

Raymond C Koehler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5215387/publications.pdf>

Version: 2024-02-01

156
papers

6,977
citations

53794

45
h-index

66911

78
g-index

168
all docs

168
docs citations

168
times ranked

6356
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoacoustic assessment of the fetal brain and placenta as a method of non-invasive antepartum and intrapartum monitoring. <i>Experimental Neurology</i> , 2022, 347, 113898.	4.1	7
2	The Stroke Preclinical Assessment Network: Rationale, Design, Feasibility, and Stage 1 Results. <i>Stroke</i> , 2022, 53, 1802-1812.	2.0	22
3	Neuroprotection in the Striatum of Hypoxic-Ischemic Piglets by Simultaneous Inhibition of Dopamine D1 and Adenosine A_{2A} Receptors. <i>Neonatology</i> , 2022, 119, 354-360.	2.0	1
4	Interleukin-10 deficiency aggravates traumatic brain injury in male but not female mice. <i>Experimental Neurology</i> , 2022, 355, 114125.	4.1	1
5	Amide Proton Transfer-Weighted Magnetic Resonance Imaging for Detecting Severity and Predicting Outcome after Traumatic Brain Injury in Rats. <i>Neurotrauma Reports</i> , 2022, 3, 261-275.	1.4	0
6	Combining Hypothermia and Oleuropein Subacutely Protects Subcortical White Matter in a Swine Model of Neonatal Hypoxic-Ischemic Encephalopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 182-198.	1.7	5
7	Fractional anisotropy from diffusion tensor imaging correlates with acute astrocyte and myelin swelling in neonatal swine models of excitotoxic and hypoxic-ischemic brain injury. <i>Journal of Comparative Neurology</i> , 2021, 529, 2750-2770.	1.6	10
8	Quantitative validation of MRI mapping of cerebral venous oxygenation with direct blood sampling: A graded study in piglets. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1445-1453.	3.0	5
9	Targeting the mitochondrial permeability transition pore for neuroprotection in a piglet model of neonatal hypoxic-ischemic encephalopathy. <i>Journal of Neuroscience Research</i> , 2021, 99, 1550-1564.	2.9	6
10	Analysis of glucose metabolism by 18F-FDG-PET imaging and glucose transporter expression in a mouse model of intracerebral hemorrhage. <i>Scientific Reports</i> , 2021, 11, 10885.	3.3	9
11	Targeting Parthanatos in Ischemic Stroke. <i>Frontiers in Neurology</i> , 2021, 12, 662034.	2.4	28
12	Microglia-derived interleukin-10 accelerates post-intracerebral hemorrhage hematoma clearance by regulating CD36. <i>Brain, Behavior, and Immunity</i> , 2021, 94, 437-457.	4.1	54
13	Nrf2-BDNF-TrkB pathway contributes to cortical hemorrhage-induced depression, but not sex differences. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3288-3301.	4.3	15
14	Regulation of the Cerebral Circulation During Development. , 2021, 11, 1-62.		5
15	The association of bispectral index values and metrics of cerebral perfusion during cardiopulmonary bypass. <i>Journal of Clinical Anesthesia</i> , 2021, 74, 110395.	1.6	7
16	Determining Thresholds for Three Indices of Autoregulation to Identify the Lower Limit of Autoregulation During Cardiac Surgery*. <i>Critical Care Medicine</i> , 2021, 49, 650-660.	0.9	20
17	20-HETE Participates in Intracerebral Hemorrhage-Induced Acute Injury by Promoting Cell Ferroptosis. <i>Frontiers in Neurology</i> , 2021, 12, 763419.	2.4	14
18	Use of an end-tidal carbon dioxide-guided algorithm during cardiopulmonary resuscitation improves short-term survival in paediatric swine. <i>Resuscitation Plus</i> , 2021, 8, 100174.	1.7	3

