Janine H Santos

List of Publications by Year
in descending order

30 papers	3,132 citations	304701 22 h-index	501174 28 g-index
33 all docs	33 docs citations	33 times ranked	4851 citing authors

#	Article	IF	Citations
1	TCA Cycle and Mitochondrial Membrane Potential Are Necessary for Diverse Biological Functions. Molecular Cell, 2016, 61, 199-209.	9.7	396
2	Role of mitochondrial DNA in toxic responses to oxidative stress. DNA Repair, 2006, 5, 145-152.	2.8	372
3	Mitochondrial DNA repair and aging. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2002, 509, 127-151.	1.0	290
4	Quantitative PCR-Based Measurement of Nuclear and Mitochondrial DNA Damage and Repair in Mammalian Cells. Methods in Molecular Biology, 2006, 314, 183-199.	0.9	258
5	Mitochondria, Energetics, Epigenetics, and Cellular Responses to Stress. Environmental Health Perspectives, 2014, 122, 1271-1278.	6.0	221
6	Mitochondrial hTERT exacerbates freeâ€radicalâ€mediated mtDNA damage. Aging Cell, 2004, 3, 399-411.	6.7	214
7	Cell Sorting Experiments Link Persistent Mitochondrial DNA Damage with Loss of Mitochondrial Membrane Potential and Apoptotic Cell Death. Journal of Biological Chemistry, 2003, 278, 1728-1734.	3.4	187
8	Mitochondrial localization of telomerase as a determinant for hydrogen peroxide-induced mitochondrial DNA damage and apoptosis. Human Molecular Genetics, 2006, 15, 1757-1768.	2.9	175
9	Human telomerase acts as a hTR-independent reverse transcriptase in mitochondria. Nucleic Acids Research, 2012, 40, 712-725.	14.5	142
10	Measuring Oxidative mtDNA Damage and Repair Using Quantitative PCR. , 2002, 197, 159-176.		131
11	Mitochondrial Genome Instability and ROS Enhance Intestinal Tumorigenesis in APC Mice. American Journal of Pathology, 2012, 180, 24-31.	3.8	123
12	A mutant telomerase defective in nuclearâ€cytoplasmic shuttling fails to immortalize cells and is associated with mitochondrial dysfunction. Aging Cell, 2010, 9, 203-219.	6.7	82
13	Mitochondrial nicotinamide adenine dinucleotide reduced (NADH) oxidation links the tricarboxylic acid (TCA) cycle with methionine metabolism and nuclear DNA methylation. PLoS Biology, 2018, 16, e2005707.	5.6	77
14	Intrinsic mitochondrial DNA repair defects in Ataxia Telangiectasia. DNA Repair, 2014, 13, 22-31.	2.8	68
15	Menadione-Induced DNA Damage Leads to Mitochondrial Dysfunction and Fragmentation During Rosette Formation in Fuchs Endothelial Corneal Dystrophy. Antioxidants and Redox Signaling, 2016, 24, 1072-1083.	5.4	64
16	Telomerase Impinges on the Cellular Response to Oxidative Stress Through Mitochondrial ROS-Mediated Regulation of Autophagy. International Journal of Molecular Sciences, 2019, 20, 1509.	4.1	37
17	Switch of Mitochondrial Superoxide Dismutase into a Prooxidant Peroxidase in Manganese-Deficient Cells and Mice. Cell Chemical Biology, 2018, 25, 413-425.e6.	5.2	36
18	Mitochondria signaling to the epigenome: A novel role for an old organelle. Free Radical Biology and Medicine, 2021, 170, 59-69.	2.9	35

#	Article	IF	Citations
19	Mitochondrial acetyl-CoA reversibly regulates locus-specific histone acetylation and gene expression. Life Science Alliance, 2019, 2, e201800228.	2.8	35
20	Locus coeruleus neurons are most sensitive to chronic neuroinflammation-induced neurodegeneration. Brain, Behavior, and Immunity, 2020, 87, 359-368.	4.1	33
21	Analysis of Oxidative Damage by Geneâ€Specific Quantitative PCR. Current Protocols in Human Genetics, 2009, 62, Unit 19.1.	3.5	31
22	DNA Damage and Its Cellular Response in Mother and Fetus Exposed to Hyperglycemic Environment. BioMed Research International, 2014, 2014, 1-9.	1.9	30
23	Mitochondrial DNA damage as driver of cellular outcomes. American Journal of Physiology - Cell Physiology, 2022, 322, C136-C150.	4.6	26
24	Single Nucleotide Resolution Analysis Reveals Pervasive, Long-Lasting DNA Methylation Changes by Developmental Exposure to a Mitochondrial Toxicant. Cell Reports, 2020, 32, 108131.	6.4	22
25	Mitochondrial-related effects of pentabromophenol, tetrabromobisphenol A, and triphenyl phosphate on murine BV-2 microglia cells. Chemosphere, 2020, 255, 126919.	8.2	16
26	A Leveraged Signal-to-Noise Ratio (LSTNR) Method to Extract Differentially Expressed Genes and Multivariate Patterns of Expression From Noisy and Low-Replication RNAseq Data. Frontiers in Genetics, 2018, 9, 176.	2.3	13
27	A Novel Analytical Strategy to Identify Fusion Transcripts between Repetitive Elements and Protein Coding-Exons Using RNA-Seq. PLoS ONE, 2016, 11, e0159028.	2.5	11
28	Mitochondrial DNA lesions and copy number are strain dependent in enduranceâ€trained mice. Physiological Reports, 2020, 8, e14605.	1.7	2
29	A brain-specific pgc1Î± fusion transcript affects gene expression and behavioural outcomes in mice. Life Science Alliance, 2021, 4, e202101122.	2.8	2
30	NRF2 Alters Mitochondrial Gene Expression in Neonate Mice Exposed to Hyperoxia. Antioxidants, 2022, 11, 760.	5.1	1