

Dmitriy N Atochin

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

3,260
citations

212478

28
h-index

169272

56
g-index

57
all docs

57
docs citations

57
times ranked

6246
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Aging related impairment of brain microvascular bioenergetics involves oxidative phosphorylation and glycolytic pathways. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1410-1424. | 2.4 | 18 |
| 2 | Molecular Mechanisms for Regulation of Neutrophil Apoptosis under Normal and Pathological Conditions. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2021, 57, 429-450. | 0.2 | 7 |
| 3 | Sulfide catabolism ameliorates hypoxic brain injury. <i>Nature Communications</i> , 2021, 12, 3108. | 5.8 | 71 |
| 4 | Modified middle cerebral artery occlusion model provides detailed intraoperative cerebral blood flow registration and improves neurobehavioral evaluation. <i>Journal of Neuroscience Methods</i> , 2021, 358, 109179. | 1.3 | 9 |
| 5 | Brief exposure of skin to near-infrared laser augments early vaccine responses. <i>Nanophotonics</i> , 2021, 10, 3187-3197. | 2.9 | 9 |
| 6 | Neuroprotective Effects of a Novel Inhibitor of c-Jun N-Terminal Kinase in the Rat Model of Transient Focal Cerebral Ischemia. <i>Cells</i> , 2020, 9, 1860. | 1.8 | 23 |
| 7 | Alarmins and c-Jun N-Terminal Kinase (JNK) Signaling in Neuroinflammation. <i>Cells</i> , 2020, 9, 2350. | 1.8 | 24 |
| 8 | Antihypertensive activity of a new c-Jun N-terminal kinase inhibitor in spontaneously hypertensive rats. <i>Hypertension Research</i> , 2020, 43, 1068-1078. | 1.5 | 10 |
| 9 | Inhibitory effect of IQ-1S, a selective c-Jun N-terminal kinase (JNK) inhibitor, on phenotypical and cytokine-producing characteristics in human macrophages and T-cells. <i>European Journal of Pharmacology</i> , 2020, 878, 173116. | 1.7 | 10 |
| 10 | cGMP-dependent protein kinase I in vascular smooth muscle cells improves ischemic stroke outcome in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2379-2391. | 2.4 | 8 |
| 11 | Somatostatin+/nNOS+ neurons are involved in delta electroencephalogram activity and cortical-dependent recognition memory. <i>Sleep</i> , 2019, 42, . | 0.6 | 17 |
| 12 | Protective Effects of a New C-Jun N-terminal Kinase Inhibitor in the Model of Global Cerebral Ischemia in Rats. <i>Molecules</i> , 2019, 24, 1722. | 1.7 | 35 |
| 13 | Synthesis, biological evaluation, and molecular modeling of 11H-indeno[1,2-b]quinoxalin-11-one derivatives and tryptanthrin-6-oxime as c-Jun N-terminal kinase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 161, 179-191. | 2.6 | 51 |
| 14 | Quantitative assessment of demyelination in ischemic stroke in vivo using macromolecular proton fraction mapping. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 919-931. | 2.4 | 37 |
| 15 | Cell-Based Drug Delivery and Use of Nano and Microcarriers for Cell Functionalization. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700818. | 3.9 | 75 |
| 16 | The Adaptation Role of Serine/Threonine Kinase Akt1 in Anabolism of Muscular Tissue. <i>Biology Bulletin Reviews</i> , 2018, 8, 489-496. | 0.3 | 0 |
| 17 | Connexins and Nitric Oxide Inside and Outside Mitochondria: Significance for Cardiac Protection and Adaptation. <i>Frontiers in Physiology</i> , 2018, 9, 479. | 1.3 | 12 |
| 18 | c-Jun N-Terminal Kinases (JNKs) in Myocardial and Cerebral Ischemia/Reperfusion Injury. <i>Frontiers in Pharmacology</i> , 2018, 9, 715. | 1.6 | 87 |

