

Kimberly J Dunham-Snary

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,369
citations

394421

19
h-index

642732

23
g-index

32
all docs

32
docs citations

32
times ranked

1948
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxic Pulmonary Vasoconstriction. <i>Chest</i> , 2017, 151, 181-192.	0.8	292
2	MicroRNA-138 and MicroRNA-25 Down-regulate Mitochondrial Calcium Uniporter, Causing the Pulmonary Arterial Hypertension Cancer Phenotype. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 515-529.	5.6	134
3	Epigenetic Dysregulation of the Dynamin-Related Protein 1 Binding Partners MiD49 and MiD51 Increases Mitotic Mitochondrial Fission and Promotes Pulmonary Arterial Hypertension. <i>Circulation</i> , 2018, 138, 287-304.	1.6	115
4	Mitochondrial iron-sulfur clusters: Structure, function, and an emerging role in vascular biology. <i>Redox Biology</i> , 2021, 47, 102164.	9.0	101
5	Ischemia-induced Drp1 and Fis1-mediated mitochondrial fission and right ventricular dysfunction in pulmonary hypertension. <i>Journal of Molecular Medicine</i> , 2017, 95, 381-393.	3.9	90
6	Mitochondrial genetic background modulates bioenergetics and susceptibility to acute cardiac volume overload. <i>Biochemical Journal</i> , 2013, 455, 157-167.	3.7	79
7	Ndufs2, a Core Subunit of Mitochondrial Complex I, Is Essential for Acute Oxygen-Sensing and Hypoxic Pulmonary Vasoconstriction. <i>Circulation Research</i> , 2019, 124, 1727-1746.	4.5	67
8	The mitochondrial paradigm for cardiovascular disease susceptibility and cellular function: a complementary concept to Mendelian genetics. <i>Laboratory Investigation</i> , 2011, 91, 1122-1135.	3.7	52
9	Mitochondrial nuclear genetic interaction modulates whole body metabolism, adiposity and gene expression in vivo. <i>EBioMedicine</i> , 2018, 36, 316-328.	6.1	46
10	Transcriptomic Signature of Right Ventricular Failure in Experimental Pulmonary Arterial Hypertension: Deep Sequencing Demonstrates Mitochondrial, Fibrotic, Inflammatory and Angiogenic Abnormalities. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2730.	4.1	43
11	A method for assessing mitochondrial bioenergetics in whole white adipose tissues. <i>Redox Biology</i> , 2014, 2, 656-660.	9.0	41
12	The methyl donor S-adenosylmethionine prevents liver hypoxia and dysregulation of mitochondrial bioenergetic function in a rat model of alcohol-induced fatty liver disease. <i>Redox Biology</i> , 2016, 9, 188-197.	9.0	39
13	Mitochondria in the Pulmonary Vasculature in Health and Disease: Oxygen Sensing, Metabolism, and Dynamics. , 2020, 10, 713-765.		39
14	Oxygen sensing, mitochondrial biology and experimental therapeutics for pulmonary hypertension and cancer. <i>Free Radical Biology and Medicine</i> , 2021, 170, 150-178.	2.9	32
15	Mitochondrial-nuclear DNA mismatch matters. <i>Science</i> , 2015, 349, 1449-1450.	12.6	30
16	A mitochondrial redox oxygen sensor in the pulmonary vasculature and ductus arteriosus. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 43-58.	2.8	30
17	Mitochondria in human neutrophils mediate killing of <i>Staphylococcus aureus</i> . <i>Redox Biology</i> , 2022, 49, 102225.	9.0	30
18	Endothelial Cell Bioenergetics and Mitochondrial DNA Damage Differ in Humans Having African or West Eurasian Maternal Ancestry. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 26-36.	5.1	29

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19	Endothelial <i>BMPR2</i> Loss Drives a Proliferative Response to BMP (Bone Morphogenetic Protein) 9 via Prolonged Canonical Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2605-2618.	2.4	29
20	Biventricular Increases in Mitochondrial Fission Mediator (MiD51) and Proglycolytic Pyruvate Kinase (PKM2) Isoform in Experimental Group 2 Pulmonary Hypertension-Novel Mitochondrial Abnormalities. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 195.	2.4	22
21	Mitochondrial genetics and obesity: evolutionary adaptation and contemporary disease susceptibility. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1229-1237.	2.9	20
22	The molecular mechanisms of oxygen-sensing in human ductus arteriosus smooth muscle cells: A comprehensive transcriptome profile reveals a central role for mitochondria. <i>Genomics</i> , 2021, 113, 3128-3140.	2.9	7
23	The Role of Mitochondrial Genetic Background on Mitochondrial Bioenergetics and Energy Balance. <i>Free Radical Biology and Medicine</i> , 2012, 53, S94.	2.9	1
24	The comprehensive transcriptome of human ductus arteriosus smooth muscle cells (hDASMC). <i>Data in Brief</i> , 2022, 40, 107736.	1.0	1
25	Response by Dunham-Snary and Archer to Letter Regarding Article, "Ndufs2, a Core Subunit of Mitochondrial Complex I, Is Essential for Acute Oxygen-Sensing and Hypoxic Pulmonary Vasoconstriction". <i>Circulation Research</i> , 2019, 125, e35-e36.	4.5	0
26	Critical Role of Electron Leak from Mitochondrial Electron Transport Chain Complex I in Oxygen Sensing in the Rabbit Ductus Arteriosus. <i>Free Radical Biology and Medicine</i> , 2020, 159, S96-S97.	2.9	0