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	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. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1769-1780.	4.3	8
2	Assessment of behavioural deficits following ischaemic stroke in the marmoset. Behavioural Brain Research, 2018, 352, 151-160.	2.2	7
3	A heparan sulfate-based matrix therapy reduces brain damage and enhances functional recovery following stroke. Theranostics, 2018, 8, 5814-5827.	10.0	14
4	Pharmacological inhibition of myostatin improves skeletal muscle mass and function in a mouse model of stroke. Scientific Reports, 2017, 7, 14000.	3.3	31
5	Effects of mesenchymal stem cell therapy, in association with pharmacologically active microcarriers releasing VEGF, in an ischaemic stroke model in the rat. Acta Biomaterialia, 2015, 15, 77-88.	8.3	44
6	Molecular Mechanisms of Skeletal Muscle Atrophy in a Mouse Model of Cerebral Ischemia. Stroke, 2015, 46, 1673-1680.	2.0	31
7	Chronic arterial hypertension impedes glioma growth: a multiparametric MRI study in the rat. Hypertension Research, 2015, 38, 723-732.	2.7	6
8	Biochemical Characterization of a Caspase-3 Far-red Fluorescent Probe for Non-invasive Optical Imaging of Neuronal Apoptosis. Journal of Molecular Neuroscience, 2014, 54, 451-462.	2.3	5
9	Lack of secondary pathology in the thalamus after focal cerebral ischemia in nonhuman primates. Experimental Neurology, 2013, 248, 224-227.	4.1	9
10	Angiopoietin-2 is Vasoprotective in the Acute Phase of Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 389-395.	4.3	12
11	Brain Ischemic Injury in Rodents: The Protective Effect of EPO. Methods in Molecular Biology, 2013, 982, 79-101.	0.9	3
12	Maternal hypertension during pregnancy modifies the response of the immature brain to hypoxiaâ€“ischemia: Sequential MRI and behavioral investigations. Experimental Neurology, 2012, 233, 264-272.	4.1	13
13	PACAP and a novel stable analog protect rat brain from ischemia: Insight into the mechanisms of action. Peptides, 2011, 32, 1207-1216.	2.4	58
14	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. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 504-513.	4.3	38
15	Diffusion Tensor MRI Reveals Chronic Alterations in White Matter Despite the Absence of a Visible Ischemic Lesion on Conventional MRI. Stroke, 2011, 42, 1412-1419.	2.0	23
16	Permanent or Transient Chronic Ischemic Stroke in the Non-Human Primate: Behavioral, Neuroimaging, Histological, and Immunohistochemical Investigations. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 273-285.	4.3	77
17	Combined Therapeutic Strategy Using Erythropoietin and Mesenchymal Stem Cells Potentiates Neurogenesis after Transient Focal Cerebral Ischemia in Rats. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1552-1563.	4.3	63
18	Intraluminal Thread Model of Focal Stroke in the Non-Human Primate. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 786-796.	4.3	44

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19	Adrenomedullin protects neurons against oxygen glucose deprivation stress in an autocrine and paracrine manner. Journal of Neurochemistry, 2008, 106, 1388-1403.	3.9	27
20	Effects of urotensin-II on cerebral blood flow and ischemia in anesthetized rats. Experimental Neurology, 2008, 210, 577-584.	4.1	11
21	Effects of Magnesium Treatment in a Model of Internal Capsule Lesion in Spontaneously Hypertensive Rats. Stroke, 2008, 39, 448-454.	2.0	45
22	Spontaneously Hypertensive Rats Are Highly Vulnerable to AMPA-Induced Brain Lesions. Stroke, 2007, 38, 3007-3015.	2.0	24
23	Anti-NR1 N-terminal-domain vaccination unmasks the crucial action of tPA on NMDA-receptor-mediated toxicity and spatial memory. Journal of Cell Science, 2007, 120, 578-585.	2.0	66
24	Cerebrovascular Effects of Sodium Nitroprusside in the Anaesthetized Baboon: A Positron Emission Tomographic Study. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 535-544.	4.3	12
25	Corticotropin-releasing factor: effect on cerebral blood flow in physiologic and ischaemic conditions. Experimental Brain Research, 2005, 165, 375-382.	1.5	15
26	Tissue-Type Plasminogen Activator Crosses the Intact Blood-Brain Barrier by Low-Density Lipoprotein Receptorâ€“Related Protein-Mediated Transcytosis. Circulation, 2005, 111, 2241-2249.	1.6	166
27	Oxygen Glucose Deprivation Switches the Transport of tPA Across the Bloodâ€“Brain Barrier From an LRP-Dependent to an Increased LRP-Independent Process. Stroke, 2005, 36, 1059-1064.	2.0	110
28	Equivocal roles of tissue-type plasminogen activator in stroke-induced injury. Trends in Neurosciences, 2004, 27, 155-160.	8.6	97
29	Role of P2X₇Receptors in Ischemic and Excitotoxic Brain InjuryIn Vivo. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 381-384.	4.3	109
30	No Role for Interleukin-18 in Acute Murine Stroke-Induced Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 531-535.	4.3	47
31	ANATOMY AND PHYSIOLOGY OF CEREBRAL AND SPINAL CORD CIRCULATION. , 2003, , 540-549.		0
32	Role of P2X7 Receptors in Ischemic and Excitotoxic Brain Injury In Vivo. Journal of Cerebral Blood Flow and Metabolism, 2003, , 381-384.	4.3	45
33	Selective Blockade of Endothelin-B Receptors Exacerbates Ischemic Brain Damage in the Rat. Stroke, 2002, 33, 3019-3025.	2.0	49
34	Interleukin-1 Influences Ischemic Brain Damage in the Mouse Independently of the Interleukin-1 Type I Receptor. Journal of Neuroscience, 2002, 22, 38-43.	3.6	128
35	Matching Gene Expression with Hypometabolism after Cerebral Ischemia in the Nonhuman Primate. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1165-1169.	4.3	7
36	Matching Gene Expression With Hypometabolism After Cerebral Ischemia in the Nonhuman Primate. Journal of Cerebral Blood Flow and Metabolism, 2002, , 1165-1169.	4.3	2

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37	The ischaemic penumbra. Current Opinion in Neurology, 2001, 14, 83-88.	3.6	51
38	Potential mechanisms of interleukin-1 involvement in cerebral ischaemia. Journal of Neuroimmunology, 1999, 100, 203-215.	2.3	217
39	Endothelin-B Receptors in Cerebral Resistance Arterioles and their Functional Significance after Focal Cerebral Ischemia in Cats. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 1157-1165.	4.3	35
40	Progressive impairment of brain oxidative metabolism reversed by reperfusion following middle cerebral artery occlusion in anaesthetized baboons. Brain Research, 1997, 767, 17-25.	2.2	55
41	Early Reperfusion in the Anesthetized Baboon Reduces Brain Damage Following Middle Cerebral Artery Occlusion. Stroke, 1997, 28, 632-638.	2.0	82
42	Effects of indomethacin on cerebral blood flow and oxygen metabolism: a positron emission tomographic investigation in the anaesthetized baboon. Neuroscience Letters, 1996, 220, 137-141.	2.1	31
43	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. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 1176-1188.	4.3	89
44	Sequential Studies of Severely Hypometabolic Tissue Volumes After Permanent Middle Cerebral Artery Occlusion. Stroke, 1995, 26, 2112-2119.	2.0	102