

List of Publications by Citations

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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.

125 papers	16,094 citations	50 h-index	126 g-index
165 ext. papers	18,398 ext. citations	6.6 avg, IF	6.34 L-index

#	Paper	IF	Citations
125	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
124	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
123	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
122	Chemopreventive Agent Resveratrol, a Natural Product Derived From Grapes, Triggers CD95 Signaling-Dependent Apoptosis in Human Tumor Cells. <i>Blood</i> , 1998 , 92, 996-1002	2.2	533
121	Resveratrol: from grapevines to mammalian biology. <i>FASEB Journal</i> , 2003 , 17, 1975-85	0.9	427
120	Recent advances in apoptosis, mitochondria and drug resistance in cancer cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 735-45	4.6	382
119	Resveratrol: its biologic targets and functional activity. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 2851-974	9.4	330
118	Annexin 1: the new face of an old molecule. <i>FASEB Journal</i> , 2007 , 21, 968-75	0.9	304
117	TNF receptor superfamily-induced cell death: redox-dependent execution. <i>FASEB Journal</i> , 2006 , 20, 1589-98	9.9	251
116	Cancer stem cell: target for anti-cancer therapy. <i>FASEB Journal</i> , 2007 , 21, 3777-85	0.9	210
115	Simultaneous induction of non-canonical autophagy and apoptosis in cancer cells by ROS-dependent ERK and JNK activation. <i>PLoS ONE</i> , 2010 , 5, e9996	3.7	191
114	Apoptosis induced by hydrogen peroxide is mediated by decreased superoxide anion concentration and reduction of intracellular milieu. <i>FEBS Letters</i> , 1998 , 440, 13-8	3.8	164
113	hTERT overexpression alleviates intracellular ROS production, improves mitochondrial function, and inhibits ROS-mediated apoptosis in cancer cells. <i>Cancer Research</i> , 2011 , 71, 266-76	10.1	161
112	Oxidative stress regulation of stem and progenitor cells. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 2778-89	8.9	138
111	Redox regulation of p53, redox effectors regulated by p53: a subtle balance. <i>Antioxidants and Redox Signaling</i> , 2012 , 16, 1285-94	8.4	132
110	Superoxide anion: oncogenic reactive oxygen species?. <i>International Journal of Biochemistry and Cell Biology</i> , 2007 , 39, 1297-304	5.6	127
109	Reactive oxygen intermediates regulate cellular response to apoptotic stimuli: an hypothesis. <i>Free Radical Research</i> , 1999 , 30, 247-52	4	122

108	Intracellular acidification triggered by mitochondrial-derived hydrogen peroxide is an effector mechanism for drug-induced apoptosis in tumor cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 514-21	5.4	116
107	Redox regulation of cancer cell migration and invasion. <i>Mitochondrion</i> , 2013 , 13, 246-53	4.9	114
106	Hydrogen peroxide-mediated cytosolic acidification is a signal for mitochondrial translocation of Bax during drug-induced apoptosis of tumor cells. <i>Cancer Research</i> , 2004 , 64, 7867-78	10.1	111
105	Withaferin A induces apoptosis in human melanoma cells through generation of reactive oxygen species and down-regulation of Bcl-2. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011 , 16, 1014-27	5.4	107
104	Activation of the RacGTPase inhibits apoptosis in human tumor cells. <i>Oncogene</i> , 2001 , 20, 6263-8	9.2	106
103	TRAILing death in cancer. <i>Molecular Aspects of Medicine</i> , 2010 , 31, 93-112	16.7	103
102	Art and science of photodynamic therapy. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006 , 33, 551-6	3	101
101	Tumor intracellular redox status and drug resistance--serendipity or a causal relationship?. <i>Current Pharmaceutical Design</i> , 2004 , 10, 1969-77	3.3	99
100	A permissive apoptotic environment: function of a decrease in intracellular superoxide anion and cytosolic acidification. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 290, 1145-50	3.4	91
99	Mitochondrial ROS and involvement of Bcl-2 as a mitochondrial ROS regulator. <i>Mitochondrion</i> , 2014 , 19 Pt A, 39-48	4.9	84
98	Resveratrol inhibits drug-induced apoptosis in human leukemia cells by creating an intracellular milieu nonpermissive for death execution. <i>Cancer Research</i> , 2004 , 64, 1452-9	10.1	80
97	LY294002 and LY303511 sensitize tumor cells to drug-induced apoptosis via intracellular hydrogen peroxide production independent of the phosphoinositide 3-kinase-Akt pathway. <i>Cancer Research</i> , 2005 , 65, 6264-74	10.1	75
96	Mitochondria: redox metabolism and dysfunction. <i>Biochemistry Research International</i> , 2012 , 2012, 896751	5.1	74
95	Pro-oxidant activity of low doses of resveratrol inhibits hydrogen peroxide-induced apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2003 , 1010, 365-73	6.5	72
94	Superoxide anion inhibits drug-induced tumor cell death. <i>FEBS Letters</i> , 1999 , 459, 343-8	3.8	71
93	LY303511 enhances TRAIL sensitivity of SHEP-1 neuroblastoma cells via hydrogen peroxide-mediated mitogen-activated protein kinase activation and up-regulation of death receptors. <i>Cancer Research</i> , 2009 , 69, 1941-50	10.1	69
92	Apoptosis in the pathophysiology of diabetes mellitus. <i>International Journal of Biochemistry and Cell Biology</i> , 2007 , 39, 497-504	5.6	68
91	Multi-lineage differentiation of mesenchymal stem cells - To Wnt, or not Wnt. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 68, 139-47	5.6	66

