Joseph C Lamanna

List of Publications by Year
in descending order

243 papers	10,664 citations	20817 60 h-index	40979 93 g-index
256 all docs	256 docs citations	256 times ranked	9069 citing authors

#	Article	IF	Citations
1	Hypoxic Preconditioning Averts Sporadic Alzheimer's Disease-Like Phenotype in Rats: A Focus on Mitochondria. Antioxidants and Redox Signaling, 2022, 37, 739-757.	5.4	6
2	Altered Behavioral Performance in the Neuron-Specific HIF-1- and HIF-2-Deficient Mice Following Chronic Hypoxic Exposure. Advances in Experimental Medicine and Biology, 2021, 1269, 271-276.	1.6	1
3	Environmental Enrichment Improved Cognitive Performance in Mice under Normoxia and Hypoxia. Advances in Experimental Medicine and Biology, 2021, 1269, 329-333.	1.6	3
4	Chronic Ketosis Modulates HIF1Î±-Mediated Inflammatory Response in Rat Brain. Advances in Experimental Medicine and Biology, 2021, 1269, 3-7.	1.6	2
5	Effect of 3-Day and 21-Day Hypoxic Preconditioning on Recovery Following Cerebral Ischemia in Rats. Advances in Experimental Medicine and Biology, 2021, 1269, 317-322.	1.6	1
6	Neurovascular and cortical responses to hyperoxia: enhanced cognition and electroencephalographic activity despite reduced perfusion. Journal of Physiology, 2020, 598, 3941-3956.	2.9	13
7	Intrinsic Optical Properties of Brain Slices: Useful Indices of Electrophysiology and Metabolism. , 2020, , 47-63.		1
8	Increased cerebral vascularization and decreased water exchange across the blood-brain barrier in aquaporin-4 knockout mice. PLoS ONE, 2019, 14, e0218415.	2.5	25
9	Functionalized Phenylbenzamides Inhibit Aquaporin-4 Reducing Cerebral Edema and Improving Outcome in Two Models of CNS Injury. Neuroscience, 2019, 404, 484-498.	2.3	38
10	Post-resuscitation Arterial Blood Pressure on Survival and Change of Capillary Density Following Cardiac Arrest and Resuscitation in Rats. Advances in Experimental Medicine and Biology, 2018, 1072, 77-82.	1.6	1
11	Cerebral Angioplasticity: The Anatomical Contribution to Ensuring Appropriate Oxygen Transport to Brain. Advances in Experimental Medicine and Biology, 2018, 1072, 3-6.	1.6	5
12	Impact of Aging on Metabolic Changes in the Ketotic Rat Brain: Glucose, Oxidative and 4-HNE Metabolism. Advances in Experimental Medicine and Biology, 2018, 1072, 21-25.	1.6	7
13	Brain Tissue PO2 Measurement During Normoxia and Hypoxia Using Two-Photon Phosphorescence Lifetime Microscopy. Advances in Experimental Medicine and Biology, 2017, 977, 149-153.	1.6	8
14	Diet-Induced Ketosis Protects Against Focal Cerebral Ischemia in Mouse. Advances in Experimental Medicine and Biology, 2017, 977, 205-213.	1.6	18
15	Gender differences in hypoxic acclimatization in cyclooxygenase-2-deficient mice. Physiological Reports, 2017, 5, e13148.	1.7	6
16	Environmental Enrichment Induces Increased Cerebral Capillary Density and Improved Cognitive Function in Mice. Advances in Experimental Medicine and Biology, 2017, 977, 175-181.	1.6	29
17	Protective Effect of Dl-3-n-Butylphthalide on Recovery from Cardiac Arrest and Resuscitation in Rats. Advances in Experimental Medicine and Biology, 2016, 923, 31-36.	1.6	4
18	Aging Effect on Post-recovery Hypofusion and Mortality Following Cardiac Arrest and Resuscitation in Rats. Advances in Experimental Medicine and Biology, 2016, 876, 265-270.	1.6	2

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19	Altered Behavioral Performance in the Cellâ€specific HIFâ€1Î± and HIFâ€2Î± Deficient Mice. FASEB Journal, 2015, 29, 682.4.	0.5	0
