

SÃ³nia C. Correia

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

4,015
citations

126708

33
h-index

155451

55
g-index

63
all docs

63
docs citations

63
times ranked

6731
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Doxorubicin: The Good, the Bad and the Ugly Effect. <i>Current Medicinal Chemistry</i> , 2009, 16, 3267-3285. | 1.2 | 1,042 |
| 2 | Insulin-resistant brain state: The culprit in sporadic Alzheimer's disease?. <i>Ageing Research Reviews</i> , 2011, 10, 264-273. | 5.0 | 195 |
| 3 | Insulin signaling, glucose metabolism and mitochondria: Major players in Alzheimer's disease and diabetes interrelation. <i>Brain Research</i> , 2012, 1441, 64-78. | 1.1 | 164 |
| 4 | A Synergistic Dysfunction of Mitochondrial Fission/Fusion Dynamics and Mitophagy in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 20, S401-S412. | 1.2 | 141 |
| 5 | Mitochondrial DNA Oxidative Damage and Repair in Aging and Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2444-2457. | 2.5 | 138 |
| 6 | Metabolic Alterations Induced by Sucrose Intake and Alzheimer's Disease Promote Similar Brain Mitochondrial Abnormalities. <i>Diabetes</i> , 2012, 61, 1234-1242. | 0.3 | 129 |
| 7 | Hypoxia-inducible factor 1: a new hope to counteract neurodegeneration?. <i>Journal of Neurochemistry</i> , 2010, 112, 1-12. | 2.1 | 116 |
| 8 | Crosstalk between diabetes and brain: Glucagon-like peptide-1 mimetics as a promising therapy against neurodegeneration. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 527-541. | 1.8 | 113 |
| 9 | Mitochondrial Abnormalities in a Streptozotocin-Induced Rat Model of Sporadic Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2013, 10, 406-419. | 0.7 | 106 |
| 10 | Metformin Protects the Brain Against the Oxidative Imbalance Promoted by Type 2 Diabetes. <i>Medicinal Chemistry</i> , 2008, 4, 358-364. | 0.7 | 96 |
| 11 | 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. | 1.8 | 95 |
| 12 | Mechanisms of Action of Metformin in Type 2 Diabetes and Associated Complications: An Overview. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008, 8, 1343-1354. | 1.1 | 85 |
| 13 | Metformin promotes isolated rat liver mitochondria impairment. <i>Molecular and Cellular Biochemistry</i> , 2008, 308, 75-83. | 1.4 | 82 |
| 14 | Insulin-induced recurrent hypoglycemia exacerbates diabetic brain mitochondrial dysfunction and oxidative imbalance. <i>Neurobiology of Disease</i> , 2013, 49, 1-12. | 2.1 | 76 |
| 15 | Alzheimer's disease: diverse aspects of mitochondrial malfunctioning. <i>International Journal of Clinical and Experimental Pathology</i> , 2010, 3, 570-81. | 0.5 | 75 |
| 16 | Mitochondrial traffic jams in Alzheimer's disease - pinpointing the roadblocks. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1909-1917. | 1.8 | 73 |
| 17 | Type 2 Diabetic and Alzheimer's Disease Mice Present Similar Behavioral, Cognitive, and Vascular Anomalies. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 623-635. | 1.2 | 68 |
| 18 | Doxorubicin increases the susceptibility of brain mitochondria to Ca ²⁺ -induced permeability transition and oxidative damage. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1395-1402. | 1.3 | 64 |

