

# Ignacio Lizasoain

## List of Publications by Year in Descending Order

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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.

181  
papers

11,223  
citations

57  
h-index

101  
g-index

187  
ext. papers

12,332  
ext. citations

6.3  
avg, IF

5.63  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 181 | Cav-1 Protein Levels in Serum and Infarcted Brain Correlate with Hemorrhagic Volume in a Mouse Model of Thromboembolic Stroke, Independently of rt-PA Administration.. <i>Molecular Neurobiology</i> , <b>2022</b> , 59, 1320          | 6.2  | 1         |
| 180 | Neutrophil Extracellular Trap Targeting Protects Against Ischemic Damage After Fibrin-Rich Thrombotic Stroke Despite Non-Reperfusion.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 790002                                       | 8.4  | 0         |
| 179 | First-in-human phase I clinical trial of a TLR4-binding DNA aptamer, ApTOLL: Safety and pharmacokinetics in healthy volunteers.. <i>Molecular Therapy - Nucleic Acids</i> , <b>2022</b> , 28, 124-135                                  | 10.7 | 2         |
| 178 | Insulin receptor activation by proinsulin preserves synapses and vision in retinitis pigmentosa.. <i>Cell Death and Disease</i> , <b>2022</b> , 13, 383  | 9.8  | 2         |
| 177 | Role of TLR4 in Neutrophil Dynamics and Functions: Contribution to Stroke Pathophysiology. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 757872   | 8.4  | 1         |
| 176 | Post-stroke Neurogenesis: Friend or Foe?. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 657846   | 5.7  | 9         |
| 175 | Effective glutamate clearance from the systemic circulation by hemodialysis: Potential relevance for cerebral ischemia management. <i>Artificial Organs</i> , <b>2021</b> , 45, 1183-1188  | 2.6  | 0         |
| 174 | Circadian Biology and Stroke. <i>Stroke</i> , <b>2021</b> , 52, 2180-2190  | 6.7  | 5         |
| 173 | Gene Deletion Delays Retinal Degeneration in Two Genetically Distinct Mouse Models of Retinitis Pigmentosa. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,   | 6.3  | 1         |
| 172 | Influence of metabolic syndrome on post-stroke outcome, angiogenesis and vascular function in old rats determined by dynamic contrast enhanced MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2021</b> , 41, 1692-1706 | 7.3  | 0         |
| 171 | Pathophysiological and pharmacological relevance of TLR4 in peripheral immune cells after stroke. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 228, 107933   | 13.9 | 4         |
| 170 | New Mechanistic Insights, Novel Treatment Paradigms, and Clinical Progress in Cerebrovascular Diseases. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 623751  | 5.3  | 9         |
| 169 | Programmed Disarming of the neutrophil proteome reduces the magnitude of inflammation. <i>Nature Immunology</i> , <b>2020</b> , 21, 135-144  | 19.1 | 89        |
| 168 | Role of TLR4 (Toll-Like Receptor 4) in N1/N2 Neutrophil Programming After Stroke. <i>Stroke</i> , <b>2019</b> , 50, 2922-2932  | 6.7  | 49        |
| 167 | Lack of the aryl hydrocarbon receptor accelerates aging in mice. <i>FASEB Journal</i> , <b>2019</b> , 33, 12644-12654  | 0.9  | 17        |
| 166 | Pharmacological Modulation of Neutrophil Extracellular Traps Reverses Thrombotic Stroke tPA (Tissue-Type Plasminogen Activator) Resistance. <i>Stroke</i> , <b>2019</b> , 50, 3228-3237  | 6.7  | 50        |
| 165 | Toll-like receptor 4 regulates subventricular zone proliferation and neuroblast migration after experimental stroke. <i>Brain, Behavior, and Immunity</i> , <b>2019</b> , 80, 573-582  | 16.6 | 14        |