20	HIF-1Î±/COX-2 expression and mouse brain capillary remodeling during prolonged moderate hypoxia and subsequent re-oxygenation. Brain Research, 2014, 1569, 41-47.	2.2	21
21	Defining the Role of HIF and Its Downstream Mediators in Hypoxic-Induced Cerebral Angiogenesis. Methods in Molecular Biology, 2014, 1135, 251-260.	0.9	2
22	Hypoxia-Induced Angiogenesis and Capillary Density Determination. Methods in Molecular Biology, 2014, 1135, 69-80.	0.9	10
23	Short-Term Hypoxic Preconditioning Improved Survival Following Cardiac Arrest and Resuscitation in Rats. Advances in Experimental Medicine and Biology, 2014, 812, 309-315.	1.6	9
24	Contribution of Brain Glucose and Ketone Bodies to Oxidative Metabolism. Advances in Experimental Medicine and Biology, 2013, 765, 365-370.	1.6	17
25	Ketosis Proportionately Spares Glucose Utilization in Brain. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1307-1311.	4.3	87
26	Early Life Hypoxic or Hypoxic/Hypercapnic Stress Alters Acute Ventilatory Sensitivity in Adult Mice. Advances in Experimental Medicine and Biology, 2013, 765, 351-355.	1.6	0
27	735. Critical Care Medicine, 2013, 41, A182.	0.9	0
28	Changes in Gastric Mucosa, Submucosa, and Muscularis IC pH May Herald Irreversible Tissue Injury. Advances in Experimental Medicine and Biology, 2013, 765, 59-65.	1.6	2
29	Kidney EPO Expression During Chronic Hypoxia in Aged Mice. Advances in Experimental Medicine and Biology, 2013, 765, 9-14.	1.6	14
30	Increased HIF-1Î± and HIF-2Î± Accumulation, but Decreased Microvascular Density, in Chronic Hyperoxia and Hypercapnia in the Mouse Cerebral Cortex. Advances in Experimental Medicine and Biology, 2013, 789, 29-35.	1.6	9
31	Mitochondrial Abnormalities in a Streptozotocin-Induced Rat Model of Sporadic Alzheimer's Disease. Current Alzheimer Research, 2013, 10, 406-419.	1.4	106
32	Ventilatory pattern variability predicts longâ€term survival following cardiac arrest and resuscitation in rats. FASEB Journal, 2013, 27, 691.15.	0.5	0
33	Improvement of neurological recovery and stimulation of neural progenitor cell proliferation by intrathecal administration of Sonic hedgehog. Journal of Neurosurgery, 2012, 116, 1114-1120.	1.6	56
34	Ads against chimp research criticized. Nature, 2012, 483, 275-275.	27.8	1
35	Decreased VEGF expression and microvascular density, but increased HIF-1 and 2Î± accumulation and EPO expression in chronic moderate hyperoxia in the mouse brain. Brain Research, 2012, 1471, 46-55.	2.2	57
36	Safety evaluation of a recombinant plasmin derivative lacking kringles 2-5 and rt-PA in a rat model of transient ischemic stroke. Experimental & Translational Stroke Medicine, 2012, 4, 10.	3.2	8

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37	Neuroprotective Properties of Ketone Bodies. Advances in Experimental Medicine and Biology, 2012, 737, 97-102.	1.6	7
38	Angioplasticity and Cerebrovascular Remodeling. Advances in Experimental Medicine and Biology, 2012, 737, 13-17.	1.6	12
39	Increased ketone body flux into GABA in ketotic rat brain. FASEB Journal, 2012, 26, lb315.	0.5	0
40	Hypoxia-induced angiogenesis is delayed in aging mouse brain. Brain Research, 2011, 1389, 50-60.	2.2	64
41	Intra-arterial administration of recombinant tissue-type plasminogen activator (rt-PA) causes more intracranial bleeding than does intravenous rt-PA in a transient rat middle cerebral artery occlusion model. Experimental & Translational Stroke Medicine, 2011, 3, 10.	3.2	18
