

Antonio C Santos

List of Publications by Year in descending order

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77
papers

4,100
citations

109264

35
h-index

118793

62
g-index

81
all docs

81
docs citations

81
times ranked

6255
citing authors

#	ARTICLE	IF	CITATIONS
1	Cisplatin-induced nephrotoxicity and targets of nephroprotection: an update. <i>Archives of Toxicology</i> , 2012, 86, 1233-1250.	1.9	298
2	(Pre)diabetes, brain aging, and cognition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 432-443.	1.8	296
3	Cisplatin-induced nephrotoxicity is associated with oxidative stress, redox state unbalance, impairment of energetic metabolism and apoptosis in rat kidney mitochondria. <i>Archives of Toxicology</i> , 2007, 81, 495-504.	1.9	264
4	Protective effect of topical formulations containing quercetin against UVB-induced oxidative stress in hairless mice. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2006, 84, 21-27.	1.7	239
5	Cisplatin induces mitochondrial oxidative stress with resultant energetic metabolism impairment, membrane rigidification and apoptosis in rat liver. <i>Journal of Applied Toxicology</i> , 2008, 28, 337-344.	1.4	169
6	Effect of Naturally Occurring Flavonoids on Lipid Peroxidation and Membrane Permeability Transition in Mitochondria. <i>Free Radical Biology and Medicine</i> , 1998, 24, 1455-1461.	1.3	164
7	Hypolipemic and antioxidant activities from <i>Tamarindus indica</i> L. pulp fruit extract in hypercholesterolemic hamsters. <i>Food and Chemical Toxicology</i> , 2006, 44, 810-818.	1.8	151
8	Hydroxyl radical scavenger ameliorates cisplatin-induced nephrotoxicity by preventing oxidative stress, redox state unbalance, impairment of energetic metabolism and apoptosis in rat kidney mitochondria. <i>Cancer Chemotherapy and Pharmacology</i> , 2007, 61, 145-155.	1.1	140
9	The interaction of flavonoids with mitochondria: effects on energetic processes. <i>Chemico-Biological Interactions</i> , 2005, 152, 67-78.	1.7	139
10	A proposed sequence of events for cadmium-induced mitochondrial impairment. <i>Journal of Inorganic Biochemistry</i> , 2003, 97, 251-257.	1.5	136
11	Overview of cisplatin-induced neurotoxicity and ototoxicity, and the protective agents. <i>Food and Chemical Toxicology</i> , 2020, 136, 111079.	1.8	100
12	In Vitro Interaction of Nonsteroidal Anti-inflammatory Drugs on Oxidative Phosphorylation of Rat Kidney Mitochondria: Respiration and ATP Synthesis. <i>Archives of Biochemistry and Biophysics</i> , 1996, 334, 303-308.	1.4	87
13	Diclofenac Sodium and Mefenamic Acid: Potent Inducers of the Membrane Permeability Transition in Renal Cortex Mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1997, 342, 231-235.	1.4	80
14	The Critical Role of Mitochondrial Energetic Impairment in the Toxicity of Nimesulide to Hepatocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 303, 601-607.	1.3	80
15	The neuroprotection of cannabidiol against MPP ⁺ -induced toxicity in PC12 cells involves trkA receptors, upregulation of axonal and synaptic proteins, neuritogenesis, and might be relevant to Parkinson's disease. <i>Toxicology in Vitro</i> , 2015, 30, 231-240.	1.1	75
16	Thioridazine interacts with the membrane of mitochondria acquiring antioxidant activity toward apoptosis—potentially implicated mechanisms. <i>British Journal of Pharmacology</i> , 2002, 136, 136-142.	2.7	71
17	Antioxidant activity of flavonoids in isolated mitochondria. <i>Phytotherapy Research</i> , 2008, 22, 1213-1218.	2.8	71
18	Caffeic acid phenethyl ester protects against the dopaminergic neuronal loss induced by 6-hydroxydopamine in rats. <i>Neuroscience</i> , 2013, 233, 86-94.	1.1	69