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| 164 | Delayed Effects of Acute Reperfusion on Vascular Remodeling and Late-Phase Functional Recovery After Stroke. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 767  | 5.1  | 5  |
| 163 | Abolition of aberrant neurogenesis ameliorates cognitive impairment after stroke in mice. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 1536-1550  | 15.9 | 50 |
| 162 | Modulation of GSK-3 provides cellular and functional neuroprotection in the rd10 mouse model of retinitis pigmentosa. <i>Molecular Neurodegeneration</i> , <b>2018</b> , 13, 19  | 19   | 15 |
| 161 | Iron Overload Exacerbates the Risk of Hemorrhagic Transformation After tPA (Tissue-Type Plasminogen Activator) Administration in Thromboembolic Stroke Mice. <i>Stroke</i> , <b>2018</b> , 49, 2163-2172                       | 6.7  | 13 |
| 160 | Myeloid cells as therapeutic targets in neuroinflammation after stroke: Specific roles of neutrophils and neutrophil-platelet interactions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2018</b> , 38, 2150-2164 | 7.3  | 54 |
| 159 | TLR4-Binding DNA Aptamers Show a Protective Effect against Acute Stroke in Animal Models. <i>Molecular Therapy</i> , <b>2018</b> , 26, 2047-2059   | 11.7 | 22 |
| 158 | AhR Deletion Promotes Aberrant Morphogenesis and Synaptic Activity of Adult-Generated Granule Neurons and Impairs Hippocampus-Dependent Memory. <i>ENeuro</i> , <b>2018</b> , 5,   | 3.9  | 13 |
| 157 | Iron-loaded transferrin (Tf) is detrimental whereas iron-free Tf confers protection against brain ischemia by modifying blood Tf saturation and subsequent neuronal damage. <i>Redox Biology</i> , <b>2018</b> , 15, 143-158   | 11.3 | 30 |
| 156 | Toll-Like Receptor 4 Mediates Hemorrhagic Transformation After Delayed Tissue Plasminogen Activator Administration in In Situ Thromboembolic Stroke. <i>Stroke</i> , <b>2017</b> , 48, 1695-1699                               | 6.7  | 27 |
| 155 | Cannabinoid Type-2 Receptor Drives Neurogenesis and Improves Functional Outcome After Stroke. <i>Stroke</i> , <b>2017</b> , 48, 204-212  | 6.7  | 43 |
| 154 | Cytokines and Chemokines in Stroke <b>2017</b> , 280-284   |      | 3  |
| 153 | Test repositioning for functional assessment of neurological outcome after experimental stroke in mice. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176770   | 3.7  | 9  |
| 152 | Specific Features of SVZ Neurogenesis After Cortical Ischemia: a Longitudinal Study. <i>Scientific Reports</i> , <b>2017</b> , 7, 16343  | 4.9  | 20 |
| 151 | Reparative effects of interleukin-1 receptor antagonist in young and aged/co-morbid rodents after cerebral ischemia. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 61, 117-126  | 16.6 | 46 |
| 150 | Imaging the role of toll-like receptor 4 on cell proliferation and inflammation after cerebral ischemia by positron emission tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2016</b> , 36, 702-8        | 7.3  | 15 |
| 149 | Seladin-1/DHCR24 Is Neuroprotective by Associating EAAT2 Glutamate Transporter to Lipid Rafts in Experimental Stroke. <i>Stroke</i> , <b>2016</b> , 47, 206-13   | 6.7  | 15 |
| 148 | The Kynurenine Pathway in the Acute and Chronic Phases of Cerebral Ischemia. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 1060-73  | 3.3  | 26 |
| 147 | Efficacy of Alteplase in a Mouse Model of Acute Ischemic Stroke: A Retrospective Pooled Analysis. <i>Stroke</i> , <b>2016</b> , 47, 1312-1318  | 6.7  | 25 |

