

SÃ³nia C. Correia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/172221/publications.pdf>

Version: 2024-02-01

59
papers

4,015
citations

126907
33
h-index

155660
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.	2.4	1,042
2	Insulin-resistant brain state: The culprit in sporadic Alzheimer's disease?. <i>Ageing Research Reviews</i> , 2011, 10, 264-273.	10.9	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.	2.2	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.	2.6	141
5	Mitochondrial DNA Oxidative Damage and Repair in Aging and Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2444-2457.	5.4	138
6	Metabolic Alterations Induced by Sucrose Intake and Alzheimer's Disease Promote Similar Brain Mitochondrial Abnormalities. <i>Diabetes</i> , 2012, 61, 1234-1242.	0.6	129
7	Hypoxia-inducible factor 1: a new hope to counteract neurodegeneration?. <i>Journal of Neurochemistry</i> , 2010, 112, 1-12.	3.9	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.	3.8	113
9	Mitochondrial Abnormalities in a Streptozotocin-Induced Rat Model of Sporadic Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2013, 10, 406-419.	1.4	106
10	Metformin Protects the Brain Against the Oxidative Imbalance Promoted by Type 2 Diabetes. <i>Medicinal Chemistry</i> , 2008, 4, 358-364.	1.5	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.	3.8	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.	2.4	85
13	Metformin promotes isolated rat liver mitochondria impairment. <i>Molecular and Cellular Biochemistry</i> , 2008, 308, 75-83.	3.1	82
14	Insulin-induced recurrent hypoglycemia exacerbates diabetic brain mitochondrial dysfunction and oxidative imbalance. <i>Neurobiology of Disease</i> , 2013, 49, 1-12.	4.4	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.	3.8	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.	2.6	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.	2.9	64

#	ARTICLE	IF	CITATIONS
19	Role of mitochondrial-mediated signaling pathways in Alzheimer disease and hypoxia. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 433-440.	2.3	63
20	Gut-brain connection: The neuroprotective effects of the anti-diabetic drug liraglutide. <i>World Journal of Diabetes</i> , 2015, 6, 807.	3.5	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.	3.8	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.	1.2	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.	1.6	57
24	The impairment of insulin signaling in Alzheimer's disease. <i>IUBMB Life</i> , 2012, 64, 951-957.	3.4	56
25	Alzheimer's Disease: From Mitochondrial Perturbations to Mitochondrial Medicine. <i>Brain Pathology</i> , 2016, 26, 632-647.	4.1	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.	4.4	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.	3.8	48
28	Mitochondria: The Missing Link Between Preconditioning and Neuroprotection. <i>Journal of Alzheimer's Disease</i> , 2010, 20, S475-S485.	2.6	46
29	Nuclear and mitochondrial DNA oxidation in Alzheimer's disease. <i>Free Radical Research</i> , 2012, 46, 565-576.	3.3	46
30	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
31	The role of mitochondrial disturbances in Alzheimer, Parkinson and Huntington diseases. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 867-884.	2.8	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.	3.9	38
33	Perspectives on mitochondrial uncoupling proteins-mediated neuroprotection. <i>Journal of Bioenergetics and Biomembranes</i> , 2015, 47, 119-131.	2.3	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.	3.1	31
35	Alzheimer disease as a vascular disorder: Where do mitochondria fit?. <i>Experimental Gerontology</i> , 2012, 47, 878-886.	2.8	30
36	Mitochondrial preconditioning: a potential neuroprotective strategy. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, .	3.4	29

#	ARTICLE	IF	CITATIONS
37	Impact of STZ-induced hyperglycemia and insulin-induced hypoglycemia in plasma amino acids and cortical synaptosomal neurotransmitters. <i>Synapse</i> , 2011, 65, 457-466.	1.2	29
38	New Insights into the Mechanisms of Mitochondrial Preconditioning-Triggered Neuroprotection. <i>Current Pharmaceutical Design</i> , 2011, 17, 3381-3389.	1.9	28
39	Middle-Aged Diabetic Females and Males Present Distinct Susceptibility to Alzheimer Disease-like Pathology. <i>Molecular Neurobiology</i> , 2017, 54, 6471-6489.	4.0	27
40	Mitophagy in Neurodegeneration: An Opportunity for Therapy?. <i>Current Drug Targets</i> , 2011, 12, 790-799.	2.1	26
41	O-GlcNAcylation and neuronal energy status: Implications for Alzheimer's disease. <i>Ageing Research Reviews</i> , 2018, 46, 32-41.	10.9	25
42	Defective HIF Signaling Pathway and Brain Response to Hypoxia in Neurodegenerative Diseases: Not an open Question!. <i>Current Pharmaceutical Design</i> , 2013, 19, 6809-6822.	1.9	23
43	Modulation of Endoplasmic Reticulum Stress: An Opportunity to Prevent Neurodegeneration?. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 518-533.	1.4	23
44	Mitochondria in Alzheimer's Disease and Diabetes-Associated Neurodegeneration: License to Heal!. <i>Handbook of Experimental Pharmacology</i> , 2017, 240, 281-308.	1.8	22
45	Hyperglycemia, Hypoglycemia and Dementia: Role of Mitochondria and Uncoupling Proteins. <i>Current Molecular Medicine</i> , 2013, 13, 586-601.	1.3	21
46	Cerebrovascular and mitochondrial abnormalities in Alzheimer's disease: a brief overview. <i>Journal of Neural Transmission</i> , 2016, 123, 107-111.	2.8	14
47	Intermittent Hypoxic Conditioning Rescues Cognition and Mitochondrial Bioenergetic Profile in the Triple Transgenic Mouse Model of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 461.	4.1	14
48	Food Deprivation Promotes Oxidative Imbalance in Rat Brain. <i>Journal of Food Science</i> , 2009, 74, H8-H14.	3.1	10
49	Retina and Brain Display Early and Differential Molecular and Cellular Changes in the 3xTg-AD Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2021, 58, 3043-3060.	4.0	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.	1.1	9
51	Role of Mitochondria in Neurodegenerative Diseases: The Dark Side of the "Energy Factory", 2018, , 213-239.		6
52	Oxygen Sensing and Signaling in Alzheimer's Disease: A Breathtaking Story!. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 3-21.	3.3	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.	5.4	6
54	Tortuous Paths of Insulin Signaling and Mitochondria in Alzheimer's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1128, 161-183.	1.6	5

#	ARTICLE	IF	CITATIONS
55	Post-translational modifications in brain health and disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1947-1948.	3.8	4
56	Is exercise in a bottle likely to proffer new insights into Alzheimer's disease?. Journal of Neurochemistry, 2013, 127, 4-6.	3.9	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?. Current Topics in Neurotoxicity, 2015, , 123-142.	0.4	0
59	Association of Mitochondrial Signaling in Alzheimer's Disease and Hypoxia. , 2011, , 50-61.		0