

Cláudia Maria Pereira

List of Publications by Year in descending order

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90
papers

4,693
citations

87888

38
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98798

67
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96
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96
docs citations

96
times ranked

6509
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Brain oxidative stress in a triple-transgenic mouse model of Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2008, 44, 2051-2057. | 2.9 | 304 |
| 2 | Neurotoxic effect of oligomeric and fibrillar species of amyloid-beta peptide 1-42: Involvement of endoplasmic reticulum calcium release in oligomer-induced cell death. <i>Neuroscience</i> , 2008, 155, 725-737. | 2.3 | 209 |
| 3 | The release of calcium from the endoplasmic reticulum induced by amyloid-beta and prion peptides activates the mitochondrial apoptotic pathway. <i>Neurobiology of Disease</i> , 2008, 30, 331-342. | 4.4 | 191 |
| 4 | An endoplasmic-reticulum-specific apoptotic pathway is involved in prion and amyloid-beta peptides neurotoxicity. <i>Neurobiology of Disease</i> , 2006, 23, 669-678. | 4.4 | 190 |
| 5 | Multiple Defects in Energy Metabolism in Alzheimers Disease. <i>Current Drug Targets</i> , 2010, 11, 1193-1206. | 2.1 | 166 |
| 6 | Involvement of Oxidative Stress on the Impairment of Energy Metabolism Induced by A β Peptides on PC12 Cells: Protection by Antioxidants. <i>Neurobiology of Disease</i> , 1999, 6, 209-219. | 4.4 | 151 |
| 7 | Oxidative glutamate toxicity involves mitochondrial dysfunction and perturbation of intracellular Ca $^{2+}$ homeostasis. <i>Neuroscience Research</i> , 2000, 37, 227-236. | 1.9 | 145 |
| 8 | Involvement of endoplasmic reticulum Ca $^{2+}$ release through ryanodine and inositol 1,4,5-triphosphate receptors in the neurotoxic effects induced by the amyloid- β peptide. <i>Journal of Neuroscience Research</i> , 2004, 76, 872-880. | 2.9 | 145 |
| 9 | Oxidative stress involving changes in Nrf2 and ER stress in early stages of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1428-1441. | 3.8 | 137 |
| 10 | ER stress is involved in A β -induced GSK β activation and tau phosphorylation. <i>Journal of Neuroscience Research</i> , 2008, 86, 2091-2099. | 2.9 | 128 |
| 11 | Highlights in BACE1 Inhibitors for Alzheimer's Disease Treatment. <i>Frontiers in Chemistry</i> , 2018, 6, 178. | 3.6 | 126 |
| 12 | Mitochondrial function is differentially affected upon oxidative stress. <i>Free Radical Biology and Medicine</i> , 1999, 26, 3-13. | 2.9 | 122 |
| 13 | Mitochondrial- and Endoplasmic Reticulum-Associated Oxidative Stress in Alzheimer's Disease: From Pathogenesis to Biomarkers. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-23. | 2.5 | 120 |
| 14 | Mitochondrial function impairment induced by amyloid β -peptide on PC12 cells. <i>NeuroReport</i> , 1998, 9, 1749-1755. | 1.2 | 111 |
| 15 | Glutamate Toxicity on a PC12 Cell Line Involves Glutathione (GSH) Depletion and Oxidative Stress. <i>Free Radical Biology and Medicine</i> , 1997, 23, 637-647. | 2.9 | 107 |
| 16 | Alzheimers Disease-Associated Neurotoxic Mechanisms and Neuroprotective Strategies. <i>CNS and Neurological Disorders</i> , 2005, 4, 383-403. | 4.3 | 106 |
| 17 | Activation of the endoplasmic reticulum stress response by the amyloid-beta 1-40 peptide in brain endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 2191-2203. | 3.8 | 103 |
| 18 | Endoplasmic reticulum stress occurs downstream of GluN2B subunit of NMDA receptor in mature hippocampal cultures treated with amyloid β oligomers. <i>Aging Cell</i> , 2012, 11, 823-833. | 6.7 | 100 |

