

Santos A. Susin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

126
papers

27,783
citations

71
h-index

128
g-index

128
ext. papers

29,024
ext. citations

7.9
avg, IF

6.13
L-index

#	Paper	IF	Citations
126	Activation of Interferon Signaling in Chronic Lymphocytic Leukemia Cells Contributes to Apoptosis Resistance via a JAK-Src/STAT3/Mcl-1 Signaling Pathway. <i>Biomedicines</i> , 2021 , 9,	4.8	2
125	Mitochondrial AIF loss causes metabolic reprogramming, caspase-independent cell death blockade, embryonic lethality, and perinatal hydrocephalus. <i>Molecular Metabolism</i> , 2020 , 40, 101027	8.8	8
124	Relation of Neutrophil Gelatinase-Associated Lipocalin Overexpression to the Resistance to Apoptosis of Tumor B Cells in Chronic Lymphocytic Leukemia. <i>Cancers</i> , 2020 , 12,	6.6	2
123	Genetic characterization of B-cell prolymphocytic leukemia: a prognostic model involving MYC and TP53. <i>Blood</i> , 2019 , 134, 1821-1831	2.2	8
122	Gain of the short arm of chromosome 2 (2p gain) has a significant role in drug-resistant chronic lymphocytic leukemia. <i>Cancer Medicine</i> , 2019 , 8, 3131-3141	4.8	7
121	Homotrimerization Approach in the Design of Thrombospondin-1 Mimetic Peptides with Improved Potency in Triggering Regulated Cell Death of Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 7656-7668	8.3	3
120	Targeting chronic lymphocytic leukemia with N-methylated thrombospondin-1-derived peptides overcomes drug resistance. <i>Blood Advances</i> , 2019 , 3, 2920-2933	7.8	4
119	CD47 agonist peptide PKHB1 induces immunogenic cell death in T-cell acute lymphoblastic leukemia cells. <i>Cancer Science</i> , 2019 , 110, 256-268	6.9	28
118	AIF loss deregulates hematopoiesis and reveals different adaptive metabolic responses in bone marrow cells and thymocytes. <i>Cell Death and Differentiation</i> , 2018 , 25, 983-1001	12.7	31
117	"Double-hit" chronic lymphocytic leukemia: An aggressive subgroup with 17p deletion and 8q24 gain. <i>American Journal of Hematology</i> , 2018 , 93, 375-382	7.1	7
116	Revisiting Neutrophil Gelatinase-Associated Lipocalin (NGAL) in Cancer: Saint or Sinner?. <i>Cancers</i> , 2018 , 10,	6.6	28
115	Mitochondrial OXPHOS influences immune cell fate: lessons from hematopoietic AIF-deficient and NDUFS4-deficient mouse models. <i>Cell Death and Disease</i> , 2018 , 9, 581	9.8	5
114	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. <i>Leukemia</i> , 2017 , 31, 1625-1629	10.7	22
113	Concomitant elevations of MMP-9, NGAL, proMMP-9/NGAL and neutrophil elastase in serum of smokers with chronic obstructive pulmonary disease. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 1280-1291	5.6	17
112	Thrombospondin-1 Mimetic Agonist Peptides Induce Selective Death in Tumor Cells: Design, Synthesis, and Structure-Activity Relationship Studies. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 8412-21	8.3	15
111	CD47 agonist peptides induce programmed cell death in refractory chronic lymphocytic leukemia B cells via PLC β activation: evidence from mice and humans. <i>PLoS Medicine</i> , 2015 , 12, e1001796	11.6	39
110	Key Residues Regulating the Reductase Activity of the Human Mitochondrial Apoptosis Inducing Factor. <i>Biochemistry</i> , 2015 , 54, 5175-84	3.2	8

