# CITATION REPORT List of articles citing

Cell death: critical control points

DOI: 10.1016/s0092-8674(04)00046-7 Cell, 2004, 116, 205-19.

Source: https://exaly.com/paper-pdf/37556007/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
2294	References. 133-150		
2293	Potential chemoprevention effect of dietary fucoxanthin on urinary bladder cancer EJ-1 cell line. <b>1994</b> , 20, 1099		9
2292	Enhancement of sodium butyrate-induced cell death and apoptosis by X-irradiation in the human colorectal cancer cell line HCT 116. <b>1994</b> , 20, 397		
2291	NF-kappaB and JNK: an intricate affair. <b>2004</b> , 3, 1524-9		87
2290	Linking JNK signaling to NF-kappaB: a key to survival. <b>2004</b> , 117, 5197-208		238
2289	Preapoptotic chromatin condensation upstream of the mitochondrial checkpoint. <b>2004</b> , 279, 55937-45		27
2288	The adaptive imbalance to genotoxic stress: genome guardians rear their ugly heads. <b>2004</b> , 25, 1787-93		18
2287	FAST is a survival protein that senses mitochondrial stress and modulates TIA-1-regulated changes in protein expression. <b>2004</b> , 24, 10718-32		44
2286	Regulation of cytoplasmic stress granules by apoptosis-inducing factor. <b>2004</b> , 117, 4461-8		75
2285	A caspase-8-independent signaling pathway activated by Fas ligation leads to exposure of the Bak N terminus. <b>2004</b> , 279, 33865-74		16
2284	Cell differentiation: reciprocal regulation of Apaf-1 and the inhibitor of apoptosis proteins. <b>2004</b> , 167, 193-5		18
2283	Cyr61 suppresses growth of human endometrial cancer cells. <b>2004</b> , 279, 53087-96		70
2282	Caspase inhibition during apoptosis causes abnormal signalling and developmental aberrations in Drosophila. <b>2004</b> , 131, 5591-8		249
2281	Caspase-2 permeabilizes the outer mitochondrial membrane and disrupts the binding of cytochrome c to anionic phospholipids. <b>2004</b> , 279, 49575-8		89
2280	"Fas-ten" your seat belt: anti-apoptotic treatment in heart failure takes off. <b>2004</b> , 95, 554-6		16
2279	Cell biology. Tickling macrophages, a serious business. <b>2004</b> , 304, 1123-4		13
2278	Exploiting different ways to die. <b>2004</b> , 18, 1223-6		70

# (2004-2004)

2277	Mcl-1 mediates tumor necrosis factor-related apoptosis-inducing ligand resistance in human cholangiocarcinoma cells. <b>2004</b> , 64, 3517-24	197
2276	Components of the cell death machine and drug sensitivity of the National Cancer Institute Cell Line Panel. <b>2004</b> , 10, 6807-20	57
2275	The mitochondrial death pathway and cardiac myocyte apoptosis. <b>2004</b> , 95, 957-70	467
2274	Centrin gene disruption impairs stage-specific basal body duplication and cell cycle progression in Leishmania. <b>2004</b> , 279, 25703-10	91
2273	Apoptosis and colorectal cancer. <b>2004</b> , 53, 1701-9	112
2272	Splitting the Apoptosome. <b>2004</b> , 3, 444-446	12
2271	c-Myc: Where Death and Division Collide. <b>2004</b> , 3, 454-457	1
2270	SMAC/Diablo-dependent apoptosis induced by nonsteroidal antiinflammatory drugs (NSAIDs) in colon cancer cells. <b>2004</b> , 101, 16897-902	62
2269	Fzo1, a protein involved in mitochondrial fusion, inhibits apoptosis. <b>2004</b> , 279, 52726-34	259
2268	Bcl-2 functionally interacts with inositol 1,4,5-trisphosphate receptors to regulate calcium release from the ER in response to inositol 1,4,5-trisphosphate. <b>2004</b> , 166, 193-203	332
2267	Vulnerability of central neurons to secondary insults after in vitro mechanical stretch. <b>2004</b> , 24, 8106-23	99
2266	The mitochondrial apoptosis-induced channel (MAC) corresponds to a late apoptotic event. <b>2004</b> , 279, 46542-50	32
2265	Tales of cannibalism, suicide, and murder: Programmed cell death in C. elegans. <b>2005</b> , 65, 1-45	31
2264	Activation of p38 MAPK is required for Bax translocation to mitochondria, cytochrome c release and apoptosis induced by UVB irradiation in human keratinocytes. <b>2004</b> , 18, 1946-8	379
2263	Bcr-Abl-mediated protection from apoptosis downstream of mitochondrial cytochrome c release. <b>2004</b> , 24, 10289-99	50
2262	Apoptotic pathways are selectively activated by granzyme A and/or granzyme B in CTL-mediated target cell lysis. <b>2004</b> , 167, 457-68	103
2261	The importance of calcium influx, calpain and calmodulin for the activation of CaCo-2 cell death pathways by Clostridium perfringens enterotoxin. <b>2005</b> , 7, 129-46	87
2260	Mesothelial cell proliferation and apoptosis. <b>2004</b> , 9, 292-9	32

