Santos A. Susin

List of Publications by Year
in descending order

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127 papers	30,828 citations	12597 71 h-index	18400 124 g-index
128 all docs	128 docs citations	128 times ranked	23354 citing authors

#	Article	IF	Citations
1	Keeping Cell Death Alive: An Introduction into the French Cell Death Research Network. Biomolecules, 2022, 12, 901.	1.8	2
2	Activation of Interferon Signaling in Chronic Lymphocytic Leukemia Cells Contributes to Apoptosis Resistance via a JAK-Src/STAT3/Mcl-1 Signaling Pathway. Biomedicines, 2021, 9, 188.	1.4	8
3	Relation of Neutrophil Gelatinase-Associated Lipocalin Overexpression to the Resistance to Apoptosis of Tumor B Cells in Chronic Lymphocytic Leukemia. Cancers, 2020, 12, 2124.	1.7	7
4	Mitochondrial AIF loss causes metabolic reprogramming, caspase-independent cell death blockade, embryonic lethality, and perinatal hydrocephalus. Molecular Metabolism, 2020, 40, 101027.	3.0	26
5	Homotrimerization Approach in the Design of Thrombospondin-1 Mimetic Peptides with Improved Potency in Triggering Regulated Cell Death of Cancer Cells. Journal of Medicinal Chemistry, 2019, 62, 7656-7668.	2.9	4
6	Genetic characterization of B-cell prolymphocytic leukemia: a prognostic model involving MYC and TP53. Blood, 2019, 134, 1821-1831.	0.6	18
7	Gain of the short arm of chromosome 2 (2p gain) has a significant role in drugâ€resistant chronic lymphocytic leukemia. Cancer Medicine, 2019, 8, 3131-3141.	1.3	10
8	Targeting chronic lymphocytic leukemia with N-methylated thrombospondin-1â€"derived peptides overcomes drug resistance. Blood Advances, 2019, 3, 2920-2933.	2.5	11
9	<scp>CD</scp>47 agonist peptide <scp>PKHB</scp>1 induces immunogenic cell death in Tâ€cell acute lymphoblastic leukemia cells. Cancer Science, 2019, 110, 256-268.	1.7	52
10	AIF loss deregulates hematopoiesis and reveals different adaptive metabolic responses in bone marrow cells and thymocytes. Cell Death and Differentiation, 2018, 25, 983-1001.	5.0	49
11	â€œDoubleâ€hitâ€•chronic lymphocytic leukemia: An aggressive subgroup with 17p deletion and 8q24 gain. American Journal of Hematology, 2018, 93, 375-382.	2.0	13
12	Revisiting Neutrophil Gelatinase-Associated Lipocalin (NGAL) in Cancer: Saint or Sinner?. Cancers, 2018, 10, 336.	1.7	40
13	Mitochondrial OXPHOS influences immune cell fate: lessons from hematopoietic AIF-deficient and NDUFS4-deficient mouse models. Cell Death and Disease, 2018, 9, 581.	2.7	7
14	Gain in the short arm of chromosome 2 (2p+) induces gene overexpression and drug resistance in chronic lymphocytic leukemia: analysis of the central role of XPO1. Leukemia, 2017, 31, 1625-1629.	3.3	38
15	Concomitant elevations of MMPâ€9, NGAL, proMMPâ€9/NGAL and neutrophil elastase in serum of smokers with chronic obstructive pulmonary disease. Journal of Cellular and Molecular Medicine, 2017, 21, 1280-1291.	1.6	22
16	Thrombospondin-1 Mimetic Agonist Peptides Induce Selective Death in Tumor Cells: Design, Synthesis, and Structureâ€"Activity Relationship Studies. Journal of Medicinal Chemistry, 2016, 59, 8412-8421.	2.9	29
17	CD47 Agonist Peptides Induce Programmed Cell Death in Refractory Chronic Lymphocytic Leukemia B Cells via PLCÎ³1 Activation: Evidence from Mice and Humans. PLoS Medicine, 2015, 12, e1001796.	3.9	65
18	Key Residues Regulating the Reductase Activity of the Human Mitochondrial Apoptosis Inducing Factor. Biochemistry, 2015, 54, 5175-5184.	1.2	25