109	The Gain of the Short Arm of Chromosome 2 (2p+) Induces XPO1 Overexpression and Drug Resistance in Chronic Lymphocytic Leukemia. <i>Blood</i> , 2015 , 126, 492-492	2.2	1
108	Structural insights into the coenzyme mediated monomer-dimer transition of the pro-apoptotic apoptosis inducing factor. <i>Biochemistry</i> , 2014 , 53, 4204-15	3.2	32
107	The oxido-reductase activity of the apoptosis inducing factor: a promising pharmacological tool?. <i>Current Pharmaceutical Design</i> , 2013 , 19, 2628-36	3.3	10
106	CD47(low) status on CD4 effectors is necessary for the contraction/resolution of the immune response in humans and mice. <i>PLoS ONE</i> , 2012 , 7, e41972	3.7	16
105	BID regulates AIF-mediated caspase-independent necroptosis by promoting BAX activation. <i>Cell Death and Differentiation</i> , 2012 , 19, 245-56	12.7	95
104	AIF-mediated caspase-independent necroptosis requires ATM and DNA-PK-induced histone H2AX Ser139 phosphorylation. <i>Cell Death and Disease</i> , 2012 , 3, e390	9.8	65
103	CD47(high) expression on CD4 effectors identifies functional long-lived memory T cell progenitors. <i>Journal of Immunology</i> , 2012 , 188, 4249-55	5.3	12
102	AIF-mediated caspase-independent necroptosis: a new chance for targeted therapeutics. <i>IUBMB Life</i> , 2011 , 63, 221-32	4.7	123
101	Functional assessment of p53 in chronic lymphocytic leukemia. <i>Blood Cancer Journal</i> , 2011 , 1, e5	7	12
100	AIF promotes chromatinolysis and caspase-independent programmed necrosis by interacting with histone H2AX. <i>EMBO Journal</i> , 2010 , 29, 1585-99	13	157
99	Nutrient sensing and insulin signaling in neuropeptide-expressing immortalized, hypothalamic neurons: A cellular model of insulin resistance. <i>Cell Cycle</i> , 2010 , 9, 3186-93	4.7	73
98	Histone H2AX: The missing link in AIF-mediated caspase-independent programmed necrosis. <i>Cell Cycle</i> , 2010 , 9, 3166-73	4.7	62
97	Programmed Necrosis: A New Cell Death Outcome for Injured Adult Neurons? 2010 , 35-66		
96	Different contribution of BH3-only proteins and caspases to doxorubicin-induced apoptosis in p53-deficient leukemia cells. <i>Biochemical Pharmacology</i> , 2010 , 79, 1746-58	6	25
95	Caspase-independent type III PCD: a new means to modulate cell death in chronic lymphocytic leukemia. <i>Leukemia</i> , 2009 , 23, 974-7	10.7	8
94	Caspase-independent type III programmed cell death in chronic lymphocytic leukemia: the key role of the F-actin cytoskeleton. <i>Haematologica</i> , 2009 , 94, 507-17	6.6	19
93	CD47 in the immune response: role of thrombospondin and SIRP-alpha reverse signaling. <i>Current Drug Targets</i> , 2008 , 9, 842-50	3	60
92	Highly cytotoxic and neurotoxic acetogenins of the Annonaceae: new putative biological targets of squamocin detected by activity-based protein profiling. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 5741-4	2.9	22