2259	Genetic and epigenetic factors involved in B-cell lymphomagenesis. <b>2004</b> , 95, 704-10	33
2258	Bax activation and induction of apoptosis in human keratinocytes by the protein kinase C delta catalytic domain. <b>2004</b> , 123, 434-43	53
2257	Induction of allergic inflammation by interleukin-18 in experimental animal models. <b>2004</b> , 202, 115-38	68
2256	Lifespan and mitochondrial control of neurodegeneration. <b>2004</b> , 36, 1153-8	95
2255	Cancer genes and the pathways they control. <b>2004</b> , 10, 789-99	3175
2254	Molecular mechanisms of caspase regulation during apoptosis. <b>2004</b> , 5, 897-907	1456
2253	Chlamydia and apoptosis: life and death decisions of an intracellular pathogen. <b>2004</b> , 2, 802-8	158
2252	Apoptosis and disease: a matter of cell fate. <b>2004</b> , 11, 1366-72	16
2251	Activation of cardiac Cdk9 represses PGC-1 and confers a predisposition to heart failure. <b>2004</b> , 23, 3559-69	134
2250	Apoptosis and disease: a life or death decision. <b>2004</b> , 5, 674-8	59
2250	Apoptosis and disease: a life or death decision. 2004, 5, 674-8  A RasGAP-derived cell permeable peptide potently enhances genotoxin-induced cytotoxicity in tumor cells. 2004, 23, 8971-8	59 45
2249	A RasGAP-derived cell permeable peptide potently enhances genotoxin-induced cytotoxicity in	
2249	A RasGAP-derived cell permeable peptide potently enhances genotoxin-induced cytotoxicity in tumor cells. <b>2004</b> , 23, 8971-8	45
2249	A RasGAP-derived cell permeable peptide potently enhances genotoxin-induced cytotoxicity in tumor cells. 2004, 23, 8971-8  G1 cell-cycle control and cancer. 2004, 432, 298-306  Intrinsic tumour suppression. 2004, 432, 307-15	45 929
2249 2248 2247	A RasGAP-derived cell permeable peptide potently enhances genotoxin-induced cytotoxicity in tumor cells. 2004, 23, 8971-8  G1 cell-cycle control and cancer. 2004, 432, 298-306  Intrinsic tumour suppression. 2004, 432, 307-15	45 929 1029
2249 2248 2247 2246	A RasGAP-derived cell permeable peptide potently enhances genotoxin-induced cytotoxicity in tumor cells. 2004, 23, 8971-8  G1 cell-cycle control and cancer. 2004, 432, 298-306  Intrinsic tumour suppression. 2004, 432, 307-15  Beginnings of a signal-transduction pathway for bioenergetic control of cell survival. 2004, 29, 586-92  Homeodomain-interacting protein kinase-2 regulates apoptosis in developing sensory and sympathetic neurons. 2004, 14, 1761-5	45 929 1029 107
2249 2248 2247 2246	A RasGAP-derived cell permeable peptide potently enhances genotoxin-induced cytotoxicity in tumor cells. 2004, 23, 8971-8  G1 cell-cycle control and cancer. 2004, 432, 298-306  Intrinsic tumour suppression. 2004, 432, 307-15  Beginnings of a signal-transduction pathway for bioenergetic control of cell survival. 2004, 29, 586-92  Homeodomain-interacting protein kinase-2 regulates apoptosis in developing sensory and sympathetic neurons. 2004, 14, 1761-5	45 929 1029 107

