Antonio C Santos

List of Publications by Year
in descending order

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	Baccharin from Brazilian green propolis induces neurotrophic signaling pathways in PC12 cells: potential for axonal and synaptic regeneration. Naunyn-Schmiedeberg's Archives of Pharmacology, 2022, 395, 659.	1.4	1
2	The Neurotrophic-Like Effect of Carvacrol: Perspective for Axonal and Synaptic Regeneration. Neurotoxicity Research, 2021, 39, 886-896.	1.3	6
3	The antibiotic doxycycline mimics the NGF signaling in PC12Âcells: A relevant mechanism for neuroprotection. Chemico-Biological Interactions, 2021, 341, 109454.	1.7	7
4	A Synthetic Snake-Venom-Based Tripeptide Protects PC12 Cells from the Neurotoxicity of Acrolein by Improving Axonal Plasticity and Bioenergetics. Neurotoxicity Research, 2020, 37, 227-237.	1.3	9
5	Overview of cisplatin-induced neurotoxicity and ototoxicity, and the protective agents. Food and Chemical Toxicology, 2020, 136, 111079.	1.8	100
6	Dual effects of S-adenosyl-methyonine on PC12 cells exposed to the dopaminergic neurotoxin MPP+. Journal of Pharmacy and Pharmacology, 2020, 72, 1427-1435.	1.2	2
7	The Antidiabetic Drug Liraglutide Minimizes the Non-Cholinergic Neurotoxicity of the Pesticide Mipafox in SH-SY5Y Cells. Neurotoxicity Research, 2019, 35, 150-159.	1.3	4
8	Caffeic Acid Phenethyl Ester (CAPE) Protects PC12 Cells Against Cisplatin-Induced Neurotoxicity by Activating the AMPK/SIRT1, MAPK/Erk, and PI3k/Akt Signaling Pathways. Neurotoxicity Research, 2019, 36, 175-192.	1.3	25
9	A synthetic snake-venom-based tripeptide (Glu-Val-Trp) protects PC12 cells from MPP + toxicity by activating the NGF-signaling pathway. Peptides, 2018, 104, 24-34.	1.2	17
10	Caffeic Acid Phenethyl Ester (CAPE) Protects PC12 Cells from Cisplatin-Induced Neurotoxicity by Activating the NGF-Signaling Pathway. Neurotoxicity Research, 2018, 34, 32-46.	1.3	26
11	High concentration of trichlorfon (1 mM) disrupts axonal cytoskeleton and decreases the expression of plasticity-related proteins in SH-SY5Y cells. Toxicology in Vitro, 2017, 39, 84-92.	1.1	10
12	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. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 1086-1097.	1.1	8
13	The cannabinoid beta-caryophyllene (BCP) induces neuritogenesis in PC12 cells by a cannabinoid-receptor-independent mechanism. Chemico-Biological Interactions, 2017, 261, 86-95.	1.7	23
14	Non-cytotoxic Concentration of Cisplatin Decreases Neuroplasticity-Related Proteins and Neurite Outgrowth Without Affecting the Expression of NGF in PC12 Cells. Neurochemical Research, 2016, 41, 2993-3003.	1.6	9
15	Carvedilol protects the kidneys of tumor-bearing mice without impairing the biodistribution or the genotoxicity of cisplatin. Chemico-Biological Interactions, 2016, 245, 59-65.	1.7	7
16	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. Toxicology in Vitro, 2015, 30, 231-240.	1.1	75
17	In vitro study of the neuropathic potential of the organophosphorus compounds trichlorfon and acephate. Toxicology in Vitro, 2015, 29, 522-528.	1.1	38
18	Effect of diabetes on biodistribution, nephrotoxicity and antitumor activity of cisplatin in mice. Chemico-Biological Interactions, 2015, 229, 119-131.	1.7	19

