

Steven H Graham

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

4,190
citations

33
h-index

59
g-index

59
ext. papers

4,478
ext. citations

5.4
avg, IF

4.9
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 58 | Programmed cell death in cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001 , 21, 99-109 | 7.3 | 411 |
| 57 | In Vivo Delivery of a Bcl-xL Fusion Protein Containing the TAT Protein Transduction Domain Protects against Ischemic Brain Injury and Neuronal Apoptosis. <i>Journal of Neuroscience</i> , 2002 , 22, 5423-31 | 6.6 | 376 |
| 56 | Caspase-3 mediated neuronal death after traumatic brain injury in rats. <i>Journal of Neurochemistry</i> , 2000 , 74, 740-53 | 6 | 308 |
| 55 | Mild intraischemic hypothermia reduces postischemic hyperperfusion, delayed postischemic hypoperfusion, blood-brain barrier disruption, brain edema, and neuronal damage volume after temporary focal cerebral ischemia in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994 , 14, 620-7 | 7.3 | 234 |
| 54 | Increases in Bcl-2 and cleavage of caspase-1 and caspase-3 in human brain after head injury. <i>FASEB Journal</i> , 1999 , 13, 813-21 | 0.9 | 231 |
| 53 | Expression of the apoptosis-effector gene, Bax, is up-regulated in vulnerable hippocampal CA1 neurons following global ischemia. <i>Journal of Neurochemistry</i> , 1996 , 67, 64-71 | 6 | 202 |
| 52 | Apoptosis repressor genes Bcl-2 and Bcl-x-long are expressed in the rat brain following global ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997 , 17, 2-10 | 7.3 | 173 |
| 51 | Early neuropathologic effects of mild or moderate hypoxemia after controlled cortical impact injury in rats. <i>Journal of Neurotrauma</i> , 1997 , 14, 179-89 | 5.4 | 159 |
| 50 | Reduction of cognitive and motor deficits after traumatic brain injury in mice deficient in poly(ADP-ribose) polymerase. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999 , 19, 835-42 | 7.3 | 137 |
| 49 | Autophagy is increased after traumatic brain injury in mice and is partially inhibited by the antioxidant gamma-glutamylcysteinyl ethyl ester. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 540-50 | 7.3 | 133 |
| 48 | Role of cyclooxygenase 2 in acute spinal cord injury. <i>Journal of Neurotrauma</i> , 1998 , 15, 1005-13 | 5.4 | 133 |
| 47 | Fluorocitrate and fluoroacetate effects on astrocyte metabolism in vitro. <i>Brain Research</i> , 1994 , 664, 94-100 | 10 | 109 |
| 46 | Hypothermia and hyperthermia in children after resuscitation from cardiac arrest. <i>Pediatrics</i> , 2000 , 106, 118-22 | 7.4 | 101 |
| 45 | Glucose can fuel glutamate uptake in ischemic brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994 , 14, 1-6 | 7.3 | 93 |
| 44 | Cyclooxygenase-2 expression is induced in rat brain after kainate-induced seizures and promotes neuronal death in CA3 hippocampus. <i>Brain Research</i> , 2005 , 1050, 130-7 | 3.7 | 77 |
| 43 | Inflammation in ischemic stroke: mechanisms, consequences and possible drug targets. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014 , 13, 1378-96 | 2.6 | 67 |
| 42 | Expression of cyclo-oxygenase 2 in rat brain following kainate treatment. <i>NeuroReport</i> , 1995 , 6, 246-248 | 1.7 | 66 |

