Antonio J Herrera

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----------------|-----------|
| 1 | The Single Intranigral Injection of LPS as a New Model for Studying the Selective Effects of Inflammatory Reactions on Dopaminergic System. Neurobiology of Disease, 2000, 7, 429-447. | 4.4 | 373 |
| 2 | The degenerative effect of a single intranigral injection of LPS on the dopaminergic system is prevented by dexamethasone, and not mimicked by rhâ€TNFâ€Î±, ILâ€1β and IFNâ€Ì³. Journal of Neurochemistry 81, 150-157. | , 200 2, | 227 |
| 3 | Minocycline reduces the lipopolysaccharide-induced inflammatory reaction, peroxynitrite-mediated nitration of proteins, disruption of the blood–brain barrier, and damage in the nigral dopaminergic system. Neurobiology of Disease, 2004, 16, 190-201. | 4.4 | 187 |
| 4 | Stress Increases Vulnerability to Inflammation in the Rat Prefrontal Cortex. Journal of Neuroscience, 2006, 26, 5709-5719. | 3.6 | 187 |
| 5 | Microglia: Agents of the CNS Pro-Inflammatory Response. Cells, 2020, 9, 1717. | 4.1 | 174 |
| 6 | Ulcerative colitis exacerbates lipopolysaccharideâ€induced damage to the nigral dopaminergic system: potential risk factor in Parkinson`s disease. Journal of Neurochemistry, 2010, 114, 1687-1700. | 3.9 | 169 |
| 7 | Chronic stress enhances microglia activation and exacerbates death of nigral dopaminergic neurons under conditions of inflammation. Journal of Neuroinflammation, 2014, 11, 34. | 7.2 | 157 |
| 8 | Chronic stress as a risk factor for Alzheimer's disease. Reviews in the Neurosciences, 2014, 25, 785-804. | 2.9 | 132 |
| 9 | NADPH diaphorase localization and nitric oxide synthetase activity in the retina and anterior uvea of the rabbit eye. Brain Research, 1993, 610, 194-198. | 2.2 | 106 |
| 10 | Blood-brain barrier disruption highly induces aquaporin-4 mRNA and protein in perivascular and parenchymal astrocytes: Protective effect by estradiol treatment in ovariectomized animals. Journal of Neuroscience Research, 2005, 80, 235-246. | 2.9 | 101 |
| 11 | Inflammatory process as a determinant factor for the degeneration of substantia nigra dopaminergic neurons. Journal of Neural Transmission, 2005, 112, 111-119. | 2.8 | 95 |
| 12 | Peripheral inflammation increases the deleterious effect of CNS inflammation on the nigrostriatal dopaminergic system. NeuroToxicology, 2012, 33, 347-360. | 3.0 | 87 |
| 13 | Low selenium diet increases the dopamine turnover in prefrontal cortex of the rat. Neurochemistry International, 1997, 30, 549-555. | 3.8 | 81 |
| 14 | Simvastatin prevents the inflammatory process and the dopaminergic degeneration induced by the intranigral injection of lipopolysaccharide. Journal of Neurochemistry, 2008, 105, 445-459. | 3.9 | 81 |
| 15 | Thrombin induces in vivo degeneration of nigral dopaminergic neurones along with the activation of microglia. Journal of Neurochemistry, 2003, 84, 1201-1214. | 3.9 | 75 |
| 16 | Metformin, besides exhibiting strong in vivo anti-inflammatory properties, increases mptp-induced damage to the nigrostriatal dopaminergic system. Toxicology and Applied Pharmacology, 2016, 298, 19-30. | 2.8 | 72 |
| 17 | The effect of experimental ischaemia and excitatory amino acid agonists on the GABA and serotonin immunoreactivities in the rabbit retina. Neuroscience, 1994, 59, 1071-1081. | 2.3 | 61 |
| 18 | Reformulating Pro-Oxidant Microglia in Neurodegeneration. Journal of Clinical Medicine, 2019, 8, 1719. | 2.4 | 47 |