42	Regional Brain Blood Flow in Mouse: Quantitative Measurement Using a Single-Pass Radio-Tracer Method and a Mathematical Algorithm. Advances in Experimental Medicine and Biology, 2011, 701, 255-260.	1.6	5
43	A Heat-Shock Protein Co-Inducer Treatment Improves Behavioral Performance in Rats Exposed to Hypoxia. Advances in Experimental Medicine and Biology, 2011, 701, 313-318.	1.6	11
44	Chronic Intermittent Hypoxia-Induced Augmented Cardiorespiratory Outflow Mediated by Vasopressin-V1A Receptor Signaling in the Medulla. Advances in Experimental Medicine and Biology, 2011, 701, 319-325.	1.6	7
45	The Western Reserve, Edward Morley, and Oxygen. Advances in Experimental Medicine and Biology, 2011, 701, 3-8.	1.6	0
46	Hypoxiaâ€”implications for pharmaceutical developments. Sleep and Breathing, 2010, 14, 291-298.	1.7	25
47	Decreased Brainstem Function Following Cardiac Arrest and Resuscitation in Aged Rat. Brain Research, 2010, 1328, 181-189.	2.2	29
48	Hypoxia-inducible factor-1 (HIF-1)-independent microvascular angiogenesis in the aged rat brain. Brain Research, 2010, 1366, 101-109.	2.2	50
49	In the hypoxic central nervous system, endothelial cell proliferation is followed by astrocyte activation, proliferation, and increased expression of the Î±6Î²4 integrin and dystroglycan. Glia, 2010, 58, 1157-1167.	4.9	62
50	Increased vasopressin transmission from the paraventricular nucleus to the rostral medulla augments cardiorespiratory outflow in chronic intermittent hypoxia-conditioned rats. Journal of Physiology, 2010, 588, 725-740.	2.9	71
51	O2 regulates stem cells through Wnt/Î²-catenin signalling. Nature Cell Biology, 2010, 12, 1007-1013.	10.3	413
52	Distribution of NBCn2 (SLC4A10) splice variants in mouse brain. Neuroscience, 2010, 169, 951-964.	2.3	18
53	Diet-Induced Ketosis Improves Cognitive Performance in Aged Rats. Advances in Experimental Medicine and Biology, 2010, 662, 71-75.	1.6	44
54	The â€œEyesâ€•Have It. Journal of Alzheimer's Disease, 2009, 18, 365-366.	2.6	0

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55	Brain Metabolic Adaptations to Hypoxia. , 2009, , 15-30.		1
56	Ketones Suppress Brain Glucose Consumption. Advances in Experimental Medicine and Biology, 2009, 645, 301-306.	1.6	87
57	Increased prolyl 4-hydroxylase expression and differential regulation of hypoxia-inducible factors in the aged rat brain. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R158-R165.	1.8	41
58	Kruppel-like Factor 2 Inhibits Hypoxia-inducible Factor 1Î± Expression and Function in the Endothelium. Journal of Biological Chemistry, 2009, 284, 20522-20530.	3.4	76
59	The loss of hypoxic ventilatory responses following resuscitation after cardiac arrest in rats is associated with failure of long-term survival. Brain Research, 2009, 1258, 59-64.	2.2	12
60	The effect of acetyl-L-carnitine and R-Î±-lipoic acid treatment in ApoE4 mouse as a model of human Alzheimer's disease. Journal of the Neurological Sciences, 2009, 283, 199-206.	0.6	85
61	Brainstem Sensitivity to Hypoxia and Ischemia. , 2009, , 213-223.		2
62	Impaired Behavioral Performance after Prolonged Moderate Hypobaric Hypoxic Exposure in Mice. FASEB Journal, 2009, 23, 616.16.	0.5	0
63	Neuroprotection in Diet-Induced Ketotic Rat Brain after Focal Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1907-1916.	4.3	170
