

Ruben K Dagda

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

8,917
citations

147801

31
h-index

168389

53
g-index

67
all docs

67
docs citations

67
times ranked

19708
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Loss of PINK1 Function Promotes Mitophagy through Effects on Oxidative Stress and Mitochondrial Fission. <i>Journal of Biological Chemistry</i> , 2009, 284, 13843-13855.	3.4	845
3	Cardiolipin externalization to the outer mitochondrial membrane acts as an elimination signal for mitophagy in neuronal cells. <i>Nature Cell Biology</i> , 2013, 15, 1197-1205.	10.3	792
4	Mitochondrially localized ERK2 regulates mitophagy and autophagic cell stress. <i>Autophagy</i> , 2008, 4, 770-782.	9.1	251
5	Mechanism of Neuroprotective Mitochondrial Remodeling by PKA/AKAP1. <i>PLoS Biology</i> , 2011, 9, e1000612.	5.6	164
6	Beclin 1-Independent Pathway of Damage-Induced Mitophagy and Autophagic Stress: Implications for Neurodegeneration and Cell Death. <i>Autophagy</i> , 2007, 3, 663-666.	9.1	151
7	Mitochondrially localized PKA reverses mitochondrial pathology and dysfunction in a cellular model of Parkinson's disease. <i>Cell Death and Differentiation</i> , 2011, 18, 1914-1923.	11.2	119
8	Beyond the mitochondrion: cytosolic <sc>PINK</sc>1 remodels dendrites through Protein Kinase A. <i>Journal of Neurochemistry</i> , 2014, 128, 864-877.	3.9	104
9	Chapter 11 Autophagy in Neurite Injury and Neurodegeneration. <i>Methods in Enzymology</i> , 2009, 453, 217-249.	1.0	103
10	Snake Venom Cytotoxins, Phospholipase A2s, and Zn ²⁺ -dependent Metalloproteinases: Mechanisms of Action and Pharmacological Relevance. , 2014, 4, 1000181.		98
11	Mitochondrial quality control: insights on how Parkinson's disease related genes PINK1, parkin, and Omi/HtrA2 interact to maintain mitochondrial homeostasis. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 473-479.	2.3	93
12	Nitrite activates protein kinase A in normoxia to mediate mitochondrial fusion and tolerance to ischaemia/reperfusion. <i>Cardiovascular Research</i> , 2014, 101, 57-68.	3.8	80
13	A Developmentally Regulated, Neuron-specific Splice Variant of the Variable Subunit B β Targets Protein Phosphatase 2A to Mitochondria and Modulates Apoptosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 24976-24985.	3.4	78
14	The Spinocerebellar Ataxia 12 Gene Product and Protein Phosphatase 2A Regulatory Subunit B β 2 Antagonizes Neuronal Survival by Promoting Mitochondrial Fission. <i>Journal of Biological Chemistry</i> , 2008, 283, 36241-36248.	3.4	77
15	Role of protein kinase A in regulating mitochondrial function and neuronal development: implications to neurodegenerative diseases. <i>Reviews in the Neurosciences</i> , 2015, 26, 359-70.	2.9	77
16	Protein Phosphatase 2A Holoenzyme Assembly. <i>Journal of Biological Chemistry</i> , 2002, 277, 20750-20755.	3.4	76
17	Review: Autophagy and neurodegeneration: survival at a cost?. <i>Neuropathology and Applied Neurobiology</i> , 2010, 36, 125-132.	3.2	69
18	Mitochondrial O-GlcNAc Transferase (mOGT) Regulates Mitochondrial Structure, Function, and Survival in HeLa Cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 4499-4518.	3.4	66