91	AIF-mediated programmed necrosis: a highly regulated way to die. <i>Cell Cycle</i> , 2007 , 6, 2612-9	4.7	136
90	Sequential activation of poly(ADP-ribose) polymerase 1, calpains, and Bax is essential in apoptosis-inducing factor-mediated programmed necrosis. <i>Molecular and Cellular Biology</i> , 2007 , 27, 4844-62	4.8	270
89	Drp1 mediates caspase-independent type III cell death in normal and leukemic cells. <i>Molecular and Cellular Biology</i> , 2007 , 27, 7073-88	4.8	82
88	Expression of cortical and hippocampal apoptosis-inducing factor (AIF) in aging and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2007 , 28, 351-6	5.6	31
87	Therapeutic potential of AIF-mediated caspase-independent programmed cell death. <i>Drug Resistance Updates</i> , 2007 , 10, 235-55	23.2	108
86	Semisynthesis and screening of a small library of pro-apoptotic squamocin analogues: selection and study of a benzoquinone hybrid with an improved biological profile. <i>ChemMedChem</i> , 2006 , 1, 118-29	3.7	17
85	AIFsh, a novel apoptosis-inducing factor (AIF) pro-apoptotic isoform with potential pathological relevance in human cancer. <i>Journal of Biological Chemistry</i> , 2006 , 281, 6413-27	5.4	63
84	Identification and characterization of AIFsh2, a mitochondrial apoptosis-inducing factor (AIF) isoform with NADH oxidase activity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 18507-18	5.4	43
83	Use of penetrating peptides interacting with PP1/PP2A proteins as a general approach for a drug phosphatase technology. <i>Molecular Pharmacology</i> , 2006 , 69, 1115-24	4.3	42
82	CD44 ligation induces caspase-independent cell death via a novel calpain/AIF pathway in human erythroleukemia cells. <i>Oncogene</i> , 2006 , 25, 5741-51	9.2	40
81	Regulation of apoptosis/necrosis execution in cadmium-treated human promonocytic cells under different forms of oxidative stress. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006 , 11, 673-86	5.4	51
80	Cysteine protease inhibition prevents mitochondrial apoptosis-inducing factor (AIF) release. <i>Cell Death and Differentiation</i> , 2005 , 12, 1445-8	12.7	103
79	Annonaceous acetogenins: the hydroxyl groups and THF rings are crucial structural elements for targeting the mitochondria, demonstration with the synthesis of fluorescent squamocin analogues. <i>ChemBioChem</i> , 2005 , 6, 979-82	3.8	39
78	Programmed cell death via mitochondria: different modes of dying. <i>Biochemistry (Moscow)</i> , 2005 , 70, 231-9	2.9	239
77	The contribution of apoptosis-inducing factor, caspase-activated DNase, and inhibitor of caspase-activated DNase to the nuclear phenotype and DNA degradation during apoptosis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 35670-83	5.4	73
76	A dual role of IFN-alpha in the balance between proliferation and death of human CD4+ T lymphocytes during primary response. <i>Journal of Immunology</i> , 2004 , 173, 3740-7	5.3	49
75	Mitochondrial effectors in caspase-independent cell death. <i>FEBS Letters</i> , 2004 , 557, 14-20	3.8	130
74	Apoptosis inversely correlates with rabies virus neurotropism. <i>Annals of the New York Academy of Sciences</i> , 2003 , 1010, 598-603	6.5	19