#	ARTICLE	IF	CITATIONS
19	Transcranial photoacoustic characterization of neurovascular physiology during early-stage photothrombotic stroke in neonatal piglets in vivo. <i>Journal of Neural Engineering</i> , 2021, 18, 065001.	3.5	10
20	The use of pressure-controlled mechanical ventilation in a swine model of intraoperative pediatric cardiac arrest. <i>Paediatric Anaesthesia</i> , 2020, 30, 462-468.	1.1	3
21	Neurologic effects of short-term treatment with a soluble epoxide hydrolase inhibitor after cardiac arrest in pediatric swine. <i>BMC Neuroscience</i> , 2020, 21, 43.	1.9	0
22	Sulforaphane Protects Piglet Brains from Neonatal Hypoxic-Ischemic Injury. <i>Developmental Neuroscience</i> , 2020, 42, 124-134.	2.0	8
23	Mean Diffusivity in Striatum Correlates With Acute Neuronal Death but Not Lesser Neuronal Injury in a Pilot Study of Neonatal Piglets With Encephalopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1216-1226.	3.4	9
24	Resuscitation with macromolecular superoxide dismutase/catalase mimetic polynitroxylated PEGylated hemoglobin offers neuroprotection in guinea pigs after traumatic brain injury combined with hemorrhage shock. <i>BMC Neuroscience</i> , 2020, 21, 22.	1.9	12
25	High-sensitivity CEST mapping using a spatiotemporal correlation-enhanced method. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3342-3350.	3.0	24
26	Comparison of wavelet and correlation indices of cerebral autoregulation in a pediatric swine model of cardiac arrest. <i>Scientific Reports</i> , 2020, 10, 5926.	3.3	9
27	Therapeutic hypothermia promotes cerebral blood flow recovery and brain homeostasis after resuscitation from cardiac arrest in a rat model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1961-1973.	4.3	29
28	Association of diastolic blood pressure with survival during paediatric cardiopulmonary resuscitation. <i>Resuscitation</i> , 2019, 143, 50-56.	3.0	18
29	Administration of a 20-Hydroxyeicosatetraenoic Acid Synthesis Inhibitor Improves Outcome in a Rat Model of Pediatric Traumatic Brain Injury. <i>Developmental Neuroscience</i> , 2019, 41, 166-176.	2.0	13
30	Propentdyopents. <i>Circulation Research</i> , 2019, 124, 1686-1688.	4.5	1
31	Hypoxia-Ischemia and Hypothermia Independently and Interactively Affect Neuronal Pathology in Neonatal Piglets with Short-Term Recovery. <i>Developmental Neuroscience</i> , 2019, 41, 17-33.	2.0	26
32	Spatial T-maze identifies cognitive deficits in piglets 1 month after hypoxia-ischemia in a model of hippocampal pyramidal neuron loss and interneuron attrition. <i>Behavioural Brain Research</i> , 2019, 369, 111921.	2.2	13
33	Pathophysiological Insights into Spreading Depolarization in Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2019, 30, 569-571.	2.4	3
34	Biodistribution of Glial Progenitors in a Three Dimensional-Printed Model of the Piglet Cerebral Ventricular System. <i>Stem Cells and Development</i> , 2019, 28, 515-527.	2.1	1
35	The Effect of Asphyxia Arrest Duration on a Pediatric End-Tidal co ₂ -Guided Chest Compression Delivery Model*. <i>Pediatric Critical Care Medicine</i> , 2019, 20, e352-e361.	0.5	8
36	20-HETE synthesis inhibition promotes cerebral protection after intracerebral hemorrhage without inhibiting angiogenesis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1531-1543.	4.3	41