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| 146 | Preliminary research on 1-(4-bromo-2-nitroimidazol-1-yl)-3-[(18)F]fluoropropan-2-ol as a novel brain hypoxia PET tracer in a rodent model of stroke. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 101, 604-15 | 6.8  | 5   |
| 145 | Complexity of the cell-cell interactions in the innate immune response after cerebral ischemia. <i>Brain Research</i> , <b>2015</b> , 1623, 53-62   | 3.7  | 13  |
| 144 | The Complexity of the Innate Immune System Activation in Stroke Pathogenesis <b>2015</b> , 71-85  |      |     |
| 143 | Rational modulation of the innate immune system for neuroprotection in ischemic stroke. <i>Frontiers in Neuroscience</i> , <b>2015</b> , 9, 147   | 5.1  | 140 |
| 142 | Aging increases microglial proliferation, delays cell migration, and decreases cortical neurogenesis after focal cerebral ischemia. <i>Journal of Neuroinflammation</i> , <b>2015</b> , 12, 87                                  | 10.1 | 45  |
| 141 | L-kynurenine/aryl hydrocarbon receptor pathway mediates brain damage after experimental stroke. <i>Circulation</i> , <b>2014</b> , 130, 2040-51   | 16.7 | 61  |
| 140 | Toll-like receptor 4 modulates cell migration and cortical neurogenesis after focal cerebral ischemia. <i>FASEB Journal</i> , <b>2014</b> , 28, 4710-8  | 0.9  | 43  |
| 139 | Rosiglitazone-induced CD36 up-regulation resolves inflammation by PPAR $\alpha$ and 5-LO-dependent pathways. <i>Journal of Leukocyte Biology</i> , <b>2014</b> , 95, 587-98   | 6.5  | 50  |
| 138 | Characterization of Gcf2/Lrrfip1 in experimental cerebral ischemia and its role as a modulator of Akt, mTOR and $\beta$ catenin signaling pathways. <i>Neuroscience</i> , <b>2014</b> , 268, 48-65                              | 3.9  | 18  |
| 137 | Neutrophils scan for activated platelets to initiate inflammation. <i>Science</i> , <b>2014</b> , 346, 1234-8   | 33.3 | 388 |
| 136 | The high-mobility group I-Y transcription factor is involved in cerebral ischemia and modulates the expression of angiogenic proteins. <i>Neuroscience</i> , <b>2014</b> , 269, 112-30  | 3.9  | 12  |
| 135 | Oct-2 transcription factor binding activity and expression up-regulation in rat cerebral ischaemia is associated with a diminution of neuronal damage in vitro. <i>NeuroMolecular Medicine</i> , <b>2014</b> , 16, 332-49       | 4.6  | 4   |
| 134 | Stereological and flow cytometry characterization of leukocyte subpopulations in models of transient or permanent cerebral ischemia. <i>Journal of Visualized Experiments</i> , <b>2014</b> ,                                   | 1.6  | 8   |
| 133 | miRNA expression is modulated over time after focal ischaemia: up-regulation of miR-347 promotes neuronal apoptosis. <i>FEBS Journal</i> , <b>2013</b> , 280, 6233-46   | 5.7  | 35  |
| 132 | Silent information regulator 1 protects the brain against cerebral ischemic damage. <i>Stroke</i> , <b>2013</b> , 44, 2333-7  | 6.7  | 164 |
| 131 | N2 neutrophils, novel players in brain inflammation after stroke: modulation by the PPAR $\alpha$ agonist rosiglitazone. <i>Stroke</i> , <b>2013</b> , 44, 3498-508   | 6.7  | 199 |
| 130 | Neuronal excitotoxicity after carotid angioplasty and stent placement procedures. <i>Radiology</i> , <b>2013</b> , 268, 515-20  | 20.5 | 3   |
| 129 | Cannabinoids: well-suited candidates for the treatment of perinatal brain injury. <i>Brain Sciences</i> , <b>2013</b> , 3, 1043-59  | 3.4  | 14  |

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| 128 | Citicoline (CDP-choline) increases Sirtuin1 expression concomitant to neuroprotection in experimental stroke. <i>Journal of Neurochemistry</i> , <b>2013</b> , 126, 819-26   | 6    | 32  |
| 127 | Amelioration of ischemic brain damage by peritoneal dialysis. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 4359-63  | 15.9 | 37  |
| 126 | Regulator of calcineurin 1 (Rcan1) has a protective role in brain ischemia/reperfusion injury. <i>Journal of Neuroinflammation</i> , <b>2012</b> , 9, 48   | 10.1 | 42  |
| 125 | Functional cGMP-gated channels in cerebellar granule cells. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 2252-63   | 7    | 11  |
| 124 | Iron overload, measured as serum ferritin, increases brain damage induced by focal ischemia and early reperfusion. <i>Neurochemistry International</i> , <b>2012</b> , 61, 1364-9  | 4.4  | 22  |
| 123 | Reduced infarct size and accumulation of microglia in rats treated with WIN 55,212-2 after neonatal stroke. <i>Neuroscience</i> , <b>2012</b> , 207, 307-15  | 3.9  | 39  |
| 122 | Daidzein has neuroprotective effects through ligand-binding-independent PPAR $\alpha$ activation. <i>Neurochemistry International</i> , <b>2012</b> , 61, 119-27   | 4.4  | 29  |
| 121 | Cannabinoid type 2 receptor activation downregulates stroke-induced classic and alternative brain macrophage/microglial activation concomitant to neuroprotection. <i>Stroke</i> , <b>2012</b> , 43, 211-9                   | 6.7  | 147 |
| 120 | Longitudinal studies of ischemic penumbra by using 18F-FDG PET and MRI techniques in permanent and transient focal cerebral ischemia in rats. <i>NeuroImage</i> , <b>2011</b> , 57, 45-54                                    | 7.9  | 35  |
| 119 | Implication of the Toll-like receptor 4 pathway in the response to interferon- $\beta$ in multiple sclerosis. <i>Annals of Neurology</i> , <b>2011</b> , 70, 634-45  | 9.4  | 33  |
| 118 | Neuroprotection and recovery: recent data at the bench on citicoline. <i>Stroke</i> , <b>2011</b> , 42, S33-5  | 6.7  | 33  |
| 117 | A mouse model of hemorrhagic transformation by delayed tissue plasminogen activator administration after in situ thromboembolic stroke. <i>Stroke</i> , <b>2011</b> , 42, 196-203  | 6.7  | 64  |
| 116 | Neurological tests for functional outcome assessment in rodent models of ischaemic stroke. <i>Revista De Neurologia</i> , <b>2011</b> , 53, 607-18   | 24   | 11  |
| 115 | The cannabinoid WIN55212-2 promotes neural repair after neonatal hypoxia-ischemia. <i>Stroke</i> , <b>2010</b> , 41, 2956-64   | 6.7  | 32  |
| 114 | Lack of adrenomedullin, but not complement factor H, results in larger infarct size and more extensive brain damage in a focal ischemia model. <i>Neuroscience</i> , <b>2010</b> , 171, 885-92                               | 3.9  | 17  |
| 113 | Colonic bacterial translocation as a possible factor in stress-worsening experimental stroke outcome. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2009</b> , 296, R979-85 | 3.2  | 47  |
| 112 | Synthesis of lipoxin A4 by 5-lipoxygenase mediates PPAR $\gamma$ -dependent, neuroprotective effects of rosiglitazone in experimental stroke. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 3875-84                     | 6.6  | 101 |
| 111 | Validation of housekeeping genes for quantitative real-time PCR in in-vivo and in-vitro models of cerebral ischaemia. <i>BMC Molecular Biology</i> , <b>2009</b> , 10, 57  | 4.5  | 91  |

