44
docs citations

44
times ranked

2517
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential mechanisms of interleukin-1 involvement in cerebral ischaemia. <i>Journal of Neuroimmunology</i> , 1999, 100, 203-215.	2.3	217
2	Tissue-Type Plasminogen Activator Crosses the Intact Blood-Brain Barrier by Low-Density Lipoprotein Receptor-Related Protein-Mediated Transcytosis. <i>Circulation</i> , 2005, 111, 2241-2249.	1.6	166
3	Interleukin-1 Influences Ischemic Brain Damage in the Mouse Independently of the Interleukin-1 Type I Receptor. <i>Journal of Neuroscience</i> , 2002, 22, 38-43.	3.6	128
4	Oxygen Glucose Deprivation Switches the Transport of tPA Across the Blood-Brain Barrier From an LRP-Dependent to an Increased LRP-Independent Process. <i>Stroke</i> , 2005, 36, 1059-1064.	2.0	110
5	Role of P2X ₇ Receptors in Ischemic and Excitotoxic Brain Injury <i>In Vivo</i> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 381-384.	4.3	109
6	Sequential Studies of Severely Hypometabolic Tissue Volumes After Permanent Middle Cerebral Artery Occlusion. <i>Stroke</i> , 1995, 26, 2112-2119.	2.0	102
7	Equivocal roles of tissue-type plasminogen activator in stroke-induced injury. <i>Trends in Neurosciences</i> , 2004, 27, 155-160.	8.6	97
8	Relationships between High Oxygen Extraction Fraction in the Acute Stage and Final Infarction in Reversible Middle Cerebral Artery Occlusion: An Investigation in Anesthetized Baboons with Positron Emission Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 1176-1188.	4.3	89
9	Early Reperfusion in the Anesthetized Baboon Reduces Brain Damage Following Middle Cerebral Artery Occlusion. <i>Stroke</i> , 1997, 28, 632-638.	2.0	82
10	Permanent or Transient Chronic Ischemic Stroke in the Non-Human Primate: Behavioral, Neuroimaging, Histological, and Immunohistochemical Investigations. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 273-285.	4.3	77
11	Anti-NR1 N-terminal-domain vaccination unmasks the crucial action of tPA on NMDA-receptor-mediated toxicity and spatial memory. <i>Journal of Cell Science</i> , 2007, 120, 578-585.	2.0	66
12	Combined Therapeutic Strategy Using Erythropoietin and Mesenchymal Stem Cells Potentiates Neurogenesis after Transient Focal Cerebral Ischemia in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1552-1563.	4.3	63
13	PACAP and a novel stable analog protect rat brain from ischemia: Insight into the mechanisms of action. <i>Peptides</i> , 2011, 32, 1207-1216.	2.4	58
14	Progressive impairment of brain oxidative metabolism reversed by reperfusion following middle cerebral artery occlusion in anaesthetized baboons. <i>Brain Research</i> , 1997, 767, 17-25.	2.2	55
15	The ischaemic penumbra. <i>Current Opinion in Neurology</i> , 2001, 14, 83-88.	3.6	51
16	Selective Blockade of Endothelin-B Receptors Exacerbates Ischemic Brain Damage in the Rat. <i>Stroke</i> , 2002, 33, 3019-3025.	2.0	49
17	No Role for Interleukin-18 in Acute Murine Stroke-Induced Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 531-535.	4.3	47
18	Effects of Magnesium Treatment in a Model of Internal Capsule Lesion in Spontaneously Hypertensive Rats. <i>Stroke</i> , 2008, 39, 448-454.	2.0	45