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19	The Gain of the Short Arm of Chromosome 2 (2p+) Induces XPO1 Overexpression and Drug Resistance in Chronic Lymphocytic Leukemia. Blood, 2015, 126, 492-492.	0.6	1
20	Structural Insights into the Coenzyme Mediated Monomerâ€"Dimer Transition of the Pro-Apoptotic Apoptosis Inducing Factor. Biochemistry, 2014, 53, 4204-4215.	1.2	52
21	The Oxido-reductase Activity of the Apoptosis Inducing Factor: A Promising Pharmacological Tool?. Current Pharmaceutical Design, 2013, 19, 2628-2636.	0.9	10
22	BID regulates AIF-mediated caspase-independent necroptosis by promoting BAX activation. Cell Death and Differentiation, 2012, 19, 245-256.	5.0	110
23	AIF-mediated caspase-independent necroptosis requires ATM and DNA-PK-induced histone H2AX Ser139 phosphorylation. Cell Death and Disease, 2012, 3, e390-e390.	2.7	82
24	CD47high Expression on CD4 Effectors Identifies Functional Long-Lived Memory T Cell Progenitors. Journal of Immunology, 2012, 188, 4249-4255.	0.4	20
25	CD47Low Status on CD4 Effectors Is Necessary for the Contraction/Resolution of the Immune Response in Humans and Mice. PLoS ONE, 2012, 7, e41972.	1.1	26
26	AIFâ€mediated caspaseâ€independent necroptosis: A new chance for targeted therapeutics. IUBMB Life, 2011, 63, 221-232.	1.5	148
27	Functional assessment of p53 in chronic lymphocytic leukemia. Blood Cancer Journal, 2011, 1, e5-e5.	2.8	13
28	Programmed Necrosis: A â€œNewâ€•Cell Death Outcome for Injured Adult Neurons?. , 2010, , 35-66.		0
29	Different contribution of BH3-only proteins and caspases to doxorubicin-induced apoptosis in p53-deficient leukemia cells. Biochemical Pharmacology, 2010, 79, 1746-1758.	2.0	26
30	AIF promotes chromatinolysis and caspase-independent programmed necrosis by interacting with histone H2AX. EMBO Journal, 2010, 29, 1585-1599.	3.5	197
31	Histone H2AX: The missing link in AIF-mediated caspase-independent programmed necrosis. Cell Cycle, 2010, 9, 3186-3193.	1.3	86
32	p16Ink4A, not only a G₁inhibitor?. Cell Cycle, 2010, 9, 3166-3170.	1.3	72
33	Caspase-independent type III PCD: a new means to modulate cell death in chronic lymphocytic leukemia. Leukemia, 2009, 23, 974-977.	3.3	9
34	Caspase-independent type III programmed cell death in chronic lymphocytic leukemia: the key role of the F-actin cytoskeleton. Haematologica, 2009, 94, 507-517.	1.7	26
35	Highly cytotoxic and neurotoxic acetogenins of the Annonaceae: New putative biological targets of squamocin detected by activity-based protein profiling. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5741-5744.	1.0	22
36	CD47 in the Immune Response: Role of Thrombospondin and SIRP-α Reverse Signaling. Current Drug Targets, 2008, 9, 842-850.	1.0	73

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37	AIF-Mediated Programmed Necrosis: A Highly Orchestrated Way to Die. Cell Cycle, 2007, 6, 2612-2619.	1.3	153
38	Sequential Activation of Poly(ADP-Ribose) Polymerase 1, Calpains, and Bax Is Essential in Apoptosis-Inducing Factor-Mediated Programmed Necrosis. Molecular and Cellular Biology, 2007, 27, 4844-4862.	1.1	298
39	Drp1 Mediates Caspase-Independent Type III Cell Death in Normal and Leukemic Cells. Molecular and Cellular Biology, 2007, 27, 7073-7088.	1.1	98
40	Expression of cortical and hippocampal apoptosis-inducing factor (AIF) in aging and Alzheimer's disease. Neurobiology of Aging, 2007, 28, 351-356.	1.5	35