#	ARTICLE	IF	CITATIONS
37	Cerebral Autoregulation and Conventional and Diffusion Tensor Imaging Magnetic Resonance Imaging in Neonatal Hypoxic-Ischemic Encephalopathy. <i>Pediatric Neurology</i> , 2018, 82, 36-43.	2.1	26
38	Soluble epoxide hydrolase inhibition decreases reperfusion injury after focal cerebral ischemia. <i>Scientific Reports</i> , 2018, 8, 5279.	3.3	38
39	Abdominal near-infrared spectroscopy in a piglet model of gastrointestinal hypoxia produced by graded hypoxia or superior mesenteric artery ligation. <i>Pediatric Research</i> , 2018, 83, 1172-1181.	2.3	6
40	Comparison of Frequency- and Time-Domain Autoregulation and Vasoreactivity Indices in a Piglet Model of Hypoxia-Ischemia and Hypothermia. <i>Developmental Neuroscience</i> , 2018, 40, 547-559.	2.0	8
41	Proteasome Biology Is Compromised in White Matter After Asphyxic Cardiac Arrest in Neonatal Piglets. <i>Journal of the American Heart Association</i> , 2018, 7, e009415.	3.7	17
42	Validation of noninvasive photoacoustic measurements of sagittal sinus oxyhemoglobin saturation in hypoxic neonatal piglets. <i>Journal of Applied Physiology</i> , 2018, 125, 983-989.	2.5	34
43	Perinatal hypoxic-ischemic brain injury in large animal models: Relevance to human neonatal encephalopathy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 2092-2111.	4.3	53
44	Refinement of embolic stroke model in rats: Effect of post-embolization anesthesia duration on arterial blood pressure, cerebral edema and mortality. <i>Journal of Neuroscience Methods</i> , 2018, 307, 8-13.	2.5	4
45	The contribution of TRPV1 channel to 20-HETEâ€”Aggravated ischemic neuronal injury. <i>Prostaglandins and Other Lipid Mediators</i> , 2018, 137, 63-68.	1.9	7
46	Abstract WMP83: Bidirectional Brain-Microbiome Interaction in a Murine Thrombotic Stroke Model. <i>Stroke</i> , 2018, 49, .	2.0	0
47	Selective Brain Cooling with Transnasal Flow of Ambient Air for Pediatric Resuscitation. <i>FASEB Journal</i> , 2018, 32, 712.14.	0.5	0
48	Inhibition of Soluble Epoxide Hydrolase Protects the Brain from Permanent Middle Cerebral Artery Occlusion. <i>FASEB Journal</i> , 2018, 32, 559.4.	0.5	0
49	Upregulation of 20-HETE Synthetic Cytochrome P450 Isoforms by Oxygenâ€”Glucose Deprivation in Cortical Neurons. <i>Cellular and Molecular Neurobiology</i> , 2017, 37, 1279-1286.	3.3	18
50	Optimizing Cerebral Autoregulation May Decrease Neonatal Regional Hypoxic-Ischemic Brain Injury. <i>Developmental Neuroscience</i> , 2017, 39, 248-256.	2.0	59
51	Inhibition of soluble epoxide hydrolase augments astrocyte release of vascular endothelial growth factor and neuronal recovery after oxygenâ€”glucose deprivation. <i>Journal of Neurochemistry</i> , 2017, 140, 814-825.	3.9	23
52	Transfusion of Polynitroxylated Pegylated Hemoglobin Stabilizes Pial Arterial Dilation and Decreases Infarct Volume After Transient Middle Cerebral Artery Occlusion. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	12
53	Inhibition of tPA-induced hemorrhagic transformation involves adenosine A2b receptor activation after cerebral ischemia. <i>Neurobiology of Disease</i> , 2017, 108, 173-182.	4.4	65
54	Impaired autophagosome clearance contributes to neuronal death in a piglet model of neonatal hypoxic-ischemic encephalopathy. <i>Cell Death and Disease</i> , 2017, 8, e2919-e2919.	6.3	59