64	Increased expression of fibronectin and the Î±5Î²1 integrin in angiogenic cerebral blood vessels of mice subject to hypobaric hypoxia. Molecular and Cellular Neurosciences, 2008, 38, 43-52.	2.2	100
65	Effect of Alternate Energy Substrates on Mammalian Brain Metabolism During Ischemic Events. Advances in Experimental Medicine and Biology, 2008, 614, 361-370.	1.6	6
66	Hypobaric Hypoxia Reduces GLUT2 Transporter Content in Rat Jejunum more than in Ileum. , 2008, 614, 345-352.		1
67	Cerebral Blood Flow Adaptation to Chronic Hypoxia. Advances in Experimental Medicine and Biology, 2008, 614, 371-377.	1.6	9
68	Mitochondrial Dysfunction in Aging Rat Brain Following Transient Global Ischemia. Advances in Experimental Medicine and Biology, 2008, 614, 379-386.	1.6	22
69	Diet-induced ketosis increases capillary density without altered blood flow in rat brain. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1607-E1615.	3.5	56
70	Iron homeostasis is maintained in the brain, but not the liver, following mild hypoxia. Redox Report, 2007, 12, 257-266.	4.5	8
71	In situ measurements of brain tissue hemoglobin saturation and blood volume by reflectance spectrophotometry in the visible spectrum. Journal of Biomedical Optics, 2007, 12, 062103.	2.6	5
72	Cerebral angiogenic factors, angiogenesis, and physiological response to chronic hypoxia differ among four commonly used mouse strains. Journal of Applied Physiology, 2007, 102, 1927-1935.	2.5	49

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73	Brain Tissue Oxygen Concentration Measurements. Antioxidants and Redox Signaling, 2007, 9, 1207-1220.	5.4	118
74	Physiologic Angiodynamics in the Brain. Antioxidants and Redox Signaling, 2007, 9, 1363-1372.	5.4	121
75	Harnessing hypoxic adaptation to prevent, treat, and repair stroke. Journal of Molecular Medicine, 2007, 85, 1331-1338.	3.9	78
76	Statistical Analysis of Metabolic Pathways of Brain Metabolism at Steady State. Annals of Biomedical Engineering, 2007, 35, 886-902.	2.5	27
77	7.2 Genetics and Gene Expression of Glycolysis. , 2007, , 771-778.		4
78	Increased Sensitivity to Transient Global Ischemia in Aging Rat Brain. , 2007, 599, 199-206.		18
79	Hypoxia in the central nervous system. Essays in Biochemistry, 2007, 43, 139-152.	4.7	27
80	Mitochondrial dysfunction following cardiac arrest and resuscitation in rat brain. FASEB Journal, 2007, 21, .	0.5	0
81	Hypoxiaâ€induced angiogenesis is suppressed in COXâ€2 deficient mouse brain cortex. FASEB Journal, 2007, 21, A138.	0.5	0
82	Chronic hypoxia and the cerebral circulation. Journal of Applied Physiology, 2006, 100, 725-730.	2.5	95
83	Adenosine treatment delays postischemic hippocampal CA1 loss after cardiac arrest and resuscitation in rats. Brain Research, 2006, 1071, 208-217.	2.2	29
84	Effect of chronic continuous or intermittent hypoxia and reoxygenation on cerebral capillary density and myelination. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R1105-R1114.	1.8	115
85	Is Cycloxygenase-2 (COX-2) a Major Component of the Mechanism Responsible for Microvascular Remodeling in the Brain?. , 2006, 578, 297-303.		6
86	THREE-DAY HYPOBARIC HYPOXIA REDUCES JEJUNAL AND ILEAL GLUT2 IN AGED RATS.. Critical Care Medicine, 2006, 34, A30.	0.9	0
87	Intracellular pH in Gastric and Rectal Tissue Post Cardiac Arrest. , 2006, 578, 11-16.		0