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|----|---|------|-----------|
| 19 | The role of endoplasmic reticulum in amyloid precursor protein processing and trafficking: Implications for Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1444-1453. | 3.8 | 95 |
| 20 | Cholesterol and statins in Alzheimer's disease: Current controversies. <i>Experimental Neurology</i> , 2010, 223, 282-293. | 4.1 | 94 |
| 21 | Susceptibility of hippocampal neurons to A β peptide toxicity is associated with perturbation of Ca $^{2+}$ homeostasis. <i>Brain Research</i> , 2007, 1143, 11-21. | 2.2 | 86 |
| 22 | Epigenetics in neurodegeneration: A new layer of complexity. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 348-355. | 4.8 | 84 |
| 23 | Cell Degeneration Induced by Amyloid- β Peptides: Implications for Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2004, 23, 097-104. | 2.3 | 81 |
| 24 | A β and NMDAR activation cause mitochondrial dysfunction involving ER calcium release. <i>Neurobiology of Aging</i> , 2015, 36, 680-692. | 3.1 | 74 |
| 25 | Epigenetic regulation of BACE1 in Alzheimer's disease patients and in transgenic mice. <i>Neuroscience</i> , 2012, 220, 256-266. | 2.3 | 73 |
| 26 | Amyloid β -induced ER stress is enhanced under mitochondrial dysfunction conditions. <i>Neurobiology of Aging</i> , 2012, 33, 824.e5-824.e16. | 3.1 | 72 |
| 27 | Is Alzheimer's disease an inflammasomopathy?. <i>Ageing Research Reviews</i> , 2019, 56, 100966. | 10.9 | 67 |
| 28 | The Protective Effect of Vitamin E, Idebenone and Reduced Glutathione on Free Radical Mediated Injury in Rat Brain Synaptosomes. <i>Biochemical and Biophysical Research Communications</i> , 1998, 246, 703-710. | 2.1 | 58 |
| 29 | ER Stress-Mediated Apoptotic Pathway Induced by A β Peptide Requires the Presence of Functional Mitochondria. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 625-636. | 2.6 | 58 |
| 30 | Involvement of mitochondria in endoplasmic reticulum stress-induced apoptotic cell death pathway triggered by the prion peptide PrP Sc . <i>Journal of Neurochemistry</i> , 2008, 104, 766-776. | 3.9 | 49 |
| 31 | Neurodegenerative Pathways in Parkinsons Disease: Therapeutic Strategies. <i>CNS and Neurological Disorders</i> , 2005, 4, 405-419. | 4.3 | 48 |
| 32 | Protective Effect of Leptin and Ghrelin against Toxicity Induced by Amyloid- β Oligomers in a Hypothalamic cell Line. <i>Journal of Neuroendocrinology</i> , 2014, 26, 176-185. | 2.6 | 46 |
| 33 | Alzheimer's Disease-Related Misfolded Proteins and Dysfunctional Organelles on Autophagy Menu. <i>DNA and Cell Biology</i> , 2015, 34, 261-273. | 1.9 | 46 |
| 34 | Amyloid-Beta Disrupts Calcium and Redox Homeostasis in Brain Endothelial Cells. <i>Molecular Neurobiology</i> , 2015, 51, 610-622. | 4.0 | 46 |
| 35 | Leptin and ghrelin prevent hippocampal dysfunction induced by A β oligomers. <i>Neuroscience</i> , 2013, 241, 41-51. | 2.3 | 45 |
| 36 | Contribution of plasma membrane and endoplasmic reticulum Ca $^{2+}$ -ATPases to the synaptosomal [Ca $^{2+}$] $_i$ increase during oxidative stress. <i>Brain Research</i> , 1996, 713, 269-277. | 2.2 | 42 |