# (2004-2004)

2241	Regulation of mitochondrial membrane permeabilization by BCL-2 family proteins and caspases. <b>2004</b> , 16, 647-52		218
2240	Death by design: apoptosis, necrosis and autophagy. <b>2004</b> , 16, 663-9		1077
2239	Apoptosis of multiple myeloma. <b>2004</b> , 80, 224-31		39
2238	Bcl-2-related genes in lymphoid neoplasia. <b>2004</b> , 80, 205-9		17
2237	Multiple cell death programs: Charon's lifts to Hades. <b>2004</b> , 5, 101-10		36
2236	Medicine. Targeting apoptotic pathways in cancer cells. <b>2004</b> , 305, 1411-3		90
2235	CHOP is involved in endoplasmic reticulum stress-induced apoptosis by enhancing DR5 expression in human carcinoma cells. <b>2004</b> , 279, 45495-502		593
2234	Nuclear import of proinflammatory transcription factors is required for massive liver apoptosis induced by bacterial lipopolysaccharide. <b>2004</b> , 279, 48434-42		93
2233	A role for wingless in an early pupal cell death event that contributes to patterning the Drosophila eye. <b>2004</b> , 121, 1523-30		50
2232	Cytometric methods to detect apoptosis. <b>2004</b> , 75, 307-41		31
2231	Activation of apoptosis in vivo by a hydrocarbon-stapled BH3 helix. <b>2004</b> , 305, 1466-70		1098
2230	A role for Drosophila IAP1-mediated caspase inhibition in Rac-dependent cell migration. <i>Cell</i> , <b>2004</b> , 118, 111-25	56.2	154
2229	Ferritin heavy chain upregulation by NF-kappaB inhibits TNFalpha-induced apoptosis by suppressing reactive oxygen species. <i>Cell</i> , <b>2004</b> , 119, 529-42	56.2	513
2228	Fire and death: the pyrin domain joins the death-domain superfamily. <b>2004</b> , 327, 1077-86		40
2227	The PDGF/VEGF receptor controls blood cell survival in Drosophila. 2004, 7, 73-84		197
2226	Apoptotic cells can induce compensatory cell proliferation through the JNK and the Wingless signaling pathways. <b>2004</b> , 7, 491-501		463
2225	Untangling the web: mitochondrial fission and apoptosis. <b>2004</b> , 7, 460-2		16
2224	The apical caspase dronc governs programmed and unprogrammed cell death in Drosophila. <b>2004</b> , 7, 897-907		131

2223	Participation of endoplasmic reticulum and mitochondrial calcium handling in apoptosis: more than just neighborhood?. <b>2004</b> , 567, 111-5	109
2222	Mitochondrial proteins in neuronal degeneration. <b>2004</b> , 321, 753-8	38
2221	Caspase-12 cleavage and increased oxidative stress during motoneuron degeneration in transgenic mouse model of ALS. <b>2004</b> , 322, 281-6	95
2220	On the antioxidant mechanisms of Bcl-2: a retrospective of NF-kappaB signaling and oxidative stress. <b>2004</b> , 322, 355-63	25
2219	Eggs over easy: cell death in the Drosophila ovary. <b>2004</b> , 274, 3-14	151
2218	Early neural cell death: dying to become neurons. <b>2004</b> , 274, 233-44	117
2217	Apoptosome formation and caspase activation: is it different in the heart?. <b>2004</b> , 37, 643-52	55
2216	Amyotrophic lateral sclerosis-associated SOD1 mutant proteins bind and aggregate with Bcl-2 in spinal cord mitochondria. <b>2004</b> , 43, 19-30	394
2215	T-lymphocyte death during shutdown of an immune response. <b>2004</b> , 25, 610-5	147
2214	Inhibition of both the extrinsic and intrinsic death pathways through nonhomotypic death-fold interactions. <b>2004</b> , 15, 901-12	158
2213	Cell death, BAX activation, and HMGB1 release during infection with Chlamydia. 2004, 6, 1145-55	29
2212	VEGF induces Mcl-1 up-regulation and protects multiple myeloma cells against apoptosis. <b>2004</b> , 104, 2886-92	130
2211	Cell death mode switch from necrosis to apoptosis in brain. <b>2004</b> , 27, 950-5	40
2210	Mechanisms of Membrane Permeabilization by Apoptosis-Regulatory Proteins of the BCL-2 Family. <b>2005</b> , 2, 305-316	
2209	Increased chondrocyte apoptosis in growth plates from children with slipped capital femoral epiphysis. <b>2005</b> , 25, 440-4	18
2208	An Introduction to Mitochondria and the Heart. <b>2005</b> , 1-26	
2207	Targeting Apoptosis Pathways for Cancer Therapy. <b>2005</b> , 229-244	O
2206	Mast cell apoptosis. <b>2006</b> , 315, 407-23	4

