SÃ³nia C. Correia

List of Publications by Year
in descending order

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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	Oxygen Sensing and Signaling in Alzheimerâ€™s Disease: A Breathtaking Story!. Cellular and Molecular Neurobiology, 2022, 42, 3-21.	1.7	6
2	Hypoxic Preconditioning Averts Sporadic Alzheimer's Disease-Like Phenotype in Rats: A Focus on Mitochondria. Antioxidants and Redox Signaling, 2022, 37, 739-757.	2.5	6
3	Intermittent Hypoxic Conditioning Rescues Cognition and Mitochondrial Bioenergetic Profile in the Triple Transgenic Mouse Model of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 461.	1.8	14
4	Retina and Brain Display Early and Differential Molecular and Cellular Changes in the 3xTg-AD Mouse Model of Alzheimerâ€™s Disease. Molecular Neurobiology, 2021, 58, 3043-3060.	1.9	10
5	Post-translational modifications in brain health and disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1947-1948.	1.8	4
6	Tortuous Paths of Insulin Signaling and Mitochondria in Alzheimerâ€™s Disease. Advances in Experimental Medicine and Biology, 2019, 1128, 161-183.	0.8	5
7	Diminished O-GlcNAcylation in Alzheimer's disease is strongly correlated with mitochondrial anomalies. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2048-2059.	1.8	48
8	Role of Mitochondria in Neurodegenerative Diseases: The Dark Side of the â€œEnergy Factoryâ€• , 2018, , 213-239.		6
9	O-GlcNAcylation and neuronal energy status: Implications for Alzheimerâ€™s disease. Ageing Research Reviews, 2018, 46, 32-41.	5.0	25
10	Mitochondria in Alzheimerâ€™s Disease and Diabetes-Associated Neurodegeneration: License to Heal!. Handbook of Experimental Pharmacology, 2017, 240, 281-308.	0.9	22
11	Middle-Aged Diabetic Females and Males Present Distinct Susceptibility to Alzheimer Disease-like Pathology. Molecular Neurobiology, 2017, 54, 6471-6489.	1.9	27
12	Alzheimer's Disease: From Mitochondrial Perturbations to Mitochondrial Medicine. Brain Pathology, 2016, 26, 632-647.	2.1	53
13	Mitochondrial traffic jams in Alzheimer's disease - pinpointing the roadblocks. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1909-1917.	1.8	73
14	Tackling Alzheimerâ€™s Disease by Targeting Oxidative Stress and Mitochondria. , 2016, , 477-502.		1
15	Cerebrovascular and mitochondrial abnormalities in Alzheimerâ€™s disease: a brief overview. Journal of Neural Transmission, 2016, 123, 107-111.	1.4	14
16	Gut-brain connection: The neuroprotective effects of the anti-diabetic drug liraglutide. World Journal of Diabetes, 2015, 6, 807.	1.3	62
17	Alzheimer's Disease-Related Misfolded Proteins and Dysfunctional Organelles on Autophagy Menu. DNA and Cell Biology, 2015, 34, 261-273.	0.9	46
18	The role of mitochondrial disturbances in Alzheimer, Parkinson and Huntington diseases. Expert Review of Neurotherapeutics, 2015, 15, 867-884.	1.4	39

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19	Autophagy in Alzheimerâ€™s disease: A Cleaning Service Out-of-order?. Current Topics in Neurotoxicity, 2015, , 123-142.	0.4	0
20	Perspectives on mitochondrial uncoupling proteins-mediated neuroprotection. Journal of Bioenergetics and Biomembranes, 2015, 47, 119-131.	1.0	33
21	Modulation of Endoplasmic Reticulum Stress: An Opportunity to Prevent Neurodegeneration?. CNS and Neurological Disorders - Drug Targets, 2015, 14, 518-533.	0.8	23
22	The role of endoplasmic reticulum in amyloid precursor protein processing and trafficking: Implications for Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1444-1453.	1.8	95
23	Mitochondrial quality control systems sustain brain mitochondrial bioenergetics in early stages of type 2 diabetes. Molecular and Cellular Biochemistry, 2014, 394, 13-22.	1.4	31
24	Insulin therapy modulates mitochondrial dynamics and biogenesis, autophagy and tau protein phosphorylation in the brain of type 1 diabetic rats. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1154-1166.	1.8	60
25	Vascular, Oxidative, and Synaptosomal Abnormalities During Aging and the Progression of Type 2 Diabetes. Current Neurovascular Research, 2014, 11, 330-339.	0.4	9
26	Insulin-induced recurrent hypoglycemia exacerbates diabetic brain mitochondrial dysfunction and oxidative imbalance. Neurobiology of Disease, 2013, 49, 1-12.	2.1	76
27	Is exerciseâ€•inâ€•aâ€•bottle likely to proffer new insights into Alzheimer's disease?. Journal of Neurochemistry, 2013, 127, 4-6.	2.1	2
28	Crosstalk between diabetes and brain: Glucagon-like peptide-1 mimetics as a promising therapy against neurodegeneration. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 527-541.	1.8	113
29	Mitochondrial DNA Oxidative Damage and Repair in Aging and Alzheimer's Disease. Antioxidants and Redox Signaling, 2013, 18, 2444-2457.	2.5	138
30	Hyperglycemia, Hypoglycemia and Dementia: Role of Mitochondria and Uncoupling Proteins. Current Molecular Medicine, 2013, 13, 586-601.	0.6	21
31	Type 2 Diabetic and Alzheimer's Disease Mice Present Similar Behavioral, Cognitive, and Vascular Anomalies. Journal of Alzheimer's Disease, 2013, 35, 623-635.	1.2	68
32	Defective HIF Signaling Pathway and Brain Response to Hypoxia in Neurodegenerative Diseases: Not an â€œlffyâ€•Question!. Current Pharmaceutical Design, 2013, 19, 6809-6822.	0.9	23
33	Mitochondrial Abnormalities in a Streptozotocin-Induced Rat Model of Sporadic Alzheimer's Disease. Current Alzheimer Research, 2013, 10, 406-419.	0.7	106
34	Metabolic Alterations Induced by Sucrose Intake and Alzheimerâ€™s Disease Promote Similar Brain Mitochondrial Abnormalities. Diabetes, 2012, 61, 1234-1242.	0.3	129
35	The impairment of insulin signaling in Alzheimer's disease. IUBMB Life, 2012, 64, 951-957.	1.5	56
36	Alzheimer disease as a vascular disorder: Where do mitochondria fit?. Experimental Gerontology, 2012, 47, 878-886.	1.2	30

