# George E Barreto

List of Publications by Year
in descending order



| 304 | 10,647 | 28526 | 57104 |
|---|---|---|---|
| papers | citations | 55 h-index | 83 g-index |

| 315 | 315 | 315 | 14723 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Astrocytic modulation of blood brain barrier: perspectives on ParkinsonÃ¢â‚¬â„¢s disease. Frontiers in Cellular Neuroscience, 2014, 8, 211. | 3.8 | 321 |
| 2 | Astrocytes: Targets for Neuroprotection in Stroke. Central Nervous System Agents in Medicinal Chemistry, 2011, 11, 164-173. | 1.1 | 257 |
| 3 | Effects of natural antioxidants in neurodegenerative disease. Nutritional Neuroscience, 2012, 15, 1-9. | 3.0 | 222 |
| 4 | The effect of fasting or calorie restriction on autophagy induction: A review of the literature. Ageing Research Reviews, 2018, 47, 183-197. | 11.1 | 189 |
| 5 | Increased Brain Injury and Worsened Neurological Outcome in Interleukin-4 Knockout Mice After Transient Focal Cerebral Ischemia. Stroke, 2011, 42, 2026-2032. | 4.9 | 182 |
| 6 | Astrocytic-neuronal crosstalk: Implications for neuroprotection from brain injury. Neuroscience Research, 2011, 71, 107-113. | 2.1 | 179 |
| 7 | Meta-analysis of Telomere Length in Alzheimerâ€™s Disease. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1069-1073. | 3.7 | 173 |
| 8 | Testosterone decreases reactive astroglia and reactive microglia after brain injury in male rats: role of its metabolites, oestradiol and dihydrotestosterone. European Journal of Neuroscience, 2007, 25, 3039-3046. | 3.4 | 156 |
| 9 | APOE and Alzheimerâ€™s Disease: Evidence Mounts that Targeting APOE4 may Combat Alzheimerâ€™s Pathogenesis. Molecular Neurobiology, 2019, 56, 2450-2465. | 4.1 | 140 |
| 10 | Inflammatory Mechanisms and Oxidative Stress as Key Factors Responsible for Progression of Neurodegeneration: Role of Brain Innate Immune System. CNS and Neurological Disorders - Drug Targets, 2016, 15, 329-336. | 1.4 | 138 |
| 11 | Neuroprotection from Stroke in the Absence of MHCI or PirB. Neuron, 2012, 73, 1100-1107. | 8.2 | 121 |
| 12 | Metabolic and Inflammatory Adaptation of Reactive Astrocytes: Role of PPARs. Molecular Neurobiology, 2017, 54, 2518-2538. | 4.1 | 114 |
| 13 | Macrophage plasticity, polarization and function in response to curcumin, a diet-derived polyphenol, as an immunomodulatory agent. Journal of Nutritional Biochemistry, 2019, 66, 1-16. | 4.3 | 112 |
| 14 | Autophagic dysfunction in Alzheimerâ€™s disease: Cellular and molecular mechanistic approaches to halt Alzheimerâ€™s pathogenesis. Journal of Cellular Physiology, 2019, 234, 8094-8112. | 4.2 | 111 |
| 15 | Protection after stroke: cellular effectors of neurovascular unit integrity. Frontiers in Cellular Neuroscience, 2014, 8, 231. | 3.8 | 108 |
| 16 | Sex differences in Parkinsonâ€™s disease: Features on clinical symptoms, treatment outcome, sexual hormones and genetics. Frontiers in Neuroendocrinology, 2018, 50, 18-30. | 5.3 | 106 |
| 17 | Astrocyte Proliferation Following Stroke in the Mouse Depends on Distance from the Infarct. PLoS ONE, 2011, 6, e27881. | 2.6 | 104 |
| 18 | PCSK9 and inflammation: a review of experimental and clinical evidence. European Heart Journal - Cardiovascular Pharmacotherapy, 2019, 5, 237-245. | 3.1 | 104 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Selective Estrogen Receptor Modulators Decrease Reactive Astrogliosis in the Injured Brain: Effects of Aging and Prolonged Depletion of Ovarian Hormones. Endocrinology, 2009, 150, 5010-5015. | 2.9 | 103 |
