Ana I Duarte

List of Publications by Year
in descending order

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54 papers	2,906 citations	147801 31 h-index	189892 50 g-index
55 all docs	55 docs citations	55 times ranked	4704 citing authors

#	Article	IF	Citations
1	Metabolic regulation is important for spermatogenesis. Nature Reviews Urology, 2012, 9, 330-338.	3.8	329
2	Insulin in Central Nervous System: More than Just a Peripheral Hormone. Journal of Aging Research, 2012, 2012, 1-21.	0.9	227
3	An Integrative View of the Role of Oxidative Stress, Mitochondria and Insulin in Alzheimer's Disease. Journal of Alzheimer's Disease, 2009, 16, 741-761.	2.6	172
4	Insulin neuroprotection against oxidative stress is mediated by Akt and GSK-3Î² signaling pathways and changes in protein expression. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 994-1002.	4.1	122
5	Pre-diabetes alters testicular PGC1-Î±/SIRT3 axis modulating mitochondrial bioenergetics and oxidative stress. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 335-344.	1.0	122
6	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.	3.8	113
7	Current and emerging avenues for Alzheimer's disease drug targets. Journal of Internal Medicine, 2019, 286, 398-437.	6.0	102
8	Insulin Restores Metabolic Function in Cultured Cortical Neurons Subjected to Oxidative Stress. Diabetes, 2006, 55, 2863-2870.	0.6	96
9	Metformin Protects the Brain Against the Oxidative Imbalance Promoted by Type 2 Diabetes. Medicinal Chemistry, 2008, 4, 358-364.	1.5	96
10	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.	3.8	95
11	Insulin neuroprotection against oxidative stress in cortical neuronsâ€"Involvement of uric acid and glutathione antioxidant defenses. Free Radical Biology and Medicine, 2005, 39, 876-889.	2.9	77
12	Insulin as a Bridge between Type 2 Diabetes and Alzheimer Disease Ã¢â‚¬â€œ How Anti-Diabetics Could be a Solution for Dementia. Frontiers in Endocrinology, 2014, 5, 110.	3.5	74
13	Activation of IGF-1 and Insulin Signaling Pathways Ameliorate Mitochondrial Function and Energy Metabolism in Huntingtonâ€™s Disease Human Lymphoblasts. Molecular Neurobiology, 2015, 51, 331-348.	4.0	66
14	Gut-brain connection: The neuroprotective effects of the anti-diabetic drug liraglutide. World Journal of Diabetes, 2015, 6, 807.	3.5	62
15	IGF-1 Intranasal Administration Rescues Huntington's Disease Phenotypes in YAC128 Mice. Molecular Neurobiology, 2014, 49, 1126-1142.	4.0	60
16	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.	3.8	60
17	The impairment of insulin signaling in Alzheimer's disease. IUBMB Life, 2012, 64, 951-957.	3.4	56
18	Brain GLP-1/IGF-1 Signaling and Autophagy Mediate Exendin-4 Protection Against Apoptosis in Type 2 Diabetic Rats. Molecular Neurobiology, 2018, 55, 4030-4050.	4.0	55

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19	Testosterone deficiency induced by progressive stages of diabetes mellitus impairs glucose metabolism and favors glycogenesis in mature rat Sertoli cells. International Journal of Biochemistry and Cell Biology, 2015, 66, 1-10.	2.8	50
20	Histone Deacetylase Inhibitors Protect Against Pyruvate Dehydrogenase Dysfunction in Huntington's Disease. Journal of Neuroscience, 2017, 37, 2776-2794.	3.6	50
21	Mitochondrial-Associated Metabolic Changes and Neurodegeneration in Huntingtons Disease - from Clinical Features to the Bench. Current Drug Targets, 2010, 11, 1218-1236.	2.1	50
22	Oxidative Stress Affects Synaptosomal Â-Aminobutyric Acid and Glutamate Transport in Diabetic Rats: The Role of Insulin. Diabetes, 2004, 53, 2110-2116.	0.6	47
23	Liraglutide Protects Against Brain Amyloid-Î²1â€“42 Accumulation in Female Mice with Early Alzheimerâ€™s Disease-Like Pathology by Partially Rescuing Oxidative/Nitrosative Stress and Inflammation. International Journal of Molecular Sciences, 2020, 21, 1746.	4.1	47
24	Synaptosomal response to oxidative stress: Effect of vinpocetine. Free Radical Research, 2000, 32, 57-66.	3.3	46
25	Protective effect of trimetazidine on myocardial mitochondrial function in an ex-vivo model of global myocardial ischemia. European Journal of Pharmacology, 2004, 503, 123-128.	3.5	44
26	Effect of Chronic Exposure to Aluminium on Isoform Expression and Activity of Rat (Na+/K+)ATPase. Toxicological Sciences, 2005, 88, 485-494.	3.1	39
27	Mitochondrial respiratory chain complex activity and bioenergetic alterations in human platelets derived from pre-symptomatic and symptomatic Huntington's disease carriers. Mitochondrion, 2013, 13, 801-809.	3.4	39
28	The role of mitochondrial disturbances in Alzheimer, Parkinson and Huntington diseases. Expert Review of Neurotherapeutics, 2015, 15, 867-884.	2.8	39
29	Brain insulin signalling, glucose metabolism and females' reproductive aging: A dangerous triad in Alzheimer's disease. Neuropharmacology, 2018, 136, 223-242.	4.1	38
30	Insulin affects synaptosomal GABA and glutamate transport under oxidative stress conditions. Brain Research, 2003, 977, 23-30.	2.2	37
31	The interplay between redox signalling and proteostasis in neurodegeneration: In vivo effects of a mitochondria-targeted antioxidant in Huntington's disease mice. Free Radical Biology and Medicine, 2020, 146, 372-382.	2.9	36
32	Perspectives on mitochondrial uncoupling proteins-mediated neuroprotection. Journal of Bioenergetics and Biomembranes, 2015, 47, 119-131.	2.3	33
33	Alzheimer disease as a vascular disorder: Where do mitochondria fit?. Experimental Gerontology, 2012, 47, 878-886.	2.8	30
34	Insulin and IGF-1 regularize energy metabolites in neural cells expressing full-length mutant huntingtin. Neuropeptides, 2016, 58, 73-81.	2.2	28
35	Middle-Aged Diabetic Females and Males Present Distinct Susceptibility to Alzheimer Disease-like Pathology. Molecular Neurobiology, 2017, 54, 6471-6489.	4.0	27
36	IGF-1 protects against diabetic features in an in vivo model of Huntington's disease. Experimental Neurology, 2011, 231, 314-319.	4.1	26