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19	In vitro study of the neuropathic potential of the organophosphorus compounds fenamiphos and profenofos: Comparison with mipafox and paraoxon. Toxicology in Vitro, 2015, 29, 1079-1087.	1.1	12
20	A tripeptide isolated from Bothrops atrox venom has neuroprotective and neurotrophic effects on a cellular model of Parkinsonâ€™s disease. Chemico-Biological Interactions, 2015, 235, 10-16.	1.7	16
21	Effects of minocycline add-on treatment on brain morphometry and cerebral perfusion in recent-onset schizophrenia. Schizophrenia Research, 2015, 161, 439-445.	1.1	33
22	Caffeic acid phenethyl ester (CAPE) protects PC12 cells from MPP+ toxicity by inducing the expression of neuron-typical proteins. NeuroToxicology, 2014, 45, 131-138.	1.4	33
23	Caffeic acid phenethyl ester protects against the dopaminergic neuronal loss induced by 6-hydroxydopamine in rats. Neuroscience, 2013, 233, 86-94.	1.1	69
24	Carvedilol efficiently protects kidneys without affecting the antitumor efficacy of cisplatin in mice. Chemico-Biological Interactions, 2013, 206, 90-99.	1.7	14
25	Mechanisms for consideration for intervention in the development of organophosphorus-induced delayed neuropathy. Chemico-Biological Interactions, 2012, 199, 177-184.	1.7	36
26	Carvedilol Protects Against Apoptotic Cell Death Induced by Cisplatin in Renal Tubular Epithelial Cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 981-990.	1.1	19
27	Release of NO from a nitrosyl ruthenium complex through oxidation of mitochondrial NADH and effects on mitochondria. Nitric Oxide - Biology and Chemistry, 2012, 26, 174-181.	1.2	18
28	Cisplatin-induced nephrotoxicity and targets of nephroprotection: an update. Archives of Toxicology, 2012, 86, 1233-1250.	1.9	298
29	Protective effect of bixin on cisplatin-induced genotoxicity in PC12 cells. Food and Chemical Toxicology, 2012, 50, 335-340.	1.8	40
30	Antioxidants and Inhibition of Cisplatin-Induced Kidney Injury: Role of Mitochondria. , 2012, , 407-425.		2
31	Characterization of the stimulus for reactive oxygen species generation in calcium-overloaded mitochondria. Redox Report, 2011, 16, 108-113.	1.4	10
32	Carvedilol protects against cisplatin-induced oxidative stress, redox state unbalance and apoptosis in rat kidney mitochondria. Chemico-Biological Interactions, 2011, 189, 45-51.	1.7	54
33	Acquired hepatocerebral degeneration and hepatic encephalopathy: correlations and variety of clinical presentations in overt and subclinical liver disease. Arquivos De Neuro-Psiquiatria, 2011, 69, 496-501.	0.3	10
34	Impact of adenosine nucleotide translocase (ANT) proline isomerization on Ca2+-induced cysteine relative mobility/mitochondrial permeability transition pore. Journal of Bioenergetics and Biomembranes, 2010, 42, 329-335.	1.0	19
35	Low-molecular-mass peptides from the venom of the Amazonian viper Bothrops atrox protect against brain mitochondrial swelling in rat: Potential for neuroprotection. Toxicon, 2010, 56, 86-92.	0.8	15
36	Carvedilol protects against the renal mitochondrial toxicity induced by cisplatin in rats. Mitochondrion, 2010, 10, 46-53.	1.6	38

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37	Coenzyme Q10 and its effects in the treatment of neurodegenerative diseases. Brazilian Journal of Pharmaceutical Sciences, 2009, 45, 607-618.	1.2	18
38	Ca2+ binding to c-state of adenine nucleotide translocase (ANT)-surrounding cardiolipins enhances (ANT)-Cys56 relative mobility: A computational-based mitochondrial permeability transition study. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 176-182.	0.5	22
39	Effects of zinc phthalocyanine tetrasulfonate-based photodynamic therapy on rat brain isolated mitochondria. Chemico-Biological Interactions, 2009, 179, 402-406.	1.7	27
40	(Pre)diabetes, brain aging, and cognition. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 432-443.	1.8	296
41	Effects on mitochondria of mitochondria-induced nitric oxide release from a ruthenium nitrosyl complex. Nitric Oxide - Biology and Chemistry, 2009, 20, 24-30.	1.2	20
42	Evaluation of the cytotoxicity and genotoxicity of curcumin in PC12 cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 675, 29-34.	0.9	52
43	Antioxidant activity of flavonoids in isolated mitochondria. Phytotherapy Research, 2008, 22, 1213-1218.	2.8	71
44	Cisplatin induces mitochondrial oxidative stress with resultant energetic metabolism impairment, membrane rigidification and apoptosis in rat liver. Journal of Applied Toxicology, 2008, 28, 337-344.	1.4	169
45	Immunohistochemical, tomographic and histological study on onlay iliac grafts remodeling. Clinical Oral Implants Research, 2008, 19, 393-401.	1.9	47
46	Aromatic antiepileptic drugs and mitochondrial toxicity: Effects on mitochondria isolated from rat liver. Toxicology in Vitro, 2008, 22, 1143-1152.	1.1	48
47	Involvement of oxidative stress in the hepatotoxicity induced by aromatic antiepileptic drugs. Toxicology in Vitro, 2008, 22, 1820-1824.	1.1	48
48	Potential toxicity of toluene and xylene evoked by mitochondrial uncoupling. Toxicology in Vitro, 2007, 21, 782-788.	1.1	51
49	Dehydromonocrotaline inhibits mitochondrial complex I. A potential mechanism accounting for hepatotoxicity of monocrotaline. Toxicon, 2007, 50, 724-730.	0.8	34
50	Antioxidant activity of isocoumarins isolated from Paepalanthus bromelioides on mitochondria. Phytochemistry, 2007, 68, 1075-1080.	1.4	43
51	Dimethylthiourea protects against mitochondrial oxidative damage induced by cisplatin in liver of rats. Chemico-Biological Interactions, 2007, 170, 177-186.	1.7	47
52	4-hydroxy nimesulide effects on mitochondria and HepG2 cells. A comparison with nimesulide. European Journal of Pharmacology, 2007, 566, 43-49.	1.7	3
53	Cisplatin-induced nephrotoxicity is associated with oxidative stress, redox state unbalance, impairment of energetic metabolism and apoptosis in rat kidney mitochondria. Archives of Toxicology, 2007, 81, 495-504.	1.9	264
54	Hydroxyl radical scavenger ameliorates cisplatin-induced nephrotoxicity by preventing oxidative stress, redox state unbalance, impairment of energetic metabolism and apoptosis in rat kidney mitochondria. Cancer Chemotherapy and Pharmacology, 2007, 61, 145-155.	1.1	140