90	Regulation of mitochondrial metabolism: yet another facet in the biology of the oncoprotein Bcl-2. <i>Biochemical Journal</i> , 2011 , 435, 545-51	3.8	65
89	Functional proteomics of resveratrol-induced colon cancer cell apoptosis: caspase-6-mediated cleavage of lamin A is a major signaling loop. <i>Proteomics</i> , 2006 , 6, 2386-94	4.8	65
88	Chemotherapeutic potential of the chemopreventive phytoalexin resveratrol. <i>Drug Resistance Updates</i> , 2004 , 7, 333-44	23.2	65
87	The small GTPase Rac1 is a novel binding partner of Bcl-2 and stabilizes its antiapoptotic activity. <i>Blood</i> , 2011 , 117, 6214-26	2.2	62
86	Ser70 phosphorylation of Bcl-2 by selective tyrosine nitration of PP2A-B56 β stabilizes its antiapoptotic activity. <i>Blood</i> , 2014 , 124, 2223-34	2.2	59
85	Bcl-2 modulates resveratrol-induced ROS production by regulating mitochondrial respiration in tumor cells. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 807-19	8.4	59
84	ROS, autophagy, mitochondria and cancer: Ras, the hidden master?. <i>Mitochondrion</i> , 2013 , 13, 155-62	4.9	58
83	NHE-1: a promising target for novel anti-cancer therapeutics. <i>Current Pharmaceutical Design</i> , 2012 , 18, 1372-82	3.3	58
82	Resveratrol in cell fate decisions. <i>Journal of Bioenergetics and Biomembranes</i> , 2007 , 39, 59-63	3.7	56
81	BCL-2: pro-or anti-oxidant?. <i>Frontiers in Bioscience - Scholar</i> , 2009 , 1, 263-8	2.4	54
80	Reactive oxygen-dependent production of novel photochemotherapeutic agents. <i>FASEB Journal</i> , 2001 , 15, 612-7	0.9	54
79	Purified Photoproducts of Merocyanine 540 Trigger Cytochrome C Release and Caspase 8-Dependent Apoptosis in Human Leukemia and Melanoma Cells. <i>Blood</i> , 1999 , 93, 4096-4108	2.2	53
78	Bcl-2: a prime regulator of mitochondrial redox metabolism in cancer cells. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 2975-87	8.4	50
77	Resveratrol displays converse dose-related effects on 5-fluorouracil-evoked colon cancer cell apoptosis: the roles of caspase-6 and p53. <i>Cancer Biology and Therapy</i> , 2008 , 7, 1305-12	4.6	49
76	Induction of mitochondrial permeability transition and cytochrome C release in the absence of caspase activation is insufficient for effective apoptosis in human leukemia cells. <i>Blood</i> , 2000 , 95, 1773-1780	17.3	48
75	Resveratrol attenuates C5a-induced inflammatory responses in vitro and in vivo by inhibiting phospholipase D and sphingosine kinase activities. <i>FASEB Journal</i> , 2009 , 23, 2412-24	0.9	46
74	Noncanonical Cell Fate Regulation by Bcl-2 Proteins. <i>Trends in Cell Biology</i> , 2020 , 30, 537-555	18.3	44
73	Plasma membrane sequestration of apoptotic protease-activating factor-1 in human B-lymphoma cells: a novel mechanism of chemoresistance. <i>Blood</i> , 2005 , 105, 4070-7	2.2	44