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|----|--|------|----|
| 41 | Inflammation after stroke: mechanisms and therapeutic approaches. <i>Translational Stroke Research</i> , 2010 , 1, 74-84 | 7.8 | 65 |
| 40 | Cyclopentenone prostaglandin-induced unfolding and aggregation of the Parkinson disease-associated UCH-L1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6835-40 | 11.5 | 60 |
| 39 | Fas (CD95) may mediate delayed cell death in hippocampal CA1 sector after global cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001 , 21, 1411-21 | 7.3 | 60 |
| 38 | Protective effect of the 20-HETE inhibitor HET0016 on brain damage after temporary focal ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006 , 26, 1551-61 | 7.3 | 56 |
| 37 | Detection of single- and double-strand DNA breaks after traumatic brain injury in rats: comparison of in situ labeling techniques using DNA polymerase I, the Klenow fragment of DNA polymerase I, and terminal deoxynucleotidyl transferase. <i>Journal of Neurotrauma</i> , 2001 , 18, 675-89 | 5.4 | 56 |
| 36 | Arachidonic acid-induced carbon-centered radicals and phospholipid peroxidation in cyclo-oxygenase-2-transfected PC12 cells. <i>Journal of Neurochemistry</i> , 2004 , 90, 1036-49 | 6 | 53 |
| 35 | Transient global ischemia triggers expression of the DNA damage-inducible gene GADD45 in the rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998 , 18, 646-57 | 7.3 | 52 |
| 34 | Modification of ubiquitin-C-terminal hydrolase-L1 by cyclopentenone prostaglandins exacerbates hypoxic injury. <i>Neurobiology of Disease</i> , 2011 , 41, 318-28 | 7.5 | 48 |
| 33 | Life and death in the trash heap: The ubiquitin proteasome pathway and UCHL1 in brain aging, neurodegenerative disease and cerebral Ischemia. <i>Ageing Research Reviews</i> , 2017 , 34, 30-38 | 12 | 46 |
| 32 | Cyclooxygenases in central nervous system diseases: a special role for cyclooxygenase 2 in neuronal cell death. <i>Archives of Neurology</i> , 2003 , 60, 628-30 | | 43 |
| 31 | Cyclooxygenase-2 activity following traumatic brain injury in the developing rat. <i>Pediatric Research</i> , 2007 , 62, 271-6 | 3.2 | 41 |
| 30 | Neuronal cyclooxygenase-2 activity and prostaglandins PGE2, PGD2, and PGF2 alpha exacerbate hypoxic neuronal injury in neuron-enriched primary culture. <i>Neurochemical Research</i> , 2008 , 33, 490-9 | 4.6 | 39 |
| 29 | Attenuation of postischemic brain hypoperfusion and reperfusion injury by the cyclooxygenase-lipoxygenase inhibitor BW755C. <i>Journal of Neurosurgery</i> , 1995 , 83, 99-104 | 3.2 | 39 |
| 28 | Endovascular suture occlusion of the middle cerebral artery in rats: effect of suture insertion distance on cerebral blood flow, infarct distribution and infarct volume. <i>Neurological Research</i> , 1997 , 19, 409-16 | 2.7 | 37 |
| 27 | Regulation of interstitial excitatory amino acid concentrations after cortical contusion injury. <i>Brain Research</i> , 2002 , 943, 15-22 | 3.7 | 37 |
| 26 | Soluble epoxide hydrolase inhibitor trans-4-[4-(3-adamantan-1-yl-ureido)-cyclohexyloxy]-benzoic acid is neuroprotective in rat model of ischemic stroke. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H1605-13 | 5.2 | 36 |
| 25 | Prostaglandin D2 toxicity in primary neurons is mediated through its bioactive cyclopentenone metabolites. <i>NeuroToxicology</i> , 2013 , 39, 35-44 | 4.4 | 32 |
| 24 | Prolonged opportunity for neuroprotection in experimental stroke with selective blockade of cyclooxygenase-2 activity. <i>Brain Research</i> , 2009 , 1279, 168-73 | 3.7 | 30 |