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19	Mitochondrial kinases in Parkinson's disease: Converging insights from neurotoxin and genetic models. <i>Mitochondrion</i> , 2009, 9, 289-298.	3.4	63
20	How Parkinsonian Toxins Dysregulate the Autophagy Machinery. <i>International Journal of Molecular Sciences</i> , 2013, 14, 22163-22189.	4.1	62
21	Glycolysis selectively shapes the presynaptic action potential waveform. <i>Journal of Neurophysiology</i> , 2016, 116, 2523-2540.	1.8	60
22	Nutritional modulation of the intestinal microbiota; future opportunities for the prevention and treatment of neuroimmune and neuroinflammatory disease. <i>Journal of Nutritional Biochemistry</i> , 2018, 61, 1-16.	4.2	58
23	ERK-mediated phosphorylation of TFAM downregulates mitochondrial transcription: Implications for Parkinson's disease. <i>Mitochondrion</i> , 2014, 17, 132-140.	3.4	54
24	PINK1 regulates mitochondrial trafficking in dendrites of cortical neurons through mitochondrial PKA. <i>Journal of Neurochemistry</i> , 2017, 142, 545-559.	3.9	52
25	How AMPK and PKA Interplay to Regulate Mitochondrial Function and Survival in Models of Ischemia and Diabetes. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	4.0	52
26	Monitoring Mitophagy in Neuronal Cell Cultures. <i>Methods in Molecular Biology</i> , 2011, 793, 325-339.	0.9	49
27	Antioxidants Protect against Arsenic Induced Mitochondrial Cardio-Toxicity. <i>Toxics</i> , 2017, 5, 38.	3.7	48
28	Non-bilayer structures in mitochondrial membranes regulate ATP synthase activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 586-599.	2.6	47
29	Naja naja oxiana Cobra Venom Cytotoxins CTI and CTII Disrupt Mitochondrial Membrane Integrity: Implications for Basic Three-Fingered Cytotoxins. <i>PLoS ONE</i> , 2015, 10, e0129248.	2.5	42
30	Mitochondrial autophagy as a compensatory response to PINK1 deficiency. <i>Autophagy</i> , 2009, 5, 1213-1214.	9.1	36
31	Evaluation of the Consensus of Four Peptide Identification Algorithms for Tandem Mass Spectrometry Based Proteomics. <i>Journal of Proteomics and Bioinformatics</i> , 2010, 03, 039-047.	0.4	34
32	Unfolding-resistant Translocase Targeting. <i>Journal of Biological Chemistry</i> , 2005, 280, 27375-27382.	3.4	33
33	Naja mossambica mossambica Cobra Cardiotoxin Targets Mitochondria to Disrupt Mitochondrial Membrane Structure and Function. <i>Toxins</i> , 2019, 11, 152.	3.4	31
34	Monomethylarsonous acid, but not inorganic arsenic, is a mitochondria-specific toxicant in vascular smooth muscle cells. <i>Toxicology in Vitro</i> , 2016, 35, 188-201.	2.4	25
35	Psychological Stress Phenocopies Brain Mitochondrial Dysfunction and Motor Deficits as Observed in a Parkinsonian Rat Model. <i>Molecular Neurobiology</i> , 2020, 57, 1781-1798.	4.0	22
36	Neuroprotective Mitochondrial Remodeling by AKAP121/PKA Protects HT22 Cell from Glutamate-Induced Oxidative Stress. <i>Molecular Neurobiology</i> , 2019, 56, 5586-5607.	4.0	20