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| 110 | Toll-like receptor 4 is involved in neuroprotection afforded by ischemic preconditioning. <i>Journal of Neurochemistry</i> , <b>2009</b> , 109, 287-94  | 6    | 99  |
| 109 | Plasma levels of 15d-PGJ are not altered in multiple sclerosis. <i>European Journal of Neurology</i> , <b>2009</b> , 16, 1197-201   | 6    | 5   |
| 108 | Mitochondria and reactive oxygen and nitrogen species in neurological disorders and stroke: Therapeutic implications. <i>Advanced Drug Delivery Reviews</i> , <b>2009</b> , 61, 1299-315                              | 18.5 | 84  |
| 107 | Aumento de expresi3n y actividad de MMP-9 en rinosinusitis cr3nica con poliposis nasal. <i>Acta Otorrinolaringol3gica Espa3ola</i> , <b>2008</b> , 59, 444-447  | 0.9  | 8   |
| 106 | Role of K <sup>+</sup> and Ca <sup>2+</sup> fluxes in the cerebroarterial vasoactive effects of sildenafil. <i>European Journal of Pharmacology</i> , <b>2008</b> , 581, 138-47                                       | 5.3  | 2   |
| 105 | Delayed post-ischemic administration of CDP-choline increases EAAT2 association to lipid rafts and affords neuroprotection in experimental stroke. <i>Neurobiology of Disease</i> , <b>2008</b> , 29, 123-31          | 7.5  | 34  |
| 104 | Increased Expression and Activity of MMP-9 in Chronic Rhinosinusitis With Nasal Polyposis. <i>Acta Otorrinolaringologica (English Edition)</i> , <b>2008</b> , 59, 444-447  | 0.1  |     |
| 103 | Toll-like receptor 4 is involved in subacute stress-induced neuroinflammation and in the worsening of experimental stroke. <i>Stroke</i> , <b>2008</b> , 39, 1314-20  | 6.7  | 150 |
| 102 | Activation of liver X receptors promotes neuroprotection and reduces brain inflammation in experimental stroke. <i>Circulation</i> , <b>2008</b> , 118, 1450-9  | 16.7 | 78  |
| 101 | The role of PPARgamma on restoration of colonic homeostasis after experimental stress-induced inflammation and dysfunction. <i>Gastroenterology</i> , <b>2007</b> , 132, 1791-803                                     | 13.3 | 81  |
| 100 | Ischemic preconditioning reveals that GLT1/EAAT2 glutamate transporter is a novel PPARgamma target gene involved in neuroprotection. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2007</b> , 27, 1327-38 | 7.3  | 126 |
| 99  | The cannabinoid agonist WIN55212 reduces brain damage in an in vivo model of hypoxic-ischemic encephalopathy in newborn rats. <i>Pediatric Research</i> , <b>2007</b> , 62, 255-60                                    | 3.2  | 57  |
| 98  | Toll-like receptor 4 is involved in brain damage and inflammation after experimental stroke. <i>Circulation</i> , <b>2007</b> , 115, 1599-608   | 16.7 | 460 |
| 97  | The increase of circulating endothelial progenitor cells after acute ischemic stroke is associated with good outcome. <i>Stroke</i> , <b>2007</b> , 38, 2759-64   | 6.7  | 184 |
| 96  | The seek of neuroprotection: introducing cannabinoids. <i>Recent Patents on CNS Drug Discovery</i> , <b>2007</b> , 2, 131-9   |      | 40  |
| 95  | Statin treatment withdrawal in ischemic stroke: a controlled randomized study. <i>Neurology</i> , <b>2007</b> , 69, 904-10  | 6.5  | 248 |
| 94  | Involvement of IL-1beta in acute stress-induced worsening of cerebral ischaemia in rats. <i>European Neuropsychopharmacology</i> , <b>2007</b> , 17, 600-7  | 1.2  | 59  |
| 93  | A chronic treatment with CDP-choline improves functional recovery and increases neuronal plasticity after experimental stroke. <i>Neurobiology of Disease</i> , <b>2007</b> , 26, 105-11                              | 7.5  | 64  |