88	Absence of cellular stress in brain after hypoxia induced by arousal from hibernation in Arctic ground squirrels. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R1297-R1306.	1.8	114
89	Hypoxia-inducible Factor Prolyl 4-Hydroxylase Inhibition. Journal of Biological Chemistry, 2005, 280, 41732-41743.	3.4	265
90	MAPKs are differentially modulated in arctic ground squirrels during hibernation. Journal of Neuroscience Research, 2005, 80, 862-868.	2.9	35

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91	Gut Dysoxia. , 2005, 566, 151-157.		2
92	Computational Study on Use of Single-Point Analysis Method for Quantitating Local Cerebral Blood Flow in Mice. , 2005, 566, 99-104.		3
93	Adaptation to Chronic Hypoxia During Diet-Induced Ketosis. , 2005, 566, 51-57.		18
94	Prosurvival and Prodeath Effects of Hypoxia-inducible Factor-1Î± Stabilization in a Murine Hippocampal Cell Line. Journal of Biological Chemistry, 2005, 280, 3996-4003.	3.4	98
95	Reduced infarct volumes following focal ischemia in diet induced ketotic rat brain. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S307-S307.	4.3	0
96	Hypoxic Regulation of Angiopoietin-2 Expression in Endothelial Cells. Journal of Biological Chemistry, 2004, 279, 12171-12180.	3.4	171
97	The Third Signal in T Cell-Mediated Autoimmune Disease?. Journal of Immunology, 2004, 173, 92-99.	0.8	42
98	Structural and functional adaptation to hypoxia in the rat brain. Journal of Experimental Biology, 2004, 207, 3163-3169.	1.7	176
99	Hypoxia tolerance in mammalian heterotherms. Journal of Experimental Biology, 2004, 207, 3155-3162.	1.7	94
100	Comparison of Glucose Influx and Blood Flow in Retina and Brain of Diabetic Rats. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 449-457.	4.3	39
101	Renormalization of regional brain blood flow during prolonged mild hypoxic exposure in rats. Brain Research, 2004, 1027, 188-191.	2.2	24
102	The neurovascular unit and its growth factors: coordinated response in the vascular and nervous systems. Neurological Research, 2004, 26, 870-883.	1.3	116
103	Mitochondria and vascular lesions as a central target for the development of Alzheimer's disease and Alzheimer disease-like pathology in transgenic mice. Neurological Research, 2003, 25, 665-674.	1.3	93
104	Single-Pass Dual-Label Indicator Method: Blood-to-Brain Transport of Glucose and Short-Chain Monocarboxylic Acids. , 2003, 89, 265-276.		1
105	Differential Expression of Intracellular Acidosis in Rat Brainstem Regions in Response to Hypercapnic Ventilation. Advances in Experimental Medicine and Biology, 2003, 536, 407-413.	1.6	3
106	The Redox State of Cytochrome Oxidase in Brain in Vivo: An Historical Perspective. Advances in Experimental Medicine and Biology, 2003, 530, 535-546.	1.6	2
107	A Quantitative Study of Oxygen as a Metabolic Regulator. Advances in Experimental Medicine and Biology, 2003, 530, 547-554.	1.6	1
108	Expression of Angiopoietin-1 and -2 in the Rat Brain During Chronic Hypoxia and De-Adaptation. Advances in Experimental Medicine and Biology, 2003, 510, 331-335.	1.6	3

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109	Hypoxia-Inducible Factor-1Î± Accumulation in the Rat Brain in Response to Hypoxia and Ischemia is Attenuated During Aging. Advances in Experimental Medicine and Biology, 2003, 510, 337-341.	1.6	39
110	Oxygen and Oxidative Stress Modulate the Expression of Uncoupling Protein-5 in Vitro and in Vivo. Advances in Experimental Medicine and Biology, 2003, 540, 103-107.	1.6	11