72	Metabolic reprogramming of oncogene-addicted cancer cells to OXPHOS as a mechanism of drug resistance. <i>Redox Biology</i> , 2019 , 25, 101076	11.3	42
71	Hydrogen peroxide-induced apoptosis: oxidative or reductive stress?. <i>Methods in Enzymology</i> , 2002 , 352, 150-9	1.7	40
70	Resveratrol--from the bottle to the bedside?. <i>Leukemia and Lymphoma</i> , 2001 , 40, 491-8	1.9	38
69	Tumor cell specific dark cytotoxicity of light-exposed merocyanine 540: implications for systemic therapy without light. <i>Photochemistry and Photobiology</i> , 1990 , 52, 831-8	3.6	33
68	Manganese Superoxide Dismutase Expression Regulates the Switch Between an Epithelial and a Mesenchymal-Like Phenotype in Breast Carcinoma. <i>Antioxidants and Redox Signaling</i> , 2016 , 25, 283-99	8.4	32
67	Manganese superoxide dismutase is a promising target for enhancing chemosensitivity of basal-like breast carcinoma. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 2326-46	8.4	31
66	Pro-oxidant milieu blunts scissors: insight into tumor progression, drug resistance, and novel druggable targets. <i>Current Pharmaceutical Design</i> , 2006 , 12, 4469-77	3.3	29
65	Assessment of oxidative stress-induced DNA damage by immunofluorescent analysis of 8-oxodG. <i>Methods in Cell Biology</i> , 2011 , 103, 99-113	1.8	28
64	Synthetic Lethality of a Novel Small Molecule Against Mutant KRAS-Expressing Cancer Cells Involves AKT-Dependent ROS Production. <i>Antioxidants and Redox Signaling</i> , 2016 , 24, 781-94	8.4	27
63	Tumor cell redox state and mitochondria at the center of the non-canonical activity of telomerase reverse transcriptase. <i>Molecular Aspects of Medicine</i> , 2010 , 31, 21-8	16.7	26
62	Overexpression of Bcl-2 induces STAT-3 activation via an increase in mitochondrial superoxide. <i>Oncotarget</i> , 2015 , 6, 34191-205	3.3	26
61	Functional and evolutionary analyses on expressed intronless genes in the mouse genome. <i>FEBS Letters</i> , 2006 , 580, 1472-8	3.8	25
60	Targeting Mitochondrial Apoptosis to Overcome Treatment Resistance in Cancer. <i>Cancers</i> , 2020 , 12,	6.6	24
59	Buried alive: a novel approach to cancer treatment. <i>FASEB Journal</i> , 2004 , 18, 1-4	0.9	23
58	Production of intracellular superoxide mediates dithiothreitol-dependent inhibition of apoptotic cell death. <i>Antioxidants and Redox Signaling</i> , 2005 , 7, 456-64	8.4	23
57	Spontaneous and 5-fluorouracil-induced centrosome amplification lowers the threshold to resveratrol-evoked apoptosis in colon cancer cells. <i>Cancer Letters</i> , 2010 , 288, 36-41	9.9	22
56	Caspase proteases mediate apoptosis induced by anticancer agent preactivated MC540 in human tumor cell lines. <i>Cancer Letters</i> , 1998 , 128, 11-22	9.9	22
55	MnSOD is implicated in accelerated wound healing upon Negative Pressure Wound Therapy (NPWT): A case in point for MnSOD mimetics as adjuvants for wound management. <i>Redox Biology</i> , 2019 , 20, 307-320	11.3	21