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| 92 | Characterization of the neuroprotective effect of the cannabinoid agonist WIN-55212 in an in vitro model of hypoxic-ischemic brain damage in newborn rats. <i>Pediatric Research</i> , <b>2006</b> , 60, 169-73                             | 3.2  | 85 |
| 91 | Micro- and macroalbuminuria predict hemorrhagic transformation in acute ischemic stroke. <i>Neurology</i> , <b>2006</b> , 67, 1172-7  | 6.5  | 45 |
| 90 | A polymorphism in the EAAT2 promoter is associated with higher glutamate concentrations and higher frequency of progressing stroke. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 711-7                                      | 16.6 | 87 |
| 89 | Targets of cytoprotection in acute ischemic stroke: present and future. <i>Cerebrovascular Diseases</i> , <b>2006</b> , 21 Suppl 2, 1-8   | 3.2  | 29 |
| 88 | High blood pressure and inflammation are associated with poor prognosis in lacunar infarctions. <i>Cerebrovascular Diseases</i> , <b>2006</b> , 22, 123-9   | 3.2  | 23 |
| 87 | Neurorepair versus neuroprotection in stroke. <i>Cerebrovascular Diseases</i> , <b>2006</b> , 21 Suppl 2, 54-63   | 3.2  | 30 |
| 86 | Ischemic preconditioning: a novel target for neuroprotective therapy. <i>Cerebrovascular Diseases</i> , <b>2006</b> , 21 Suppl 2, 38-47   | 3.2  | 36 |
| 85 | TNFR1 mediates increased neuronal membrane EAAT3 expression after in vivo cerebral ischemic preconditioning. <i>Neuroscience</i> , <b>2006</b> , 138, 1171-8  | 3.9  | 32 |
| 84 | The role of tumor necrosis factor-alpha in stress-induced worsening of cerebral ischemia in rats. <i>Neuroscience</i> , <b>2006</b> , 142, 59-69  | 3.9  | 37 |
| 83 | Nitric Oxide Synthase as a Target for the Prevention of Hypoxic-Ischemic Newborn Brain Damage. <i>Current Enzyme Inhibition</i> , <b>2006</b> , 2, 219-229  | 0.5  | 6  |
| 82 | Hyperthermia is a surrogate marker of inflammation-mediated cause of brain damage in acute ischaemic stroke. <i>Journal of Internal Medicine</i> , <b>2006</b> , 260, 343-9   | 10.8 | 46 |
| 81 | Rosiglitazone and 15-deoxy-Delta12,14-prostaglandin J2 cause potent neuroprotection after experimental stroke through noncompletely overlapping mechanisms. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2006</b> , 26, 218-29 | 7.3  | 93 |
| 80 | New-onset hypertension and inflammatory response/poor outcome in acute ischemic stroke. <i>Neurology</i> , <b>2006</b> , 67, 1973-8   | 6.5  | 47 |
| 79 | TNF-alpha converting enzyme (TACE) protein expression in different clinical subtypes of multiple sclerosis. <i>Journal of Neurology</i> , <b>2006</b> , 253, 701-6  | 5.5  | 14 |
| 78 | Increased plasma levels of 15-deoxyDelta prostaglandin J2 are associated with good outcome in acute atherothrombotic ischemic stroke. <i>Stroke</i> , <b>2005</b> , 36, 1189-94   | 6.7  | 59 |
| 77 | Neuroprotection afforded by prior citicoline administration in experimental brain ischemia: effects on glutamate transport. <i>Neurobiology of Disease</i> , <b>2005</b> , 18, 336-45   | 7.5  | 96 |
| 76 | Inhibition of iNOS activity by 1400W decreases glutamate release and ameliorates stroke outcome after experimental ischemia. <i>Neurobiology of Disease</i> , <b>2005</b> , 18, 375-84  | 7.5  | 78 |
| 75 | Peroxisome proliferator-activated receptor gamma activation decreases neuroinflammation in brain after stress in rats. <i>Biological Psychiatry</i> , <b>2005</b> , 57, 885-94  | 7.9  | 92 |

