Ruben K Dagda

List of Publications by Year
in descending order

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61	8,917	168829	190340
papers	citations	31 h-index	53 g-index

67	67	67	21377
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intraperitoneal Administration of Forskolin Reverses Motor Symptoms and Loss of Midbrain Dopamine Neurons in PINK1 Knockout Rats. Journal of Parkinson's Disease, 2022, 12, 831-850.	1.5	2
2	Cardiolipin nanodisks confer protection against doxorubicin-induced mitochondrial dysfunction. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183984.	1.4	2
3	Mitochondrial PKA Is Neuroprotective in a Cell Culture Model of Alzheimerâ€™s Disease. Molecular Neurobiology, 2021, 58, 3071-3083.	1.9	12
4	Cleaved PINK1 induces neuronal plasticity through PKAâ€mediated BDNF functional regulation. Journal of Neuroscience Research, 2021, 99, 2134-2155.	1.3	11
5	Coenzyme Q nanodisks counteract the effect of statins on C2C12 myotubes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 37, 102439.	1.7	4
6	The Community of Bilingual English-Spanish Speakers Exploring Issues in Science and Health: Experiences During the COVID-19 Pandemic. Journal of STEM Outreach, 2021, 4, .	0.3	0
7	Role of Cleaved PINK1 in Neuronal Development, Synaptogenesis, and Plasticity: Implications for Parkinsonâ€™s Disease. Frontiers in Neuroscience, 2021, 15, 769331.	1.4	5
8	Psychological Stress Phenocopies Brain Mitochondrial Dysfunction and Motor Deficits as Observed in a Parkinsonian Rat Model. Molecular Neurobiology, 2020, 57, 1781-1798.	1.9	22
9	Psychological distress and lack of PINK1 promote bioenergetics alterations in peripheral blood mononuclear cells. Scientific Reports, 2020, 10, 9820.	1.6	6
10	Molecular Mechanism by Which Cobra Venom Cardiotoxins Interact with the Outer Mitochondrial Membrane. Toxins, 2020, 12, 425.	1.5	18
11	Assembly and Characterization of Biocompatible Coenzyme Q₁₀â€Enriched Lipid Nanoparticles. Lipids, 2020, 55, 141-149.	0.7	9
12	G protein-coupled receptor kinase 2 regulates mitochondrial bioenergetics and impairs myostatin-mediated autophagy in muscle cells. American Journal of Physiology - Cell Physiology, 2019, 317, C674-C686.	2.1	16
13	Naja mossambica mossambica Cobra Cardiotoxin Targets Mitochondria to Disrupt Mitochondrial Membrane Structure and Function. Toxins, 2019, 11, 152.	1.5	31
14	Neuroprotective Mitochondrial Remodeling by AKAP121/PKA Protects HT22 Cell from Glutamate-Induced Oxidative Stress. Molecular Neurobiology, 2019, 56, 5586-5607.	1.9	20
15	A Pilot STEM Curriculum Designed to Teach High School Students Concepts in Biochemical Engineering and Pharmacology. , 2019, 7, 846-877.		1
16	Nutritional modulation of the intestinal microbiota; future opportunities for the prevention and treatment of neuroimmune and neuroinflammatory disease. Journal of Nutritional Biochemistry, 2018, 61, 1-16.	1.9	58
17	Non-bilayer structures in mitochondrial membranes regulate ATP synthase activity. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 586-599.	1.4	47
18	Role of Mitochondrial Dysfunction in Degenerative Brain Diseases, an Overview. Brain Sciences, 2018, 8, 178.	1.1	10

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19	Mitochondrial O-GlcNAc Transferase (mOGT) Regulates Mitochondrial Structure, Function, and Survival in HeLa Cells. Journal of Biological Chemistry, 2017, 292, 4499-4518.	1.6	66
20	<scp>PINK</scp>1 regulates mitochondrial trafficking in dendrites of cortical neurons through mitochondrial <scp>PKA</scp>. Journal of Neurochemistry, 2017, 142, 545-559.	2.1	52
21	Protocols for Assessing Mitophagy in Neuronal Cell Lines and Primary Neurons. Neuromethods, 2017, 123, 249-277.	0.2	10
22	How AMPK and PKA Interplay to Regulate Mitochondrial Function and Survival in Models of Ischemia and Diabetes. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-12.	1.9	52
23	Antioxidants Protect against Arsenic Induced Mitochondrial Cardio-Toxicity. Toxics, 2017, 5, 38.	1.6	48
24	Novel Redox-Dependent Esterase Activity (EC 3.1.1.2) for DJ-1: Implications for Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2016, 17, 1346.	1.8	15
25	Monomethylarsonous acid, but not inorganic arsenic, is a mitochondria-specific toxicant in vascular smooth muscle cells. Toxicology in Vitro, 2016, 35, 188-201.	1.1	25
26	Glycolysis selectively shapes the presynaptic action potential waveform. Journal of Neurophysiology, 2016, 116, 2523-2540.	0.9	60
27	The possible role of nonbilayer structures in regulating ATP synthase activity in mitochondrial membranes. Biophysics (Russian Federation), 2016, 61, 596-600.	0.2	12
28	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
29	Naja naja oxiana Cobra Venom Cytotoxins CTI and CTII Disrupt Mitochondrial Membrane Integrity: Implications for Basic Three-Fingered Cytotoxins. PLoS ONE, 2015, 10, e0129248.	1.1	42
30	Role of protein kinase A in regulating mitochondrial function and neuronal development: implications to neurodegenerative diseases. Reviews in the Neurosciences, 2015, 26, 359-70.	1.4	77
31	Snake Venom Cytotoxins, Phospholipase A2s, and Zn2+-dependent Metalloproteinases: Mechanisms of Action and Pharmacological Relevance. , 2014, 4, 1000181.		98
32	Molecular models of the Mojave rattlesnake (Crotalus scutulatus scutulatus) venom metalloproteinases reveal a structural basis for differences in hemorrhagic activities. Journal of Biological Physics, 2014, 40, 193-216.	0.7	10
33	Nitrite activates protein kinase A in normoxia to mediate mitochondrial fusion and tolerance to ischaemia/reperfusion. Cardiovascular Research, 2014, 101, 57-68.	1.8	80
34	Beyond the mitochondrion: cytosolic <scp>PINK</scp>1 remodels dendrites through Protein Kinase A. Journal of Neurochemistry, 2014, 128, 864-877.	2.1	104
35	ERK-mediated phosphorylation of TFAM downregulates mitochondrial transcription: Implications for Parkinson's disease. Mitochondrion, 2014, 17, 132-140.	1.6	54
36	Role of protein phosphatase 2A in modulating autophagy and mitophagy (LB220). FASEB Journal, 2014, 28, LB220.	0.2	0