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|----|--|-----|-----------|
| 37 | Effect of Zinc Ions on the Cytotoxicity Induced by the Amyloid β -Peptide. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 317-325. | 5.4 | 42 |
| 38 | ER-mediated stress induces mitochondrial-dependent caspases activation in NT2 neuron-like cells. <i>BMB Reports</i> , 2009, 42, 719-724. | 2.4 | 39 |
| 39 | Bcl-2 Overexpression Protects Against Amyloid-Beta and Prion Toxicity in GT1-7 Neural Cells. <i>Journal of Alzheimer's Disease</i> , 2007, 12, 223-228. | 2.6 | 36 |
| 40 | Mitochondrial control of autophagic lysosomal pathway in Alzheimer's disease. <i>Experimental Neurology</i> , 2010, 223, 294-298. | 4.1 | 36 |
| 41 | Mitochondria as a Therapeutic Target in Alzheimers Disease and Diabetes. <i>CNS and Neurological Disorders - Drug Targets</i> , 2009, 8, 492-511. | 1.4 | 34 |
| 42 | Protective effect of zinc on amyloid- β 25-35 and 1-40 mediated toxicity. <i>Neurotoxicity Research</i> , 2005, 7, 273-281. | 2.7 | 33 |
| 43 | Antioxidant properties of sterilized yacon (<i>Smallanthus sonchifolius</i>) tuber flour. <i>Food Chemistry</i> , 2015, 188, 504-509. | 8.2 | 33 |
| 44 | Phosphatase 2A Inhibition Affects Endoplasmic Reticulum and Mitochondria Homeostasis Via Cytoskeletal Alterations in Brain Endothelial Cells. <i>Molecular Neurobiology</i> , 2017, 54, 154-168. | 4.0 | 31 |
| 45 | Amyloid-Beta Peptide 1-42 Causes Microtubule Deregulation through N-methyl-D-aspartate Receptors in Mature Hippocampal Cultures. <i>Current Alzheimer Research</i> , 2012, 9, 844-856. | 1.4 | 30 |
| 46 | Loss of proteostasis induced by amyloid beta peptide in brain endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 1150-1161. | 4.1 | 30 |
| 47 | Inhibition of mitochondrial cytochrome c oxidase potentiates β -induced ER stress and cell death in cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2013, 52, 1-8. | 2.2 | 29 |
| 48 | Aeroallergens sensitization in an allergic paediatric population of Cova da Beira, Portugal. <i>Allergologia Et Immunopathologia</i> , 2005, 33, 192-198. | 1.7 | 27 |
| 49 | Structural and Functional Alterations in Mitochondria-Associated Membranes (MAMs) and in Mitochondria Activate Stress Response Mechanisms in an In Vitro Model of Alzheimer's Disease. <i>Biomedicines</i> , 2021, 9, 881. | 3.2 | 26 |
| 50 | Alzheimer's Disease: The Quest to Understand Complexity. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 373-383. | 2.6 | 25 |
| 51 | Effect of β -Synuclein on Amyloid β -Induced Toxicity: Relevance to Lewy Body Variant of Alzheimer Disease. <i>Neurochemical Research</i> , 2013, 38, 797-806. | 3.3 | 25 |
| 52 | Metabolic inhibition increases glutamate susceptibility on a PC12 cell line. , 1998, 51, 360-370. | | 23 |
| 53 | Modulation of Endoplasmic Reticulum Stress: An Opportunity to Prevent Neurodegeneration?. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 518-533. | 1.4 | 23 |
| 54 | Chemical Composition and Effect against Skin Alterations of Bioactive Extracts Obtained by the Hydrodistillation of Eucalyptus globulus Leaves. <i>Pharmaceutics</i> , 2022, 14, 561. | 4.5 | 23 |