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| 74 | The nonthiazolidinedione PPARgamma agonist L-796,449 is neuroprotective in experimental stroke. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2005</b> , 64, 797-805                    | 3.1 | 59  |
| 73 | Immature rat brain slices exposed to oxygen-glucose deprivation as an in vitro model of neonatal hypoxic-ischemic encephalopathy. <i>Journal of Neuroscience Methods</i> , <b>2005</b> , 145, 205-12       | 3   | 32  |
| 72 | TNFR1 upregulation mediates tolerance after brain ischemic preconditioning. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, 193-203   | 7.3 | 77  |
| 71 | Dual role of nitric oxide in adult neurogenesis. <i>Brain Research Reviews</i> , <b>2005</b> , 50, 1-6   |     | 64  |
| 70 | Mitochondrial respiratory chain and free radical generation in stroke. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 39, 1291-304   | 7.8 | 187 |
| 69 | The anti-inflammatory prostaglandin 15d-PGJ2 decreases oxidative/nitrosative mediators in brain after acute stress in rats. <i>Psychopharmacology</i> , <b>2005</b> , 180, 513-22                          | 4.7 | 28  |
| 68 | The prediction of malignant cerebral infarction by molecular brain barrier disruption markers. <i>Stroke</i> , <b>2005</b> , 36, 1921-6  | 6.7 | 113 |
| 67 | In vitro ischemic tolerance involves upregulation of glutamate transport partly mediated by the TACE/ADAM17-tumor necrosis factor-alpha pathway. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 1350-7 | 6.6 | 118 |
| 66 | Activity of inducible and neuronal nitric oxide synthases in colonic mucosa predicts progression of ulcerative colitis. <i>American Journal of Gastroenterology</i> , <b>2004</b> , 99, 1756-64            | 0.7 | 22  |
| 65 | TNF-alpha accounts for short-term persistence of oxidative status in rat brain after two weeks of repeated stress. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 1125-30                     | 3.5 | 24  |
| 64 | Role of nitric oxide after brain ischaemia. <i>Cell Calcium</i> , <b>2004</b> , 36, 265-75   | 4   | 207 |
| 63 | Stress increases susceptibility to oxidative/nitrosative mucosal damage in an experimental model of colitis in rats. <i>Digestive Diseases and Sciences</i> , <b>2004</b> , 49, 1713-21                    | 4   | 18  |
| 62 | Brain Oxidative Markers in Stress: Possible New Drug Targets Against Neuroinflammation. <i>Current Neuropharmacology</i> , <b>2004</b> , 2, 183-189  | 7.6 | 6   |
| 61 | Inhibition of glutamate release by delaying ATP fall accounts for neuroprotective effects of antioxidants in experimental stroke. <i>FASEB Journal</i> , <b>2003</b> , 17, 2082-4                          | 0.9 | 45  |
| 60 | Induction of cyclooxygenase-2 accounts for restraint stress-induced oxidative status in rat brain. <i>Neuropsychopharmacology</i> , <b>2003</b> , 28, 1579-88  | 8.7 | 117 |
| 59 | Plasma Metalloproteinase-9 Concentration Predicts Hemorrhagic Transformation in Acute Ischemic Stroke. <i>Stroke</i> , <b>2003</b> , 34, 40-46   | 6.7 | 301 |
| 58 | Expression and function of tumour necrosis factor-alpha-converting enzyme in the central nervous system. <i>NeuroSignals</i> , <b>2003</b> , 12, 53-8  | 1.9 | 17  |
| 57 | Effect of subacute and chronic immobilisation stress on the outcome of permanent focal cerebral ischaemia in rats. <i>Brain Research</i> , <b>2003</b> , 979, 137-45                                       | 3.7 | 62  |