| 20 | Melatonin in Alzheimerâ€™s Disease: A Latent Endogenous Regulator of Neurogenesis to Mitigate Alzheimerâ€™s Neuropathology. Molecular Neurobiology, 2019, 56, 8255-8276. | 4.1 | 103 |
| 21 | Cellular and molecular mechanisms of antioxidants in Parkinson's disease. Nutritional Neuroscience, 2012, 15, 120-126. | 3.0 | 102 |
| 22 | Regulation of astroglia by gonadal steroid hormones under physiological and pathological conditions. Progress in Neurobiology, 2016, 144, 5-26. | 5.8 | 101 |
| 23 | Molecular Mechanisms of ER Stress and UPR in the Pathogenesis of Alzheimerâ€™s Disease. Molecular Neurobiology, 2020, 57, 2902-2919. | 4.1 | 101 |
| 24 | Effects of curcumin on mitochondria in neurodegenerative diseases. BioFactors, 2020, 46, 5-20. | 5.1 | 100 |
| 25 | Sleep Disorders Associated With Alzheimer's Disease: A Perspective. Frontiers in Neuroscience, 2018, 12, 330. | 2.9 | 99 |
| 26 | Circadian and sleep dysfunction in Alzheimerâ€™s disease. Ageing Research Reviews, 2020, 60, 101046. | 11.1 | 99 |
| 27 | The Role of Efferocytosis in Autoimmune Diseases. Frontiers in Immunology, 2018, 9, 1645. | 4.9 | 93 |
| 28 | <scp>C</scp>ell therapy for spinal cord injury with olfactory ensheathing glia cells (<scp>OEC</scp>s). Glia, 2018, 66, 1267-1301. | 5.2 | 89 |
| 29 | The Therapeutic Potential of Mesenchymal Stem Cellâ€“Derived Exosomes in Treatment of Neurodegenerative Diseases. Molecular Neurobiology, 2019, 56, 8157-8167. | 4.1 | 89 |
| 30 | Cholinesterase Inhibitors for Alzheimer's Disease: Multitargeting Strategy Based on Anti-Alzheimer's Drugs Repositioning. Current Pharmaceutical Design, 2019, 25, 3519-3535. | 1.9 | 88 |
| 31 | Nootropic and Anti-Alzheimerâ€™s Actions of Medicinal Plants: Molecular Insight into Therapeutic Potential to Alleviate Alzheimerâ€™s Neuropathology. Molecular Neurobiology, 2019, 56, 4925-4944. | 4.1 | 87 |
| 32 | Mitochondrial functions in astrocytes: Neuroprotective implications from oxidative damage by rotenone. Neuroscience Research, 2012, 74, 80-90. | 2.1 | 85 |
| 33 | Peptide based therapeutics and their use for the treatment of neurodegenerative and other diseases. Biomedicine and Pharmacotherapy, 2018, 103, 574-581. | 5.8 | 85 |
| 34 | qPCR-Based Methods for Expression Analysis of miRNAs. BioTechniques, 2019, 67, 192-199. | 1.7 | 85 |
| 35 | The role of catechols and free radicals in benzene toxicity: An oxidative DNA damage pathway. Environmental and Molecular Mutagenesis, 2009, 50, 771-780. | 1.9 | 84 |
| 36 | Molecular mechanisms and cellular events involved in the neuroprotective actions of estradiol. Analysis of sex differences. Frontiers in Neuroendocrinology, 2019, 55, 100787. | 5.3 | 84 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Beneficial effects of nicotine, cotinine and its metabolites as potential agents for ParkinsonÃ¢â‚¬â„¢s disease. Frontiers in Aging Neuroscience, 2014, 6, 340. | 3.5 | 83 |
| 38 | Estrogen Signaling in Alzheimerâ€™s Disease: Molecular Insights and Therapeutic Targets for Alzheimerâ€™s Dementia. Molecular Neurobiology, 2020, 57, 2654-2670. | 4.1 | 80 |
| 39 | Conjugates of Î³-Carbolines and Phenothiazine as new selective inhibitors of butyrylcholinesterase and blockers of NMDA receptors for Alzheimer Disease. Scientific Reports, 2015, 5, 13164. | 3.4 | 76 |
| 40 | RAGE-TLR Crosstalk Sustains Chronic Inflammation in Neurodegeneration. Molecular Neurobiology, 2018, 55, 1463-1476. | 4.1 | 75 |
| 41 | The cytochrome P450 isoenzyme and some new opportunities for the prediction of negative drug interaction in vivo. Drug Design, Development and Therapy, 2018, Volume 12, 1147-1156. | 4.3 | 75 |