54	Simultaneous analysis of steady-state intracellular pH and cell morphology by automated laser scanning cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007 , 71, 87-93	4.6	20
53	Cross Talk Between Cellular Redox State and the Antiapoptotic Protein Bcl-2. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 1215-1236	8.4	19
52	A distinct reactive oxygen species profile confers chemoresistance in glioma-propagating cells and associates with patient survival outcome. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 2261-79	8.4	19
51	A high-content phenotypic screen reveals the disruptive potency of quinacrine and 3 β -[4-(dichlorobenzamyl)]-5 α -androstane on the digestive vacuole of <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 550-8	5.9	19
50	Influence of cell culture configuration on the post-cryopreservation viability of primary rat hepatocytes. <i>Biomaterials</i> , 2012 , 33, 829-36	15.6	18
49	Dominant negative Rac1 attenuates paclitaxel-induced apoptosis in human melanoma cells through upregulation of heat shock protein 27: a functional proteomic analysis. <i>Proteomics</i> , 2007 , 7, 4112-22	4.8	18
48	Protein damage by photoproducts of merocyanine 540. <i>Free Radical Biology and Medicine</i> , 1992 , 12, 389-96	9.6	18
47	FLIP: a flop for execution signals. <i>Cancer Letters</i> , 2013 , 332, 151-5	9.9	17
46	Automated laser scanning cytometry: a powerful tool for multi-parameter analysis of drug-induced apoptosis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007 , 71, 80-6	4.6	17
45	A feedforward relationship between active Rac1 and phosphorylated Bcl-2 is critical for sustaining Bcl-2 phosphorylation and promoting cancer progression. <i>Cancer Letters</i> , 2019 , 457, 151-167	9.9	16
44	The three Rs along the TRAIL: resistance, re-sensitization and reactive oxygen species (ROS). <i>Free Radical Research</i> , 2012 , 46, 996-1003	4	16
43	Targeting Cell Metabolism as Cancer Therapy. <i>Antioxidants and Redox Signaling</i> , 2020 , 32, 285-308	8.4	16
42	Crosstalk between Bcl-2 family and Ras family small GTPases: potential cell fate regulation?. <i>Frontiers in Oncology</i> , 2012 , 2, 206	5.3	15
41	Anti-cancer drugs of today and tomorrow: are we close to making the turn from treating to curing cancer?. <i>Current Pharmaceutical Design</i> , 2002 , 8, 1723-34	3.3	15
40	Gelsolin-Cu/ZnSOD interaction alters intracellular reactive oxygen species levels to promote cancer cell invasion. <i>Oncotarget</i> , 2016 , 7, 52832-52848	3.3	15
39	Redox inhibition of protein phosphatase PP2A: Potential implications in oncogenesis and its progression. <i>Redox Biology</i> , 2019 , 27, 101105	11.3	14
38	Involvement of reactive oxygen species in apoptosis induced by pharmacological inhibition of protein kinase CK2. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1171, 591-9	6.5	14
37	Hippo circuitry and the redox modulation of hippo components in cancer cell fate decisions. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 69, 20-8	5.6	13

36	Resveratrol regulates the expression of NHE-1 by repressing its promoter activity: critical involvement of intracellular H ₂ O ₂ and caspases 3 and 6 in the absence of cell death. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 945-56	5.6	13
35	Preactivation--a novel antitumour and antiviral approach. <i>European Journal of Cancer & Clinical Oncology</i> , 1990 , 26, 551-3		13
34	Reactive Oxygen Species and Oncoprotein Signaling-A Dangerous Liaison. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 1553-1588	8.4	13
33	Understanding the cancer stem cell phenotype: A step forward in the therapeutic management of cancer. <i>Biochemical Pharmacology</i> , 2019 , 162, 79-88	6	11
32	Synergy between preactivated photofrin-II and tamoxifen in killing retrofibroma, pseudomyxoma and breast cancer cells. <i>European Journal of Cancer & Clinical Oncology</i> , 1991 , 27, 1034-9		11
31	Breast Cancer: A Molecular and Redox Snapshot. <i>Antioxidants and Redox Signaling</i> , 2016 , 25, 337-70	8.4	10
30	Superoxide induced inhibition of death receptor signaling is mediated via induced expression of apoptosis inhibitory protein cFLIP. <i>Redox Biology</i> , 2020 , 30, 101403	11.3	8
29	Serine-70 phosphorylated Bcl-2 prevents oxidative stress-induced DNA damage by modulating the mitochondrial redox metabolism. <i>Nucleic Acids Research</i> , 2020 , 48, 12727-12745	20.1	8
28	Peroxynitrite promotes serine-62 phosphorylation-dependent stabilization of the oncoprotein c-Myc. <i>Redox Biology</i> , 2020 , 34, 101587	11.3	7
27	Reactive oxygen species (ROS) and sensitization to TRAIL-induced apoptosis, in Bayesian network modelling of HeLa cell response to LY303511. <i>Biochemical Pharmacology</i> , 2012 , 84, 1307-17	6	7
26	LAMA4 upregulation is associated with high liver metastasis potential and poor survival outcome of Pancreatic Cancer. <i>Theranostics</i> , 2020 , 10, 10274-10289	12.1	7
25	The redox-senescence axis and its therapeutic targeting. <i>Redox Biology</i> , 2021 , 45, 102032	11.3	7
24	Redox signaling in the pathogenesis of human disease and the regulatory role of autophagy. <i>International Review of Cell and Molecular Biology</i> , 2020 , 352, 189-214	6	6
23	Computational modelling of LY303511 and TRAIL-induced apoptosis suggests dynamic regulation of cFLIP. <i>Bioinformatics</i> , 2013 , 29, 347-54	7.2	6
22	mitoEnergetics and cancer cell fate. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009 , 1787, 462-7	4.6	6
21	Biphasic activity of CD137 ligand-stimulated monocytes on T cell apoptosis and proliferation. <i>Journal of Leukocyte Biology</i> , 2011 , 89, 707-20	6.5	6
20	Gene expression analysis of heat-shock proteins and redox regulators reveals combinatorial prognostic markers in carcinomas of the gastrointestinal tract. <i>Redox Biology</i> , 2019 , 25, 101060	11.3	6
19	KIF1B increases ROS to mediate apoptosis and reinforces its protein expression through O in a positive feedback mechanism in neuroblastoma. <i>Scientific Reports</i> , 2017 , 7, 16867	4.9	5

