

Nadja C Souza-Pinto

List of Publications by Year in descending order

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87
papers

8,378
citations

53794

45
h-index

54911

84
g-index

91
all docs

91
docs citations

91
times ranked

10839
citing authors

#	ARTICLE	IF	CITATIONS
1	The Many Roles Mitochondria Play in Mammalian Aging. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 824-843.	5.4	5
2	NEK5 interacts with LonP1 and its kinase activity is essential for the regulation of mitochondrial functions and mtDNA maintenance. <i>FEBS Open Bio</i> , 2021, 11, 546-563.	2.3	10
3	Increased H ₂ O ₂ levels and p53 stabilization lead to mitochondrial dysfunction in XPC-deficient cells. <i>Carcinogenesis</i> , 2021, 42, 1380-1389.	2.8	1
4	Manganese-Induced Neurotoxicity through Impairment of Cross-Talk Pathways in Human Neuroblastoma Cell Line SH-SY5Y Differentiated with Retinoic Acid. <i>Toxics</i> , 2021, 9, 348.	3.7	3
5	PPRC1, but not PGC-1 β , levels directly correlate with expression of mitochondrial proteins in human dermal fibroblasts. <i>Genetics and Molecular Biology</i> , 2020, 43, e20190083.	1.3	3
6	Investigation of base excision repair gene variants in late-onset Alzheimer's disease. <i>PLoS ONE</i> , 2019, 14, e0221362.	2.5	2
7	Deletion of OGG1 Results in a Differential Signature of Oxidized Purine Base Damage in mtDNA Regions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3302.	4.1	8
8	Enzymology of mitochondrial DNA repair. <i>The Enzymes</i> , 2019, 45, 257-287.	1.7	19
9	Opposing action of NCoR1 and PGC-1 β in mitochondrial redox homeostasis. <i>Free Radical Biology and Medicine</i> , 2019, 143, 203-208.	2.9	9
10	Lower mitochondrial DNA content but not increased mutagenesis associates with decreased base excision repair activity in brains of AD subjects. <i>Neurobiology of Aging</i> , 2019, 73, 161-170.	3.1	23
11	p53-Dependent and p53-Independent Responses of Cells Challenged by Photosensitization. <i>Photochemistry and Photobiology</i> , 2019, 95, 355-363.	2.5	10
12	Where do we aspire to publish? A position paper on scientific communication in biochemistry and molecular biology. <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, e8935.	1.5	1
13	Role of mitochondrial dysfunction in the pathophysiology of DNA repair disorders. <i>Cell Biology International</i> , 2018, 42, 643-650.	3.0	28
14	Mitochondrial calcium transport and the redox nature of the calcium-induced membrane permeability transition. <i>Free Radical Biology and Medicine</i> , 2018, 129, 1-24.	2.9	90
15	Sustained kidney biochemical derangement in treated experimental diabetes: a clue to metabolic memory. <i>Scientific Reports</i> , 2017, 7, 40544.	3.3	13
16	Lack of XPC leads to a shift between respiratory complexes I and II but sensitizes cells to mitochondrial stress. <i>Scientific Reports</i> , 2017, 7, 155.	3.3	19
17	Mitochondria and mitochondrial DNA as relevant targets for environmental contaminants. <i>Toxicology</i> , 2017, 391, 100-108.	4.2	98
18	ExoMeg1: a new exonuclease from metagenomic library. <i>Scientific Reports</i> , 2016, 6, 19712.	3.3	16