| 42 | Neuroactive steroids, neurosteroidogenesis and sex. Progress in Neurobiology, 2019, 176, 1-17. | 5.8 | 75 |
| 43 | The effects of statins on microglial cells to protect against neurodegenerative disorders: A mechanistic review. BioFactors, 2020, 46, 309-325. | 5.1 | 75 |
| 44 | Protective Effects of Curcumin Against Ischemia-Reperfusion Injury in the Nervous System. Molecular Neurobiology, 2019, 56, 1391-1404. | 4.1 | 74 |
| 45 | Strategies for the Treatment of Parkinsonâ€™s Disease: Beyond Dopamine. Frontiers in Aging Neuroscience, 2020, 12, 4. | 3.5 | 74 |
| 46 | Trehalose as a promising therapeutic candidate for the treatment of Parkinson's disease. British Journal of Pharmacology, 2019, 176, 1173-1189. | 5.4 | 73 |
| 47 | Pharmacological approaches to mitigate neuroinflammation in Alzheimerâ€™s disease. International Immunopharmacology, 2020, 84, 106479. | 3.9 | 73 |
| 48 | Antioxidative potential of antidiabetic agents: A possible protective mechanism against vascular complications in diabetic patients. Journal of Cellular Physiology, 2019, 234, 2436-2446. | 4.2 | 71 |
| 49 | Hormetic effects of curcumin: What is the evidence?. Journal of Cellular Physiology, 2019, 234, 10060-10071. | 4.2 | 67 |
| 50 | Effects of Curcumin on Microglial Cells. Neurotoxicity Research, 2019, 36, 12-26. | 2.7 | 66 |
| 51 | Age-related Defects in Sensorimotor Activity, Spatial Learning, and Memory in C57BL/6 Mice. Journal of Neurosurgical Anesthesiology, 2010, 22, 214-219. | 1.3 | 64 |
| 52 | Impact of sex differences and gender specificity on behavioral characteristics and pathophysiology of neurodegenerative disorders. Neuroscience and Biobehavioral Reviews, 2019, 102, 95-105. | 6.6 | 64 |
| 53 | Alterations in Glucose Metabolism on Cognition: A Possible Link Between Diabetes and Dementia. Current Pharmaceutical Design, 2016, 22, 812-818. | 1.9 | 60 |
| 54 | Tibolone protects astrocytic cells from glucose deprivation through a mechanism involving estrogen receptor beta and the upregulation of neuroglobin expression. Molecular and Cellular Endocrinology, 2016, 433, 35-46. | 3.3 | 60 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | NLRP3 inflammasome as a treatment target in atherosclerosis: A focus on statin therapy. International Immunopharmacology, 2019, 73, 146-155. | 3.9 | 60 |
| 56 | Cytoprotective Effect of Valeriana officinalis Extract on an In Vitro Experimental Model of Parkinson Disease. Neurochemical Research, 2009, 34, 215-220. | 3.3 | 59 |
| 57 | Selective estrogen receptor modulators regulate reactive microglia after penetrating brain injury. Frontiers in Aging Neuroscience, 2014, 6, 132. | 3.5 | 59 |
| 58 | Lipid-based nanoformulations in the treatment of neurological disorders. Drug Metabolism Reviews, 2020, 52, 185-204. | 3.6 | 59 |
| 59 | NMDARs in neurological diseases: a potential therapeutic target. International Journal of Neuroscience, 2015, 125, 315-327. | 1.7 | 56 |
| 60 | Mild cognitive impairment due to Alzheimer disease: Contemporary approaches to diagnostics and pharmacological intervention. Pharmacological Research, 2018, 129, 216-226. | 7.2 | 56 |
| 61 | Tibolone protects T98G cells from glucose deprivation. Journal of Steroid Biochemistry and Molecular Biology, 2014, 144, 294-303. | 2.6 | 54 |
| 62 | Novel conjugates of aminoadamantanes with carbazole derivatives as potential multitarget agents for AD treatment. Scientific Reports, 2017, 7, 45627. | 3.4 | 54 |
| 63 | Effects of heat shock protein 72 (Hsp72) on evolution of astrocyte activation following stroke in the mouse. Experimental Neurology, 2012, 238, 284-296. | 4.1 | 53 |