41	Therapeutic potential of AIF-mediated caspase-independent programmed cell death. Drug Resistance Updates, 2007, 10, 235-255.	6.5	118
42	CD44 ligation induces caspase-independent cell death via a novel calpain/AIF pathway in human erythroleukemia cells. Oncogene, 2006, 25, 5741-5751.	2.6	45
43	Regulation of apoptosis/necrosis execution in cadmium-treated human promonocytic cells under different forms of oxidative stress. Apoptosis: an International Journal on Programmed Cell Death, 2006, 11, 673-686.	2.2	54
44	Semisynthesis and Screening of a Small Library of Pro-Apoptotic Squamocin Analogues: Selection and Study of a Benzoquinone Hybrid with an Improved Biological Profile.. ChemMedChem, 2006, 1, 118-129.	1.6	17
45	AIFsh, a Novel Apoptosis-inducing Factor (AIF) Pro-apoptotic Isoform with Potential Pathological Relevance in Human Cancer. Journal of Biological Chemistry, 2006, 281, 6413-6427.	1.6	71
46	Identification and Characterization of AIFsh2, a Mitochondrial Apoptosis-inducing Factor (AIF) Isoform with NADH Oxidase Activity. Journal of Biological Chemistry, 2006, 281, 18507-18518.	1.6	51
47	Use of Penetrating Peptides Interacting with PP1/PP2A Proteins As a General Approach for a Drug Phosphatase Technology. Molecular Pharmacology, 2006, 69, 1115-1124.	1.0	46
48	Cysteine protease inhibition prevents mitochondrial apoptosis-inducing factor (AIF) release. Cell Death and Differentiation, 2005, 12, 1445-1448.	5.0	119
49	Annonaceous Acetogenins: The Hydroxyl Groups and THF Rings Are Crucial Structural Elements for Targeting the Mitochondria, Demonstration with the Synthesis of Fluorescent Squamocin Analogues. ChemBioChem, 2005, 6, 979-982.	1.3	42
50	Programmed cell death via mitochondria: Different modes of dying. Biochemistry (Moscow), 2005, 70, 231-239.	0.7	274
51	The Contribution of Apoptosis-inducing Factor, Caspase-activated DNase, and Inhibitor of Caspase-activated DNase to the Nuclear Phenotype and DNA Degradation during Apoptosis. Journal of Biological Chemistry, 2005, 280, 35670-35683.	1.6	80
52	A Dual Role of IFN-Î± in the Balance between Proliferation and Death of Human CD4+ T Lymphocytes during Primary Response. Journal of Immunology, 2004, 173, 3740-3747.	0.4	51
53	Mitochondrial effectors in caspase-independent cell death. FEBS Letters, 2004, 557, 14-20.	1.3	157
54	Apoptosis Inversely Correlates with Rabies Virus Neurotropism. Annals of the New York Academy of Sciences, 2003, 1010, 598-603.	1.8	25

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55	High level of Bcl-2 counteracts apoptosis mediated by a live rabies virus vaccine strain and induces long-term infection. Virology, 2003, 314, 549-561.	1.1	34
56	Clearance of Apoptotic Photoreceptors. American Journal of Pathology, 2003, 162, 1869-1879.	1.9	94
57	Mitochondrial dysfunction in CD47-mediated caspase-independent cell death: ROS production in the absence of cytochrome c and AIF release. Biochimie, 2003, 85, 741-746.	1.3	48
58	Expression of dengue ApoptoM sequence results in disruption of mitochondrial potential and caspase activation. Biochimie, 2003, 85, 789-793.	1.3	38
59	Critical role of photoreceptor apoptosis in functional damage after retinal detachment. Current Eye Research, 2002, 24, 161-172.	0.7	137
60	Pre-processed caspase-9 contained in mitochondria participates in apoptosis. Cell Death and Differentiation, 2002, 9, 82-88.	5.0	65