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19	XPC deficiency is related to APE1 and OGG1 expression and function. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 784-785, 25-33.	1.0	16
20	Cardiolipin is a key determinant for mtDNA stability and segregation during mitochondrial stress. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 587-598.	1.0	46
21	Effects of post mortem interval and gender in DNA base excision repair activities in rat brains. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 776, 48-53.	1.0	3
22	Unveiling Benznidazole's mechanism of action through overexpression of DNA repair proteins in <i>Trypanosoma cruzi</i> . <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 309-321.	2.2	70
23	Surface modification by argon plasma treatment improves antioxidant defense ability of CHO-k1 cells on titanium surfaces. <i>Toxicology in Vitro</i> , 2014, 28, 381-387.	2.4	15
24	Formation and repair of oxidative damage in the mitochondrial DNA. <i>Mitochondrion</i> , 2014, 17, 164-181.	3.4	80
25	Effects of the melanin precursor 5,6-dihydroxy-indole-2-carboxylic acid (DHICA) on DNA damage and repair in the presence of reactive oxygen species. <i>Archives of Biochemistry and Biophysics</i> , 2014, 557, 55-64.	3.0	16
26	Mitochondria as a Source of Reactive Oxygen and Nitrogen Species: From Molecular Mechanisms to Human Health. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2029-2074.	5.4	344
27	Protective effects of l-carnitine and piracetam against mitochondrial permeability transition and PC3 cell necrosis induced by simvastatin. <i>European Journal of Pharmacology</i> , 2013, 701, 82-86.	3.5	33
28	Evidence that OGG1 Glycosylase Protects Neurons against Oxidative DNA Damage and Cell Death under Ischemic Conditions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 680-692.	4.3	101
29	The role of mitochondrial DNA damage in the cytotoxicity of reactive oxygen species. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 25-29.	2.3	37
30	Respiratory and TCA cycle activities affect <i>S. cerevisiae</i> lifespan, response to caloric restriction and mtDNA stability. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 483-491.	2.3	10
31	XRCC1 haploinsufficiency in mice has little effect on aging, but adversely modifies exposure-dependent susceptibility. <i>Nucleic Acids Research</i> , 2011, 39, 7992-8004.	14.5	25
32	Metabolism, Genomics, and DNA Repair in the Mouse Aging Liver. <i>Current Gerontology and Geriatrics Research</i> , 2011, 2011, 1-15.	1.6	21
33	Mechanisms of Manganese-Induced Neurotoxicity in Primary Neuronal Cultures: The Role of Manganese Speciation and Cell Type. <i>Toxicological Sciences</i> , 2011, 124, 414-423.	3.1	57
34	Mitochondrial helicases and mitochondrial genome maintenance. <i>Mechanisms of Ageing and Development</i> , 2010, 131, 503-510.	4.6	9
35	Mitochondria and aging. <i>Mechanisms of Ageing and Development</i> , 2010, 131, 449-450.	4.6	3
36	The mitochondrial transcription factor A functions in mitochondrial base excision repair. <i>DNA Repair</i> , 2010, 9, 1080-1089.	2.8	120