| 64 | Testosterone Protects Mitochondrial Function and Regulates Neuroglobin Expression in Astrocytic Cells Exposed to Glucose Deprivation. Frontiers in Aging Neuroscience, 2016, 8, 152. | 3.5 | 53 |
| 65 | Protection by Neuroglobin Expression in Brain Pathologies. Frontiers in Neurology, 2016, 7, 146. | 2.5 | 53 |
| 66 | Gliomas: New Perspectives in Diagnosis, Treatment and Prognosis. Current Topics in Medicinal Chemistry, 2017, 17, 1438-1447. | 2.0 | 53 |
| 67 | Paracrine factors of human mesenchymal stem cells increase wound closure and reduce reactive oxygen species production in a traumatic brain injury in vitro model. Human and Experimental Toxicology, 2014, 33, 673-684. | 2.2 | 52 |
| 68 | Tibolone Reduces Oxidative Damage and Inflammation in Microglia Stimulated with Palmitic Acid through Mechanisms Involving Estrogen Receptor Beta. Molecular Neurobiology, 2018, 55, 5462-5477. | 4.1 | 52 |
| 69 | Secretome of Mesenchymal Stem Cells and Its Potential Protective Effects on Brain Pathologies. Molecular Neurobiology, 2019, 56, 6902-6927. | 4.1 | 52 |
| 70 | Neuroprotective effects of curcumin through autophagy modulation. IUBMB Life, 2020, 72, 652-664. | 3.4 | 52 |
| 71 | Telomere length in Parkinson's disease: A meta-analysis. Experimental Gerontology, 2016, 75, 53-55. | 2.9 | 51 |
| 72 | Protective effects of curcumin against ischemia-reperfusion injury in the liver. Pharmacological Research, 2019, 141, 53-62. | 7.2 | 51 |

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| 73 | Curcumin: a phytochemical modulator of estrogens and androgens in tumors of the reproductive system. Pharmacological Research, 2020, 156, 104765. | 7.2 | 51 |
| 74 | Neuroprotective effects of minocycline on focal cerebral ischemia injury: a systematic review. Neural Regeneration Research, 2020, 15, 773. | 3.0 | 51 |
| 75 | Relationship Between Obesity, Alzheimerâ€™s Disease, and Parkinsonâ€™s Disease: an Astrocentric View. Molecular Neurobiology, 2017, 54, 7096-7115. | 4.1 | 50 |
| 76 | Prevalence, pathological mechanisms, and genetic basis of limbâ€girdle muscular dystrophies: A review. Journal of Cellular Physiology, 2019, 234, 7874-7884. | 4.2 | 50 |
| 77 | Neuroprotection by curcumin: A review on brain delivery strategies. International Journal of Pharmaceutics, 2020, 585, 119476. | 5.3 | 48 |
| 78 | Revisiting the role of brain and peripheral AÎ² in the pathogenesis of Alzheimer's disease. Journal of the Neurological Sciences, 2020, 416, 116974. | 0.6 | 48 |
| 79 | Curcumin as a therapeutic candidate for multiple sclerosis: Molecular mechanisms and targets. Journal of Cellular Physiology, 2019, 234, 12237-12248. | 4.2 | 46 |
| 80 | Curcumin as a therapeutic agent in leukemia. Journal of Cellular Physiology, 2019, 234, 12404-12414. | 4.2 | 45 |
| 81 | Heat Shock Protein 72 Overexpression Prevents Early Postoperative Memory Decline after Orthopedic Surgery under General Anesthesia in Mice. Anesthesiology, 2011, 114, 891-900. | 2.3 | 45 |
| 82 | Astrocytes and endoplasmic reticulum stress: A bridge between obesity and neurodegenerative diseases. Progress in Neurobiology, 2017, 158, 45-68. | 5.8 | 43 |
| 83 | The Synergistic Effect of Raloxifene, Fluoxetine, and Bromocriptine Protects Against Pilocarpine-Induced Status Epilepticus and Temporal Lobe Epilepsy. Molecular Neurobiology, 2019, 56, 1233-1247. | 4.1 | 43 |
| 84 | Longâ€lasting effects of perinatal asphyxia on exploration, memory and incentive downshift. International Journal of Developmental Neuroscience, 2011, 29, 609-619. | 1.6 | 42 |
