# Neil R Sims

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 18 papers | 1,480 citations | 706676 14 h-index | 939365 18 g-index |
| 18 all docs | 18 docs citations | 18 times ranked | 2497 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Delayed Treatment with Human Dental Pulp Stem Cells Accelerates Functional Recovery and Modifies Responses of Peri-Infarct Astrocytes Following Photothrombotic Stroke in Rats. Cell Transplantation, 2021, 30, 096368972098443. | 1.2 | 5 |
| 2 | Differential effects of the cell cycle inhibitor, olomoucine, on functional recovery and on responses of peri-infarct microglia and astrocytes following photothrombotic stroke in rats. Journal of Neuroinflammation, 2021, 18, 168. | 3.1 | 2 |
| 3 | Early treatment with minocycline following stroke in rats improves functional recovery and differentially modifies responses of peri-infarct microglia and astrocytes. Journal of Neuroinflammation, 2019, 16, 6. | 3.1 | 63 |
| 4 | Mitochondria, oxidative metabolism and cell death in stroke. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 80-91. | 1.8 | 530 |
| 5 | Alterations in Membrane Potential in Mitochondria Isolated from Brain Subregions During Focal Cerebral Ischemia and Early Reperfusion: Evaluation Using Flow Cytometry. Neurochemical Research, 2009, 34, 1857-1866. | 1.6 | 16 |
| 6 | Isolation of mitochondria from rat brain using Percoll density gradient centrifugation. Nature Protocols, 2008, 3, 1228-1239. | 5.5 | 219 |
| 7 | Inhibition of Nitric Oxide Synthase with 7-Nitroindazole does not Modify Early Metabolic Recovery Following Focal Cerebral Ischemia in Rats. Neurochemical Research, 2007, 32, 663-670. | 1.6 | 9 |
| 8 | The metabolism of 14C-glucose by neurons and astrocytes in brain subregions following focal cerebral ischemia in rats. Journal of Neurochemistry, 2006, 97, 968-978. | 2.1 | 35 |
| 9 | Astrocytic Function Assessed from 1-14C-Acetate Metabolism after Temporary Focal Cerebral Ischemia in Rats. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 440-450. | 2.4 | 41 |
| 10 | (â˜)-Epigallocatechin gallate as an intervention for the acute treatment of cerebral ischemia. Neuroscience Letters, 2005, 382, 227-230. | 1.0 | 30 |
| 11 | Mitochondrial Glutathione: A Modulator of Brain Cell Death. Journal of Bioenergetics and Biomembranes, 2004, 36, 329-333. | 1.0 | 72 |
| 12 | Increased Mitochondrial Permeability in Response to Intrastriatal N-Methyl-d-Aspartate: Detection Based on Accumulation of Radiolabel from [3H]Deoxyglucose. Neurochemical Research, 2004, 29, 609-616. | 1.6 | 2 |
| 13 | Losses of NG2 and NeuN immunoreactivity but not astrocytic markers during early reperfusion following severe focal cerebral ischemia. Brain Research, 2003, 989, 221-230. | 1.1 | 34 |
| 14 | Mitochondrial contributions to tissue damage in stroke. Neurochemistry International, 2002, 40, 511-526. | 1.9 | 300 |
| 15 | Impairment of brain mitochondrial function by hydrogen peroxide. Molecular Brain Research, 2000, 77, 176-184. | 2.5 | 45 |
| 16 | The antioxidant defences of brain mitochondria during short-term forebrain ischemia and recirculation in the rat. Molecular Brain Research, 1998, 60, 141-149. | 2.5 | 18 |
| 17 | Energy Metabolism, Oxidative Stress and Neuronal Degeneration in Alzheimer's Disease. Experimental Neurology, 1996, 5, 435-440. | 1.7 | 40 |
| 18 | Alterations in the glutathione content of mitochondria following short-term forebrain ischemia in rats. Neuroscience Letters, 1996, 218, 75-78. | 1.0 | 19 |