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19	Fluoxetine interacts with the lipid bilayer of the inner membrane in isolated rat brain mitochondria, inhibiting electron transport and F1F0-ATPase activity. <i>Molecular and Cellular Biochemistry</i> , 1999, 199, 103-109.	1.4	62
20	Effects of nimesulide and its reduced metabolite on mitochondria. <i>British Journal of Pharmacology</i> , 2000, 131, 1154-1160.	2.7	58
21	Carvedilol protects against cisplatin-induced oxidative stress, redox state unbalance and apoptosis in rat kidney mitochondria. <i>Chemico-Biological Interactions</i> , 2011, 189, 45-51.	1.7	54
22	Occupational exposure to lead, kidney function tests, and blood pressure. <i>American Journal of Industrial Medicine</i> , 1994, 26, 635-643.	1.0	52
23	Evaluation of the cytotoxicity and genotoxicity of curcumin in PC12 cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 675, 29-34.	0.9	52
24	Potential toxicity of toluene and xylene evoked by mitochondrial uncoupling. <i>Toxicology in Vitro</i> , 2007, 21, 782-788.	1.1	51
25	Aromatic antiepileptic drugs and mitochondrial toxicity: Effects on mitochondria isolated from rat liver. <i>Toxicology in Vitro</i> , 2008, 22, 1143-1152.	1.1	48
26	Involvement of oxidative stress in the hepatotoxicity induced by aromatic antiepileptic drugs. <i>Toxicology in Vitro</i> , 2008, 22, 1820-1824.	1.1	48
27	Dimethylthiourea protects against mitochondrial oxidative damage induced by cisplatin in liver of rats. <i>Chemico-Biological Interactions</i> , 2007, 170, 177-186.	1.7	47
28	Immunohistochemical, tomographic and histological study on onlay iliac grafts remodeling. <i>Clinical Oral Implants Research</i> , 2008, 19, 393-401.	1.9	47
29	Antioxidant activity of isocoumarins isolated from <i>Paepalanthus bromelioides</i> on mitochondria. <i>Phytochemistry</i> , 2007, 68, 1075-1080.	1.4	43
30	Protective effect of bixin on cisplatin-induced genotoxicity in PC12 cells. <i>Food and Chemical Toxicology</i> , 2012, 50, 335-340.	1.8	40
31	In situ evidence of an alternative oxidase and an uncoupling protein in the respiratory chain of <i>Aspergillus fumigatus</i> . <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 162-172.	1.2	39
32	Evaluation of functional stability of quercetin as a raw material and in different topical formulations by its antilipoperoxidative activity. <i>AAPS PharmSciTech</i> , 2006, 7, E64-E71.	1.5	39
33	Carvedilol protects against the renal mitochondrial toxicity induced by cisplatin in rats. <i>Mitochondrion</i> , 2010, 10, 46-53.	1.6	38
34	In vitro study of the neuropathic potential of the organophosphorus compounds trichlorfon and acephate. <i>Toxicology in Vitro</i> , 2015, 29, 522-528.	1.1	38
35	Mechanisms for consideration for intervention in the development of organophosphorus-induced delayed neuropathy. <i>Chemico-Biological Interactions</i> , 2012, 199, 177-184.	1.7	36
36	Dehydromonocrotaline inhibits mitochondrial complex I. A potential mechanism accounting for hepatotoxicity of monocrotaline. <i>Toxicol</i> , 2007, 50, 724-730.	0.8	34