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37	Defective HIF Signaling Pathway and Brain Response to Hypoxia in Neurodegenerative Diseases: Not an â€œlffyâ€•Question!. Current Pharmaceutical Design, 2013, 19, 6809-6822.	1.9	23
38	Modulation of Endoplasmic Reticulum Stress: An Opportunity to Prevent Neurodegeneration?. CNS and Neurological Disorders - Drug Targets, 2015, 14, 518-533.	1.4	23
39	Valsartan improves mitochondrial function in hearts submitted to acute ischemia. European Journal of Pharmacology, 2005, 518, 158-164.	3.5	21
40	Hyperglycemia, Hypoglycemia and Dementia: Role of Mitochondria and Uncoupling Proteins. Current Molecular Medicine, 2013, 13, 586-601.	1.3	21
41	Dual Therapy with Liraglutide and Ghrelin Promotes Brain and Peripheral Energy Metabolism in the R6/2 Mouse Model of Huntingtonâ€™s Disease. Scientific Reports, 2018, 8, 8961.	3.3	20
42	Ghrelin rescues skeletal muscle catabolic profile in the R6/2 mouse model of Huntingtonâ€™s disease. Scientific Reports, 2017, 7, 13896.	3.3	17
43	Carvedilol improves energy production during acute global myocardial ischaemia. European Journal of Pharmacology, 2003, 482, 245-253.	3.5	15
44	Sex-dependent vulnerability of fetal nonhuman primate cardiac mitochondria to moderate maternal nutrient reduction. Clinical Science, 2021, 135, 1103-1126.	4.3	15
45	Synaptosomes isolated from Goto-Kakizaki diabetic rat brain exhibit increased resistance to oxidative stress. Life Sciences, 2000, 67, 3061-3073.	4.3	14
46	Dipeptidyl peptidase-4 inhibitors and sulfonylureas prevent the progressive impairment of the nigrostriatal dopaminergic system induced by diabetes during aging. Neurobiology of Aging, 2020, 89, 12-23.	3.1	13
47	Food Deprivation Promotes Oxidative Imbalance in Rat Brain. Journal of Food Science, 2009, 74, H8-H14.	3.1	10
48	Mitochondrial-Targeted Protective Properties of Isolated Diterpenoids from Sideritis spp. in Response to the Deleterious Changes Induced by H₂O₂. Journal of Natural Products, 2013, 76, 933-938.	3.0	7
49	Kaurane diterpenes as mitochondrial alterations preventive agents under experimental oxidative stress conditions. Pharmaceutical Biology, 2016, 54, 705-711.	2.9	7
50	Peripheral and cerebral metabolic features in an animal model of Huntington's disease. , 2012, , .		1
51	L23â€…Effects of peripheral (co-)administration of liraglutide and ghrelin in the R6/2 mouse brain function. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A98.1-A98.	1.9	0
52	L24â€…The effect of ghrelin administration in the R6/2 mouse model of huntingtonâ€™s disease. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A98.2-A98.	1.9	0
53	I10â€…Effects of MITOQ on behavioural and biochemical phenotypes of a huntingtonâ€™s disease mouse model. , 2018, , .		0
54	I11â€…Effects of dual administration of liraglutide and ghrelin on brain mitochondrial metabolism in the r6/2 mouse. , 2018, , .		0