| 85 | A review of the pharmacological and therapeutic effects of auraptene. BioFactors, 2019, 45, 867-879. | 5.1 | 42 |
| 86 | Carbon nanomaterials and amyloid-beta interactions: potentials for the detection and treatment of Alzheimer's disease?. Pharmacological Research, 2019, 143, 186-203. | 7.2 | 42 |
| 87 | Protein ubiquitination in postsynaptic densities after hypoxia in rat neostriatum is blocked by hypothermia. Experimental Neurology, 2009, 219, 404-413. | 4.1 | 41 |
| 88 | Antidiabetic potential of saffron and its active constituents. Journal of Cellular Physiology, 2019, 234, 8610-8617. | 4.2 | 41 |
| 89 | Nanotechnology for Alzheimer Disease. Current Alzheimer Research, 2017, 14, 1182-1189. | 1.5 | 41 |
| 90 | Multifarious roles of <scp>mTOR</scp> signaling in cognitive aging and cerebrovascular dysfunction of Alzheimer's disease. IUBMB Life, 2020, 72, 1843-1855. | 3.4 | 40 |

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|---|---|---|---|
| 91 | Effects of curcumin on neurological diseases: focus on astrocytes. Pharmacological Reports, 2020, 72, 769-782. | 3.4 | 40 |
| 92 | Ginkgo biloba as an Alternative Medicine in the Treatment of Anxiety in Dementia and other Psychiatric Disorders. Current Drug Metabolism, 2017, 18, 112-119. | 1.1 | 40 |
| 93 | Antitumor effects of curcumin: A lipid perspective. Journal of Cellular Physiology, 2019, 234, 14743-14758. | 4.2 | 39 |
| 94 | Paullinia cupana Mart. var. Sorbilis protects human dopaminergic neuroblastoma SH-SY5Y cell line against rotenone-induced cytotoxicity. Human and Experimental Toxicology, 2011, 30, 1382-1391. | 2.2 | 38 |
| 95 | L-Type Calcium Channels Modulation by Estradiol. Molecular Neurobiology, 2017, 54, 4996-5007. | 4.1 | 38 |
| 96 | Trehalose against Alzheimer's Disease: Insights into a Potential Therapy. BioEssays, 2020, 42, e1900195. | 2.5 | 38 |
| 97 | A Literature Review of Traumatic Brain Injury Biomarkers. Molecular Neurobiology, 2022, 59, 4141-4158. | 4.1 | 38 |
| 98 | Medicinal Plants as Protective Strategies Against Parkinson's Disease. Current Pharmaceutical Design, 2017, 23, 4180-4188. | 1.9 | 37 |
| 99 | Cortical spreading depression in traumatic brain injuries: Is there a role for astrocytes?. Neuroscience Letters, 2014, 565, 2-6. | 2.1 | 36 |
| 100 | Tibolone attenuates inflammatory response by palmitic acid and preserves mitochondrial membrane potential in astrocytic cells through estrogen receptor beta. Molecular and Cellular Endocrinology, 2019, 486, 65-78. | 3.3 | 36 |
| 101 | PDGF-BB Protects Mitochondria from Rotenone in T98G Cells. Neurotoxicity Research, 2015, 27, 355-367. | 2.7 | 35 |
| 102 | Growth Factors and Neuroglobin in Astrocyte Protection Against Neurodegeneration and Oxidative Stress. Molecular Neurobiology, 2019, 56, 2339-2351. | 4.1 | 35 |
| 103 | Chitosanâ€based delivery systems for curcumin: A review of pharmacodynamic and pharmacokinetic aspects. Journal of Cellular Physiology, 2019, 234, 12325-12340. | 4.2 | 35 |
| 104 | Targeting the Nicotinic Acetylcholine Receptors (nAChRs) in Astrocytes as a Potential Therapeutic Target in Parkinson's Disease. Current Pharmaceutical Design, 2016, 22, 1305-1311. | 1.9 | 35 |
| 105 | Blockade of Neuroglobin Reduces Protection of Conditioned Medium from Human Mesenchymal Stem Cells in Human Astrocyte Model (T98G) Under a Scratch Assay. Molecular Neurobiology, 2018, 55, 2285-2300. | 4.1 | 34 |
| 106 | Role of neuroinflammation and sex hormones in war-related PTSD. Molecular and Cellular Endocrinology, 2016, 434, 266-277. | 3.3 | 33 |