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|----|--|------|----|
| 23 | Role of UCHL1 in axonal injury and functional recovery after cerebral ischemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 4643-4650 | 11.5 | 28 |
| 22 | Genetic disruption of cyclooxygenase-2 does not improve histological or behavioral outcome after traumatic brain injury in mice. <i>Journal of Neuroscience Research</i> , 2008 , 86, 3605-12 | 4.4 | 27 |
| 21 | Rapid and simultaneous quantitation of prostanoids by UPLC-MS/MS in rat brain. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 945-946, 207-16 | 3.2 | 26 |
| 20 | Increased generation of cyclopentenone prostaglandins after brain ischemia and their role in aggregation of ubiquitinated proteins in neurons. <i>Neurotoxicity Research</i> , 2013 , 24, 191-204 | 4.3 | 26 |
| 19 | Neuroprotective effects of the glutamate release inhibitor 619C89 in temporary middle cerebral artery occlusion. <i>Brain Research</i> , 1997 , 749, 131-4 | 3.7 | 24 |
| 18 | Rosiglitazone attenuates inflammation and CA3 neuronal loss following traumatic brain injury in rats. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 472, 648-55 | 3.4 | 24 |
| 17 | The cyclooxygenase site, but not the peroxidase site of cyclooxygenase-2 is required for neurotoxicity in hypoxic and ischemic injury. <i>Journal of Neurochemistry</i> , 2010 , 113, 965-77 | 6 | 23 |
| 16 | Transgenic mice that overexpress the anti-apoptotic Bcl-2 protein have improved histological outcome but unchanged behavioral outcome after traumatic brain injury. <i>Brain Research</i> , 2006 , 1101, 126-35 | 3.7 | 21 |
| 15 | Bax kappa, a novel Bax splice variant from ischemic rat brain lacking an ART domain, promotes neuronal cell death. <i>Journal of Neurochemistry</i> , 2001 , 77, 1508-19 | 6 | 20 |
| 14 | Expression of the RNA-binding protein TIAR is increased in neurons after ischemic cerebral injury. <i>Journal of Neuroscience Research</i> , 2000 , 59, 767-74 | 4.4 | 19 |
| 13 | Diffusion-weighted magnetic resonance imaging during brief focal cerebral ischemia and early reperfusion: Evolution of delayed infarction in rats. <i>Neurological Research</i> , 1995 , 17, 449-453 | 2.7 | 17 |
| 12 | COX2-derived primary and cyclopentenone prostaglandins are increased after asphyxial cardiac arrest. <i>Brain Research</i> , 2013 , 1519, 71-7 | 3.7 | 15 |
| 11 | Cyclooxygenase-2 activity contributes to neuronal expression of cyclin D1 after anoxia/ischemia in vitro and in vivo. <i>Molecular Brain Research</i> , 2004 , 132, 31-7 | | 15 |
| 10 | Increased cytochrome c in rat cerebrospinal fluid after cardiac arrest and its effects on hypoxic neuronal survival. <i>Resuscitation</i> , 2012 , 83, 1491-6 | 4 | 14 |
| 9 | Protein disulfide isomerase as a novel target for cyclopentenone prostaglandins: implications for hypoxic ischemic injury. <i>FEBS Journal</i> , 2015 , 282, 2045-59 | 5.7 | 13 |
| 8 | In vivo transduction of neurons with TAT-UCH-L1 protects brain against controlled cortical impact injury. <i>PLoS ONE</i> , 2017 , 12, e0178049 | 3.7 | 10 |
| 7 | Intracerebroventricular Delivery of Recombinant NAMPT Deters Inflammation and Protects Against Cerebral Ischemia. <i>Translational Stroke Research</i> , 2019 , 10, 719-728 | 7.8 | 9 |
| 6 | Novel therapies for combating chronic neuropathological sequelae of TBI. <i>Neuropharmacology</i> , 2019 , 145, 160-176 | 5.5 | 6 |

- 5 Modification of ubiquitin C-terminal hydrolase L1 by reactive lipid species: role in neural regeneration and diseases of aging. *Neural Regeneration Research*, **2016**, 11, 908-9 4-5 5
- 4 Abolishing UCHL1 hydrolase activity exacerbates TBI-induced axonal injury and neuronal death in mice. *Experimental Neurology*, **2021**, 336, 113524 5-7 4
- 3 c-FLIP-L recombinant adeno-associated virus vector infection prevents Fas-mediated but not nerve growth factor withdrawal-mediated cell death in PC12 cells. *Molecular Brain Research*, **2004**, 122, 79-87 3
- 2 Mutation of a Ubiquitin Carboxy Terminal Hydrolase L1 Lipid Binding Site Alleviates Cell Death, Axonal Injury, and Behavioral Deficits After Traumatic Brain Injury in Mice. *Neuroscience*, **2021**, 475, 127-136 3-9 0
- 1 Eicosanoids: Roles in the Pathophysiology of Cerebral Ischaemia 481-486