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|----|---|-----|-----------|
| 55 | Mitochondria, endoplasmic reticulum and innate immune dysfunction in mood disorders: Do Mitochondria-Associated Membranes (MAMs) play a role?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165752. | 3.8 | 22 |
| 56 | Neuroprotective Effects of Statins in an In Vitro Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 503-517. | 2.6 | 21 |
| 57 | Enhanced Amyloidogenic Processing of Amyloid Precursor Protein and Cell Death Under Prolonged Endoplasmic Reticulum Stress in Brain Endothelial Cells. <i>Molecular Neurobiology</i> , 2015, 51, 571-590. | 4.0 | 21 |
| 58 | Vinpocetine attenuates the metabolic dysfunction induced by amyloid β -peptides in PC12 cells. <i>Free Radical Research</i> , 2000, 33, 497-506. | 3.3 | 20 |
| 59 | ER-mitochondria communication is involved in NLRP3 inflammasome activation under stress conditions in the innate immune system. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 213. | 5.4 | 20 |
| 60 | <i>Daucus carota</i> subsp. <i>gummifer</i> essential oil as a natural source of antifungal and anti-inflammatory drugs. <i>Industrial Crops and Products</i> , 2015, 65, 361-366. | 5.2 | 18 |
| 61 | Endoplasmic Reticulum-Mitochondria Contacts Modulate Reactive Oxygen Species-Mediated Signaling and Oxidative Stress in Brain Disorders: The Key Role of Sigma-1 Receptor. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 758-780. | 5.4 | 16 |
| 62 | Characterization and Cytotoxicity Assessment of the Lipophilic Fractions of Different Morphological Parts of <i>Acacia dealbata</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 1814. | 4.1 | 15 |
| 63 | Susceptibility to β -Amyloid-Induced Toxicity Is Decreased in Goto-Kakizaki Diabetic Rats: Involvement of Oxidative Stress. <i>Experimental Neurology</i> , 2000, 161, 383-391. | 4.1 | 13 |
| 64 | Endoplasmic reticulum stress: a new playER in tauopathies. <i>Journal of Pathology</i> , 2012, 226, 687-692. | 4.5 | 13 |
| 65 | How Does Minimally Invasive Transforaminal Lumbar Interbody Fusion Influence Lumbar Radiologic Parameters?. <i>World Neurosurgery</i> , 2018, 116, e895-e902. | 1.3 | 13 |
| 66 | Bioactivity and safety profile of <i>Daucus carota</i> subsp. <i>maximus</i> essential oil. <i>Industrial Crops and Products</i> , 2015, 77, 218-224. | 5.2 | 12 |
| 67 | Chemical characterization and bioactive potential of <i>Artemisia campestris</i> L. subsp. <i>maritima</i> (DC) Arcang. essential oil and hydrodistillation residual water. <i>Journal of Ethnopharmacology</i> , 2021, 276, 114146. | 4.1 | 11 |
| 68 | BRI2 ectodomain affects $A\beta$ 42 fibrillation and tau truncation in human neuroblastoma cells. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 1599-1611. | 5.4 | 10 |
| 69 | Therapies for Alzheimer's disease: a metabolic perspective. <i>Molecular Genetics and Metabolism</i> , 2021, 132, 162-172. | 1.1 | 8 |
| 70 | Exploring the antioxidant, anti-inflammatory and antiallergic potential of Brazilian propolis in monocytes. <i>Phytomedicine Plus</i> , 2022, 2, 100231. | 2.0 | 8 |
| 71 | Chemical signature and antimicrobial activity of Central Portuguese Natural Mineral Waters against selected skin pathogens. <i>Environmental Geochemistry and Health</i> , 2020, 42, 2039-2057. | 3.4 | 7 |
| 72 | In vitro evaluation of potential benefits of a silica-rich thermal water (Monfortinho Thermal Water) in hyperkeratotic skin conditions. <i>International Journal of Biometeorology</i> , 2020, 64, 1957-1968. | 3.0 | 7 |

