Rodrigo A Quintanilla

List of Publications by Year
in descending order

55 papers	3,717 citations	147726 31 h-index	161767 54 g-index
57 all docs	57 docs citations	57 times ranked	5607 citing authors

#	Article	IF	Citations
1	Activation of the Nrf2 Pathway Prevents Mitochondrial Dysfunction Induced by Caspase-3 Cleaved Tau: Implications for Alzheimerâ€™s Disease. Antioxidants, 2022, 11, 515.	2.2	13
2	Neurodegeneration in Multiple Sclerosis: The Role of Nrf2-Dependent Pathways. Antioxidants, 2022, 11, 1146.	2.2	8
3	The use of fibroblasts as a valuable strategy for studying mitochondrial impairment in neurological disorders. Translational Neurodegeneration, 2022, 11, .	3.6	15
4	Contribution of the Nrf2 Pathway on Oxidative Damage and Mitochondrial Failure in Parkinson and Alzheimerâ€™s Disease. Antioxidants, 2021, 10, 1069.	2.2	53
5	Dietary supplementation of a sulforaphane-enriched broccoli extract protects the heart from acute cardiac stress. Journal of Functional Foods, 2020, 75, 104267.	1.6	6
6	Truncated Tau Induces Mitochondrial Transport Failure Through the Impairment of TRAK2 Protein and Bioenergetics Decline in Neuronal Cells. Frontiers in Cellular Neuroscience, 2020, 14, 175.	1.8	30
7	Activation of the Melanocortin-4 Receptor Prevents Oxidative Damage and Mitochondrial Dysfunction in Cultured Hippocampal Neurons Exposed to Ethanol. Neurotoxicity Research, 2020, 38, 421-433.	1.3	12
8	Alcohol consumption during adolescence alters the hippocampal response to traumatic brain injury. Biochemical and Biophysical Research Communications, 2020, 528, 514-519.	1.0	19
9	NADPH oxidase contributes to oxidative damage and mitochondrial impairment induced by acute ethanol treatment in rat hippocampal neurons. Neuropharmacology, 2020, 171, 108100.	2.0	9
10	Tau Deletion Prevents Cognitive Impairment and Mitochondrial Dysfunction Age Associated by a Mechanism Dependent on Cyclophilin-D. Frontiers in Neuroscience, 2020, 14, 586710.	1.4	14
11	Stimulation of Melanocortin Receptor-4 (MC4R) Prevents Mitochondrial Damage Induced by Binge Ethanol Protocol in Adolescent Rat Hippocampus. Neuroscience, 2020, 438, 70-85.	1.1	8
12	Alcohol impairs hippocampal function: From NMDA receptor synaptic transmission to mitochondrial function. Drug and Alcohol Dependence, 2019, 205, 107628.	1.6	28
13	Connexin 43 hemichannels and pannexinâ€1 channels contribute to the Î±â€synucleinâ€induced dysfunction and death of astrocytes. Glia, 2019, 67, 1598-1619.	2.5	39
14	Adolescence binge alcohol consumption induces hippocampal mitochondrial impairment that persists during the adulthood. Neuroscience, 2019, 406, 356-368.	1.1	25
15	Itâ€™s all about tau. Progress in Neurobiology, 2019, 175, 54-76.	2.8	134
16	Effect of Alcohol on Hippocampal-Dependent Plasticity and Behavior: Role of Glutamatergic Synaptic Transmission. Frontiers in Behavioral Neuroscience, 2019, 13, 288.	1.0	31
17	Caspase-Cleaved Tau Impairs Mitochondrial Dynamics in Alzheimerâ€™s Disease. Molecular Neurobiology, 2018, 55, 1004-1018.	1.9	59
18	Heavy Alcohol Exposure Activates Astroglial Hemichannels and Pannexons in the Hippocampus of Adolescent Rats: Effects on Neuroinflammation and Astrocyte Arborization. Frontiers in Cellular Neuroscience, 2018, 12, 472.	1.8	34