| 107 | PDGF-BB Preserves Mitochondrial Morphology, Attenuates ROS Production, and Upregulates Neuroglobin in an Astrocytic Model Under Rotenone Insult. Molecular Neurobiology, 2018, 55, 3085-3095. | 4.1 | 33 |
| 108 | Inhibiting Effect of Zinc Oxide Nanoparticles on Advanced Glycation Products and Oxidative Modifications: a Potential Tool to Counteract Oxidative Stress in Neurodegenerative Diseases. Molecular Neurobiology, 2018, 55, 7438-7452. | 4.1 | 32 |

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|---|---|---|---|
| 109 | Molecular mechanisms involved in the protective actions of Selective Estrogen Receptor Modulators in brain cells. Frontiers in Neuroendocrinology, 2019, 52, 44-64. | 5.3 | 32 |
| 110 | Anthocyanins: Multi-Target Agents for Prevention and Therapy of Chronic Diseases. Current Pharmaceutical Design, 2018, 23, 6321-6346. | 1.9 | 32 |
| 111 | Growth Factors and Astrocytes Metabolism: Possible Roles for Platelet Derived Growth Factor. Medicinal Chemistry, 2016, 12, 204-210. | 1.5 | 32 |
| 112 | Selective activation of protein kinase CâˆŠ in mitochondria is neuroprotective in vitro and reduces focal ischemic brain injury in mice. Journal of Neuroscience Research, 2013, 91, 799-807. | 3.0 | 31 |
| 113 | Gold nanoparticles: A plausible tool to combat neurological bacterial infections in humans. Biomedicine and Pharmacotherapy, 2018, 107, 7-18. | 5.8 | 31 |
| 114 | The Synthetic Steroid Tibolone Decreases Reactive Gliosis and Neuronal Death in the Cerebral Cortex of Female Mice After a Stab Wound Injury. Molecular Neurobiology, 2018, 55, 8651-8667. | 4.1 | 30 |
| 115 | Astrocytes Mediate Protective Actions of Estrogenic Compounds after Traumatic Brain Injury. Neuroendocrinology, 2019, 108, 142-160. | 2.4 | 30 |
| 116 | Neuroprotective effects of the catalytic subunit of telomerase: A potential therapeutic target in the central nervous system. Ageing Research Reviews, 2016, 28, 37-45. | 11.1 | 29 |
| 117 | Emerging roles for highâ€density lipoproteins in neurodegenerative disorders. BioFactors, 2019, 45, 725-739. | 5.1 | 29 |
| 118 | Therapeutic potential of trehalose in neurodegenerative diseases: the knowns and unknowns. Neural Regeneration Research, 2021, 16, 2026. | 3.0 | 29 |
| 119 | Novel interactions of GRP78: UPR and estrogen responses in the brain. Cell Biology International, 2013, 37, 521-532. | 3.0 | 28 |
| 120 | Cotinine improves visual recognition memory and decreases cortical Tau phosphorylation in the Tg6799 mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 78, 75-81. | 5.0 | 28 |
| 121 | Antiâ€inflammatory effects of resolvins in diabetic nephropathy: Mechanistic pathways. Journal of Cellular Physiology, 2019, 234, 14873-14882. | 4.2 | 28 |
| 122 | Cellular and Molecular Aspects of Parkinson Treatment: Future Therapeutic Perspectives. Molecular Neurobiology, 2019, 56, 4799-4811. | 4.1 | 28 |
| 123 | Neuroinflammation: A Therapeutic Target of Cotinine for the Treatment of Psychiatric Disorders?. Current Pharmaceutical Design, 2016, 22, 1324-1333. | 1.9 | 28 |
| 124 | Is VEGF a Key Target of Cotinine and Other Potential Therapies Against Alzheimer Disease?. Current Alzheimer Research, 2017, 14, 1155-1163. | 1.5 | 28 |
| 125 | Implication of Green Tea as a Possible Therapeutic Approach for Parkinson Disease. CNS and Neurological Disorders - Drug Targets, 2016, 15, 292-300. | 1.4 | 28 |