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37	Caffeic acid phenethyl ester (CAPE) protects PC12 cells from MPP+ toxicity by inducing the expression of neuron-typical proteins. <i>NeuroToxicology</i> , 2014, 45, 131-138.	1.4	33
38	Effects of minocycline add-on treatment on brain morphometry and cerebral perfusion in recent-onset schizophrenia. <i>Schizophrenia Research</i> , 2015, 161, 439-445.	1.1	33
39	Flufenamic acid as an inducer of mitochondrial permeability transition. <i>Molecular and Cellular Biochemistry</i> , 2000, 210, 153-158.	1.4	31
40	A new derivatization procedure for the analysis of hippuric acid and m-methyl-hippuric acid by gas chromatography. <i>International Archives of Occupational and Environmental Health</i> , 1991, 63, 33-37.	1.1	28
41	Hg(II)-induced renal cytotoxicity: in vitro and in vivo implications for the bioenergetic and oxidative status of mitochondria. <i>Molecular and Cellular Biochemistry</i> , 1997, 177, 53-59.	1.4	28
42	Effects of zinc phthalocyanine tetrasulfonate-based photodynamic therapy on rat brain isolated mitochondria. <i>Chemico-Biological Interactions</i> , 2009, 179, 402-406.	1.7	27
43	Caffeic Acid Phenethyl Ester (CAPE) Protects PC12 Cells from Cisplatin-Induced Neurotoxicity by Activating the NCF-Signaling Pathway. <i>Neurotoxicity Research</i> , 2018, 34, 32-46.	1.3	26
44	Caffeic Acid Phenethyl Ester (CAPE) Protects PC12 Cells Against Cisplatin-Induced Neurotoxicity by Activating the AMPK/SIRT1, MAPK/Erk, and PI3k/Akt Signaling Pathways. <i>Neurotoxicity Research</i> , 2019, 36, 175-192.	1.3	25
45	The cannabinoid beta-caryophyllene (BCP) induces neuritogenesis in PC12 cells by a cannabinoid-receptor-independent mechanism. <i>Chemico-Biological Interactions</i> , 2017, 261, 86-95.	1.7	23
46	Ca ²⁺ binding to c-state of adenine nucleotide translocase (ANT)-surrounding cardiolipins enhances (ANT)-Cys56 relative mobility: A computational-based mitochondrial permeability transition study. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 176-182.	0.5	22
47	Vimang (Mangifera indica L. extract) induces permeability transition in isolated mitochondria, closely reproducing the effect of mangiferin, Vimang's main component. <i>Chemico-Biological Interactions</i> , 2006, 159, 141-148.	1.7	21
48	Effects of isocoumarins isolated from Paepalanthus bromelioides on mitochondria: Uncoupling, and induction/inhibition of mitochondrial permeability transition. <i>Chemico-Biological Interactions</i> , 2006, 161, 155-164.	1.7	21
49	Effects on mitochondria of mitochondria-induced nitric oxide release from a ruthenium nitrosyl complex. <i>Nitric Oxide - Biology and Chemistry</i> , 2009, 20, 24-30.	1.2	20
50	Mitochondrial Uncoupling by the Sulindac Metabolite, Sulindac Sulfide. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2006, 99, 294-299.	1.2	19
51	Impact of adenosine nucleotide translocase (ANT) proline isomerization on Ca ²⁺ -induced cysteine relative mobility/mitochondrial permeability transition pore. <i>Journal of Bioenergetics and Biomembranes</i> , 2010, 42, 329-335.	1.0	19
52	Carvedilol Protects Against Apoptotic Cell Death Induced by Cisplatin in Renal Tubular Epithelial Cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2012, 75, 981-990.	1.1	19
53	Effect of diabetes on biodistribution, nephrotoxicity and antitumor activity of cisplatin in mice. <i>Chemico-Biological Interactions</i> , 2015, 229, 119-131.	1.7	19
54	Coenzyme Q10 and its effects in the treatment of neurodegenerative diseases. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2009, 45, 607-618.	1.2	18