### (2005-2005)

2205	Growth factors regulate cell survival by controlling nutrient transporter expression. <b>2005</b> , 33, 225-7	21
2204	The transcriptional program of terminal granulocytic differentiation. <b>2005</b> , 105, 1785-96	216
2203	Evidence for a protective role of Mcl-1 in proteasome inhibitor-induced apoptosis. <b>2005</b> , 105, 3255-62	108
2202	Plasma membrane sequestration of apoptotic protease-activating factor-1 in human B-lymphoma cells: a novel mechanism of chemoresistance. <b>2005</b> , 105, 4070-7	44
2201	Cell Death in Organ Development. 347-357	
2200	Scale-free neurodegeneration: cellular heterogeneity and the stretched exponential kinetics of cell death. <b>2005</b> , 233, 515-25	17
2199	Radiation-induced apoptosis in the eye structures: a review. <b>2005</b> , 72, 409-418	3
2198	Apoptosis and lipoapoptosis in the fission yeast Schizosaccharomyces pombe. <b>2005</b> , 5, 1199-206	31
2197	Novel apoptosis inducing agents in cancer therapy. <b>2005</b> , 29, 8-32	13
2196	Application of XIAP antisense to cancer and other proliferative disorders: development of AEG35156/ GEM640. <b>2005</b> , 1058, 215-34	51
2195	BSP and RANKL induce osteoclastogenesis and bone resorption synergistically. <b>2005</b> , 20, 1669-79	56
2194	Neuronal cell death in alphavirus encephalomyelitis. <b>2005</b> , 289, 57-77	47
2193	DNA degradation in development and programmed cell death. <b>2005</b> , 23, 853-75	176
2192	Mitochondria are involved in the neurogenic neuroprotection conferred by stimulation of cerebellar fastigial nucleus. <b>2005</b> , 95, 221-9	22
2191	Inhibition of apoptosis-inducing factor translocation is involved in protective effects of hepatocyte growth factor against excitotoxic cell death in cultured hippocampal neurons. <b>2005</b> , 95, 1277-86	22
2190	The role of endothelial cell apoptosis in inflammatory and immune diseases. <b>2005</b> , 3, 1815-24	113
2189	Caspase-independent retinal ganglion cell death after target ablation in the neonatal rat. 2005, 21, 33-45	19
2188	Apoptosis: a basic biological phenomenon with wide-ranging implications in human disease. <b>2005</b> , 258, 479-517	463

2187	53BP2 induces apoptosis through the mitochondrial death pathway. <b>2005</b> , 10, 253-60	28
2186	Inhibition of the 53BP2S-mediated apoptosis by nuclear factor kappaB and Bcl-2 family proteins. <b>2005</b> , 10, 803-11	16
2185	Involvement of mitochondrial aggregation in arsenic trioxide (As2O3)-induced apoptosis in human glioblastoma cells. <b>2005</b> , 96, 825-33	79
2184	Probing cell death by chemical screening. <b>2005</b> , 1, 68-9	3
2183	A photochemical snapshot of CD22 binding. <b>2005</b> , 1, 69-70	5
2182	Caspase-independent cell death. <b>2005</b> , 11, 725-30	598
2181	Ovarian cancer metastasis: integrating insights from disparate model organisms. <b>2005</b> , 5, 355-66	427
2180	Promoting apoptosis as a strategy for cancer drug discovery. <b>2005</b> , 5, 876-85	894
2179	The role of BH3-only proteins in the immune system. <b>2005</b> , 5, 189-200	508
2178	Do inducers of apoptosis trigger caspase-independent cell death?. <b>2005</b> , 6, 268-75	260
2177	Translational control in stress and apoptosis. <b>2005</b> , 6, 318-27	1010
2176	Conveying a deadly message. <b>2005</b> , 6, 674-674	
2175	Doctor Jekyll and Mister Hyde: autophagy can promote both cell survival and cell death. <b>2005</b> , 12 Suppl 2, 1468-72	68
2174	Concomitant loss of proapoptotic BH3-only Bcl-2 antagonists Bik and Bim arrests spermatogenesis. <b>2005</b> , 24, 3963-73	84
2173	Proapoptotic BAX and BAK control multiple initiator caspases. <b>2005</b> , 6, 379-85	101
2172	Michelob_x is the missing inhibitor of apoptosis protein antagonist in mosquito genomes. <b>2005</b> , 6, 769-74	34
2171	Yeast caspase 1 links messenger RNA stability to apoptosis in yeast. <b>2005</b> , 6, 1076-81	85
2170	Nitric oxide inhibits caspase activation and apoptotic morphology but does not rescue neuronal death. <b>2005</b> , 25, 348-57	41