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37	Cardiolipin externalization to the outer mitochondrial membrane acts as an elimination signal for mitophagy in neuronal cells. Nature Cell Biology, 2013, 15, 1197-1205.	4.6	792
38	Mitochondrial Dysfunction Accompanied by ERK-Dependent Phosphorylation of TFAM in a Chronic MPP+ Model. Biophysical Journal, 2013, 104, 658a.	0.2	0
39	How Parkinsonian Toxins Dysregulate the Autophagy Machinery. International Journal of Molecular Sciences, 2013, 14, 22163-22189.	1.8	62
40	Genetic Basis for Variation of Metalloproteinase-Associated Biochemical Activity in Venom of the Mojave Rattlesnake (Crotalus scutulatus scutulatus). Biochemistry Research International, 2013, 2013, 1-11.	1.5	18
41	Using crickets to introduce neurophysiology to early undergraduate students. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2013, 12, A66-74.	0.6	17
42	Nitrite Activates Protein Kinase A in Normoxia to Increase Mitochondrial Fusion and Confer Delayed Cytoprotection After Ischemia/Reperfusion. Free Radical Biology and Medicine, 2012, 53, S165.	1.3	0
43	Mechanism of Neuroprotective Mitochondrial Remodeling by PKA/AKAP1. PLoS Biology, 2011, 9, e1000612.	2.6	164
44	Mitochondrially localized PKA reverses mitochondrial pathology and dysfunction in a cellular model of Parkinson's disease. Cell Death and Differentiation, 2011, 18, 1914-1923.	5.0	119
45	Monitoring Mitophagy in Neuronal Cell Cultures. Methods in Molecular Biology, 2011, 793, 325-339.	0.4	49
46	Review: Autophagy and neurodegeneration: survival at a cost?. Neuropathology and Applied Neurobiology, 2010, 36, 125-132.	1.8	69
47	Evaluation of the Consensus of Four Peptide Identification Algorithms for Tandem Mass Spectrometry Based Proteomics. Journal of Proteomics and Bioinformatics, 2010, 03, 039-047.	0.4	34
48	PKA prevents mitochondrial pathology induced by loss of PINK1 function. FASEB Journal, 2010, 24, 345.3.	0.2	0
49	Loss of PINK1 Function Promotes Mitophagy through Effects on Oxidative Stress and Mitochondrial Fission. Journal of Biological Chemistry, 2009, 284, 13843-13855.	1.6	845
50	Mitochondrial autophagy as a compensatory response to PINK1 deficiency. Autophagy, 2009, 5, 1213-1214.	4.3	36
51	Mitochondrial quality control: insights on how Parkinsonâ€™s disease related genes PINK1, parkin, and Omi/HtrA2 interact to maintain mitochondrial homeostasis. Journal of Bioenergetics and Biomembranes, 2009, 41, 473-479.	1.0	93
52	Mitochondrial kinases in Parkinsonâ€™s disease: Converging insights from neurotoxin and genetic models. Mitochondrion, 2009, 9, 289-298.	1.6	63
53	Chapter 11 Autophagy in Neurite Injury and Neurodegeneration. Methods in Enzymology, 2009, 453, 217-249.	0.4	103
54	Mitochondrially localized ERK2 regulates mitophagy and autophagic cell stress. Autophagy, 2008, 4, 770-782.	4.3	251

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55	The Spinocerebellar Ataxia 12 Gene Product and Protein Phosphatase 2A Regulatory Subunit BÎ²2 Antagonizes Neuronal Survival by Promoting Mitochondrial Fission. Journal of Biological Chemistry, 2008, 283, 36241-36248.	1.6	77
56	Beclin 1-Independent Pathway of Damage-Induced Mitophagy and Autophagic Stress: Implications for Neurodegeneration and Cell Death. Autophagy, 2007, 3, 663-666.	4.3	151
57	ERK2 translocates to mitochondria during neurodegeneration and is associated with mitochondrial autophagy. Journal of Neuropathology and Experimental Neurology, 2007, 66, 424.	0.9	0
58	ERK2 translocates to mitochondria during neurodegeneration and is associated with mitochondrial autophagy.. FASEB Journal, 2007, 21, A23.	0.2	0
59	Unfolding-resistant Translocase Targeting. Journal of Biological Chemistry, 2005, 280, 27375-27382.	1.6	33
60	A Developmentally Regulated, Neuron-specific Splice Variant of the Variable Subunit BÎ² Targets Protein Phosphatase 2A to Mitochondria and Modulates Apoptosis. Journal of Biological Chemistry, 2003, 278, 24976-24985.	1.6	78
61	Protein Phosphatase 2A Holoenzyme Assembly. Journal of Biological Chemistry, 2002, 277, 20750-20755.	1.6	76