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19	Ventilatory and Autonomic Regulation in Sleep Apnea Syndrome: A Potential Protective Role for Erythropoietin?. Frontiers in Physiology, 2018, 9, 1440.	1.3	9
20	Mitochondrial permeability transition pore contributes to mitochondrial dysfunction in fibroblasts of patients with sporadic Alzheimer's disease. Redox Biology, 2018, 19, 290-300.	3.9	64
21	Contribution of Tau Pathology to Mitochondrial Impairment in Neurodegeneration. Frontiers in Neuroscience, 2018, 12, 441.	1.4	99
22	Genetic ablation of tau improves mitochondrial function and cognitive abilities in the hippocampus. Redox Biology, 2018, 18, 279-294.	3.9	60
23	Development or disease: duality of the mitochondrial permeability transition pore. Developmental Biology, 2017, 426, 1-7.	0.9	104
24	Adolescent Binge Alcohol Exposure Affects the Brain Function Through Mitochondrial Impairment. Molecular Neurobiology, 2017, 55, 4473-4491.	1.9	31
25	Quercetin Exerts Differential Neuroprotective Effects Against H2O2 and Aî² Aggregates in Hippocampal Neurons: the Role of Mitochondria. Molecular Neurobiology, 2017, 54, 7116-7128.	1.9	56
26	Possible role of mitochondrial permeability transition pore in the pathogenesis of Huntington disease. Biochemical and Biophysical Research Communications, 2017, 483, 1078-1083.	1.0	31
27	Alcohol consumption during adolescence: A link between mitochondrial damage and ethanol brain intoxication. Birth Defects Research, 2017, 109, 1623-1639.	0.8	33
28	New Implications for the Melanocortin System in Alcohol Drinking Behavior in Adolescents: The Glial Dysfunction Hypothesis. Frontiers in Cellular Neuroscience, 2017, 11, 90.	1.8	17
29	Mitochondrial Bioenergetics Is Altered in Fibroblasts from Patients with Sporadic Alzheimer's Disease. Frontiers in Neuroscience, 2017, 11, 553.	1.4	55
30	New Targets for Diagnosis and Treatment Against Alzheimerâ€™s Disease: The Mitochondrial Approach. , 2016, , .		2
31	Quercetin Affects Erythropoiesis and Heart Mitochondrial Function in Mice. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-12.	1.9	24
32	Neuron-Glia Crosstalk in the Autonomic Nervous System and Its Possible Role in the Progression of Metabolic Syndrome: A New Hypothesis. Frontiers in Physiology, 2015, 6, 350.	1.3	15
33	Mitochondrial Dysfunction Contributes to the Pathogenesis of Alzheimerâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-12.	1.9	116
34	Therapeutic Actions of the Thiazolidinediones in Alzheimerâ€™s Disease. PPAR Research, 2015, 2015, 1-8.	1.1	49
35	Phosphorylated tau potentiates Aî²-induced mitochondrial damage in mature neurons. Neurobiology of Disease, 2014, 71, 260-269.	2.1	55
36	Mitochondrial permeability transition pore induces mitochondria injury in Huntington disease. Molecular Neurodegeneration, 2013, 8, 45.	4.4	88

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37	Thiazolidinediones Promote Axonal Growth through the Activation of the JNK Pathway. PLoS ONE, 2013, 8, e65140.	1.1	24
38	Understanding Risk Factors for Alzheimer's Disease: Interplay of Neuroinflammation, Connexin-based Communication and Oxidative Stress. Archives of Medical Research, 2012, 43, 632-644.	1.5	62
39	Truncated tau and Aî² cooperatively impair mitochondria in primary neurons. Neurobiology of Aging, 2012, 33, 619.e25-619.e35.	1.5	103
40	The Permeability Transition Pore Controls Cardiac Mitochondrial Maturation and Myocyte Differentiation. Developmental Cell, 2011, 21, 469-478.	3.1	257
41	Bioenergetics, mitochondria, and cardiac myocyte differentiation. Progress in Pediatric Cardiology, 2011, 31, 75-81.	0.2	126
42	Role of mitochondrial dysfunction in the pathogenesis of Huntington's disease. Brain Research Bulletin, 2009, 80, 242-247.	1.4	135
43	Caspase-cleaved Tau Expression Induces Mitochondrial Dysfunction in Immortalized Cortical Neurons. Journal of Biological Chemistry, 2009, 284, 18754-18766.	1.6	146
44	Immortalized cortical neurons expressing caspase-cleaved tau are sensitized to endoplasmic reticulum stress induced cell death. Brain Research, 2008, 1234, 206-212.	1.1	36
45	Rosiglitazone Treatment Prevents Mitochondrial Dysfunction in Mutant Huntingtin-expressing Cells. Journal of Biological Chemistry, 2008, 283, 25628-25637.	1.6	117
46	Peroxisome Proliferator-activated Receptor î³ Up-regulates the Bcl-2 Anti-apoptotic Protein in Neurons and Induces Mitochondrial Stabilization and Protection against Oxidative Stress and Apoptosis. Journal of Biological Chemistry, 2007, 282, 37006-37015.	1.6	223
47	Mitochondrial-targeted active Akt protects SH-SY5Y neuroblastoma cells from staurosporine-induced apoptotic cell death. Journal of Cellular Biochemistry, 2007, 102, 196-210.	1.2	38
48	Type 2 transglutaminase differentially modulates striatal cell death in the presence of wild type or mutant huntingtin. Journal of Neurochemistry, 2007, 102, 25-36.	2.1	22
49	Mutant Huntingtin Expression Induces Mitochondrial Calcium Handling Defects in Clonal Striatal Cells. Journal of Biological Chemistry, 2006, 281, 34785-34795.	1.6	116
50	Role of the JAKs/STATs pathway in the intracellular calcium changes induced by interleukin-6 in hippocampal neurons. Neurotoxicity Research, 2005, 8, 295-304.	1.3	71
51	Peroxisomal Proliferation Protects from î²-Amyloid Neurodegeneration. Journal of Biological Chemistry, 2005, 280, 41057-41068.	1.6	137
52	Peroxisome proliferator-activated receptor î³ is expressed in hippocampal neurons and its activation prevents î²-amyloid neurodegeneration: role of Wnt signaling. Experimental Cell Research, 2005, 304, 91-104.	1.2	181
53	Trolox and 17î²-Estradiol Protect against Amyloid î²-Peptide Neurotoxicity by a Mechanism That Involves Modulation of the Wnt Signaling Pathway. Journal of Biological Chemistry, 2005, 280, 11615-11625.	1.6	109
54	Interleukin-6 induces Alzheimer-type phosphorylation of tau protein by deregulating the cdk5/p35 pathway. Experimental Cell Research, 2004, 295, 245-257.	1.2	342

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55	Ethanol Consumption Affects Neuronal Function: Role of the Mitochondria. , 0, , .		4