2169	Epilepsy and apoptosis pathways. <b>2005</b> , 25, 1557-72	153
2168	Induction of prosurvival molecules by apoptotic stimuli: involvement of FOXO3a and ROS. <b>2005</b> , 24, 2020-31	83
2167	Caspase-dependent processing activates the proapoptotic activity of deleted in breast cancer-1 during tumor necrosis factor-alpha-mediated death signaling. <b>2005</b> , 24, 4908-20	60
2166	Caspase-9 and effector caspases have sequential and distinct effects on mitochondria. <b>2005</b> , 24, 6354-66	35
2165	Viruses - seeking and destroying the tumor program. <b>2005</b> , 24, 7640-55	52
2164	Mitochondria-associated apoptotic signalling in denervated rat skeletal muscle. <b>2005</b> , 565, 309-23	162
2163	DRP-1-mediated mitochondrial fragmentation during EGL-1-induced cell death in C. elegans. <b>2005</b> , 433, 754-60	270
2162	An inhibitor of Bcl-2 family proteins induces regression of solid tumours. <b>2005</b> , 435, 677-81	2835
2161	Cell biology: divide and conquer. <b>2005</b> , 433, 692-4	6
2160	Cell biology: A BID for the pathway. <b>2005</b> , 437, 1103	8
2159	Apoptosis in the epithelial cells of the rests of Malassez of the periodontium of rat molars. <b>2005</b> , 40, 365-72	36
2158	Induction of apoptosis-like mitochondrial impairment triggers antioxidant and Bcl-2-dependent keratinocyte differentiation. <b>2005</b> , 125, 647-58	31
2157	Induction of apoptosis in the lung tissue from rats exposed to cigarette smoke involves p38/JNK MAPK pathway. <b>2005</b> , 155, 31-42	65
2156	Life in the balance: how BH3-only proteins induce apoptosis. <b>2005</b> , 17, 617-25	632
2155	The tumor suppressor DAP kinase is a target of RSK-mediated survival signaling. <b>2005</b> , 15, 1762-7	107
2154	Bax/Bak-dependent release of DDP/TIMM8a promotes Drp1-mediated mitochondrial fission and mitoptosis during programmed cell death. <b>2005</b> , 15, 2112-8	182
2153	Regulation of Bcl-2 and Bcl-xL anti-apoptotic protein expression by nuclear receptor PXR in primary cultures of human and rat hepatocytes. <b>2005</b> , 1745, 48-58	66
2152	Ultraviolet radiation-induced apoptosis in keratinocytes: on the role of cytosolic factors. <b>2005</b> , 1755, 90-106	71

