Jolyn Fernandes

List of Publications by Year
in descending order

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Version: 2024-02-01

35 papers	788 citations	471509 17 h-index	580821 25 g-index
43 all docs	43 docs citations	43 times ranked	1369 citing authors

#	Article	IF	Citations
1	Redox dynamics of manganese as a mitochondrial life-death switch. Biochemical and Biophysical Research Communications, 2017, 482, 388-398.	2.1	115
2	Metabolic pathways of lung inflammation revealed by high-resolution metabolomics (HRM) of H1N1 influenza virus infection in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R906-R916.	1.8	101
3	Lysine Acetylation Activates Mitochondrial Aconitase in the Heart. Biochemistry, 2015, 54, 4008-4018.	2.5	62
4	From the Cover: Manganese Stimulates Mitochondrial H₂O₂Production in SH-SY5Y Human Neuroblastoma Cells Over Physiologic as well as Toxicologic Range. Toxicological Sciences, 2017, 155, 213-223.	3.1	48
5	Low-dose cadmium disrupts mitochondrial citric acid cycle and lipid metabolism in mouse lung. Free Radical Biology and Medicine, 2019, 131, 209-217.	2.9	47
6	Cadmium stimulates myofibroblast differentiation and mouse lung fibrosis. Toxicology, 2017, 383, 50-56.	4.2	45
7	Redox regulation of insulin sensitivity due to enhanced fatty acid utilization in the mitochondria. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H634-H643.	3.2	44
8	Mitochondrial network responses in oxidative physiology and disease. Free Radical Biology and Medicine, 2018, 116, 31-40.	2.9	39
9	Selenium at the redox interface of the genome, metabolome and exposome. Free Radical Biology and Medicine, 2018, 127, 215-227.	2.9	38
10	Microbial metabolite delta-valerobetaine is a diet-dependent obesogen. Nature Metabolism, 2021, 3, 1694-1705.	11.9	36
11	MTORâ€initiated metabolic switch and degeneration in the retinal pigment epithelium. FASEB Journal, 2020, 34, 12502-12520.	0.5	27
12	Reductive Stress Causes Pathological Cardiac Remodeling and Diastolic Dysfunction. Antioxidants and Redox Signaling, 2020, 32, 1293-1312.	5.4	27
13	Selenium supplementation prevents metabolic and transcriptomic responses to cadmium in mouse lung. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2417-2426.	2.4	26
14	Environmental Cadmium Enhances Lung Injury by Respiratory Syncytial Virus Infection. American Journal of Pathology, 2019, 189, 1513-1525.	3.8	23
15	Transcriptome Analysis Reveals Distinct Responses to Physiologic versus Toxic Manganese Exposure in Human Neuroblastoma Cells. Frontiers in Genetics, 2019, 10, 676.	2.3	21
16	Low-dose cadmium potentiates lung inflammatory response to 2009 pandemic H1N1 influenza virus in mice. Environment International, 2019, 127, 720-729.	10.0	19
17	Putrescine as indicator of manganese neurotoxicity: Dose-response study in human SH-SY5Y cells. Food and Chemical Toxicology, 2018, 116, 272-280.	3.6	17
18	Metabolomic Responses to Manganese Dose in SH-SY5Y Human Neuroblastoma Cells. Toxicological Sciences, 2019, 169, 84-94.	3.1	17

#	Article	IF	Citations
19	Plasma high-resolution metabolomics identifies linoleic acid and linked metabolic pathways associated with bone mineral density. Clinical Nutrition, 2021, 40, 467-475.	5.0	17
20	Early Pregnancy Serum Metabolite Profiles Associated with Hypertensive Disorders of Pregnancy in African American Women: A Pilot Study. Journal of Pregnancy, 2020, 2020, 1-13.	2.4	8
21	Metabolites and metabolic pathways associated with glucocorticoid resistance in pregnant African-American women. Comprehensive Psychoneuroendocrinology, 2020, 1-2, 100001.	1.7	5
22	Time-course metabolomic analysis of manganese toxicity reveals biomarkers of oxidative stress and amino acid metabolism as early cellular targets. Free Radical Biology and Medicine, 2018, 128, S83.	2.9	3
23	Integration of Multi-Omics Data Reveal Dynamic Oxidative Stress Responses to Manganese in Human SH-SY5Y Neuroblastoma Cells. Free Radical Biology and Medicine, 2016, 100, S160.	2.9	1
24	Low-dose cadmium disrupts mitochondrial citric acid cycle and lipid metabolism in mouse lung. Free Radical Biology and Medicine, 2018, 128, S86.	2.9	1
25	Enhanced cardiac fatty acid utilization induced by high dietary fat: a potential regulatory role for mitochondrial aconitase. BMC Proceedings, 2012, 6, .	1.6	0
26	Manganese Inhibition and Activation of Mitochondrial Oxidative Processes in Neuronal Cells. Free Radical Biology and Medicine, 2015, 87, S15.	2.9	0
27	Combined Effect of Heat Shock and Chlorine Fails to Elicit Acquired Thermal Tolerance in Labeo rohita Spawns. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2016, 86, 537-542.	1.0	0
28	Constitutive Activation of Nrf2 Causes Hyper-Reductive State and Heart Failure. Journal of Molecular and Cellular Cardiology, 2017, 112, 150-151.	1.9	0
29	Manganese Stimulates Putrescine Accumulation and Influences Associated Polyamine, Methionine and Neurotransmitter Metabolism in Human SH-SY5Y Neuroblastoma Cells. Free Radical Biology and Medicine, 2017, 112, 163.	2.9	0
30	Cadmium at Human Dietary Levels Disturbed Homeostasis of Nutritional Metals in Lung (P24-055-19). Current Developments in Nutrition, 2019, 3, nzz044.P24-055-19.	0.3	0
31	Characterization of Nutritional and Environmental Metals after Cadmium Exposure in Mice. Free Radical Biology and Medicine, 2019, 145, S51.	2.9	0
32	Plasma High-Resolution Metabolomics Identifies Linoleic Acid and Linked Metabolic Pathways Associated with Bone Mineral Density. Current Developments in Nutrition, 2020, 4, nzaa049_006.	0.3	0
33	Abstract 425: A Pro-reductive Redox State Protects the Myocardium From Isoproterenol-Induced Pathological Remodeling in Nrf2 Transgenic Mouse. Circulation Research, 2018, 123, .	4.5	0
34	Antagonistic Pleiotropy in Mitochondria ROS Signaling Responses to Manganese. SSRN Electronic Journal, 0, , .	0.4	0
35	Transcriptomeâ€Metabolome Association Studies in Mouse Lungs Reveal Differences Between Sex and Strain in the Glutathione Antioxidant Pathway. FASEB Journal, 2022, 36, .	0.5	0