#	ARTICLE	IF	CITATIONS
19	Role of P2X7 Receptors in Ischemic and Excitotoxic Brain Injury In Vivo. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, , 381-384.	4.3	45
20	Intraluminal Thread Model of Focal Stroke in the Non-Human Primate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 786-796.	4.3	44
21	Effects of mesenchymal stem cell therapy, in association with pharmacologically active microcarriers releasing VEGF, in an ischaemic stroke model in the rat. <i>Acta Biomaterialia</i> , 2015, 15, 77-88.	8.3	44
22	Impact of Genetic and Renovascular Chronic Arterial Hypertension on the Acute Spatiotemporal Evolution of the Ischemic Penumbra: A Sequential Study with MRI in the Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 504-513.	4.3	38
23	Endothelin-B Receptors in Cerebral Resistance Arterioles and their Functional Significance after Focal Cerebral Ischemia in Cats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 1157-1165.	4.3	35
24	Effects of indomethacin on cerebral blood flow and oxygen metabolism: a positron emission tomographic investigation in the anaesthetized baboon. <i>Neuroscience Letters</i> , 1996, 220, 137-141.	2.1	31
25	Molecular Mechanisms of Skeletal Muscle Atrophy in a Mouse Model of Cerebral Ischemia. <i>Stroke</i> , 2015, 46, 1673-1680.	2.0	31
26	Pharmacological inhibition of myostatin improves skeletal muscle mass and function in a mouse model of stroke. <i>Scientific Reports</i> , 2017, 7, 14000.	3.3	31
27	Adrenomedullin protects neurons against oxygen glucose deprivation stress in an autocrine and paracrine manner. <i>Journal of Neurochemistry</i> , 2008, 106, 1388-1403.	3.9	27
28	Spontaneously Hypertensive Rats Are Highly Vulnerable to AMPA-Induced Brain Lesions. <i>Stroke</i> , 2007, 38, 3007-3015.	2.0	24
29	Diffusion Tensor MRI Reveals Chronic Alterations in White Matter Despite the Absence of a Visible Ischemic Lesion on Conventional MRI. <i>Stroke</i> , 2011, 42, 1412-1419.	2.0	23
30	Corticotropin-releasing factor: effect on cerebral blood flow in physiologic and ischaemic conditions. <i>Experimental Brain Research</i> , 2005, 165, 375-382.	1.5	15
31	A heparan sulfate-based matrix therapy reduces brain damage and enhances functional recovery following stroke. <i>Theranostics</i> , 2018, 8, 5814-5827.	10.0	14
32	Maternal hypertension during pregnancy modifies the response of the immature brain to hypoxia-induced ischemia: Sequential MRI and behavioral investigations. <i>Experimental Neurology</i> , 2012, 233, 264-272.	4.1	13
33	Cerebrovascular Effects of Sodium Nitroprusside in the Anaesthetized Baboon: A Positron Emission Tomographic Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 535-544.	4.3	12
34	Angiotensin-2 is Vasoprotective in the Acute Phase of Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 389-395.	4.3	12
35	Effects of urotensin-II on cerebral blood flow and ischemia in anesthetized rats. <i>Experimental Neurology</i> , 2008, 210, 577-584.	4.1	11
36	Lack of secondary pathology in the thalamus after focal cerebral ischemia in nonhuman primates. <i>Experimental Neurology</i> , 2013, 248, 224-227.	4.1	9

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37	Two-kidney one-clip is a pertinent approach to integrate arterial hypertension in animal models of stroke: Serial magnetic resonance imaging studies of brain lesions before and during cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1769-1780.	4.3	8
38	Matching Gene Expression with Hypometabolism after Cerebral Ischemia in the Nonhuman Primate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 1165-1169.	4.3	7
39	Assessment of behavioural deficits following ischaemic stroke in the marmoset. <i>Behavioural Brain Research</i> , 2018, 352, 151-160.	2.2	7
40	Chronic arterial hypertension impedes glioma growth: a multiparametric MRI study in the rat. <i>Hypertension Research</i> , 2015, 38, 723-732.	2.7	6
41	Biochemical Characterization of a Caspase-3 Far-red Fluorescent Probe for Non-invasive Optical Imaging of Neuronal Apoptosis. <i>Journal of Molecular Neuroscience</i> , 2014, 54, 451-462.	2.3	5
42	Brain Ischemic Injury in Rodents: The Protective Effect of EPO. <i>Methods in Molecular Biology</i> , 2013, 982, 79-101.	0.9	3
43	Matching Gene Expression With Hypometabolism After Cerebral Ischemia in the Nonhuman Primate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, , 1165-1169.	4.3	2
44	ANATOMY AND PHYSIOLOGY OF CEREBRAL AND SPINAL CORD CIRCULATION. , 2003, , 540-549.		0