#	ARTICLE	IF	CITATIONS
55	Augmentation of poly(ADP-ribose) polymerase-dependent neuronal cell death by acidosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1982-1993.	4.3	20
56	Notice of Removal: In vivo photoacoustic quantification of brain tissue oxygenation for neonatal piglet graded ischemia model using microsphere administration. , 2017, , .		0
57	Inhibition of neuronal ferroptosis protects hemorrhagic brain. <i>JCI Insight</i> , 2017, 2, e90777.	5.0	483
58	Abstract WP293: Necroptosis Cell Death Signaling Amplifies Acute Hyperglycemic Stroke Injury. <i>Stroke</i> , 2017, 48, .	2.0	1
59	18F-FNDP for PET Imaging of Soluble Epoxide Hydrolase. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1817-1822.	5.0	19
60	Hypothermia and Rewarming Activate a Macrogial Unfolded Protein Response Independent of Hypoxic-Ischemic Brain Injury in Neonatal Piglets. <i>Developmental Neuroscience</i> , 2016, 38, 277-294.	2.0	22
61	A pilot cohort study of cerebral autoregulation and 2-year neurodevelopmental outcomes in neonates with hypoxic-ischemic encephalopathy who received therapeutic hypothermia. <i>BMC Neurology</i> , 2015, 15, 209.	1.8	67
62	Contribution of epoxyeicosatrienoic acids to the cerebral blood flow response to hypoxemia. <i>Journal of Applied Physiology</i> , 2015, 119, 1202-1209.	2.5	14
63	Simultaneous detection and separation of hyperacute intracerebral hemorrhage and cerebral ischemia using amide proton transfer MRI. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 42-50.	3.0	71
64	Rewarming from Therapeutic Hypothermia Induces Cortical Neuron Apoptosis in a Swine Model of Neonatal Hypoxic-Ischemic Encephalopathy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 781-793.	4.3	59
65	Additive Neuroprotection of a 20-HETE Inhibitor with Delayed Therapeutic Hypothermia after Hypoxia-Ischemia in Neonatal Piglets. <i>Developmental Neuroscience</i> , 2015, 37, 376-389.	2.0	42
66	A New Rabbit Model of Pediatric Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 1369-1379.	3.4	44
67	A novel atherothrombotic model of ischemic stroke induced by injection of collagen into the cerebral vasculature. <i>Journal of Neuroscience Methods</i> , 2015, 239, 65-74.	2.5	11
68	Melanopsin mediates light-dependent relaxation in blood vessels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17977-17982.	7.1	98
69	A pilot study of cerebrovascular reactivity autoregulation after pediatric cardiac arrest. <i>Resuscitation</i> , 2014, 85, 1387-1393.	3.0	56
70	Neuroinflammation and Neuroimmune Dysregulation after Acute Hypoxic-Ischemic Injury of Developing Brain. <i>Frontiers in Pediatrics</i> , 2014, 2, 144.	1.9	88
71	Abstract T P326: Additive Neuroprotection of a 20-hete Inhibitor with Delayed Therapeutic Hypothermia after Asphyxic Cardiac Arrest in Neonatal Piglets. <i>Stroke</i> , 2014, 45, .	2.0	0
72	Adenosine A _{2A} Receptor Contributes to Ischemic Brain Damage in Newborn Piglet. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1612-1620.	4.3	26