111	SUSTAINED SPINAL CORD COMPRESSION. Journal of Bone and Joint Surgery - Series A, 2003, 85, 86-94.	3.0	178
112	SUSTAINED SPINAL CORD COMPRESSION. Journal of Bone and Joint Surgery - Series A, 2003, 85, 95-101.	3.0	30
113	Activation of Hypoxia-Inducible Factor-1 in the Rat Cerebral Cortex after Transient Global Ischemia: Potential Role of Insulin-Like Growth Factor-1. Journal of Neuroscience, 2002, 22, 8922-8931.	3.6	222
114	Role of nitric oxide in the regulation of HIF-1Î± expression during hypoxia. American Journal of Physiology - Cell Physiology, 2002, 283, C178-C186.	4.6	124
115	Angiopoietin-2 and rat brain capillary remodeling during adaptation and deadaptation to prolonged mild hypoxia. Journal of Applied Physiology, 2002, 93, 1131-1139.	2.5	120
116	Inhibitors of mitochondrial complex I attenuate the accumulation of hypoxia-inducible factor-1 during hypoxia in Hep3B cells. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2002, 132, 107-109.	1.8	27
117	Atherosclerotic Lesions and Mitochondria DNA Deletions in Brain Microvessels as a Central Target for the Development of Human AD and ADâ€Like Pathology in Aged Transgenic Mice. Annals of the New York Academy of Sciences, 2002, 977, 45-64.	3.8	88
118	The Role of Oxidative Stress in the Pathophysiology of Cerebrovascular Lesions in Alzheimer's Disease. Brain Pathology, 2002, 12, 21-35.	4.1	146
119	Labeling of cerebral amyloid beta deposits in vivo using intranasal basic fibroblast growth factor and serum amyloid P component in mice. Journal of Nuclear Medicine, 2002, 43, 1044-51.	5.0	30
120	Atherosclerotic Lesions Are Associated with Increased Immunoreactivity for Inducible Nitric Oxide Synthase and Endothelin-1 in Thoracic Aortic Intimal Cells of Hyperlipidemic Watanabe Rabbits. Experimental and Molecular Pathology, 2001, 71, 40-54.	2.1	33
121	Acute and Delayed Effects of Transient Global Cerebral Ischemia on Rat Brain Capillary Endothelial Cells in Vivo. , 2001, , 319-325.		1
122	Perfusion-Limited Recovery of Evoked Potential Function After Spinal Cord Injury. Spine, 2000, 25, 1218-1226.	2.0	25
123	Decreased constitutive nitric oxide synthase, but increased inducible nitric oxide synthase and endothelin-1 immunoreactivity in aortic endothelial cells of Donryu rats on a cholesterol-enriched diet. The Anatomical Record, 2000, 260, 16-25.	1.8	22
124	Prospects for Noninvasive Imaging of Brain Amyloid beta in Alzheimer's Disease. Annals of the New York Academy of Sciences, 2000, 903, 123-128.	3.8	20
125	Expression of hypoxia-inducible factor-1Î± in the brain of rats during chronic hypoxia. Journal of Applied Physiology, 2000, 89, 1937-1942.	2.5	241
126	The Role of Mitochondria in the Regulation of Hypoxia-inducible Factor 1 Expression during Hypoxia. Journal of Biological Chemistry, 2000, 275, 35863-35867.	3.4	184

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127	Rapid and Slow Swelling During Hypoxia in the CA1 Region of Rat Hippocampal Slices. Journal of Neurophysiology, 1999, 82, 320-329.	1.8	29
128	Prolonged hypoxia increases vascular endothelial growth factor mRNA and protein in adult mouse brain. Journal of Applied Physiology, 1999, 86, 260-264.	2.5	80
129	Cerebral metabolic profile, selective neuron loss, and survival of acute and chronic hyperglycemic rats following cardiac arrest and resuscitation. Brain Research, 1999, 821, 467-479.	2.2	91