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|----|---|------|-----------|
| 19 | Haplotype analysis of endothelial nitric oxide synthase (NOS3) genetic variants and metabolic syndrome in healthy subjects and schizophrenia patients. <i>International Journal of Obesity</i> , 2018, 42, 2036-2046. | 1.6 | 15 |
| 20 | Oral nitrite restores age-dependent phenotypes in eNOS-null mice. <i>JCI Insight</i> , 2018, 3, . | 2.3 | 9 |
| 21 | An improved three-vessel occlusion model of global cerebral ischemia in rats. <i>Brain Research Bulletin</i> , 2017, 132, 213-221. | 1.4 | 14 |
| 22 | Targeting thrombomodulin to circulating red blood cells augments its protective effects in models of endotoxemia and ischemiaâ€‘reperfusion injury. <i>FASEB Journal</i> , 2017, 31, 761-770. | 0.2 | 27 |
| 23 | Endothelial FcÎ³ Receptor IIB Activation Blunts Insulin Delivery to Skeletal Muscle to Cause Insulin Resistance in Mice. <i>Diabetes</i> , 2016, 65, 1996-2005. | 0.3 | 20 |
| 24 | Neuroprotective effects of p-tyrosol after the global cerebral ischemia in rats. <i>Phytomedicine</i> , 2016, 23, 784-792. | 2.3 | 23 |
| 25 | A novel dual NO-donating oxime and c-Jun N-terminal kinase inhibitor protects against cerebral ischemiaâ€‘reperfusion injury in mice. <i>Neuroscience Letters</i> , 2016, 618, 45-49. | 1.0 | 43 |
| 26 | Nitric oxide and mitochondria in metabolic syndrome. <i>Frontiers in Physiology</i> , 2015, 6, 20. | 1.3 | 84 |
| 27 | Phosphomimetic Modulation of eNOS Improves Myocardial Reperfusion and Mimics Cardiac Postconditioning in Mice. <i>PLoS ONE</i> , 2014, 9, e85946. | 1.1 | 6 |
| 28 | Role of adiponectin and proinflammatory gene expression in adipose tissue chronic inflammation in women with metabolic syndrome. <i>Diabetology and Metabolic Syndrome</i> , 2014, 6, 137. | 1.2 | 19 |
| 29 | Endothelial Dysfunction Abrogates the Efficacy of Normobaric Hyperoxia in Stroke. <i>Journal of Neuroscience</i> , 2014, 34, 15200-15207. | 1.7 | 21 |
| 30 | Through-skull fluorescence imaging of the brain in a new near-infrared window. <i>Nature Photonics</i> , 2014, 8, 723-730. | 15.6 | 829 |
| 31 | C-Reactive Protein Causes Insulin Resistance in Mice Through FcÎ³ Receptor IIBâ€‘Mediated Inhibition of Skeletal Muscle Glucose Delivery. <i>Diabetes</i> , 2013, 62, 721-731. | 0.3 | 41 |
| 32 | eNOS phosphorylation on serine 1176 affects insulin sensitivity and adiposity. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 284-290. | 1.0 | 34 |
| 33 | Cerebral Blood Volume Affects Bloodâ€‘Brain Barrier Integrity in an Acute Transient Stroke Model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 898-905. | 2.4 | 18 |
| 34 | Hyperlipidemia Disrupts Cerebrovascular Reflexes and Worsens Ischemic Perfusion Defect. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 954-962. | 2.4 | 49 |
| 35 | Deficient eNOS Phosphorylation Is a Mechanism for Diabetic Vascular Dysfunction Contributing to Increased Stroke Size. <i>Stroke</i> , 2013, 44, 3183-3188. | 1.0 | 53 |
| 36 | Anti-Inflammatory Effect of Targeted Delivery of SOD to Endothelium: Mechanism, Synergism with NO Donors and Protective Effects In Vitro and In Vivo. <i>PLoS ONE</i> , 2013, 8, e77002. | 1.1 | 50 |