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37	DNA Repair and the Accumulation of Oxidatively Damaged DNA Are Affected by Fruit Intake in Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 1300-1311.	3.6	9
38	Cockayne syndrome group B protein promotes mitochondrial DNA stability by supporting the DNA repair association with the mitochondrial membrane. <i>FASEB Journal</i> , 2010, 24, 2334-2346.	0.5	124
39	Characterization of Oxidative Guanine Damage and Repair in Mammalian Telomeres. <i>PLoS Genetics</i> , 2010, 6, e1000951.	3.5	154
40	Manganese-induced development neurotoxicity is mediated by chemical speciation and probably by mitochondrial impairment. <i>Toxicology Letters</i> , 2010, 196, S307.	0.8	0
41	Mitochondrial base excision repair assays. <i>Methods</i> , 2010, 51, 416-425.	3.8	42
42	Base excision repair activities differ in human lung cancer cells and corresponding normal controls. <i>Anticancer Research</i> , 2010, 30, 4963-71.	1.1	10
43	Cockayne Syndrome Group B Protein Stimulates Repair of Formamidopyrimidines by NEIL1 DNA Glycosylase. <i>Journal of Biological Chemistry</i> , 2009, 284, 9270-9279.	3.4	92
44	The Recombination Protein RAD52 Cooperates with the Excision Repair Protein OGG1 for the Repair of Oxidative Lesions in Mammalian Cells. <i>Molecular and Cellular Biology</i> , 2009, 29, 4441-4454.	2.3	42
45	Accumulation of (5 α -S)-8,5 α -cyclo-2 α -deoxyadenosine in organs of Cockayne syndrome complementation group B gene knockout mice. <i>DNA Repair</i> , 2009, 8, 274-278.	2.8	66
46	Mitochondria and reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2009, 47, 333-343.	2.9	904
47	Role of mitochondrial hOGG1 and aconitase in oxidant-induced lung epithelial cell apoptosis. <i>Free Radical Biology and Medicine</i> , 2009, 47, 750-759.	2.9	68
48	DNA base excision repair activities in mouse models of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2009, 30, 2080-2081.	3.1	24
49	Novel DNA mismatch-repair activity involving YB-1 in human mitochondria. <i>DNA Repair</i> , 2009, 8, 704-719.	2.8	174
50	Human Embryonic Stem Cells Have Enhanced Repair of Multiple Forms of DNA Damage. <i>Stem Cells</i> , 2008, 26, 2266-2274.	3.2	193
51	Base excision repair of oxidative DNA damage and association with cancer and aging. <i>Carcinogenesis</i> , 2008, 30, 2-10.	2.8	511
52	Mitochondrial DNA, base excision repair and neurodegeneration. <i>DNA Repair</i> , 2008, 7, 1098-1109.	2.8	89
53	Removal of Oxidative DNA Damage via FEN1-Dependent Long-Patch Base Excision Repair in Human Cell Mitochondria. <i>Molecular and Cellular Biology</i> , 2008, 28, 4975-4987.	2.3	192
54	The Human Werner Syndrome Protein Stimulates Repair of Oxidative DNA Base Damage by the DNA Glycosylase NEIL1. <i>Journal of Biological Chemistry</i> , 2007, 282, 26591-26602.	3.4	100

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55	Defective DNA base excision repair in brain from individuals with Alzheimer's disease and amnesic mild cognitive impairment. <i>Nucleic Acids Research</i> , 2007, 35, 5545-5555.	14.5	253
56	DNA repair, mitochondria, and neurodegeneration. <i>Neuroscience</i> , 2007, 145, 1318-1329.	2.3	145
57	Nutrient-Sensitive Mitochondrial NAD ⁺ Levels Dictate Cell Survival. <i>Cell</i> , 2007, 130, 1095-1107.	28.9	855
58	Mitochondrial and nuclear DNA-repair capacity of various brain regions in mouse is altered in an age-dependent manner. <i>Neurobiology of Aging</i> , 2006, 27, 1129-1136.	3.1	168
59	Mitochondrial DNA damage associated with lipid peroxidation of the mitochondrial membrane induced by Fe ²⁺ -citrate. <i>Anais Da Academia Brasileira De Ciencias</i> , 2006, 78, 505-514.	0.8	41
60	Mitochondrial UCP4 Mediates an Adaptive Shift in Energy Metabolism and Increases the Resistance of Neurons to Metabolic and Oxidative Stress. <i>NeuroMolecular Medicine</i> , 2006, 8, 389-414.	3.4	167
61	Oxidized guanine lesions and hOgg1 activity in lung cancer. <i>Oncogene</i> , 2005, 24, 4496-4508.	5.9	76
62	Regulation of reactive oxygen species, DNA damage and c-Myc function by peroxiredoxin 1. <i>Oncogene</i> , 2005, 24, 8038-8050.	5.9	205
63	No evidence of mitochondrial respiratory dysfunction in OGG1-null mice deficient in removal of 8-oxodeoxyguanine from mitochondrial DNA. <i>Free Radical Biology and Medicine</i> , 2005, 38, 737-745.	2.9	80
64	Repair of Formamidopyrimidines in DNA Involves Different Glycosylases. <i>Journal of Biological Chemistry</i> , 2005, 280, 40544-40551.	3.4	174
65	Phosphorylation of human oxoguanine DNA glycosylase (hOGG1) modulates its function. <i>Nucleic Acids Research</i> , 2005, 33, 3271-3282.	14.5	66
66	Localization of mitochondrial DNA base excision repair to an inner membrane-associated particulate fraction. <i>Nucleic Acids Research</i> , 2005, 33, 3722-3732.	14.5	76
67	DNA base excision repair activities and pathway function in mitochondrial and cellular lysates from cells lacking mitochondrial DNA. <i>Nucleic Acids Research</i> , 2004, 32, 2181-2192.	14.5	53
68	Mitochondrial and nuclear DNA base excision repair are affected differently by caloric restriction. <i>FASEB Journal</i> , 2004, 18, 595-597.	0.5	109
69	p53 functions in the incorporation step in DNA base excision repair in mouse liver mitochondria. <i>Oncogene</i> , 2004, 23, 6559-6568.	5.9	89
70	Oxidative stress and mitochondrial DNA repair: implications for NRTIs induced DNA damage. <i>Mitochondrion</i> , 2004, 4, 215-222.	3.4	24
71	The C-terminal α helix of human Ogg1 is essential for 8-oxoguanine DNA glycosylase activity: the mitochondrial hOgg1 lacks this domain and does not have glycosylase activity. <i>Nucleic Acids Research</i> , 2004, 32, 5596-5608.	14.5	77
72	Compromised Incision of Oxidized Pyrimidines in Liver Mitochondria of Mice Deficient in NTH1 and OGG1 Glycosylases. <i>Journal of Biological Chemistry</i> , 2003, 278, 33701-33707.	3.4	63