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55	Hypolipemic and antioxidant activities from Tamarindus indica L. pulp fruit extract in hypercholesterolemic hamsters. Food and Chemical Toxicology, 2006, 44, 810-818.	1.8	151
56	Mitochondrial Uncoupling by the Sulindac Metabolite, Sulindac Sulfide. Basic and Clinical Pharmacology and Toxicology, 2006, 99, 294-299.	1.2	19
57	Protective effect of topical formulations containing quercetin against UVB-induced oxidative stress in hairless mice. Journal of Photochemistry and Photobiology B: Biology, 2006, 84, 21-27.	1.7	239
58	Evaluation of functional stability of quercetin as a raw material and in different topical formulations by its antilipoperoxidative activity. AAPS PharmSciTech, 2006, 7, E64-E71.	1.5	39
59	Vimang (Mangifera indica L. extract) induces permeability transition in isolated mitochondria, closely reproducing the effect of mangiferin, Vimang's main component. Chemico-Biological Interactions, 2006, 159, 141-148.	1.7	21
60	Effects of isocoumarins isolated from Paepalanthus bromelioides on mitochondria: Uncoupling, and induction/inhibition of mitochondrial permeability transition. Chemico-Biological Interactions, 2006, 161, 155-164.	1.7	21
61	The interaction of flavonoids with mitochondria: effects on energetic processes. Chemico-Biological Interactions, 2005, 152, 67-78.	1.7	139
62	In situ evidence of an alternative oxidase and an uncoupling protein in the respiratory chain of Aspergillus fumigatus. International Journal of Biochemistry and Cell Biology, 2004, 36, 162-172.	1.2	39
63	A proposed sequence of events for cadmium-induced mitochondrial impairment. Journal of Inorganic Biochemistry, 2003, 97, 251-257.	1.5	136
64	The Critical Role of Mitochondrial Energetic Impairment in the Toxicity of Nimesulide to Hepatocytes. Journal of Pharmacology and Experimental Therapeutics, 2002, 303, 601-607.	1.3	80
65	Effects of H2-receptor antagonists on dapsone-induced methaemoglobinaemia in rats. Pharmacological Research, 2002, 45, 269-273.	3.1	8
66	Thioridazine interacts with the membrane of mitochondria acquiring antioxidant activity toward apoptosisâ€ƒ-â€ƒpotentially implicated mechanisms. British Journal of Pharmacology, 2002, 136, 136-142.	2.7	71
67	Effects of nimesulide and its reduced metabolite on mitochondria. British Journal of Pharmacology, 2000, 131, 1154-1160.	2.7	58
68	Flufenamic acid as an inducer of mitochondrial permeability transition. Molecular and Cellular Biochemistry, 2000, 210, 153-158.	1.4	31
69	Fluoxetine interacts with the lipid bilayer of the inner membrane in isolated rat brain mitochondria, inhibiting electron transport and F1F0-ATPase activity. Molecular and Cellular Biochemistry, 1999, 199, 103-109.	1.4	62
70	Effect of Naturally Occurring Flavonoids on Lipid Peroxidation and Membrane Permeability Transition in Mitochondria. Free Radical Biology and Medicine, 1998, 24, 1455-1461.	1.3	164
71	Influence of nonsteroidal anti-inflammatory drugs on calcium efflux in isolated rat renal cortex mitochondria and aspects of the mechanisms involved. International Journal of Biochemistry and Cell Biology, 1998, 30, 961-965.	1.2	14
72	Diclofenac Sodium and Mefenamic Acid: Potent Inducers of the Membrane Permeability Transition in Renal Cortex Mitochondria. Archives of Biochemistry and Biophysics, 1997, 342, 231-235.	1.4	80

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73	Hg(II)-induced renal cytotoxicity: in vitro and in vivo implications for the bioenergetic and oxidative status of mitochondria. Molecular and Cellular Biochemistry, 1997, 177, 53-59.	1.4	28
74	In VitroInteraction of Nonsteroidal Anti-inflammatory Drugs on Oxidative Phosphorylation of Rat Kidney Mitochondria: Respiration and ATP Synthesis. Archives of Biochemistry and Biophysics, 1996, 334, 303-308.	1.4	87
75	An Improved Method for the Simultaneous Determination of Mandelic and Phenylglyoxylic Acids by Gas Chromatography. Journal of Analytical Toxicology, 1994, 18, 143-146.	1.7	9
76	Occupational exposure to lead, kidney function tests, and blood pressure. American Journal of Industrial Medicine, 1994, 26, 635-643.	1.0	52
77	A new derivatization procedure for the analysis of hippuric acid and m-methyl-hippuric acid by gas chromatography. International Archives of Occupational and Environmental Health, 1991, 63, 33-37.	1.1	28