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|----|---|-----|-----------|
| 19 | Role of mitochondrial-mediated signaling pathways in Alzheimer disease and hypoxia. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 433-440. | 1.0 | 63 |
| 20 | Gut-brain connection: The neuroprotective effects of the anti-diabetic drug liraglutide. <i>World Journal of Diabetes</i> , 2015, 6, 807. | 1.3 | 62 |
| 21 | Insulin therapy modulates mitochondrial dynamics and biogenesis, autophagy and tau protein phosphorylation in the brain of type 1 diabetic rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1154-1166. | 1.8 | 60 |
| 22 | Effects of Estrogen in the Brain: Is it a Neuroprotective Agent in Alzheimers Disease?. <i>Current Aging Science</i> , 2010, 3, 113-126. | 0.4 | 59 |
| 23 | Mitochondrial Importance in Alzheimerâ€™s, Huntingtonâ€™s and Parkinsonâ€™s Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2012, 724, 205-221. | 0.8 | 57 |
| 24 | The impairment of insulin signaling in Alzheimer's disease. <i>IUBMB Life</i> , 2012, 64, 951-957. | 1.5 | 56 |
| 25 | Alzheimer's Disease: From Mitochondrial Perturbations to Mitochondrial Medicine. <i>Brain Pathology</i> , 2016, 26, 632-647. | 2.1 | 53 |
| 26 | Cyanide preconditioning protects brain endothelial and NT2 neuron-like cells against glucotoxicity: Role of mitochondrial reactive oxygen species and HIF-1Î±. <i>Neurobiology of Disease</i> , 2012, 45, 206-218. | 2.1 | 50 |
| 27 | Diminished O-GlcNAcylation in Alzheimer's disease is strongly correlated with mitochondrial anomalies. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2048-2059. | 1.8 | 48 |
| 28 | Mitochondria: The Missing Link Between Preconditioning and Neuroprotection. <i>Journal of Alzheimer's Disease</i> , 2010, 20, S475-S485. | 1.2 | 46 |
| 29 | Nuclear and mitochondrial DNA oxidation in Alzheimer's disease. <i>Free Radical Research</i> , 2012, 46, 565-576. | 1.5 | 46 |
| 30 | Alzheimer's Disease-Related Misfolded Proteins and Dysfunctional Organelles on Autophagy Menu. <i>DNA and Cell Biology</i> , 2015, 34, 261-273. | 0.9 | 46 |
| 31 | The role of mitochondrial disturbances in Alzheimer, Parkinson and Huntington diseases. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 867-884. | 1.4 | 39 |
| 32 | Effects of rapamycin and TOR on aging and memory: implications for Alzheimerâ€™s disease. <i>Journal of Neurochemistry</i> , 2011, 117, 927-936. | 2.1 | 38 |
| 33 | Perspectives on mitochondrial uncoupling proteins-mediated neuroprotection. <i>Journal of Bioenergetics and Biomembranes</i> , 2015, 47, 119-131. | 1.0 | 33 |
| 34 | Mitochondrial quality control systems sustain brain mitochondrial bioenergetics in early stages of type 2 diabetes. <i>Molecular and Cellular Biochemistry</i> , 2014, 394, 13-22. | 1.4 | 31 |
| 35 | Alzheimer disease as a vascular disorder: Where do mitochondria fit?. <i>Experimental Gerontology</i> , 2012, 47, 878-886. | 1.2 | 30 |
| 36 | Mitochondrial preconditioning: a potential neuroprotective strategy. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, . | 1.7 | 29 |