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37	Nuclear and mitochondrial DNA oxidation in Alzheimer's disease. Free Radical Research, 2012, 46, 565-576.	1.5	46
38	Mitochondrial Importance in Alzheimerâ€™s, Huntingtonâ€™s and Parkinsonâ€™s Diseases. Advances in Experimental Medicine and Biology, 2012, 724, 205-221.	0.8	57
39	Insulin signaling, glucose metabolism and mitochondria: Major players in Alzheimer's disease and diabetes interrelation. Brain Research, 2012, 1441, 64-78.	1.1	164
40	Cyanide preconditioning protects brain endothelial and NT2 neuron-like cells against glucotoxicity: Role of mitochondrial reactive oxygen species and HIF-1Î±. Neurobiology of Disease, 2012, 45, 206-218.	2.1	50
41	Insulin-resistant brain state: The culprit in sporadic Alzheimer's disease?. Ageing Research Reviews, 2011, 10, 264-273.	5.0	195
42	Mitophagy in Neurodegeneration: An Opportunity for Therapy?. Current Drug Targets, 2011, 12, 790-799.	1.0	26
43	Effects of rapamycin and TOR on aging and memory: implications for Alzheimerâ€™s disease. Journal of Neurochemistry, 2011, 117, 927-936.	2.1	38
44	Impact of STZâ€induced hyperglycemia and insulinâ€induced hypoglycemia in plasma amino acids and cortical synaptosomal neurotransmitters. Synapse, 2011, 65, 457-466.	0.6	29
45	New Insights into the Mechanisms of Mitochondrial Preconditioning-Triggered Neuroprotection. Current Pharmaceutical Design, 2011, 17, 3381-3389.	0.9	28
46	Association of Mitochondrial Signaling in Alzheimerâ€™s Disease and Hypoxia. , 2011, , 50-61.		0
47	Hypoxiaâ€inducible factor 1: a new hope to counteract neurodegeneration?. Journal of Neurochemistry, 2010, 112, 1-12.	2.1	116
48	Mitochondrial preconditioning: a potential neuroprotective strategy. Frontiers in Aging Neuroscience, 2010, 2, .	1.7	29
49	A Synergistic Dysfunction of Mitochondrial Fission/Fusion Dynamics and Mitophagy in Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 20, S401-S412.	1.2	141
50	Mitochondria: The Missing Link Between Preconditioning and Neuroprotection. Journal of Alzheimer's Disease, 2010, 20, S475-S485.	1.2	46
51	Effects of Estrogen in the Brain: Is it a Neuroprotective Agent in Alzheimers Disease?. Current Aging Science, 2010, 3, 113-126.	0.4	59
52	Alzheimer's disease: diverse aspects of mitochondrial malfunctioning. International Journal of Clinical and Experimental Pathology, 2010, 3, 570-81.	0.5	75
53	Doxorubicin: The Good, the Bad and the Ugly Effect. Current Medicinal Chemistry, 2009, 16, 3267-3285.	1.2	1,042
54	Role of mitochondrial-mediated signaling pathways in Alzheimer disease and hypoxia. Journal of Bioenergetics and Biomembranes, 2009, 41, 433-440.	1.0	63

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55	Food Deprivation Promotes Oxidative Imbalance in Rat Brain. Journal of Food Science, 2009, 74, H8-H14.	1.5	10
56	Metformin promotes isolated rat liver mitochondria impairment. Molecular and Cellular Biochemistry, 2008, 308, 75-83.	1.4	82
57	Doxorubicin increases the susceptibility of brain mitochondria to Ca2+-induced permeability transition and oxidative damage. Free Radical Biology and Medicine, 2008, 45, 1395-1402.	1.3	64
58	Mechanisms of Action of Metformin in Type 2 Diabetes and Associated Complications: An Overview. Mini-Reviews in Medicinal Chemistry, 2008, 8, 1343-1354.	1.1	85
59	Metformin Protects the Brain Against the Oxidative Imbalance Promoted by Type 2 Diabetes. Medicinal Chemistry, 2008, 4, 358-364.	0.7	96