61	The crystal structure of the mouse apoptosis-inducing factor AIF. Nature Structural Biology, 2002, 9, 442-446.	9.7	163
62	Relocalization of Apoptosis-Inducing Factor in Photoreceptor Apoptosis Induced by Retinal Detachment in Vivo. American Journal of Pathology, 2001, 158, 1271-1278.	1.9	160
63	Heat-shock protein 70 antagonizes apoptosis-inducing factor. Nature Cell Biology, 2001, 3, 839-843.	4.6	790
64	Cell type specific involvement of death receptor and mitochondrial pathways in drug-induced apoptosis. Oncogene, 2001, 20, 1063-1075.	2.6	220
65	Essential role of the mitochondrial apoptosis-inducing factor in programmed cell death. Nature, 2001, 410, 549-554.	13.7	1,212
66	Dominant cell death induction by extramitochondrially targeted apoptosisâ€inducing factor. FASEB Journal, 2001, 15, 758-767.	0.2	226
67	Apoptosisâ€Inducing Factor Mediates Microglial and Neuronal Apoptosis Caused by Pneumococcus. Journal of Infectious Diseases, 2001, 184, 1300-1309.	1.9	128
68	NADH Oxidase Activity of Mitochondrial Apoptosis-inducing Factor. Journal of Biological Chemistry, 2001, 276, 16391-16398.	1.6	344
69	A Role of the Mitochondrial Apoptosis-Inducing Factor in Granulysin-Induced Apoptosis. Journal of Immunology, 2001, 167, 1222-1229.	0.4	103
70	HIV induces lymphocyte apoptosis by a p53â€initiated, mitochondrialâ€mediated mechanism. FASEB Journal, 2001, 15, 5-6.	0.2	114
71	Cytofluorometric Quantitation of Nuclear Apoptosis Induced in a Cell-Free System. Methods in Enzymology, 2000, 322, 198-201.	0.4	5
72	Bcl-2 down-regulation causes autophagy in a caspase-independent manner in human leukemic HL60 cells. Cell Death and Differentiation, 2000, 7, 1263-1269.	5.0	179

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73	Oxidation of a critical thiol residue of the adenine nucleotide translocator enforces Bcl-2-independent permeability transition pore opening and apoptosis. Oncogene, 2000, 19, 307-314.	2.6	276
74	Hsp27 negatively regulates cell death by interacting with cytochrome c. Nature Cell Biology, 2000, 2, 645-652.	4.6	882
75	Caspase-independent commitment phase to apoptosis in activated blood T lymphocytes: reversibility at low apoptotic insult. Blood, 2000, 96, 1030-1038.	0.6	84
76	Mitochondrioâ€nuclear translocation of AIF in apoptosis and necrosis. FASEB Journal, 2000, 14, 729-739.	0.2	723
77	Two Distinct Pathways Leading to Nuclear Apoptosis. Journal of Experimental Medicine, 2000, 192, 571-580.	4.2	665
78	The HIV-1 Viral Protein R Induces Apoptosis via a Direct Effect on the Mitochondrial Permeability Transition Pore. Journal of Experimental Medicine, 2000, 191, 33-46.	4.2	428
79	Apoptosis Control in Syncytia Induced by the HIV Type 1â€"Envelope Glycoprotein Complex. Journal of Experimental Medicine, 2000, 192, 1081-1092.	4.2	217
80	Apoptosis-inducing factor (AIF): a ubiquitous mitochondrial oxidoreductase involved in apoptosis. FEBS Letters, 2000, 476, 118-123.	1.3	390
81	Involvement of apoptosis-inducing factor during dolichyl monophosphate-induced apoptosis in U937 cells. FEBS Letters, 2000, 480, 197-200.	1.3	19
82	Mass spectrometric identification of proteins released from mitochondria undergoing permeability transition. Cell Death and Differentiation, 2000, 7, 137-144.	5.0	168
83	Purification of Mitochondria for Apoptosis Assays. Methods in Enzymology, 2000, 322, 205-208.	0.4	48
84	GD3 ganglioside directly targets mitochondria in a bclâ€2â€controlled fashion. FASEB Journal, 2000, 14, 2047-2054.	0.2	175