130	Methyl isobutyl amiloride alters regional brain reperfusion after resuscitation from cardiac arrest in rats. Brain Research, 1999, 831, 64-71.	2.2	7
131	Vascular endothelial growth factor upregulation in transient global ischemia induced by cardiac arrest and resuscitation in rat brain. Molecular Brain Research, 1999, 74, 83-90.	2.3	61
132	Effects of oxygen deprivation on parapyramidal neurons of the ventrolateral medulla in the rat. Respiration Physiology, 1999, 115, 11-22.	2.7	1
133	Endothelial Activation Following Prolonged Hypobaric Hypoxia. Microvascular Research, 1999, 57, 75-85.	2.5	39
134	Identification and expression of the Na+/H+ exchanger in mammalian cerebrovascular and choroidal tissues: characterization by amiloride-sensitive []MIA binding and RTâ€“PCR analysis. Molecular Brain Research, 1998, 58, 178-187.	2.3	43
135	Vascular endothelial growth factor in Alzheimer's disease and experimental cerebral ischemia. Molecular Brain Research, 1998, 62, 101-105.	2.3	174
136	Hypoxia-Induced Brain Angiogenesis. Advances in Experimental Medicine and Biology, 1998, 454, 287-293.	1.6	32
137	Early Time-Dependent Decompression for Spinal Cord Injury: Vascular Mechanisms of Recovery. Journal of Neurotrauma, 1997, 14, 951-962.	3.4	160
138	Viscoelastic Relaxation and Regional Blood Flow Response to Spinal Cord Compression and Decompression. Spine, 1997, 22, 1285-1291.	2.0	74
139	The paraventricular nucleus of the hypothalamus influences respiratory timing and activity in the rat. Neuroscience Letters, 1997, 232, 63-66.	2.1	64
140	Nutrient Consumption and Metabolic Perturbations. Neurosurgery Clinics of North America, 1997, 8, 145-164.	1.7	10
141	Ketogenic Diet and the Brain. Annals of the New York Academy of Sciences, 1997, 835, 218-224.	3.8	10
142	Ultrastructural concomitants of hypoxia-induced angiogenesis. Acta Neuropathologica, 1997, 93, 579-584.	7.7	29
143	Adequacy of Cerebral Vascular Remodeling Following Three Weeks of Hypobaric Hypoxia. Advances in Experimental Medicine and Biology, 1997, 411, 369-376.	1.6	23
144	Decreased energy metabolism in brain stem during central respiratory depression in response to hypoxia. Journal of Applied Physiology, 1996, 81, 1772-1777.	2.5	34

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145	Decreased rat brain cytochrome oxidase activity after prolonged hypoxia. Brain Research, 1996, 720, 1-6.	2.2	35
146	The amiloride-sensitive Na+/H+ exchange antiporter and control of intracellular pH in hippocampal brain slices. Brain Research, 1996, 731, 108-113.	2.2	22
147	Time-course and reversibility of the hypoxia-induced alterations in cerebral vascularity and cerebral capillary glucose transporter density. Brain Research, 1996, 737, 335-338.	2.2	86
148	Diet-Induced Ketosis Does Not Cause Cerebral Acidosis. Epilepsia, 1996, 37, 258-261.	5.1	101
149	Hypoxia/Ischemia and the pH Paradox. Advances in Experimental Medicine and Biology, 1996, 388, 283-292.	1.6	23
150	The amiloride-sensitive Na+/H+ exchange antiporter and control of intracellular pH in hippocampal brain slices. Brain Research, 1996, 731, 108-113.	2.2	0
151	Hypoxiaâ€induced brain angiogenesis in the adult rat.. Journal of Physiology, 1995, 485, 525-530.	2.9	86
152	Local Cerebral Glucose Utilization and Cytoskeletal Proteolysis as Indices of Evolving Focal Ischemic Injury in Core and Penumbra. Journal of Cerebral Blood Flow and Metabolism, 1995, 15, 398-408.	4.3	64