| 126 | SUR1 Receptor Interaction with Hesperidin and Linarin Predicts Possible Mechanisms of Action of Valeriana officinalis in Parkinson. Frontiers in Aging Neuroscience, 2016, 8, 97. | 3.5 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Medicinal plants in traumatic brain injury: Neuroprotective mechanisms revisited. BioFactors, 2019, 45, 517-535. | 5.1 | 27 |
| 128 | Dual role of astrocytes in perinatal asphyxia injury and neuroprotection. Neuroscience Letters, 2014, 565, 42-46. | 2.1 | 26 |
| 129 | Are Sleep Disturbances Preclinical Markers of Parkinsonâ€™s Disease?. Neurochemical Research, 2015, 40, 421-427. | 3.3 | 26 |
| 130 | Genome-Scale Reconstruction of the Human Astrocyte Metabolic Network. Frontiers in Aging Neuroscience, 2017, 9, 23. | 3.5 | 26 |
| 131 | Role of GTPases in the Regulation of Mitochondrial Dynamics in Alzheimerâ€™s Disease and CNS-Related Disorders. Molecular Neurobiology, 2019, 56, 4530-4538. | 4.1 | 26 |
| 132 | Implications of farnesyltransferase and its inhibitors as a promising strategy for cancer therapy. Seminars in Cancer Biology, 2019, 56, 128-134. | 9.6 | 26 |
| 133 | Raloxifene potentiates the effect of fluoxetine against maximal electroshock induced seizures in mice. European Journal of Pharmaceutical Sciences, 2020, 146, 105261. | 4.1 | 26 |
| 134 | The Innate Immunity in Alzheimer Disease- Relevance to Pathogenesis and Therapy. Current Pharmaceutical Design, 2015, 21, 3582-3588. | 1.9 | 26 |
| 135 | Effects of the extract of Anemopaegma mirandum (Catuaba) on Rotenone-induced apoptosis in human neuroblastomas SH-SY5Y cells. Brain Research, 2008, 1198, 188-196. | 2.3 | 25 |
| 136 | Systems biology study of mucopolysaccharidosis using a human metabolic reconstruction network. Molecular Genetics and Metabolism, 2016, 117, 129-139. | 2.1 | 25 |
| 137 | Intranasal cotinine improves memory, and reduces depressive-like behavior, and GFAP + cells loss induced by restraint stress in mice. Experimental Neurology, 2017, 295, 211-221. | 4.1 | 24 |
| 138 | Metabolic effects of antidiabetic drugs on adipocytes and adipokine expression. Journal of Cellular Physiology, 2019, 234, 16987-16997. | 4.2 | 24 |
| 139 | Resolution of Inflammation in Neurodegenerative Diseases: The Role of Resolvins. Mediators of Inflammation, 2020, 2020, 1-10. | 3.1 | 24 |
| 140 | Apoptotic neurons and amyloid-beta clearance by phagocytosis in Alzheimer's disease: Pathological mechanisms and therapeutic outlooks. European Journal of Pharmacology, 2021, 895, 173873. | 3.6 | 24 |
| 141 | Curcumin: A small molecule with big functionality against amyloid aggregation in neurodegenerative diseases and type 2 diabetes. BioFactors, 2021, 47, 570-586. | 5.1 | 24 |
| 142 | Increased calcium influx triggers and accelerates cortical spreading depression in vivo in male adult rats. Neuroscience Letters, 2014, 558, 87-90. | 2.1 | 23 |
| 143 | Conditioned Medium of Human Adipose Mesenchymal Stem Cells Increases Wound Closure and Protects Human Astrocytes Following Scratch Assay In Vitro. Molecular Neurobiology, 2018, 55, 5377-5392. | 4.1 | 23 |
| 144 | Metabolic Abnormalities of Erythrocytes as a Risk Factor for Alzheimer's Disease. Frontiers in Neuroscience, 2017, 11, 728. | 2.9 | 23 |

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|---|---|---|---|
| 145 | Endothelial PPARÎ³ Is Crucial for Averting Age-Related Vascular Dysfunction by Stalling Oxidative Stress and ROCK. Neurotoxicity Research, 2019, 36, 583-601. | 2.7 | 23 |
| 146 | Lipotoxicity, neuroinflammation, glial cells and oestrogenic compounds. Journal of Neuroendocrinology, 2020, 32, e12776. | 2.7 | 23 |
| 147 | Nicotine-Derived Compounds as Therapeutic Tools Against Post-Traumatic Stress Disorder. Current Pharmaceutical Design, 2015, 21, 3589-3595. | 1.9 | 23 |