85	Simplification of complex peptide mixtures for proteomic analysis: Reversible biotinylation of cysteinyl peptides. , 2000, 21, 1635.		2
86	Caspase-independent commitment phase to apoptosis in activated blood T lymphocytes: reversibility at low apoptotic insult. Blood, 2000, 96, 1030-1038.	0.6	8
87	Mitochondrial Release of Caspase-2 and -9 during the Apoptotic Process. Journal of Experimental Medicine, 1999, 189, 381-394.	4.2	678
88	Molecular characterization of mitochondrial apoptosis-inducing factor. Nature, 1999, 397, 441-446.	13.7	3,697
89	Mitochondrial Membrane Permeabilization during the Apoptotic Process. Annals of the New York Academy of Sciences, 1999, 887, 18-30.	1.8	127
90	Apoptosis inducing factor (AIF): a phylogenetically old, caspase-independent effector of cell death. Cell Death and Differentiation, 1999, 6, 516-524.	5.0	452

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91	Lonidamine triggers apoptosis via a direct, Bcl-2-inhibited effect on the mitochondrial permeability transition pore. Oncogene, 1999, 18, 2537-2546.	2.6	194
92	Palmitate induces apoptosis via a direct effect on mitochondria. Apoptosis: an International Journal on Programmed Cell Death, 1999, 4, 81-87.	2.2	71
93	Arsenite Induces Apoptosis via a Direct Effect on the Mitochondrial Permeability Transition Pore. Experimental Cell Research, 1999, 249, 413-421.	1.2	283
94	The novel retinoid 6-[3-(1-adamantyl)-4-hydroxyphenyl]-2-naphtalene carboxylic acid can trigger apoptosis through a mitochondrial pathway independent of the nucleus. Cancer Research, 1999, 59, 6257-66.	0.4	98
95	Mitochondrial permeability transition in apoptosis and necrosis. Cell Biology and Toxicology, 1998, 14, 141-145.	2.4	121
96	Activation of Mitochondria and Release of Mitochondrial Apoptogenic Factors by Betulinic Acid. Journal of Biological Chemistry, 1998, 273, 33942-33948.	1.6	323
97	The thiol crosslinking agent diamide overcomes the apoptosis-inhibitory effect of Bcl-2 by enforcing mitochondrial permeability transition. Oncogene, 1998, 16, 1055-1063.	2.6	149
98	Subcellular and submitochondrial mode of action of Bcl-2-like oncoproteins. Oncogene, 1998, 16, 2265-2282.	2.6	385
99	Authors' response: Chloromethyl-X-Rosamine?A fluorochrome for the determination of the mitochondrial transmembrane potential. Cytometry, 1998, 31, 75-75.	1.8	7
100	Cytofluorometric detection of mitochondrial alterations in early CD95/Fas/APO-1-triggered apoptosis of Jurkat T lymphoma cells. Comparison of seven mitochondrion-specific fluorochromes. Immunology Letters, 1998, 61, 157-163.	1.1	195
101	Bax and Adenine Nucleotide Translocator Cooperate in the Mitochondrial Control of Apoptosis. , 1998, 281, 2027-2031.		1,061
102	Mitochondria as regulators of apoptosis: doubt no more. Biochimica Et Biophysica Acta - Bioenergetics, 1998, 1366, 151-165.	0.5	697
103	Disruption of the outer mitochondrial membrane as a result of large amplitude swelling: the impact of irreversible permeability transition. FEBS Letters, 1998, 426, 111-116.	1.3	266
104	Caspases disrupt mitochondrial membrane barrier function. FEBS Letters, 1998, 427, 198-202.	1.3	123
105	PK11195, a Ligand of the Mitochondrial Benzodiazepine Receptor, Facilitates the Induction of Apoptosis and Reverses Bcl-2-Mediated Cytoprotection. Experimental Cell Research, 1998, 241, 426-434.	1.2	249
106	The Permeability Transition Pore Complex: A Target for Apoptosis Regulation by Caspases and Bcl-2â€"related Proteins. Journal of Experimental Medicine, 1998, 187, 1261-1271.	4.2	657
