

# Control of apoptosis by the BCL-2 protein family: implications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	&alpha;-Mangostin from <i>Cratoxylum arborescens</i> demonstrates apoptogenesis in MCF-7 with regulation of NF- $\kappa$ B and Hsp70 protein modulation in vitro, and tumor reduction in vivo. <i>Drug Design, Development and Therapy</i> , 2014, 8, 1629.	4.3	23
2	Matrix Metalloproteinase-9 Is Involved in Chronic Lymphocytic Leukemia Cell Response to Fludarabine and Arsenic Trioxide. <i>PLoS ONE</i> , 2014, 9, e99993.	2.5	10
3	Knockdown of EpCAM Enhances the Chemosensitivity of Breast Cancer Cells to 5-fluorouracil by Downregulating the Antiapoptotic Factor Bcl-2. <i>PLoS ONE</i> , 2014, 9, e102590.	2.5	28
4	TNFR1-dependent cell death drives inflammation in Sharpin-deficient mice. <i>ELife</i> , 2014, 3, .	6.0	232
5	Anti-apoptotic BCL-2 family proteins in acute neural injury. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 281.	3.7	71
6	Short hairpin RNA-mediated down-regulation of CENP-A attenuates the aggressive phenotype of lung adenocarcinoma cells. <i>Cellular Oncology (Dordrecht)</i> , 2014, 37, 399-407.	4.4	21
7	Impact of conditional deletion of the pro-apoptotic BCL-2 family member BIM in mice. <i>Cell Death and Disease</i> , 2014, 5, e1446-e1446.	6.3	25
8	miR-491-5p-induced apoptosis in ovarian carcinoma depends on the direct inhibition of both BCL-XL and EGFR leading to BIM activation. <i>Cell Death and Disease</i> , 2014, 5, e1445-e1445.	6.3	91
9	The ratio of Mcl-1 and Noxa determines ABT737 resistance in squamous cell carcinoma of the skin. <i>Cell Death and Disease</i> , 2014, 5, e1412-e1412.	6.3	26
10	Transformations of the macromolecular landscape at mitochondria during DNA-damage-induced apoptotic cell death. <i>Cell Death and Disease</i> , 2014, 5, e1453-e1453.	6.3	27
11	Conformational Rearrangements in the Pro-apoptotic Protein, Bax, as It Inserts into Mitochondria. <i>Journal of Biological Chemistry</i> , 2014, 289, 32871-32882.	3.4	61
12	The elimination of miR-23a in heat-stressed cells promotes NOXA-induced cell death and is prevented by HSP70. <i>Cell Death and Disease</i> , 2014, 5, e1546-e1546.	6.3	24
13	Loss of Bak enhances lymphocytosis but does not ameliorate thrombocytopaenia in BCL-2 transgenic mice. <i>Cell Death and Differentiation</i> , 2014, 21, 676-684.	11.2	16
14	The p38 MAPK-regulated PKD1/CREB/Bcl-2 pathway contributes to selenite-induced colorectal cancer cell apoptosis in vitro and in vivo. <i>Cancer Letters</i> , 2014, 354, 189-199.	7.2	65
15	Glutathione: new roles in redox signaling for an old antioxidant. <i>Frontiers in Pharmacology</i> , 2014, 5, 196.	3.5	571
16	The role of APE/Ref-1 signaling pathway in hepatocellular carcinoma progression. <i>International Journal of Oncology</i> , 2014, 45, 1820-1828.	3.3	7
17	Detection of self-reactive CD8 <sup>+</sup> T cells with an anergic phenotype in healthy individuals. <i>Science</i> , 2014, 346, 1536-1540.	12.6	162
18	ER-stress and apoptosis: molecular mechanisms and potential relevance in infection. <i>Microbes and Infection</i> , 2014, 16, 805-810.	1.9	17

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19	Apoptotic pore formation is associated with in-plane insertion of Bak or Bax central helices into the mitochondrial outer membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4076-85.	7.1	111
20	Caspases: A Molecular Switch Node in the Crosstalk between Autophagy and Apoptosis. <i>International Journal of Biological Sciences</i> , 2014, 10, 1072-1083.	6.4	221
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27	Co-Crystallization with Conformation-Specific Designed Ankyrin Repeat Proteins Explains the Conformational Flexibility of BCL-W. <i>Journal of Molecular Biology</i> , 2014, 426, 2346-2362.	4.2	15