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55	Release of NO from a nitrosyl ruthenium complex through oxidation of mitochondrial NADH and effects on mitochondria. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 26, 174-181.	1.2	18
56	A synthetic snake-venom-based tripeptide (Glu-Val-Trp) protects PC12 cells from MPP + toxicity by activating the NGF-signaling pathway. <i>Peptides</i> , 2018, 104, 24-34.	1.2	17
57	A tripeptide isolated from <i>Bothrops atrox</i> venom has neuroprotective and neurotrophic effects on a cellular model of Parkinson's disease. <i>Chemico-Biological Interactions</i> , 2015, 235, 10-16.	1.7	16
58	Low-molecular-mass peptides from the venom of the Amazonian viper <i>Bothrops atrox</i> protect against brain mitochondrial swelling in rat: Potential for neuroprotection. <i>Toxicon</i> , 2010, 56, 86-92.	0.8	15
59	Influence of nonsteroidal anti-inflammatory drugs on calcium efflux in isolated rat renal cortex mitochondria and aspects of the mechanisms involved. <i>International Journal of Biochemistry and Cell Biology</i> , 1998, 30, 961-965.	1.2	14
60	Carvedilol efficiently protects kidneys without affecting the antitumor efficacy of cisplatin in mice. <i>Chemico-Biological Interactions</i> , 2013, 206, 90-99.	1.7	14
61	In vitro study of the neuropathic potential of the organophosphorus compounds fenamiphos and profenofos: Comparison with mipafox and paraoxon. <i>Toxicology in Vitro</i> , 2015, 29, 1079-1087.	1.1	12
62	Characterization of the stimulus for reactive oxygen species generation in calcium-overloaded mitochondria. <i>Redox Report</i> , 2011, 16, 108-113.	1.4	10
63	High concentration of trichlorfon (1 mM) disrupts axonal cytoskeleton and decreases the expression of plasticity-related proteins in SH-SY5Y cells. <i>Toxicology in Vitro</i> , 2017, 39, 84-92.	1.1	10
64	Acquired hepatocerebral degeneration and hepatic encephalopathy: correlations and variety of clinical presentations in overt and subclinical liver disease. <i>Arquivos De Neuro-Psiquiatria</i> , 2011, 69, 496-501.	0.3	10
65	An Improved Method for the Simultaneous Determination of Mandelic and Phenylglyoxylic Acids by Gas Chromatography. <i>Journal of Analytical Toxicology</i> , 1994, 18, 143-146.	1.7	9
66	Non-cytotoxic Concentration of Cisplatin Decreases Neuroplasticity-Related Proteins and Neurite Outgrowth Without Affecting the Expression of NGF in PC12 Cells. <i>Neurochemical Research</i> , 2016, 41, 2993-3003.	1.6	9
67	A Synthetic Snake-Venom-Based Tripeptide Protects PC12 Cells from the Neurotoxicity of Acrolein by Improving Axonal Plasticity and Bioenergetics. <i>Neurotoxicity Research</i> , 2020, 37, 227-237.	1.3	9
68	Effects of H2-receptor antagonists on dapsone-induced methaemoglobinaemia in rats. <i>Pharmacological Research</i> , 2002, 45, 269-273.	3.1	8
69	L- and T-type calcium channel blockers protect against the inhibitory effects of mipafox on neurite outgrowth and plasticity-related proteins in SH-SY5Y cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017, 80, 1086-1097.	1.1	8
70	Carvedilol protects the kidneys of tumor-bearing mice without impairing the biodistribution or the genotoxicity of cisplatin. <i>Chemico-Biological Interactions</i> , 2016, 245, 59-65.	1.7	7
71	The antibiotic doxycycline mimics the NGF signaling in PC12 cells: A relevant mechanism for neuroprotection. <i>Chemico-Biological Interactions</i> , 2021, 341, 109454.	1.7	7
72	The Neurotrophic-Like Effect of Carvacrol: Perspective for Axonal and Synaptic Regeneration. <i>Neurotoxicity Research</i> , 2021, 39, 886-896.	1.3	6

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73	The Antidiabetic Drug Liraglutide Minimizes the Non-Cholinergic Neurotoxicity of the Pesticide Mipaflox in SH-SY5Y Cells. <i>Neurotoxicity Research</i> , 2019, 35, 150-159.	1.3	4
74	4-hydroxy nimesulide effects on mitochondria and HepG2 cells. A comparison with nimesulide. <i>European Journal of Pharmacology</i> , 2007, 566, 43-49.	1.7	3
75	Antioxidants and Inhibition of Cisplatin-Induced Kidney Injury: Role of Mitochondria. , 2012, , 407-425.		2
76	Dual effects of S-adenosyl-methionine on PC12 cells exposed to the dopaminergic neurotoxin MPP+. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1427-1435.	1.2	2
77	Baccharin from Brazilian green propolis induces neurotrophic signaling pathways in PC12 cells: potential for axonal and synaptic regeneration. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2022, 395, 659.	1.4	1