153	Rapid recovery of rat brain intracellular pH after cardiac arrest and resuscitation. Brain Research, 1995, 687, 175-181.	2.2	28
154	Light transmittance as an index of cell volume in hippocampal slices: optical differences of interfaced and submerged positions. Brain Research, 1995, 693, 179-186.	2.2	53
155	Brain glucose metabolism in hypobaric hypoxia. Journal of Applied Physiology, 1995, 79, 136-140.	2.5	58
156	Methyl isobutyl amiloride delays normalization of brain intracellular pH after cardiac arrest in rats. Critical Care Medicine, 1995, 23, 1106-1111.	0.9	22
157	Hypoxia increases glucose transport at blood-brain barrier in rats. Journal of Applied Physiology, 1994, 77, 896-901.	2.5	94
158	Quantitative Multicomponent Spectral Analysis Using Neural Networks. Advances in Experimental Medicine and Biology, 1994, 345, 651-658.	1.6	0
159	Early reversal of acidosis and metabolic recovery following ischemia. Journal of Neurosurgery, 1994, 81, 567-573.	1.6	23
160	Architectural alterations in rat cerebral microvessels after hypobaric hypoxia. Brain Research, 1994, 660, 73-80.	2.2	69
161	Changes in energy metabolites, cGMP and intracellular pH during cortical spreading depression. Brain Research, 1994, 641, 176-180.	2.2	40
162	Increased Basic Fibroblastic Growth Factor mRNA in the Brains of Rats Exposed to Hypobaric Hypoxia. Advances in Experimental Medicine and Biology, 1994, 361, 497-502.	1.6	13

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163	Increased Capillary Segment Length in Cerebral Cortical Microvessels of Rats Exposed to 3 Weeks of Hypobaric Hypoxia. Advances in Experimental Medicine and Biology, 1994, 345, 627-632.	1.6	6
164	Regional blood-brain lactate influx. Brain Research, 1993, 614, 164-170.	2.2	42
165	DELAYED NORMALIZATION OF BRAIN INTRACELLULAR pH BY METHYL ISOBUTYL AMILORIDE AFTER CARDIAC ARREST IN RATS. Critical Care Medicine, 1993, 21, S205.	0.9	2
166	Rat Brain Adaptation to Chronic Hypobaric Hypoxia. Advances in Experimental Medicine and Biology, 1992, 317, 107-114.	1.6	12
167	Intracellular pH in rat brain in vivo and in brain slices. Canadian Journal of Physiology and Pharmacology, 1992, 70, S269-S277.	1.4	34
168	Brain adaptation to chronic hypobaric hypoxia in rats. Journal of Applied Physiology, 1992, 72, 2238-2243.	2.5	182
169	Hyperglycemia and Blood-Brain Barrier Glucose Transport. Journal of Cerebral Blood Flow and Metabolism, 1992, 12, 887-899.	4.3	65
170	Distribution of intracellular pH in the rat brain cortex after global ischemia as measured by color film histophotometry of neutral red. Brain Research, 1992, 573, 1-7.	2.2	34
171	Protein kinase C activity in permanent focal cerebral ischemia. Molecular and Chemical Neuropathology, 1992, 16, 85-93.	1.0	9
172	Quantitative measurement of two-component pH-sensitive colorimetric spectra using multilayer neural networks. Biological Cybernetics, 1992, 67, 303-308.	1.3	11
173	Metabolic Correlates of Focal Ischemia. , 1992, , 9-39.		1
174	Regional Blood to Brain Transport of Lactate. , 1992, , 293-298.		1
175	Regional changes in intracellular pH determined by neutral red histophotometry and high energy metabolites during cardiac arrest and following resuscitation in the rat. Metabolic Brain Disease, 1991, 6, 145-155.	2.9	11
176	Rapid metabolic failure in spontaneously hypertensive rats after middle cerebral artery ligation. Metabolic Brain Disease, 1991, 6, 57-64.	2.9	3
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