73	High level of Bcl-2 counteracts apoptosis mediated by a live rabies virus vaccine strain and induces long-term infection. <i>Virology</i> , 2003 , 314, 549-61	3.6	26
72	Clearance of apoptotic photoreceptors: elimination of apoptotic debris into the subretinal space and macrophage-mediated phagocytosis via phosphatidylserine receptor and integrin alphavbeta3. <i>American Journal of Pathology</i> , 2003 , 162, 1869-79	5.8	85
71	Mitochondrial dysfunction in CD47-mediated caspase-independent cell death: ROS production in the absence of cytochrome c and AIF release. <i>Biochimie</i> , 2003 , 85, 741-6	4.6	43
70	Expression of dengue ApoptoM sequence results in disruption of mitochondrial potential and caspase activation. <i>Biochimie</i> , 2003 , 85, 789-93	4.6	35
69	Pre-processed caspase-9 contained in mitochondria participates in apoptosis. <i>Cell Death and Differentiation</i> , 2002 , 9, 82-8	12.7	64
68	The crystal structure of the mouse apoptosis-inducing factor AIF. <i>Nature Structural Biology</i> , 2002 , 9, 442-6		136
67	Critical role of photoreceptor apoptosis in functional damage after retinal detachment. <i>Current Eye Research</i> , 2002 , 24, 161-72	2.9	120
66	Heat-shock protein 70 antagonizes apoptosis-inducing factor. <i>Nature Cell Biology</i> , 2001 , 3, 839-43	23.4	707
65	Cell type specific involvement of death receptor and mitochondrial pathways in drug-induced apoptosis. <i>Oncogene</i> , 2001 , 20, 1063-75	9.2	206
64	Essential role of the mitochondrial apoptosis-inducing factor in programmed cell death. <i>Nature</i> , 2001 , 410, 549-54	50.4	1102
63	Dominant cell death induction by extramitochondrially targeted apoptosis-inducing factor. <i>FASEB Journal</i> , 2001 , 15, 758-67	0.9	210
62	Apoptosis-inducing factor mediates microglial and neuronal apoptosis caused by pneumococcus. <i>Journal of Infectious Diseases</i> , 2001 , 184, 1300-9	7	119
61	NADH oxidase activity of mitochondrial apoptosis-inducing factor. <i>Journal of Biological Chemistry</i> , 2001 , 276, 16391-8	5.4	300
60	A role of the mitochondrial apoptosis-inducing factor in granulysin-induced apoptosis. <i>Journal of Immunology</i> , 2001 , 167, 1222-9	5.3	98
59	HIV induces lymphocyte apoptosis by a p53-initiated, mitochondrial-mediated mechanism. <i>FASEB Journal</i> , 2001 , 15, 5-6	0.9	94
58	Relocalization of apoptosis-inducing factor in photoreceptor apoptosis induced by retinal detachment in vivo. <i>American Journal of Pathology</i> , 2001 , 158, 1271-8	5.8	144
57	Cytofluorometric quantitation of nuclear apoptosis induced in a cell-free system. <i>Methods in Enzymology</i> , 2000 , 322, 198-201	1.7	5
56	Bcl-2 down-regulation causes autophagy in a caspase-independent manner in human leukemic HL60 cells. <i>Cell Death and Differentiation</i> , 2000 , 7, 1263-9	12.7	166

55	Oxidation of a critical thiol residue of the adenine nucleotide translocator enforces Bcl-2-independent permeability transition pore opening and apoptosis. <i>Oncogene</i> , 2000 , 19, 307-14	9.2	263
54	Hsp27 negatively regulates cell death by interacting with cytochrome c. <i>Nature Cell Biology</i> , 2000 , 2, 645-52	23.4	798
53	Caspase-independent commitment phase to apoptosis in activated blood T lymphocytes: reversibility at low apoptotic insult. <i>Blood</i> , 2000 , 96, 1030-1038	2.2	82
52	Mitochondrio-nuclear translocation of AIF in apoptosis and necrosis. <i>FASEB Journal</i> , 2000 , 14, 729-739	0.9	657
51	Two distinct pathways leading to nuclear apoptosis. <i>Journal of Experimental Medicine</i> , 2000 , 192, 571-80	16.6	606
50	The HIV-1 viral protein R induces apoptosis via a direct effect on the mitochondrial permeability transition pore. <i>Journal of Experimental Medicine</i> , 2000 , 191, 33-46	16.6	390
49	Apoptosis control in syncytia induced by the HIV type 1-envelope glycoprotein complex: role of mitochondria and caspases. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1081-92	16.6	203
48	Apoptosis-inducing factor (AIF): a ubiquitous mitochondrial oxidoreductase involved in apoptosis. <i>FEBS Letters</i> , 2000 , 476, 118-23	3.8	338
47	Involvement of apoptosis-inducing factor during dolichyl monophosphate-induced apoptosis in U937 cells. <i>FEBS Letters</i> , 2000 , 480, 197-200	3.8	17
46	Mass spectrometric identification of proteins released from mitochondria undergoing permeability transition. <i>Cell Death and Differentiation</i> , 2000 , 7, 137-44	12.7	160
45	Purification of mitochondria for apoptosis assays. <i>Methods in Enzymology</i> , 2000 , 322, 205-8	1.7	43
44	GD3 ganglioside directly targets mitochondria in a bcl-2-controlled fashion. <i>FASEB Journal</i> , 2000 , 14, 2047-54	0.9	156
43	Caspase-independent commitment phase to apoptosis in activated blood T lymphocytes: reversibility at low apoptotic insult. <i>Blood</i> , 2000 , 96, 1030-1038	2.2	7
42	Simplification of complex peptide mixtures for proteomic analysis: Reversible biotinylation of cysteinyl peptides 2000 , 21, 1635		2
41	Mitochondrial release of caspase-2 and -9 during the apoptotic process. <i>Journal of Experimental Medicine</i> , 1999 , 189, 381-94	16.6	633
40	Molecular characterization of mitochondrial apoptosis-inducing factor. <i>Nature</i> , 1999 , 397, 441-6	50.4	3342
39	Mitochondrial membrane permeabilization during the apoptotic process. <i>Annals of the New York Academy of Sciences</i> , 1999 , 887, 18-30	6.5	105
38	Apoptosis inducing factor (AIF): a phylogenetically old, caspase-independent effector of cell death. <i>Cell Death and Differentiation</i> , 1999 , 6, 516-24	12.7	406