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1903	A chloride-doped silver-sulfide cluster [Ag <sub>148</sub> S <sub>26</sub> Cl <sub>30</sub> ](C <sub>6</sub> H <sub>5</sub> ) <sub>60</sub> <sup>6+</sup> : hierarchical assembly, enhanced luminescence and cytotoxicity to cancer cells. <i>Nanoscale</i> , 2022, 14, 1971-1977.	3.6	8
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1934	Smad4 mediates Bmf involvement in sheep granulosa cell apoptosis. <i>Gene</i> , 2022, 817, 146231.	2.2	5
1935	<i>Quercus acutissima</i> Carruth. root extract triggers apoptosis, autophagy and inhibits cell viability in breast cancer cells. <i>Journal of Ethnopharmacology</i> , 2022, 289, 115039.	4.1	3
1936	Effect of VirD4 on gastric epithelial-1 cells and its mechanism. <i>Biocell</i> , 2022, 46, 1557-1564.	0.7	0
1937	MicroRNA-101a-3p mimic ameliorates spinal cord ischemia/reperfusion injury. <i>Neural Regeneration Research</i> , 2022, 17, 2022.	3.0	10
1938	Molecular biology of apoptotic, necrotic, and necroptotic cell death. , 2022, , 51-72.		0
1939	Inhibition of cell proliferation by Tas of foamy viruses through cell cycle arrest or apoptosis underlines the different mechanisms of virus-host interactions. <i>Virulence</i> , 2022, 13, 342-354.	4.4	3
1941	Involvement of the $\text{NF-}\kappa\text{B}$ and $\text{PI3K/Akt/mTOR}$ pathways in cell death triggered by stypoldione, an o-quinone isolated from the brown algae <i>Stypopodium zonale</i> . <i>Environmental Toxicology</i> , 2022, 37, 1297-1309.	4.0	2
1942	A Glimpse of Programmed Cell Death Among Bacteria, Animals, and Plants. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 790117.	3.7	3
1943	The interplay between BAX and BAK tunes apoptotic pore growth to control mitochondrial-DNA-mediated inflammation. <i>Molecular Cell</i> , 2022, 82, 933-949.e9.	9.7	81
1944	Interferon- $\beta$ primes macrophages for pathogen ligand-induced killing via a caspase-8 and mitochondrial cell death pathway. <i>Immunity</i> , 2022, 55, 423-441.e9.	14.3	61
1945	BH3-Only Proteins Noxa and Puma Are Key Regulators of Induced Apoptosis. <i>Life</i> , 2022, 12, 256.	2.4	32
1946	The concept of intrinsic versus extrinsic apoptosis. <i>Biochemical Journal</i> , 2022, 479, 357-384.	3.7	76
1949	2-Oxy-3-phenylacrylic acid derivatives as potent Mcl-1 inhibitors for treatment of cancer. <i>Results in Chemistry</i> , 2022, 4, 100308.	2.0	0



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1952	The Interaction Between Cancer-associated Fibroblasts and Cancer Cells Enhances Bcl-xL and Mcl-1 in Colorectal Cancer. Anticancer Research, 2022, 42, 1277-1288.	1.1	0
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1954	Should mutant TP53 be targeted for cancer therapy?. Cell Death and Differentiation, 2022, 29, 911-920.	11.2	47
1955	Knockdown of Annexin A2 Enhances Radiosensitivity by Increasing G2/M-Phase Arrest, Apoptosis and Activating the p38 MAPK-HSP27 Pathway in Nasopharyngeal Carcinoma. Frontiers in Oncology, 2022, 12, 769544.	2.8	3
1956	Understanding and Therapeutically Targeting the Scleroderma Myofibroblast. Current Treatment Options in Rheumatology, 2022, 8, 1-18.	1.4	0
1957	Stayinâ€™ alive: BCL-2 proteins in the hematopoietic system. Experimental Hematology, 2022, 110, 1-12.	0.4	9
1958	BH3 mimetic drugs cooperate with Temozolomide, JQ1 and inducers of ferroptosis in killing glioblastoma multiforme cells. Cell Death and Differentiation, 2022, 29, 1335-1348.	11.2	15
1959	Targeting mitochondrial proteases for therapy of acute myeloid leukaemia. British Journal of Pharmacology, 2022, 179, 3268-3282.	5.4	3
1960	Brain-Targeted Codelivery of Bcl-2/Bcl-xl and Mcl-1 Inhibitors by Biomimetic Nanoparticles for Orthotopic Glioblastoma Therapy. ACS Nano, 2022, 16, 6293-6308.	14.6	40