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|----|--|------|-----------|
| 19 | Divergent Effects of Metformin on an Inflammatory Model of Parkinson's Disease. Frontiers in Cellular Neuroscience, 2018, 12, 440. | 3.7 | 43 |
| 20 | Differential regulation of glutamic acid decarboxylase mRNA and tyrosine hydroxylase mRNA expression in the aged manganese-treated rats. Molecular Brain Research, 2002, 103, 116-129. | 2.3 | 42 |
| 21 | Neuromelanin activates proinflammatory microglia through a caspase-8-dependent mechanism. Journal of Neuroinflammation, 2015, 12, 5. | 7.2 | 38 |
| 22 | Collateral Damage: Contribution of Peripheral Inflammation to Neurodegenerative Diseases. Current Topics in Medicinal Chemistry, 2015, 15, 2193-2210. | 2.1 | 37 |
| 23 | Relevance of chronic stress and the two faces of microglia in Parkinson's disease. Frontiers in Cellular Neuroscience, 2015, 9, 312. | 3.7 | 36 |
| 24 | Dopamineâ€dependent neurotoxicity of lipopolysaccharide in substantia nigra. FASEB Journal, 2005, 19, 1-22. | 0.5 | 35 |
| 25 | Peripheral Inflammation Increases the Damage in Animal Models of Nigrostriatal Dopaminergic Neurodegeneration: Possible Implication in Parkinson's Disease Incidence. Parkinson's Disease, 2011, 2011, 1-10. | 1.1 | 35 |
| 26 | Intracranial Injection of LPS in Rat as Animal Model of Neuroinflammation. Methods in Molecular Biology, 2013, 1041, 295-305. | 0.9 | 34 |
| 27 | Endogenous dopamine enhances the neurotoxicity of 3-nitropropionic acid in the striatum through the increase of mitochondrial respiratory inhibition and free radicals production. NeuroToxicology, 2007, 29, 244-58. | 3.0 | 30 |
| 28 | Chronic stress alters the expression levels of longevity-related genes in the rat hippocampus. Neurochemistry International, 2016, 97, 181-192. | 3.8 | 26 |
| 29 | Role of dopamine in the recruitment of immune cells to the nigro-striatal dopaminergic structures. NeuroToxicology, 2014, 41, 89-101. | 3.0 | 25 |
| 30 | Changes in neurotransmitter levels associated with the deficiency of some essential amino acids in the diet. British Journal of Nutrition, 1992, 68, 409-420. | 2.3 | 23 |
| 31 | The intranigral injection of tissue plasminogen activator induced blood–brain barrier disruption, inflammatory process and degeneration of the dopaminergic system of the rat. NeuroToxicology, 2009, 30, 403-413. | 3.0 | 21 |
| 32 | Potential Use of Nanomedicine for the Anti-inflammatory Treatment of Neurodegenerative Diseases. Current Pharmaceutical Design, 2018, 24, 1589-1616. | 1.9 | 21 |
| 33 | Degeneration of dopaminergic neurons induced by thrombin injection in the substantia nigra of the rat is enhanced by dexamethasone: Role of monoamine oxidase enzyme. NeuroToxicology, 2010, 31, 55-66. | 3.0 | 17 |
| 34 | Effects of a short period of vitamin E-deficient diet in the turnover of different neurotransmitters in substantia nigra and striatum of the rat. Neuroscience, 1993, 53, 179-185. | 2.3 | 16 |
| 35 | Language bias discredits the peer-review system. Nature, 1999, 397, 467-467. | 27.8 | 16 |
| 36 | Caspase-8 inhibition represses initial human monocyte activation in septic shock model. Oncotarget, 2016, 7, 37456-37470. | 1.8 | 16 |

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|----|--|-----|-----------|
| 37 | The intrastriatal injection of thrombin in rat induced a retrograde apoptotic degeneration of nigral dopaminergic neurons through synaptic elimination. Journal of Neurochemistry, 2008, 105, 750-762. | 3.9 | 12 |
| 38 | Ageing and monoamine turnover in the lateral geniculate nucleus and visual cortex of the rat. Neurochemistry International, 1993, 22, 531-539. | 3.8 | 11 |
| 39 | Inflammatory Animal Models of Parkinson's Disease. Journal of Parkinson's Disease, 2022, 12, S165-S182. | 2.8 | 9 |
| 40 | The influence of age on neurotransmitter turnover in the rat's superior colliculus. Neurobiology of Aging, 1991, 12, 289-294. | 3.1 | 7 |
| 41 | Neonatal enucleation alters catecholamine and serotonin metabolism in the lateral geniculate and visual cortex in developing rats. Neurochemistry International, 1990, 17, 415-424. | 3.8 | 6 |
| 42 | Effects of enucleation on postnatal development of catecholamines and serotonin metabolism in the superior colliculus of the rat. Brain Research, 1990, 523, 281-287. | 2.2 | 5 |
| 43 | Synergistic Deleterious Effect of Chronic Stress and Sodium Azide in the Mouse Hippocampus. Chemical Research in Toxicology, 2015, 28, 651-661. | 3.3 | 4 |
| 44 | Effects of neonatal bilateral eye enucleation on postnatal development of the monoamines in posterior thalamus of the rat. Journal of Neural Transmission, 1991, 85, 231-242. | 2.8 | 3 |
| 45 | Deprenyl enhances the striatal neuronal damage produced by quinolinic acid. Molecular Brain Research, 2005, 141, 48-57. | 2.3 | 2 |
| 46 | Immunohistochemical Detection of Microglia. Methods in Molecular Biology, 2013, 1041, 281-289. | 0.9 | 2 |