#	ARTICLE	IF	CITATIONS
73	Cerebrovascular autoregulation after rewarming from hypothermia in a neonatal swine model of asphyxic brain injury. <i>Journal of Applied Physiology</i> , 2013, 115, 1433-1442.	2.5	40
74	Cerebrovascular autoregulation and neurologic injury in neonatal hypoxicâ€“ischemic encephalopathy. <i>Pediatric Research</i> , 2013, 74, 525-535.	2.3	153
75	The Olfactory Bulb in Newborn Piglet Is a Reservoir of Neural Stem and Progenitor Cells. <i>PLoS ONE</i> , 2013, 8, e81105.	2.5	11
76	Ischemic Rescue with Hemoglobin-Based Oxygen Carriers. , 2013, , 435-453.		0
77	Relative contribution of cyclooxygenases, epoxyeicosatrienoic acids, and pH to the cerebral blood flow response to vibrissal stimulation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1075-H1085.	3.2	30
78	Noninvasive Autoregulation Monitoring in a Swine Model of Pediatric Cardiac Arrest. <i>Anesthesia and Analgesia</i> , 2012, 114, 825-836.	2.2	51
79	Transfusion of hemoglobin-based oxygen carriers in the carboxy state is beneficial during transient focal cerebral ischemia. <i>Journal of Applied Physiology</i> , 2012, 113, 1709-1717.	2.5	42
80	Boosting Oxygenation During Acute Respiratory Failure. <i>Science Translational Medicine</i> , 2012, 4, 140fs21.	12.4	0
81	Attenuation of neonatal ischemic brain damage using a 20â€“HETE synthesis inhibitor. <i>Journal of Neurochemistry</i> , 2012, 121, 168-179.	3.9	35
82	Early Antioxidant Treatment and Delayed Hypothermia After Hypoxiaâ€“Ischemia Have No Additive Neuroprotection in Newborn Pigs. <i>Anesthesia and Analgesia</i> , 2012, 115, 627-637.	2.2	10
83	Cerebral blood flow and cerebrovascular autoregulation in a swine model of pediatric cardiac arrest and hypothermia*. <i>Critical Care Medicine</i> , 2011, 39, 2337-2345.	0.9	106
84	Neuroprotective effect of acid-sensing ion channel inhibitor psalmotoxin-1 after hypoxiaâ€“ischemia in newborn piglet striatum. <i>Neurobiology of Disease</i> , 2011, 43, 446-454.	4.4	25
85	Striatal Neuroprotection from Neonatal Hypoxia-Ischemia in Piglets by Antioxidant Treatment with EUK-134 or Edaravone. <i>Developmental Neuroscience</i> , 2011, 33, 299-311.	2.0	24
86	Epoxyeicosatrienoic acid-dependent cerebral vasodilation evoked by metabotropic glutamate receptor activation in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H373-H381.	3.2	39
87	Effect of combined inhibition of neuronal nitric oxide synthase, cyclooxygenaseâ€“2, and metabotropic glutamate receptors on the cerebral blood flow response to neuronal activation of whisker barrel cortex. <i>FASEB Journal</i> , 2011, 25, 1023.22.	0.5	0
88	Improved intransischemic perfusion and pial arteriolar dilation by transfusion of pegylated hemoglobin in the carbon monoxide state. <i>FASEB Journal</i> , 2011, 25, .	0.5	0
89	Early Treatment of Transient Focal Cerebral Ischemia with Bovine PEGylated Carboxy Hemoglobin Transfusion. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2010, 38, 223-229.	0.9	33
90	Onset of pulmonary ventilation in fetal sheep produces pial arteriolar constriction dependent on cytochrome p450 1%â€“hydroxylase activity. <i>Journal of Applied Physiology</i> , 2010, 109, 412-417.	2.5	11