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| 56 | Postnatal changes in the nitric oxide system of the rat cerebral cortex after hypoxia during delivery. <i>Developmental Brain Research</i> , <b>2003</b> , 142, 177-92   |     | 24  |
| 55 | The release of tumor necrosis factor-alpha is associated with ischemic tolerance in human stroke. <i>Annals of Neurology</i> , <b>2003</b> , 54, 811-9   | 9.4 | 77  |
| 54 | Relationship between cyclooxygenase-2 and nitric oxide synthase-2 in rat cortex after stress. <i>European Journal of Neuroscience</i> , <b>2003</b> , 18, 1701-5   | 3.5 | 58  |
| 53 | L-arginine levels in blood as a marker of nitric oxide-mediated brain damage in acute stroke: a clinical and experimental study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2003</b> , 23, 978-84             | 7.3 | 34  |
| 52 | Neuroprotective effects of aspirin in patients with acute cerebral infarction. <i>Neuroscience Letters</i> , <b>2003</b> , 339, 248-50   | 3.3 | 33  |
| 51 | Stress-induced increase in extracellular sucrose space in rats is mediated by nitric oxide. <i>Brain Research</i> , <b>2002</b> , 938, 87-91   | 3.7 | 31  |
| 50 | The increase in TNF-alpha levels is implicated in NF-kappaB activation and inducible nitric oxide synthase expression in brain cortex after immobilization stress. <i>Neuropsychopharmacology</i> , <b>2002</b> , 26, 155-63 | 8.7 | 175 |
| 49 | TACE/ADAM17-TNF-alpha pathway in rat cortical cultures after exposure to oxygen-glucose deprivation or glutamate. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2002</b> , 22, 576-85                            | 7.3 | 54  |
| 48 | Upregulation of TACE/ADAM17 after ischemic preconditioning is involved in brain tolerance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2002</b> , 22, 1297-302   | 7.3 | 52  |
| 47 | Inhibition of glutamate release via recovery of ATP levels accounts for a neuroprotective effect of aspirin in rat cortical neurons exposed to oxygen-glucose deprivation. <i>Stroke</i> , <b>2002</b> , 33, 261-7           | 6.7 | 79  |
| 46 | Aspirin inhibits stress-induced increase in plasma glutamate, brain oxidative damage and ATP fall in rats. <i>NeuroReport</i> , <b>2002</b> , 13, 217-21   | 1.7 | 30  |
| 45 | Cerebrospinal fluid and plasma concentrations of nitric oxide metabolites are increased in dementia with Lewy bodies. <i>Neuroscience Letters</i> , <b>2002</b> , 333, 151-3   | 3.3 | 11  |
| 44 | Upregulation of TACE/ADAM17 After Ischemic Preconditioning Is Involved in Brain Tolerance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2002</b> , 1297-1302  | 7.3 | 24  |
| 43 | Neuroprotective effect of aspirin by inhibition of glutamate release after permanent focal cerebral ischaemia in rats. <i>Journal of Neurochemistry</i> , <b>2001</b> , 79, 456-9  | 6   | 72  |
| 42 | Inducible nitric oxide synthase expression in brain cortex after acute restraint stress is regulated by nuclear factor kappaB-mediated mechanisms. <i>Journal of Neurochemistry</i> , <b>2001</b> , 76, 532-8                | 6   | 153 |
| 41 | Glutathione depletion, lipid peroxidation and mitochondrial dysfunction are induced by chronic stress in rat brain. <i>Neuropsychopharmacology</i> , <b>2001</b> , 24, 420-9   | 8.7 | 279 |
| 40 | Implication of TNF-alpha convertase (TACE/ADAM17) in inducible nitric oxide synthase expression and inflammation in an experimental model of colitis. <i>Cytokine</i> , <b>2001</b> , 16, 220-6                              | 4   | 60  |
| 39 | N-(3-(aminomethyl)benzyl)acetamidine, an inducible nitric oxide synthase inhibitor, decreases colonic inflammation induced by trinitrobenzene sulphonic acid in rats. <i>Life Sciences</i> , <b>2001</b> , 69, 479-91        | 6.8 | 33  |

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| 38 | Up-regulation of TNF-alpha convertase (TACE/ADAM17) after oxygen-glucose deprivation in rat forebrain slices. <i>Neuropharmacology</i> , <b>2001</b> , 40, 1094-102  | 5.5 | 58  |
| 37 | Implication of glutamate in the expression of inducible nitric oxide synthase after oxygen and glucose deprivation in rat forebrain slices. <i>Journal of Neurochemistry</i> , <b>2000</b> , 74, 2041-8  | 6   | 87  |
| 36 | Chronic stress induces the expression of inducible nitric oxide synthase in rat brain cortex. <i>Journal of Neurochemistry</i> , <b>2000</b> , 74, 785-91  | 6   | 180 |
| 35 | Fructose-1,6-bisphosphate inhibits the expression of inducible nitric oxide synthase caused by oxygen-glucose deprivation through the inhibition of glutamate release in rat forebrain slices. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2000</b> , 362, 208-12 | 3.4 | 16  |
| 34 | Up-regulation of neuronal NO synthase immunoreactivity in opiate dependence and withdrawal. <i>Psychopharmacology</i> , <b>2000</b> , 148, 66-73   | 4.7 | 59  |
| 33 | Inducible nitric oxide synthase activity is expressed not only in inflamed but also in normal colonic mucosa in patients with ulcerative colitis: a potential prognostic marker. <i>American Journal of Gastroenterology</i> , <b>2000</b> , 95, 1371-3                          | 0.7 | 6   |
| 32 | Mechanisms of the neuroprotective effect of aspirin after oxygen and glucose deprivation in rat forebrain slices. <i>Neuropharmacology</i> , <b>2000</b> , 39, 1309-18   | 5.5 | 58  |
| 31 | Inducible nitric oxide synthase activity is expressed not only in inflamed but also in normal colonic mucosa in patients with ulcerative colitis: a potential prognostic marker. <i>American Journal of Gastroenterology</i> , <b>2000</b> , 95, 1371-1373                       | 0.7 | 9   |
| 30 | Down-regulation of neuronal nitric oxide synthase by nitric oxide after oxygen-glucose deprivation in rat forebrain slices. <i>Journal of Neurochemistry</i> , <b>1999</b> , 72, 248-54  | 6   | 38  |
| 29 | Nitric oxide synthase activity in human squamous cell carcinoma of the head and neck. <i>Laryngoscope</i> , <b>1999</b> , 109, 148-52  | 3.6 | 30  |
| 28 | Use of brain slices in the study of pathogenic role of inducible nitric oxide synthase in cerebral ischemia-reperfusion. <i>General Pharmacology</i> , <b>1999</b> , 32, 577-81  |     | 16  |
| 27 | Neuroprotective effects of DETA-NONOate, a nitric oxide donor, on hydrogen peroxide-induced neurotoxicity in cortical neurones. <i>Neuropharmacology</i> , <b>1999</b> , 38, 1307-15   | 5.5 | 30  |
| 26 | Simultaneous measurement of mitochondrial function and NO. <i>Methods in Molecular Biology</i> , <b>1998</b> , 100, 273-9  | 1.4 | 1   |
| 25 | Protective effect of N-(3-(aminomethyl)benzyl) acetamidine, an inducible nitric oxide synthase inhibitor, in brain slices exposed to oxygen-glucose deprivation. <i>European Journal of Pharmacology</i> , <b>1998</b> , 354, 161-5  | 5.3 | 33  |
| 24 | Neuronal and inducible nitric oxide synthase and nitrotyrosine immunoreactivities in the cerebral cortex of the aging rat. <i>Microscopy Research and Technique</i> , <b>1998</b> , 43, 75-88  | 2.8 | 110 |
| 23 | Neuronal expression of inducible nitric oxide synthase after oxygen and glucose deprivation in rat forebrain slices. <i>European Journal of Neuroscience</i> , <b>1998</b> , 10, 445-56  | 3.5 | 106 |
| 22 | Neuronal death induced by SIN-1 in the presence of superoxide dismutase: protection by cyclic GMP. <i>Neuropharmacology</i> , <b>1998</b> , 37, 1071-9   | 5.5 | 36  |
| 21 | Peroxynitrite causes aspartate release from dissociated rat cerebellar granule neurones. <i>Free Radical Research</i> , <b>1998</b> , 28, 193-204  | 4   | 10  |