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|----|---|-----|-----------|
| 37 | Impact of STZâ€induced hyperglycemia and insulinâ€induced hypoglycemia in plasma amino acids and cortical synaptosomal neurotransmitters. <i>Synapse</i> , 2011, 65, 457-466. | 0.6 | 29 |
| 38 | New Insights into the Mechanisms of Mitochondrial Preconditioning-Triggered Neuroprotection. <i>Current Pharmaceutical Design</i> , 2011, 17, 3381-3389. | 0.9 | 28 |
| 39 | Middle-Aged Diabetic Females and Males Present Distinct Susceptibility to Alzheimer Disease-like Pathology. <i>Molecular Neurobiology</i> , 2017, 54, 6471-6489. | 1.9 | 27 |
| 40 | Mitophagy in Neurodegeneration: An Opportunity for Therapy?. <i>Current Drug Targets</i> , 2011, 12, 790-799. | 1.0 | 26 |
| 41 | O-GlcNAcylation and neuronal energy status: Implications for Alzheimerâ€™s disease. <i>Ageing Research Reviews</i> , 2018, 46, 32-41. | 5.0 | 25 |
| 42 | Defective HIF Signaling Pathway and Brain Response to Hypoxia in Neurodegenerative Diseases: Not an â€œlffyâ€-Question!. <i>Current Pharmaceutical Design</i> , 2013, 19, 6809-6822. | 0.9 | 23 |
| 43 | Modulation of Endoplasmic Reticulum Stress: An Opportunity to Prevent Neurodegeneration?. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 518-533. | 0.8 | 23 |
| 44 | Mitochondria in Alzheimerâ€™s Disease and Diabetes-Associated Neurodegeneration: License to Heal!. <i>Handbook of Experimental Pharmacology</i> , 2017, 240, 281-308. | 0.9 | 22 |
| 45 | Hyperglycemia, Hypoglycemia and Dementia: Role of Mitochondria and Uncoupling Proteins. <i>Current Molecular Medicine</i> , 2013, 13, 586-601. | 0.6 | 21 |
| 46 | Cerebrovascular and mitochondrial abnormalities in Alzheimerâ€™s disease: a brief overview. <i>Journal of Neural Transmission</i> , 2016, 123, 107-111. | 1.4 | 14 |
| 47 | Intermittent Hypoxic Conditioning Rescues Cognition and Mitochondrial Bioenergetic Profile in the Triple Transgenic Mouse Model of Alzheimerâ€™s Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 461. | 1.8 | 14 |
| 48 | Food Deprivation Promotes Oxidative Imbalance in Rat Brain. <i>Journal of Food Science</i> , 2009, 74, H8-H14. | 1.5 | 10 |
| 49 | Retina and Brain Display Early and Differential Molecular and Cellular Changes in the 3xTg-AD Mouse Model of Alzheimerâ€™s Disease. <i>Molecular Neurobiology</i> , 2021, 58, 3043-3060. | 1.9 | 10 |
| 50 | Vascular, Oxidative, and Synaptosomal Abnormalities During Aging and the Progression of Type 2 Diabetes. <i>Current Neurovascular Research</i> , 2014, 11, 330-339. | 0.4 | 9 |
| 51 | Role of Mitochondria in Neurodegenerative Diseases: The Dark Side of the â€œEnergy Factoryâ€, 2018, , 213-239. | | 6 |
| 52 | Oxygen Sensing and Signaling in Alzheimerâ€™s Disease: A Breathtaking Story!. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 3-21. | 1.7 | 6 |
| 53 | Hypoxic Preconditioning Averts Sporadic Alzheimer's Disease-Like Phenotype in Rats: A Focus on Mitochondria. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 739-757. | 2.5 | 6 |
| 54 | Tortuous Paths of Insulin Signaling and Mitochondria in Alzheimerâ€™s Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1128, 161-183. | 0.8 | 5 |

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|----|--|-----|-----------|
| 55 | Post-translational modifications in brain health and disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1947-1948. | 1.8 | 4 |
| 56 | Is exercise a bottle likely to proffer new insights into Alzheimer's disease?. <i>Journal of Neurochemistry</i> , 2013, 127, 4-6. | 2.1 | 2 |
| 57 | Tackling Alzheimer's Disease by Targeting Oxidative Stress and Mitochondria. , 2016, , 477-502. | | 1 |
| 58 | Autophagy in Alzheimer's disease: A Cleaning Service Out-of-order?. <i>Current Topics in Neurotoxicity</i> , 2015, , 123-142. | 0.4 | 0 |
| 59 | Association of Mitochondrial Signaling in Alzheimer's Disease and Hypoxia. , 2011, , 50-61. | | 0 |