37	Lonidamine triggers apoptosis via a direct, Bcl-2-inhibited effect on the mitochondrial permeability transition pore. <i>Oncogene</i> , 1999 , 18, 2537-46	9.2	174
36	Palmitate induces apoptosis via a direct effect on mitochondria. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 1999 , 4, 81-7	5.4	61
35	Arsenite induces apoptosis via a direct effect on the mitochondrial permeability transition pore. <i>Experimental Cell Research</i> , 1999 , 249, 413-21	4.2	267
34	The novel retinoid 6-[3-(1-adamantyl)-4-hydroxyphenyl]-2-naphtalene carboxylic acid can trigger apoptosis through a mitochondrial pathway independent of the nucleus. <i>Cancer Research</i> , 1999 , 59, 6257-66	10.1	82
33	Mitochondrial permeability transition in apoptosis and necrosis. <i>Cell Biology and Toxicology</i> , 1998 , 14, 141-5	7.4	105
32	Activation of mitochondria and release of mitochondrial apoptogenic factors by betulinic acid. <i>Journal of Biological Chemistry</i> , 1998 , 273, 33942-8	5.4	270
31	The thiol crosslinking agent diamide overcomes the apoptosis-inhibitory effect of Bcl-2 by enforcing mitochondrial permeability transition. <i>Oncogene</i> , 1998 , 16, 1055-63	9.2	141
30	Subcellular and submitochondrial mode of action of Bcl-2-like oncoproteins. <i>Oncogene</i> , 1998 , 16, 2265-80	9.2	357
29	Authors' response: Chloromethyl-X-RosamineA fluorochrome for the determination of the mitochondrial transmembrane potential. <i>Cytometry</i> , 1998 , 31, 75-75		5
28	Cytofluorometric detection of mitochondrial alterations in early CD95/Fas/APO-1-triggered apoptosis of Jurkat T lymphoma cells. Comparison of seven mitochondrion-specific fluorochromes. <i>Immunology Letters</i> , 1998 , 61, 157-63	4.1	184
27	Bax and adenine nucleotide translocator cooperate in the mitochondrial control of apoptosis. <i>Science</i> , 1998 , 281, 2027-31	33.3	918
26	Mitochondria as regulators of apoptosis: doubt no more. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998 , 1366, 151-65	4.6	602
25	Disruption of the outer mitochondrial membrane as a result of large amplitude swelling: the impact of irreversible permeability transition. <i>FEBS Letters</i> , 1998 , 426, 111-6	3.8	232
24	Caspases disrupt mitochondrial membrane barrier function. <i>FEBS Letters</i> , 1998 , 427, 198-202	3.8	108
23	PK11195, a ligand of the mitochondrial benzodiazepine receptor, facilitates the induction of apoptosis and reverses Bcl-2-mediated cytoprotection. <i>Experimental Cell Research</i> , 1998 , 241, 426-34	4.2	230
22	The permeability transition pore complex: a target for apoptosis regulation by caspases and bcl-2-related proteins. <i>Journal of Experimental Medicine</i> , 1998 , 187, 1261-71	16.6	610
21	The central executioner of apoptosis: multiple connections between protease activation and mitochondria in Fas/APO-1/CD95- and ceramide-induced apoptosis. <i>Journal of Experimental Medicine</i> , 1997 , 186, 25-37	16.6	584
20	A cytofluorometric assay of nuclear apoptosis induced in a cell-free system: application to ceramide-induced apoptosis. <i>Experimental Cell Research</i> , 1997 , 236, 397-403	4.2	71