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73	Base excision repair capacity in mitochondria and nuclei: tissue-specific variations. <i>FASEB Journal</i> , 2002, 16, 1895-1902.	0.5	105
74	The mitochondrial theory of aging: Involvement of mitochondrial DNA damage and repair. <i>International Review of Neurobiology</i> , 2002, 53, 519-534.	2.0	35
75	Mitochondrial DNA repair of oxidative damage in mammalian cells. <i>Gene</i> , 2002, 286, 127-134.	2.2	179
76	Mitochondrial repair of 8-oxoguanine and changes with aging. <i>Experimental Gerontology</i> , 2002, 37, 1189-1196.	2.8	63
77	Mitochondrial repair of 8-oxoguanine is deficient in Cockayne syndrome group B. <i>Oncogene</i> , 2002, 21, 8675-8682.	5.9	99
78	DNA Repair in Mammalian Mitochondria. , 2002, , 744-758.		0
79	Base excision repair in nuclear and mitochondrial DNA. <i>Progress in Molecular Biology and Translational Science</i> , 2001, 68, 285-297.	1.9	144
80	Mitochondrial Toxin 3-Nitropropionic Acid Induces Cardiac and Neurotoxicity Differentially in Mice. <i>American Journal of Pathology</i> , 2001, 159, 1507-1520.	3.8	46
81	DNA repair and mutagenesis in Werner syndrome. <i>Environmental and Molecular Mutagenesis</i> , 2001, 38, 227-234.	2.2	37
82	DNA repair and aging in mouse liver: 8-oxodG glycosylase activity increase in mitochondrial but not in nuclear extracts. <i>Free Radical Biology and Medicine</i> , 2001, 30, 916-923.	2.9	112
83	Age-associated increase in 8-oxo-deoxyguanosine glycosylase/AP lyase activity in rat mitochondria. <i>Nucleic Acids Research</i> , 1999, 27, 1935-1942.	14.5	120
84	Caspase-3-dependent Cleavage of Bcl-2 Promotes Release of Cytochrome c. <i>Journal of Biological Chemistry</i> , 1999, 274, 21155-21161.	3.4	390
85	Age-associated change in mitochondrial DNA damage. <i>Free Radical Research</i> , 1998, 29, 573-579.	3.3	158
86	Mechanism of tetrahydroxy-1,4-quinone cytotoxicity: Involvement of Ca ²⁺ and H ₂ O ₂ in the impairment of DNA replication and mitochondrial function. <i>Free Radical Biology and Medicine</i> , 1996, 20, 657-666.	2.9	11
87	Tutorial Estrutura e Estabilidade do DNA: animações interativas da estrutura tridimensional do DNA. <i>Journal of Biochemistry Education</i> , 0, 15, 75.	0.0	0