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| 20 | Inhibition of morphine withdrawal by lamotrigine: involvement of nitric oxide. <i>European Journal of Pharmacology</i> , <b>1996</b> , 299, 41-5  | 5.3  | 14   |
| 19 | Nitric oxide and peroxynitrite exert distinct effects on mitochondrial respiration which are differentially blocked by glutathione or glucose. <i>Biochemical Journal</i> , <b>1996</b> , 314 ( Pt 3), 877-80                                       | 3.8  | 302  |
| 18 | cGMP mediates the vascular and platelet actions of nitric oxide: confirmation using an inhibitor of the soluble guanylyl cyclase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 1480-5 | 11.5 | 396  |
| 17 | Effects of trepellenamine on brain monoamine turnover in morphine dependent and abstinent mice. <i>Psychopharmacology</i> , <b>1996</b> , 123, 297-302  | 4.7  | 5    |
| 16 | Correlation between brain nitric oxide synthase activity and opiate withdrawal. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>1996</b> , 353, 349-54   | 3.4  | 31   |
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| 14 | Inhibition by lamotrigine of the generation of nitric oxide in rat forebrain slices. <i>Journal of Neurochemistry</i> , <b>1995</b> , 64, 636-42  | 6    | 38   |
| 13 | The formation of nitric oxide donors from peroxynitrite. <i>British Journal of Pharmacology</i> , <b>1995</b> , 116, 1999-2004  | 16.0 | 160  |
| 12 | Morphine-induced changes in cerebral and cerebellar nitric oxide synthase activity. <i>European Journal of Pharmacology</i> , <b>1995</b> , 285, 95-8   | 5.3  | 23   |
| 11 | Induction of calcium-dependent nitric oxide synthases by sex hormones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 5212-6  | 11.5 | 1002 |
| 10 | Changes induced by sodium cromoglycate on brain serotonin turnover in morphine dependent and abstinent mice. <i>Psychopharmacology</i> , <b>1993</b> , 111, 233-8   | 4.7  | 4    |
| 9  | Role of sodium cromoglycate on analgesia, locomotor activity and opiate withdrawal in mice. <i>Psychopharmacology</i> , <b>1992</b> , 107, 595-600  | 4.7  | 11   |
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| 4  | Calcium channel blockers: effect on morphine-induced hypermotility. <i>Psychopharmacology</i> , <b>1990</b> , 101, 267-70   | 4.7  | 17   |
| 3  | Effects of antihistaminics on naloxone-induced withdrawal in morphine-dependent mice. <i>Psychopharmacology</i> , <b>1990</b> , 102, 106-11   | 4.7  | 8    |

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| 1 | Insulin receptor activation by proinsulin preserves synapses and vision in retinitis pigmentosa  | 1 |