1961	New Perspectives in Treating Acute Myeloid Leukemia: Driving towards a Patient-Tailored Strategy. International Journal of Molecular Sciences, 2022, 23, 3887.	4.1	16
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1963	CRISPR activation screen identifies BCL-2 proteins and B3GNT2 as drivers of cancer resistance to T cell-mediated cytotoxicity. Nature Communications, 2022, 13, 1606.	12.8	40
1964	Synthesis of 3- <i>O</i> -Acetyl-11-keto- $\beta$ -boswellic Acid (AKBA)-Derived Amides and Their Mitochondria-Targeted Antitumor Activities. ACS Omega, 2022, 7, 9853-9866.	3.5	10
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1970	Isoliquiritin Ameliorates Cisplatin-Induced Renal Proximal Tubular Cell Injury by Antagonizing Apoptosis, Oxidative Stress and Inflammation. Frontiers in Medicine, 2022, 9, 873739.	2.6	5
1971	Controllable Assembly of Mo <sup>VI</sup> -Based Polyoxometalate Porous Frameworks with Silver Ions and Lung Cancer Cell-Specific Cytotoxicity. Chemistry of Materials, 2022, 34, 2989-2997.	6.7	6
1972	MIMAS: microfluidic platform in tandem with MALDI mass spectrometry for protein quantification from small cell ensembles. Analytical and Bioanalytical Chemistry, 2022, 414, 3945-3958.	3.7	2
1973	Mitochondria and Other Organelles in Neural Development and Their Potential as Therapeutic Targets in Neurodegenerative Diseases. Frontiers in Neuroscience, 2022, 16, 853911.	2.8	8
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1979	Alfalfa saponins inhibit oxidative stress-induced cell apoptosis through the MAPK signaling pathway. Redox Report, 2022, 27, 1-8.	4.5	13
1980	RNA uridyl transferases TUT4/7 differentially regulate miRNA variants depending on the cancer cell type. Rna, 2022, 28, 353-370.	3.5	9
1981	Impact of Deamidation on the Structure and Function of Antiapoptotic Bcl-x <sub>L</sub> . Journal of Chemical Information and Modeling, 2022, 62, 102-115.	5.4	3
1982	Synthesis, Anticancer Assessment, and Molecular Docking of Novel Chalcone-Thienopyrimidine Derivatives in HepG2 and MCF-7 Cell Lines. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-27.	4.0	14
1983	Targeting the Intrinsic Apoptosis Pathway: A Window of Opportunity for Prostate Cancer. Cancers, 2022, 14, 51.	3.7	12
1984	Lucanthone, Autophagy Inhibitor, Enhances the Apoptotic Effects of TRAIL through miR-216a-5p-Mediated DR5 Upregulation and DUB3-Mediated Mcl-1 Downregulation. International Journal of Molecular Sciences, 2022, 23, 17.	4.1	3
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1987	Bak and Bcl-xL Participate in Regulating Sensitivity of Solid Tumor Derived Cell Lines to Mcl-1 Inhibitors. <i>Cancers</i> , 2022, 14, 181.	3.7	4
1988	The Role of Chloride Channels in the Multidrug Resistance. <i>Membranes</i> , 2022, 12, 38.	3.0	8
1989	A Metal Ion-Controlled Molecular "Open Bridge" Detecting Oxidative Stress-Disrupted Apoptotic Signaling in Pediatric Neuroblastoma. <i>ACS Sensors</i> , 2021, 6, 4499-4506.	7.8	0
1990	Effects of Treadmill Exercise on Mitochondrial DNA Damage and Cardiomyocyte Telomerase Activity in Aging Model Rats Based on Classical Apoptosis Signaling Pathway. <i>BioMed Research International</i> , 2022, 2022, 1-8.	1.9	1
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1992	Molecular mechanisms by which splice modulator GEX1A inhibits leukaemia development and progression. <i>British Journal of Cancer</i> , 2022, 127, 223-236.	6.4	2
1993	Design of Protein Segments and Peptides for Binding to Protein Targets. <i>Biodesign Research</i> , 2022, ,	1.9	6
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1995	Primary acute lymphoblastic leukemia cells are susceptible to microtubule depolymerization in G1 and M phases through distinct cell death pathways*. <i>Journal of Biological Chemistry</i> , 2022, , 101939.	3.4	0
