

Santos A. Susin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4007475/santos-a-susin-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Molecular characterization of mitochondrial apoptosis-inducing factor. <i>Nature</i> , 1999 , 397, 441-6	50.4	3342
125	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
124	Mitochondrial control of apoptosis. <i>Trends in Immunology</i> , 1997 , 18, 44-51		1303
123	Mitochondrial control of nuclear apoptosis. <i>Journal of Experimental Medicine</i> , 1996 , 183, 1533-44	16.6	1242
122	Essential role of the mitochondrial apoptosis-inducing factor in programmed cell death. <i>Nature</i> , 2001 , 410, 549-54	50.4	1102
121	Bcl-2 inhibits the mitochondrial release of an apoptogenic protease. <i>Journal of Experimental Medicine</i> , 1996 , 184, 1331-41	16.6	1029
120	Bax and adenine nucleotide translocator cooperate in the mitochondrial control of apoptosis. <i>Science</i> , 1998 , 281, 2027-31	33.3	918
119	Hsp27 negatively regulates cell death by interacting with cytochrome c. <i>Nature Cell Biology</i> , 2000 , 2, 645-52	23.4	798
118	Mitochondrial permeability transition is a central coordinating event of apoptosis. <i>Journal of Experimental Medicine</i> , 1996 , 184, 1155-60	16.6	752
117	Heat-shock protein 70 antagonizes apoptosis-inducing factor. <i>Nature Cell Biology</i> , 2001 , 3, 839-43	23.4	707
116	Mitochondrio-nuclear translocation of AIF in apoptosis and necrosis. <i>FASEB Journal</i> , 2000 , 14, 729-739	0.9	657
115	Mitochondrial release of caspase-2 and -9 during the apoptotic process. <i>Journal of Experimental Medicine</i> , 1999 , 189, 381-94	16.6	633
114	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
113	Two distinct pathways leading to nuclear apoptosis. <i>Journal of Experimental Medicine</i> , 2000 , 192, 571-80	16.6	606
112	Mitochondria as regulators of apoptosis: doubt no more. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998 , 1366, 151-65	4.6	602
111	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
110	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

109	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
108	Mitochondria and programmed cell death: back to the future. <i>FEBS Letters</i> , 1996 , 396, 7-13	3.8	405
107	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
106	Subcellular and submitochondrial mode of action of Bcl-2-like oncoproteins. <i>Oncogene</i> , 1998 , 16, 2265-83	3.2	357
105	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
104	Apoptosis-inducing factor (AIF): a ubiquitous mitochondrial oxidoreductase involved in apoptosis. <i>FEBS Letters</i> , 2000 , 476, 118-23	3.8	338
103	NADH oxidase activity of mitochondrial apoptosis-inducing factor. <i>Journal of Biological Chemistry</i> , 2001 , 276, 16391-8	5.4	300
102	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
101	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, 4844-52	4.8	270
100	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
99	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
98	Programmed cell death via mitochondria: different modes of dying. <i>Biochemistry (Moscow)</i> , 2005 , 70, 231-9	2.9	239
97	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
96	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
95	Sequential acquisition of mitochondrial and plasma membrane alterations during early lymphocyte apoptosis. <i>Journal of Immunology</i> , 1996 , 157, 512-21	5.3	221
94	Dominant cell death induction by extramitochondrially targeted apoptosis-inducing factor. <i>FASEB Journal</i> , 2001 , 15, 758-67	0.9	210
93	Cell type specific involvement of death receptor and mitochondrial pathways in drug-induced apoptosis. <i>Oncogene</i> , 2001 , 20, 1063-75	9.2	206
92	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

91	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
90	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
89	Nitric oxide induces apoptosis via triggering mitochondrial permeability transition. <i>FEBS Letters</i> , 1997 , 410, 373-7	3.8	188
88	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
87	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
86	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
85	Mitochondrial permeability transition triggers lymphocyte apoptosis. <i>Journal of Immunology</i> , 1996 , 157, 4830-6	5.3	162
84	Mass spectrometric identification of proteins released from mitochondria undergoing permeability transition. <i>Cell Death and Differentiation</i> , 2000 , 7, 137-44	12.7	160
83	AIF promotes chromatinolysis and caspase-independent programmed necrosis by interacting with histone H2AX. <i>EMBO Journal</i> , 2010 , 29, 1585-99	13	157
82	GD3 ganglioside directly targets mitochondria in a bcl-2-controlled fashion. <i>FASEB Journal</i> , 2000 , 14, 2047-54	0.9	156
81	Apoptosis-associated derangement of mitochondrial function in cells lacking mitochondrial DNA. <i>Cancer Research</i> , 1996 , 56, 2033-8	10.1	149
80	Chloromethyl-X-Rosamine is an aldehyde-fixable potential-sensitive fluorochrome for the detection of early apoptosis. <i>Cytometry</i> , 1996 , 25, 333-40		145
79	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
78	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
77	AIF-mediated programmed necrosis: a highly regulated way to die. <i>Cell Cycle</i> , 2007 , 6, 2612-9	4.7	136
76	The crystal structure of the mouse apoptosis-inducing factor AIF. <i>Nature Structural Biology</i> , 2002 , 9, 442-6		136
75	Mitochondrial effectors in caspase-independent cell death. <i>FEBS Letters</i> , 2004 , 557, 14-20	3.8	130
74	AIF-mediated caspase-independent necroptosis: a new chance for targeted therapeutics. <i>IUBMB Life</i> , 2011 , 63, 221-32	4.7	123