19	Nitric oxide induces apoptosis via triggering mitochondrial permeability transition. <i>FEBS Letters</i> , 1997 , 410, 373-7	3.8	188
18	The apoptosis-necrosis paradox. Apoptogenic proteases activated after mitochondrial permeability transition determine the mode of cell death. <i>Oncogene</i> , 1997 , 15, 1573-81	9.2	419
17	Mitochondrial control of apoptosis. <i>Trends in Immunology</i> , 1997 , 18, 44-51		1303
16	Redox regulation of apoptosis: impact of thiol oxidation status on mitochondrial function. <i>European Journal of Immunology</i> , 1997 , 27, 289-96	6.1	199
15	Glutathione depletion is an early and calcium elevation is a late event of thymocyte apoptosis. <i>Journal of Immunology</i> , 1997 , 158, 4612-9	5.3	204
14	Mitochondrial control of nuclear apoptosis. <i>Journal of Experimental Medicine</i> , 1996 , 183, 1533-44	16.6	1242
13	Bcl-2 inhibits the mitochondrial release of an apoptogenic protease. <i>Journal of Experimental Medicine</i> , 1996 , 184, 1331-41	16.6	1029
12	Inhibitors of permeability transition interfere with the disruption of the mitochondrial transmembrane potential during apoptosis. <i>FEBS Letters</i> , 1996 , 384, 53-7	3.8	353
11	Mitochondria and programmed cell death: back to the future. <i>FEBS Letters</i> , 1996 , 396, 7-13	3.8	405
10	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 Isolated Plasma Membrane Fractions in Sugar Beet). <i>Plant Physiology</i> , 1996 , 110, 111-123	6.6	102
9	Chloromethyl-X-Rosamine is an aldehyde-fixable potential-sensitive fluorochrome for the detection of early apoptosis. <i>Cytometry</i> , 1996 , 25, 333-40		145
8	Mitochondrial permeability transition is a central coordinating event of apoptosis. <i>Journal of Experimental Medicine</i> , 1996 , 184, 1155-60	16.6	752
7	Apoptosis-associated derangement of mitochondrial function in cells lacking mitochondrial DNA. <i>Cancer Research</i> , 1996 , 56, 2033-8	10.1	149
6	Sequential acquisition of mitochondrial and plasma membrane alterations during early lymphocyte apoptosis. <i>Journal of Immunology</i> , 1996 , 157, 512-21	5.3	221
5	Mitochondrial permeability transition triggers lymphocyte apoptosis. <i>Journal of Immunology</i> , 1996 , 157, 4830-6	5.3	162
4	Sequential reduction of mitochondrial transmembrane potential and generation of reactive oxygen species in early programmed cell death. <i>Journal of Experimental Medicine</i> , 1995 , 182, 367-77	16.6	1406
3	Thermospray and electrospray mass spectrometry of flavocoenzymes. Analysis of riboflavin sulphates from sugar beet. <i>Analytica Chimica Acta</i> , 1995 , 302, 215-223	6.6	5
2	Flavin excretion from roots of iron-deficient sugar beet (<i>Beta vulgaris</i> L.). <i>Planta</i> , 1994 , 193, 514-519	4.7	54

1 Photosynthetic characteristics of iron chlorotic pear (*Pyrus commuais* L.). *Journal of Plant Nutrition*,
1992, 15, 1783-1790 2.3 3