#	ARTICLE	IF	CITATIONS
91	Sigma receptor ligand 4-phenyl-1-(4-phenylbutyl)-piperidine modulates neuronal nitric oxide synthase/postsynaptic density-95 coupling mechanisms and protects against neonatal ischemic degeneration of striatal neurons. <i>Experimental Neurology</i> , 2010, 221, 166-174.	4.1	55
92	Decreased Damage From Transient Focal Cerebral Ischemia by Transfusion of Zero-Link Hemoglobin Polymers in Mouse. <i>Stroke</i> , 2009, 40, 278-284.	2.0	28
93	Cerebrovascular Reactivity Measured by Near-Infrared Spectroscopy. <i>Stroke</i> , 2009, 40, 1820-1826.	2.0	269
94	Endothelin rather than 20-HETE contributes to loss of pial arteriolar dilation during focal cerebral ischemia with and without polymeric hemoglobin transfusion. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1412-R1418.	1.8	14
95	Astrocytes and the regulation of cerebral blood flow. <i>Trends in Neurosciences</i> , 2009, 32, 160-169.	8.6	392
96	Design of Recombinant Hemoglobins for Use in Transfusion Fluids. <i>Critical Care Clinics</i> , 2009, 25, 357-371.	2.6	20
97	The Lower Limit of Cerebral Blood Flow Autoregulation Is Increased with Elevated Intracranial Pressure. <i>Anesthesia and Analgesia</i> , 2009, 108, 1278-1283.	2.2	72
98	Insensitivity of cerebral oxygen transport to oxygen affinity of hemoglobin-based oxygen carriers. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1387-1394.	2.3	7
99	Interaction of Mechanisms Involving Epoxyeicosatrienoic Acids, Adenosine Receptors, and Metabotropic Glutamate Receptors in Neurovascular Coupling in Rat Whisker Barrel Cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 111-125.	4.3	75
100	Role of nitric oxide in cerebrovascular reactivity to NMDA and hypercapnia during prenatal development in sheep. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 47-55.	1.6	9
101	Rapid NMDA receptor phosphorylation and oxidative stress precede striatal neurodegeneration after hypoxic ischemia in newborn piglets and are attenuated with hypothermia. <i>International Journal of Developmental Neuroscience</i> , 2008, 26, 67-76.	1.6	71
102	Continuous Measurement of Autoregulation by Spontaneous Fluctuations in Cerebral Perfusion Pressure. <i>Stroke</i> , 2008, 39, 2531-2537.	2.0	229
103	Interaction of nitric oxide, 20-HETE, and EETs during functional hyperemia in whisker barrel cortex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H619-H631.	3.2	67
104	Role of heme oxygenase-2 in pial arteriolar response to acetylcholine in mice with and without transfusion of cell-free hemoglobin polymers. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R498-R504.	1.8	11
105	Effects of HET0016 and estrogen on postischemic pial artery dilatory response. <i>FASEB Journal</i> , 2008, 22, 733.12.	0.5	0
106	Continuous Time-Domain Analysis of Cerebrovascular Autoregulation Using Near-Infrared Spectroscopy. <i>Stroke</i> , 2007, 38, 2818-2825.	2.0	300
107	Dopamine Receptor Modulation of Hypoxic Ischemic Neuronal Injury in Striatum of Newborn Piglets. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1339-1351.	4.3	105
108	Effect of cell-free hemoglobin transfusion and 20-HETE synthesis inhibition on pial arteriolar diameter during middle cerebral artery occlusion. <i>FASEB Journal</i> , 2007, 21, A1274.	0.5	0