1996	Involvement of NLRP3/Caspase-1/GSDMD-Dependent pyroptosis in BPA-Induced apoptosis of human neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2022, 200, 115042.	4.4	15
1997	Red Blood Cell BCL-xL Is Required for Plasmodium falciparum Survival: Insights into Host-Directed Malaria Therapies. <i>Microorganisms</i> , 2022, 10, 824.	3.6	2
1998	Mitochondrial and metabolic alterations in cancer cells. <i>European Journal of Cell Biology</i> , 2022, 101, 151225.	3.6	19
1999	Fenofibrate mitigates testosterone induced benign prostatic hyperplasia via regulation of Akt/FOXO3a pathway and modulation of apoptosis and proliferation in rats. <i>Archives of Biochemistry and Biophysics</i> , 2022, 723, 109237.	3.0	5
2009	New Insights of Early Brain Injury after Subarachnoid Hemorrhage: A Focus on the Caspase Family. <i>Current Neuropharmacology</i> , 2023, 21, 392-408.	2.9	1
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2013	Synergistic efficacy of homoharringtonine and venetoclax on acute myeloid leukemia cells and the underlying mechanisms. <i>Annals of Translational Medicine</i> , 2022, 10, 490-490.	1.7	7
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2016	Targeting Apoptosis in ALL. <i>Current Hematologic Malignancy Reports</i> , 2022, , 1.	2.3	2
2017	Targeting PI3K/AKT/mTOR pathway to enhance the anti-leukemia efficacy of venetoclax. <i>Experimental Cell Research</i> , 2022, 417, 113192.	2.6	5
2018	Catching a killer: Mechanisms of programmed cell death and immune activation in Amyotrophic Lateral Sclerosis. <i>Immunological Reviews</i> , 2022, 311, 130-150.	6.0	9
2019	Autophagy Inhibition Enhances the Anti-Tumor Activity of Methylseleninic Acid in Cisplatin-Resistance Human Lung Adenocarcinoma Cells. <i>Frontiers in Pharmacology</i> , 2022, 13, 890974.	3.5	4
2020	Alveolar cells in the mammary gland: lineage commitment and cell death. <i>Biochemical Journal</i> , 2022, 479, 995-1006.	3.7	2
2021	Weathering the Storm: Harnessing the Resolution of Inflammation to Limit COVID-19 Pathogenesis. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	11
2022	Data-Driven Mathematical Model of Apoptosis Regulation in Memory Plasma Cells. <i>Cells</i> , 2022, 11, 1547.	4.1	2
2023	Purified PTEN-Long Induces Liver Cancer Cells to Undergo Autophagy and Apoptosis. <i>Frontiers in Surgery</i> , 2022, 9, .	1.4	2
2024	Cisplatin-induced pyroptosis is mediated via the CAPN1/CAPN2-BAK/BAX-caspase-9-caspase-3-GSDME axis in esophageal cancer. <i>Chemico-Biological Interactions</i> , 2022, 361, 109967.	4.0	14
2025	Discovery and structure-activity relationship studies of novel Bcl-2/Mcl-1 dual inhibitors with indole scaffold. <i>Bioorganic Chemistry</i> , 2022, 125, 105845.	4.1	1
2026	Advances and perspectives of proteolysis targeting chimeras (PROTACs) in drug discovery. <i>Bioorganic Chemistry</i> , 2022, 125, 105848.	4.1	17
2027	20(s)-ginsenoside Rh2 promotes TRAIL-induced apoptosis by upregulating DR5 in human hepatocellular carcinoma cells. <i>Medical Oncology</i> , 2022, 39, 70.	2.5	1
2028	Recent advances in IAP-based PROTACs (SNIPERs) as potential therapeutic agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1437-1453.	5.2	13
2029	Autophagy and Apoptosis in Acute Brain Injuries: From Mechanism to Treatment. <i>Antioxidants and Redox Signaling</i> , 2023, 38, 234-257.	5.4	13
2030	Exploring the Therapeutic Potentials of Exopolysaccharides Derived From Lactic Acid Bacteria and Bifidobacteria: Antioxidant, Antitumor, and Periodontal Regeneration. <i>Frontiers in Microbiology</i> , 2022, 13, 803688.	3.5	24
2032	Structural Details of BH3 Motifs and BH3-Mediated Interactions: an Updated Perspective. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, .	3.5	11
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