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|----|---|-----|-----------|
| 73 | The ups and downs of cellular stress: the "MAM hypothesis" for Bipolar disorder pathophysiology. <i>International Journal of Clinical Neurosciences and Mental Health</i> , 2017, , S04. | 0.7 | 7 |
| 74 | Bioactive Bacterial Nanocellulose Membranes Enriched with <i>Eucalyptus globulus</i> Labill. Leaves Aqueous Extract for Anti-Aging Skin Care Applications. <i>Materials</i> , 2022, 15, 1982. | 2.9 | 7 |
| 75 | New BACE1 Chimeric Peptide Inhibitors Selectively Prevent A β Cleavage Decreasing Amyloid- β Production and Accumulation in Alzheimer's Disease Models. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 1317-1337. | 2.6 | 6 |
| 76 | <i>Rhodotorula mucilaginosa</i> Fungemia and Pleural Tuberculosis in an Immunocompetent Patient: An Uncommon Association. <i>Mycopathologia</i> , 2016, 181, 145-149. | 3.1 | 5 |
| 77 | Calcium Modulation, Anti-Oxidant and Anti-Inflammatory Effect of Skin Allergens Targeting the Nrf2 Signaling Pathway in Alzheimer's Disease Cellular Models. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7791. | 4.1 | 5 |
| 78 | Synergistic hypoglycemic and hypolipidemic effects of γ -3 and γ -6 fatty acids from Indian flax and sesame seed oils in streptozotocin-induced diabetic rats. <i>Phytomedicine Plus</i> , 2022, 2, 100284. | 2.0 | 5 |
| 79 | Mitochondrial Alterations in Fibroblasts of Early Stage Bipolar Disorder Patients. <i>Biomedicines</i> , 2021, 9, 522. | 3.2 | 4 |
| 80 | Acute acalculous cholecystitis as a rare manifestation of chronic mesenteric ischemia. A case report. <i>International Journal of Surgery Case Reports</i> , 2016, 25, 207-211. | 0.6 | 3 |
| 81 | Kinetics and dynamic evaluation of specific immunotherapy. <i>European Annals of Allergy and Clinical Immunology</i> , 2004, 36, 375-86. | 1.0 | 2 |
| 82 | The role of proteotoxic stress in vascular dysfunction in the pathogenesis of Alzheimer's disease. <i>Endoplasmic Reticulum Stress in Diseases</i> , 2015, 2, . | 0.2 | 1 |
| 83 | Communication between endoplasmic reticulum and mitochondria in the neuronal death induced by amyloid-beta peptide. <i>Journal of the Neurological Sciences</i> , 2009, 283, 280-281. | 0.6 | 0 |
| 84 | Statins prevent beta-amyloid-induced toxicity in cortical neurons. <i>Journal of the Neurological Sciences</i> , 2009, 283, 281. | 0.6 | 0 |
| 85 | P1-087: MISFOLDED BRI2 ECTODOMAIN ACTIVATES CRITICAL PATHOLOGICAL PATHWAYS INVOLVED IN EARLY STAGES OF ALZHEIMER'S DISEASE. , 2014, 10, P334-P334. | | 0 |
| 86 | Control of attention in bipolar disorder: Effects of perceptual load in processing task-irrelevant facial expressions. <i>European Psychiatry</i> , 2016, 33, S335-S335. | 0.2 | 0 |
| 87 | Anti-inflammatory activity of Portuguese thermal waters. <i>Toxicology Letters</i> , 2018, 295, S257. | 0.8 | 0 |
| 88 | APOE ϵ 4-TOMM40L Haplotype Increases the Risk of Mild Cognitive Impairment Conversion to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 587-601. | 2.6 | 0 |
| 89 | Anti-inflammatory effects of <i>Thymus zygis</i> subsp. <i>sylvestris</i> essential oil in LPS-stimulated macrophages and microglia cells. <i>Planta Medica</i> , 2014, 80, . | 1.3 | 0 |
| 90 | Antifungal and anti-inflammatory claims for wild carrot essential oil. <i>Planta Medica</i> , 2014, 80, . | 1.3 | 0 |