#	ARTICLE	IF	CITATIONS
109	Protective effect of 20- α -HETE inhibition on infarct volume following temporary middle cerebral artery occlusion is not associated with changes in cerebral blood flow. <i>FASEB Journal</i> , 2007, 21, A1383.	0.5	0
110	Role of 20-HETE in the pial arteriolar constrictor response to decreased hematocrit after exchange transfusion of cell-free polymeric hemoglobin. <i>Journal of Applied Physiology</i> , 2006, 100, 336-342.	2.5	24
111	Salvage of focal cerebral ischemic damage by transfusion of high O ₂ -affinity recombinant hemoglobin polymers in mouse. <i>Journal of Applied Physiology</i> , 2006, 100, 1688-1691.	2.5	23
112	Role of astrocytes in cerebrovascular regulation. <i>Journal of Applied Physiology</i> , 2006, 100, 307-317.	2.5	257
113	Contribution of adenosine A _{2A} and A _{2B} receptors and heme oxygenase to AMPA-induced dilation of pial arterioles in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R728-R735.	1.8	25
114	Dependence of acetylcholine and ADP dilation of pial arterioles on heme oxygenase after transfusion of cell-free polymeric hemoglobin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1027-H1037.	3.2	16
115	Role of nitric oxide scavenging in vascular response to cell-free hemoglobin transfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H1191-H1201.	3.2	45
116	Glutamine-dependent inhibition of pial arteriolar dilation to acetylcholine with and without hyperammonemia in the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R1612-R1619.	1.8	12
117	Dependency of Cortical Functional Hyperemia to Forepaw Stimulation on Epoxygenase and Nitric Oxide Synthase Activities in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 509-517.	4.3	78
118	Cerebrovascular response to decreased hematocrit: effect of cell-free hemoglobin, plasma viscosity, and CO ₂ . <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H1600-H1608.	3.2	69
119	A recombinant polymeric hemoglobin with conformational, functional, and physiological characteristics of an in vivo O ₂ transporter. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H549-H561.	3.2	42
120	Hypothermia for 24 Hours After Asphyxic Cardiac Arrest in Piglets Provides Striatal Neuroprotection That Is Sustained 10 Days After Rewarming. <i>Pediatric Research</i> , 2003, 54, 253-262.	2.3	81
121	Metabotropic Glutamate Receptor Activation Enhances the Activities of Two Types of Ca ²⁺ -Activated K ⁺ Channels in Rat Hippocampal Astrocytes. <i>Journal of Neuroscience</i> , 2003, 23, 1678-1687.	3.6	81
122	Cerebrovascular Effects of Carbon Monoxide. <i>Antioxidants and Redox Signaling</i> , 2002, 4, 279-290.	5.4	53
123	Suppression of cortical functional hyperemia to vibrissal stimulation in the rat by epoxygenase inhibitors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H2029-H2037.	3.2	114
124	Vascular response to infusions of a nonextravasating hemoglobin polymer. <i>Journal of Applied Physiology</i> , 2002, 93, 1479-1486.	2.5	134
125	Regional cerebral blood flow in cats with cross-linked hemoglobin transfusion during focal cerebral ischemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H832-H841.	3.2	23
126	Fetal cerebral and peripheral circulatory responses to hypoxia after nitric oxide synthase inhibition. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R381-R390.	1.8	47

#	ARTICLE	IF	CITATIONS
127	Blood-brain barrier permeability during dopamine-induced hypertension in fetal sheep. <i>Journal of Applied Physiology</i> , 2001, 91, 123-129.	2.5	5
128	Interaction of glutamine and arginine on cerebrovascular reactivity to hypercapnia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H1577-H1584.	3.2	14
129	P-450 epoxygenase and NO synthase inhibitors reduce cerebral blood flow response to N-methyl-D-aspartate. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H1616-H1624.	3.2	77
130	Preserved hypocapnic pial arteriolar constriction during hyperammonemia by glutamine synthetase inhibition. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 276, H456-H463.	3.2	13
131	Heme Oxygenase-2 Is Neuroprotective in Cerebral Ischemia. <i>Molecular Medicine</i> , 1999, 5, 656-663.	4.4	155
132	Effects of the AMPA Receptor Antagonist NBQX on Outcome of Newborn Pigs after Asphyxic Cardiac Arrest. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 927-938.	4.3	34
133	GLT1, glial glutamate transporter, is transiently expressed in neurons and develops astrocyte specificity only after midgestation in the ovine fetal brain. <i>Journal of Neurobiology</i> , 1999, 39, 515-526.	3.6	49
134	Quantitative EEG during Early Recovery from Hypoxic-Ischemic Injury in Immature Piglets: Burst Occurrence and Duration. <i>Clinical EEG (electroencephalography)</i> , 1999, 30, 175-183.	0.9	41
135	An Analysis of Hypoxia in Sheep Brain using a Mathematical Model. <i>Annals of Biomedical Engineering</i> , 1998, 26, 48-59.	2.5	18
136	Effect of cross-linked hemoglobin transfusion on endothelial-dependent dilation in cat pial arterioles. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H1313-H1321.	3.2	28
137	Cerebral blood flow during hypoxic hypoxia with plasma-based hemoglobin at reduced hematocrit. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H1933-H1942.	3.2	31
138	Sustained Endothelial Dependent Dilation in Pial Arterioles After Crosslinked Hemoglobin Transfusion. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1997, 25, 115-120.	0.9	4
139	Methionine Sulfoximine, a Glutamine Synthetase Inhibitor, Attenuates Increased Extracellular Potassium Activity during Acute Hyperammonemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 44-49.	4.3	64
140	Developmental and Regional Differences in Nitric Oxide Synthase Activity and Blood Flow in the Sheep Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 109-115.	4.3	59
141	Characterization of Metabotropic Glutamate Receptor-Mediated Nitric Oxide Production in Vivo. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 153-160.	4.3	36
142	Hypoxia-induced ischemia causes abnormalities in glutamate transporters and death of astroglia and neurons in newborn striatum. <i>Annals of Neurology</i> , 1997, 42, 335-348.	5.3	264
143	Primary sensory and forebrain motor systems in the newborn brain are preferentially damaged by hypoxia-ischemia. <i>Journal of Comparative Neurology</i> , 1997, 377, 262-285.	1.6	145
144	Intravenous Basic Fibroblast Growth Factor Decreases Brain Injury Resulting From Focal Ischemia in Cats. <i>Stroke</i> , 1997, 28, 609-616.	2.0	71