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37	Genetic Basis for Variation of Metalloproteinase-Associated Biochemical Activity in Venom of the Mojave Rattlesnake (<i>Crotalus scutulatus scutulatus</i>). <i>Biochemistry Research International</i> , 2013, 2013, 1-11.	3.3	18
38	Molecular Mechanism by Which Cobra Venom Cardiotoxins Interact with the Outer Mitochondrial Membrane. <i>Toxins</i> , 2020, 12, 425.	3.4	18
39	Using crickets to introduce neurophysiology to early undergraduate students. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2013, 12, A66-74.	0.0	17
40	G protein-coupled receptor kinase 2 regulates mitochondrial bioenergetics and impairs myostatin-mediated autophagy in muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C674-C686.	4.6	16
41	Novel Redox-Dependent Esterase Activity (EC 3.1.1.2) for DJ-1: Implications for Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1346.	4.1	15
42	The possible role of nonbilayer structures in regulating ATP synthase activity in mitochondrial membranes. <i>Biophysics (Russian Federation)</i> , 2016, 61, 596-600.	0.7	12
43	Mitochondrial PKA Is Neuroprotective in a Cell Culture Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2021, 58, 3071-3083.	4.0	12
44	Cleaved PINK1 induces neuronal plasticity through PKA-mediated BDNF functional regulation. <i>Journal of Neuroscience Research</i> , 2021, 99, 2134-2155.	2.9	11
45	Molecular models of the Mojave rattlesnake (<i>Crotalus scutulatus scutulatus</i>) venom metalloproteinases reveal a structural basis for differences in hemorrhagic activities. <i>Journal of Biological Physics</i> , 2014, 40, 193-216.	1.5	10
46	Protocols for Assessing Mitophagy in Neuronal Cell Lines and Primary Neurons. <i>Neuromethods</i> , 2017, 123, 249-277.	0.3	10
47	Role of Mitochondrial Dysfunction in Degenerative Brain Diseases, an Overview. <i>Brain Sciences</i> , 2018, 8, 178.	2.3	10
48	Assembly and Characterization of Biocompatible Coenzyme Q ₁₀ -Enriched Lipid Nanoparticles. <i>Lipids</i> , 2020, 55, 141-149.	1.7	9
49	Psychological distress and lack of PINK1 promote bioenergetics alterations in peripheral blood mononuclear cells. <i>Scientific Reports</i> , 2020, 10, 9820.	3.3	6
50	Role of Cleaved PINK1 in Neuronal Development, Synaptogenesis, and Plasticity: Implications for Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 769331.	2.8	5
51	Coenzyme Q nanodisks counteract the effect of statins on C2C12 myotubes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 37, 102439.	3.3	4
52	Intraperitoneal Administration of Forskolin Reverses Motor Symptoms and Loss of Midbrain Dopamine Neurons in PINK1 Knockout Rats. <i>Journal of Parkinson's Disease</i> , 2022, 12, 831-850.	2.8	2
53	Cardiolipin nanodisks confer protection against doxorubicin-induced mitochondrial dysfunction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183984.	2.6	2
54	A Pilot STEM Curriculum Designed to Teach High School Students Concepts in Biochemical Engineering and Pharmacology. , 2019, 7, 846-877.		1

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55	ERK2 translocates to mitochondria during neurodegeneration and is associated with mitochondrial autophagy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 424.	1.7	0
56	Nitrite Activates Protein Kinase A in Normoxia to Increase Mitochondrial Fusion and Confer Delayed Cytoprotection After Ischemia/Reperfusion. <i>Free Radical Biology and Medicine</i> , 2012, 53, S165.	2.9	0
57	Mitochondrial Dysfunction Accompanied by ERK-Dependent Phosphorylation of TFAM in a Chronic MPP+ Model. <i>Biophysical Journal</i> , 2013, 104, 658a.	0.5	0
58	The Community of Bilingual English-Spanish Speakers Exploring Issues in Science and Health: Experiences During the COVID-19 Pandemic. <i>Journal of STEM Outreach</i> , 2021, 4, .	0.5	0
59	ERK2 translocates to mitochondria during neurodegeneration and is associated with mitochondrial autophagy.. <i>FASEB Journal</i> , 2007, 21, A23.	0.5	0
60	PKA prevents mitochondrial pathology induced by loss of PINK1 function. <i>FASEB Journal</i> , 2010, 24, 345.3.	0.5	0
61	Role of protein phosphatase 2A in modulating autophagy and mitophagy (LB220). <i>FASEB Journal</i> , 2014, 28, LB220.	0.5	0