| 148 | Phytochemicals as inhibitors of tumor necrosis factor alpha and neuroinflammatory responses in neurodegenerative diseases. Neural Regeneration Research, 2022, 17, 1675. | 3.0 | 23 |
| 149 | Fatty Acids: An Insight into the Pathogenesis of Neurodegenerative Diseases and Therapeutic Potential. International Journal of Molecular Sciences, 2022, 23, 2577. | 4.2 | 23 |
| 150 | Hippocampal Dendritic Spines Modifications Induced by Perinatal Asphyxia. Neural Plasticity, 2012, 2012, 1-10. | 2.2 | 22 |
| 151 | Tibolone as Hormonal Therapy and Neuroprotective Agent. Trends in Endocrinology and Metabolism, 2020, 31, 742-759. | 5.6 | 22 |
| 152 | Heat shock protein 72 (Hsp72) improves long term recovery after focal cerebral ischemia in mice. Neuroscience Letters, 2011, 488, 279-282. | 2.1 | 21 |
| 153 | Tibolone Preserves Mitochondrial Functionality and Cell Morphology in Astrocytic Cells Treated with Palmitic Acid. Molecular Neurobiology, 2018, 55, 4453-4462. | 4.1 | 21 |
| 154 | Modulatory effects of curcumin on heat shock proteins in cancer: A promising therapeutic approach. BioFactors, 2019, 45, 631-640. | 5.1 | 21 |
| 155 | Incidence of adverse events associated with percutaneous muscular biopsy among healthy and diseased subjects. Scandinavian Journal of Medicine and Science in Sports, 2012, 22, 175-178. | 2.9 | 20 |
| 156 | Ionic gradient liposomes: Recent advances in the stable entrapment and prolonged released of local anesthetics and anticancer drugs. Biomedicine and Pharmacotherapy, 2018, 107, 34-43. | 5.8 | 20 |
| 157 | The role of nuclear factors as â€œFind-Meâ€ alarmin signals and immunostimulation in defective efferocytosis and related disorders. International Immunopharmacology, 2020, 80, 106134. | 3.9 | 20 |
| 158 | Neural Stem Cell-Based Therapies and Glioblastoma Management: Current Evidence and Clinical Challenges. International Journal of Molecular Sciences, 2021, 22, 2258. | 4.2 | 20 |
| 159 | The complex roles of efferocytosis in cancer development, metastasis, and treatment. Biomedicine and Pharmacotherapy, 2021, 140, 111776. | 5.8 | 20 |
| 160 | Portacaval shunting causes differential mitochondrial superoxide production in brain regions. Free Radical Biology and Medicine, 2017, 113, 109-118. | 4.5 | 19 |
| 161 | Intranasal Cotinine Plus Krill Oil Facilitates Fear Extinction, Decreases Depressive-Like Behavior, and Increases Hippocampal Calcineurin A Levels in Mice. Molecular Neurobiology, 2018, 55, 7949-7960. | 4.1 | 19 |
| 162 | Extracts of Physalis peruviana Protect Astrocytic Cells Under Oxidative Stress With Rotenone. Frontiers in Chemistry, 2018, 6, 276. | 3.7 | 19 |

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|---|---|---|---|
| 163 | Glial Modulation by N-acylethanolamides in Brain Injury and Neurodegeneration. Frontiers in Aging Neuroscience, 2016, 8, 81. | 3.5 | 18 |
| 164 | Mitochondrial Neuroglobin Is Necessary for Protection Induced by Conditioned Medium from Human Adipose-Derived Mesenchymal Stem Cells in Astrocytic Cells Subjected to Scratch and Metabolic Injury. Molecular Neurobiology, 2019, 56, 5167-5187. | 4.1 | 18 |
| 165 | Scientific productivity in neurosciences in Latin America: a scientometrics perspective. International Journal of Neuroscience, 2020, 130, 398-406. | 1.7 | 18 |
| 166 | Vitamin D receptor genetic polymorphisms and the risk of multiple sclerosis: A systematic review and meta-analysis. Steroids, 2020, 158, 108615. | 1.8 | 18 |
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