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|----|--|-----|-----------|
| 37 | A Novel Hydrogen Sulfide-releasing N-Methyl-d-Aspartate Receptor Antagonist Prevents Ischemic Neuronal Death. <i>Journal of Biological Chemistry</i> , 2012, 287, 32124-32135. | 1.6 | 73 |
| 38 | Role of Endothelial Nitric Oxide in Cerebrovascular Regulation. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 1334-1342. | 0.9 | 39 |
| 39 | Optical coherence tomography for the quantitative study of cerebrovascular physiology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1339-1345. | 2.4 | 70 |
| 40 | Delayed Paraplegia After Spinal Cord Ischemic Injury Requires Caspase-3 Activation in Mice. <i>Stroke</i> , 2011, 42, 2302-2307. | 1.0 | 31 |
| 41 | Nitric oxide synthase 3 deficiency limits adverse ventricular remodeling after pressure overload in insulin resistance. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H2093-H2101. | 1.5 | 9 |
| 42 | Endothelial nitric oxide synthase transgenic models of endothelial dysfunction. <i>Pflugers Archiv European Journal of Physiology</i> , 2010, 460, 965-974. | 1.3 | 112 |
| 43 | Soluble Guanylate Cyclase $\hat{1}\hat{1}^{21}$ Limits Stroke Size and Attenuates Neurological Injury. <i>Stroke</i> , 2010, 41, 1815-1819. | 1.0 | 24 |
| 44 | The Akt1-eNOS Axis Illustrates the Specificity of Kinase-Substrate Relationships in Vivo. <i>Science Signaling</i> , 2009, 2, ra41. | 1.6 | 84 |
| 45 | Contributions of nitric oxide synthase isoforms to pulmonary oxygen toxicity, local vs. mediated effects. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L984-L990. | 1.3 | 23 |
| 46 | Effects of Neuroglobin Overexpression on Acute Brain Injury and Long-Term Outcomes After Focal Cerebral Ischemia. <i>Stroke</i> , 2008, 39, 1869-1874. | 1.0 | 131 |
| 47 | Cerebrovascular Thromboprophylaxis in Mice by Erythrocyte-Coupled Tissue-Type Plasminogen Activator. <i>Circulation</i> , 2008, 118, 1442-1449. | 1.6 | 77 |
| 48 | Reduction of hippocampal cell death and proteolytic responses in tissue plasminogen activator knockout mice after transient global cerebral ischemia. <i>Neuroscience</i> , 2007, 150, 50-57. | 1.1 | 25 |
| 49 | Role of neuronal nitric oxide in the regulation of vasopressin expression and release in response to inhibition of catecholamine synthesis and dehydration. <i>Neuroscience Letters</i> , 2007, 426, 160-165. | 1.0 | 11 |
| 50 | The phosphorylation state of eNOS modulates vascular reactivity and outcome of cerebral ischemia in vivo. <i>Journal of Clinical Investigation</i> , 2007, 117, 1961-1967. | 3.9 | 143 |
| 51 | Tissue Plasminogen Activator Promotes Matrix Metalloproteinase-9 Upregulation After Focal Cerebral Ischemia. <i>Stroke</i> , 2005, 36, 1954-1959. | 1.0 | 215 |
| 52 | Mouse Model of Microembolic Stroke and Reperfusion. <i>Stroke</i> , 2004, 35, 2177-2182. | 1.0 | 59 |
| 53 | Contributions of Endothelial and Neuronal Nitric Oxide Synthases to Cerebrovascular Responses to Hypoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 1219-1226. | 2.4 | 88 |
| 54 | Oxygen seizure latency and peroxynitrite formation in mice lacking neuronal or endothelial nitric oxide synthases. <i>Neuroscience Letters</i> , 2003, 344, 53-56. | 1.0 | 59 |

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|----|---|-----|-----------|
| 55 | Rapid Cerebral Ischemic Preconditioning in Mice Deficient in Endothelial and Neuronal Nitric Oxide Synthases. <i>Stroke</i> , 2003, 34, 1299-1303. | 1.0 | 108 |
| 56 | Simultaneous Tissue PO ₂ , Nitric Oxide, and Laser Doppler Blood Flow Measurements during Neuronal Activation of Optic Nerve. <i>Advances in Experimental Medicine and Biology</i> , 1998, 454, 159-164. | 0.8 | 17 |