18	Interplay between Mitochondrial Metabolism and Cellular Redox State Dictates Cancer Cell Survival. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 1341604	6.7	5
17	The anti-oxidant and pro-oxidant dichotomy of Bcl-2. <i>Biological Chemistry</i> , 2016 , 397, 585-93	4.5	5
16	Resveratrol attenuates TLR-4 mediated inflammation and elicits therapeutic potential in models of sepsis. <i>Scientific Reports</i> , 2020 , 10, 18837	4.9	4
15	ERK1/2 activation is required for resveratrol-induced apoptosis in MDA-MB-231 cells 2008 ,		4
14	Mitochondria-mediated oxidative stress during viral infection.. <i>Trends in Microbiology</i> , 2022 ,	12.4	4
13	Reactive Oxygen Species in Cell Fate Decisions 2009 , 199-221		4
12	Sustained IKK α phosphorylation and NF- κ B activation by superoxide-induced peroxynitrite-mediated nitrotyrosine modification of B56 β and PP2A inactivation. <i>Redox Biology</i> , 2021 , 41, 101834	11.3	4
11	Akt mediated ROS-dependent selective targeting of mutant KRAS tumors. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S13	7.8	2
10	Redox pioneer: professor Barry Halliwell. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 1761-6	8.4	2
9	Repressing the activity of protein kinase CK2 releases the brakes on mitochondria-mediated apoptosis in cancer cells. <i>Current Drug Targets</i> , 2011 , 12, 902-8	3	2
8	Aberrant localization of apoptosis protease activating factor-1 in lipid raft sub-domains of diffuse large B cell lymphomas. <i>Oncotarget</i> , 2016 , 7, 83964-83975	3.3	2
7	Crosstalk Between p53 and Mitochondrial Metabolism 2014 , 327-348		1
6	Cellular senescence: Silent operator and therapeutic target in cancer. <i>IUBMB Life</i> , 2021 , 73, 530-542	4.7	1
5	gRASping the redox lever to modulate cancer cell fate signaling. <i>Redox Biology</i> , 2019 , 25, 101094	11.3	0
4	Editorial [Hot Topic: Cancer Cell Redox Status: Novel Target for Designing Strategies to Overcome Apoptosis Resistance (Executive Editor: S. Pervaiz)]. <i>Current Pharmaceutical Design</i> , 2006 , 12, 4409-4410 ^{3.3}		
3	Apoptosis Gene Information System--AGIS. <i>Frontiers in Bioscience - Landmark</i> , 2006 , 11, 1814-7	2.8	
2	Mechanism of Apoptosis by Resveratrol. <i>Oxidative Stress and Disease</i> , 2005 , 85-104		
1	TRAIL sensitivity of nasopharyngeal cancer cells involves redox dependent upregulation of TMTC2 and its interaction with membrane caspase-3. <i>Redox Biology</i> , 2021 , 48, 102193	11.3	