73	Critical role of photoreceptor apoptosis in functional damage after retinal detachment. <i>Current Eye Research</i> , 2002 , 24, 161-72	2.9	120
72	Apoptosis-inducing factor mediates microglial and neuronal apoptosis caused by pneumococcus. <i>Journal of Infectious Diseases</i> , 2001 , 184, 1300-9	7	119
71	Caspases disrupt mitochondrial membrane barrier function. <i>FEBS Letters</i> , 1998 , 427, 198-202	3.8	108
70	Therapeutic potential of AIF-mediated caspase-independent programmed cell death. <i>Drug Resistance Updates</i> , 2007 , 10, 235-55	23.2	108
69	Mitochondrial permeability transition in apoptosis and necrosis. <i>Cell Biology and Toxicology</i> , 1998 , 14, 141-5	7.4	105
68	Mitochondrial membrane permeabilization during the apoptotic process. <i>Annals of the New York Academy of Sciences</i> , 1999 , 887, 18-30	6.5	105
67	Cysteine protease inhibition prevents mitochondrial apoptosis-inducing factor (AIF) release. <i>Cell Death and Differentiation</i> , 2005 , 12, 1445-8	12.7	103
66	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
65	A role of the mitochondrial apoptosis-inducing factor in granulysin-induced apoptosis. <i>Journal of Immunology</i> , 2001 , 167, 1222-9	5.3	98
64	BID regulates AIF-mediated caspase-independent necroptosis by promoting BAX activation. <i>Cell Death and Differentiation</i> , 2012 , 19, 245-56	12.7	95
63	HIV induces lymphocyte apoptosis by a p53-initiated, mitochondrial-mediated mechanism. <i>FASEB Journal</i> , 2001 , 15, 5-6	0.9	94
62	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
61	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
60	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
59	The novel retinoid 6-[3-(1-adamantyl)-4-hydroxyphenyl]-2-naphthalene carboxylic acid can trigger apoptosis through a mitochondrial pathway independent of the nucleus. <i>Cancer Research</i> , 1999 , 59, 6257-66	10.1	82
58	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
57	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
56	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

55	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
54	Pre-processed caspase-9 contained in mitochondria participates in apoptosis. <i>Cell Death and Differentiation</i> , 2002 , 9, 82-8	12.7	64
53	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
52	Histone H2AX: The missing link in AIF-mediated caspase-independent programmed necrosis. <i>Cell Cycle</i> , 2010 , 9, 3166-73	4.7	62
51	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
50	CD47 in the immune response: role of thrombospondin and SIRP-alpha reverse signaling. <i>Current Drug Targets</i> , 2008 , 9, 842-50	3	60
49	Flavin excretion from roots of iron-deficient sugar beet (<i>Beta vulgaris</i> L.). <i>Planta</i> , 1994 , 193, 514-519	4.7	54
48	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
47	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
46	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
45	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
44	Purification of mitochondria for apoptosis assays. <i>Methods in Enzymology</i> , 2000 , 322, 205-8	1.7	43
43	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
42	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
41	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
40	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
39	Expression of dengue ApoptoM sequence results in disruption of mitochondrial potential and caspase activation. <i>Biochimie</i> , 2003 , 85, 789-93	4.6	35
38	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

37	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
36	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
35	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
34	Revisiting Neutrophil Gelatinase-Associated Lipocalin (NGAL) in Cancer: Saint or Sinner?. <i>Cancers</i> , 2018 , 10,	6.6	28
33	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
32	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
31	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
30	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
29	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
28	Apoptosis inversely correlates with rabies virus neurotropism. <i>Annals of the New York Academy of Sciences</i> , 2003 , 1010, 598-603	6.5	19
27	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
26	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
25	Involvement of apoptosis-inducing factor during dolichyl monophosphate-induced apoptosis in U937 cells. <i>FEBS Letters</i> , 2000 , 480, 197-200	3.8	17
24	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
23	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
22	Functional assessment of p53 in chronic lymphocytic leukemia. <i>Blood Cancer Journal</i> , 2011 , 1, e5	7	12
21	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
20	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

19	Genetic characterization of B-cell prolymphocytic leukemia: a prognostic model involving MYC and TP53. <i>Blood</i> , 2019 , 134, 1821-1831	2.2	8
18	Key Residues Regulating the Reductase Activity of the Human Mitochondrial Apoptosis Inducing Factor. <i>Biochemistry</i> , 2015 , 54, 5175-84	3.2	8
17	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
16	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
15	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
14	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
13	"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
12	Authors' response: Chloromethyl-X-Rosamine fluorescent fluorochrome for the determination of the mitochondrial transmembrane potential. <i>Cytometry</i> , 1998 , 31, 75-75		5
11	Cytofluorometric quantitation of nuclear apoptosis induced in a cell-free system. <i>Methods in Enzymology</i> , 2000 , 322, 198-201	1.7	5
10	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
9	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
8	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
7	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
6	Photosynthetic characteristics of iron chlorotic pear (<i>Pyrus commuais</i> L.). <i>Journal of Plant Nutrition</i> , 1992 , 15, 1783-1790	2.3	3
5	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
4	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
3	Simplification of complex peptide mixtures for proteomic analysis: Reversible biotinylation of cysteinyl peptides 2000 , 21, 1635		2
2	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

- 1 Programmed Necrosis: A New Cell Death Outcome for Injured Adult Neurons? **2010**, 35-66