107	The Central Executioner of Apoptosis: Multiple Connections between Protease Activation and Mitochondria in Fas/APO-1/CD95- and Ceramide-induced Apoptosis. Journal of Experimental Medicine, 1997, 186, 25-37.	4.2	615
108	A Cytofluorometric Assay of Nuclear Apoptosis Induced in a Cell-Free System: Application to Ceramide-Induced Apoptosis. Experimental Cell Research, 1997, 236, 397-403.	1.2	73

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109	Nitric oxide induces apoptosis via triggering mitochondrial permeability transition. FEBS Letters, 1997, 410, 373-377.	1.3	220
110	The apoptosis-necrosis paradox. Apoptogenic proteases activated after mitochondrial permeability transition determine the mode of cell death. Oncogene, 1997, 15, 1573-1581.	2.6	443
111	Mitochondrial control of apoptosis. Trends in Immunology, 1997, 18, 44-51.	7.5	1,401
112	Redox regulation of apoptosis: Impact of thiol oxidation status on mitochondrial function. European Journal of Immunology, 1997, 27, 289-296.	1.6	210
113	Glutathione depletion is an early and calcium elevation is a late event of thymocyte apoptosis. Journal of Immunology, 1997, 158, 4612-9.	0.4	205
114	Inhibitors of permeability transition interfere with the disruption of the mitochondrial transmembrane potential during apoptosis. FEBS Letters, 1996, 384, 53-57.	1.3	400
115	Mitochondria and programmed cell death: back to the future. FEBS Letters, 1996, 396, 7-13.	1.3	459
116	The pH Requirement for in Vivo Activity of the Iron-Deficiency-Induced "Turbo" Ferric Chelate Reductase (A Comparison of the Iron-Deficiency-Induced Iron Reductase Activities of Intact Plants and) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.3	121
117	Chloromethyl-X-rosamine is an aldehyde-fixable potential-sensitive fluorochrome for the detection of early apoptosis. , 1996, 25, 333-340.		161
118	Mitochondrial permeability transition is a central coordinating event of apoptosis.. Journal of Experimental Medicine, 1996, 184, 1155-1160.	4.2	821
119	Mitochondrial control of nuclear apoptosis.. Journal of Experimental Medicine, 1996, 183, 1533-1544.	4.2	1,318
120	Bcl-2 inhibits the mitochondrial release of an apoptogenic protease.. Journal of Experimental Medicine, 1996, 184, 1331-1341.	4.2	1,109
121	Apoptosis-associated derangement of mitochondrial function in cells lacking mitochondrial DNA. Cancer Research, 1996, 56, 2033-8.	0.4	166
122	Sequential acquisition of mitochondrial and plasma membrane alterations during early lymphocyte apoptosis. Journal of Immunology, 1996, 157, 512-21.	0.4	224
123	Mitochondrial permeability transition triggers lymphocyte apoptosis. Journal of Immunology, 1996, 157, 4830-6.	0.4	163
124	Thermospray and electrospray mass spectrometry of flavocoenzymes. Analysis of riboflavin sulphates from sugar beet. Analytica Chimica Acta, 1995, 302, 215-223.	2.6	7
125	Sequential reduction of mitochondrial transmembrane potential and generation of reactive oxygen species in early programmed cell death.. Journal of Experimental Medicine, 1995, 182, 367-377.	4.2	1,509
126	Flavin excretion from roots of iron-deficient sugar beet (Beta vulgaris L.). Planta, 1994, 193, 514-519.	1.6	62

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127	Photosynthetic characteristics of iron chlorotic pear(Pyrus commuaisL.). Journal of Plant Nutrition, 1992, 15, 1783-1790.	0.9	4