#	ARTICLE	IF	CITATIONS
145	Characterization of Ionotropic Glutamate Receptor-Mediated Nitric Oxide Production In Vivo in Rats. Stroke, 1997, 28, 850-857.	2.0	43
146	Nitric oxide synthase 1 and nitric oxide synthase 3 protein expression is regionally and temporally regulated in fetal brain. Developmental Brain Research, 1996, 95, 1-14.	1.7	49
147	Production and characteristics of an infusible oxygen-carrying fluid based on hemoglobin intramolecularly cross-linked with sebacic acid. Translational Research, 1996, 128, 146-153.	2.3	53
148	Correlation of the Average Water Diffusion Constant with Cerebral Blood Flow and Ischemic Damage after Transient Middle Cerebral Artery Occlusion in Cats. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 881-891.	4.3	72
149	Impaired Pial Arteriolar Reactivity to Hypercapnia During Hyperammonemia Depends on Glutamine Synthesis. Stroke, 1996, 27, 729-736.	2.0	20
150	Role of Nitric Oxide Scavenging in Peripheral Vasoconstrictor Response to $\beta^2\beta^2$ Cross-Linked Hemoglobin. Artificial Cells, Blood Substitutes, and Biotechnology, 1995, 23, 263-269.	0.9	16
151	Somatosensory Evoked Potential and Brain Water Content in Post-Asphyxic Immature Piglets. Pediatric Research, 1995, 37, 661-666.	2.3	16
152	Deferoxamine Reduces Early Metabolic Failure Associated With Severe Cerebral Ischemic Acidosis in Dogs. Stroke, 1995, 26, 688-695.	2.0	69
153	Adenosine Modulates N -Methyl- d -Aspartate-Stimulated Hippocampal Nitric Oxide Production In Vivo. Stroke, 1995, 26, 1627-1633.	2.0	34
154	Comparison of Cerebrovascular Response to Hypoxic and Carbon Monoxide Hypoxia in Newborn and Adult Sheep. Journal of Cerebral Blood Flow and Metabolism, 1984, 4, 115-122.	4.3	45
155	A POSSIBLE ROLE OF OXYGENASES IN THE REGULATION OF CEREBRAL BLOOD FLOW. , 1981, , 167-177.		1
156	Cerebral ischemia and reperfusion. , 0, , 119-128.		0