2151	HSP60, Bax, apoptosis and the heart. 2005, 9, 51-8	151
2150	A structure of the human apoptosome at 12.8 A resolution provides insights into this cell death platform. <b>2005</b> , 13, 1725-35	122
2149	Regulation of apoptosis: uncovering the binding determinants. <b>2005</b> , 15, 690-9	61
2148	Apoptosis of tail muscle during amphibian metamorphosis involves a caspase 9-dependent mechanism. <b>2005</b> , 233, 76-87	21
2147	Teratogen-induced apoptotic cell death: does the apoptotic machinery act as a protector of embryos exposed to teratogens?. <b>2005</b> , 75, 353-61	14
2146	Molecular mechanisms of trophoblast survival: from implantation to birth. <b>2005</b> , 75, 262-80	24
2145	Osteoblasts engulf apoptotic bodies during alveolar bone formation in the rat maxilla. <b>2005</b> , 286, 833-40	24
2144	Hibiscus polyphenol-rich extract induces apoptosis in human gastric carcinoma cells via p53 phosphorylation and p38 MAPK/FasL cascade pathway. <b>2005</b> , 43, 86-99	69
2143	An epigrammatic (abridged) recounting of the myriad tales of astonishing deeds and dire consequences pertaining to nitric oxide and reactive oxygen species in mitochondria with an ancillary missive concerning the origins of apoptosis. <b>2005</b> , 208, 259-71	23
2142	Mitochondria: A novel target for the chemoprevention of cancer. <b>2005</b> , 10, 687-705	93
2141	A novel time resolved fluorometric assay of anoikis using Europium-labelled Annexin V in cultured adherent cells. <b>2005</b> , 10, 429-37	12
2140	Reactive oxygen species induce signals that lead to apoptotic DNA degradation in primary CD4+ T cells. <b>2005</b> , 10, 1433-43	6
2139	Sensitization of prostate carcinoma cells to Apo2L/TRAIL by a Bcl-2 family protein inhibitor. <b>2005</b> , 10, 1411-8	62
2138	The signaling and apoptotic effects of TNF-related apoptosis-inducing ligand in HIV-1 associated dementia. <b>2005</b> , 8, 135-48	16
2137	Mitochondrial carrier homolog 2: a clue to cracking the BCL-2 family riddle?. 2005, 37, 113-9	15
2136	The role of the mitochondrial apoptosis induced channel MAC in cytochrome c release. <b>2005</b> , 37, 155-64	50
2135	Proteins that fuse and fragment mitochondria in apoptosis: con-fissing a deadly con-fusion?. <b>2005</b> , 37, 165-70	33
2134	The anti-death machinery in IKK/NF-kappaB signaling. <b>2005</b> , 25, 541-50	88

2133	Clinging to life: cell to matrix adhesion and cell survival. <b>2005</b> , 24, 425-39	352
2132	Saturated free fatty acids and apoptosis in microvascular mesangial cells: palmitate activates pro-apoptotic signaling involving caspase 9 and mitochondrial release of endonuclease G. <b>2005</b> , 4, 2	49
2131	What have animal models taught us about the p53 pathway?. 2005, 206-20	67
2130	Brain chemotherapy from the bench to the clinic: targeting neuronal survival with small molecule inhibitors of apoptosis. <b>2005</b> , 10, 552-68	2
2129	Signaling Pathways Controling Prion Neurotoxicity: Role of Endoplasmic Reticulum Stress-Mediated Apoptosis. <b>2005</b> , 319-344	1
2128	Involvement of Bcl-2 family proteins in p53-induced apoptosis. <b>2005</b> , 72, 192-3	11
2127	. 2005,	6
2126	Bag-1 Expression in Hyperplastic and Neoplastic Prostate Tissue: Is There Any Relationship with BCL-Related Proteins and Androgen Receptor Status?. <b>2005</b> , 91, 539-545	5
2125	Resistance to Apoptosis in Cancer Therapy. <b>2005</b> , 43-64	1
2124	Modulation of apoptotic pathways in intestinal mucosa during hibernation. <b>2005</b> , 289, R586-R595	51
2123	Structural requirements for signal-induced target binding of FADD determined by functional reconstitution of FADD deficiency. <b>2005</b> , 280, 31360-7	19
2122	Bleomycin induces alveolar epithelial cell death through JNK-dependent activation of the mitochondrial death pathway. <b>2005</b> , 289, L521-8	56
2121	Aging sustains the hypertrophy-associated elevation of apoptotic suppressor X-linked inhibitor of apoptosis protein (XIAP) in skeletal muscle during unloading. <b>2005</b> , 60, 976-83	17
2120	Influenza virus PB1-F2 protein induces cell death through mitochondrial ANT3 and VDAC1. <b>2005</b> , 1, e4	270
2119	A surface groove essential for viral Bcl-2 function during chronic infection in vivo. <b>2005</b> , 1, e10	56
2118	Strategies to create a regenerating environment for the injured spinal cord. <b>2005</b> , 11, 1267-77	22
2117	Mitochondrial carrier homolog 2 is a target of tBID in cells signaled to die by tumor necrosis factor alpha. <b>2005</b> , 25, 4579-90	75
2116	Death by association: BH3 domain-only proteins and liver injury. <b>2005</b> , 289, G987-90	14

2115	Bax-dependent regulation of Bak by voltage-dependent anion channel 2. <b>2005</b> , 280, 19051-61	76
2114	Combined loss of proapoptotic genes Bak or Bax with Bim synergizes to cause defects in hematopoiesis and in thymocyte apoptosis. <b>2005</b> , 201, 1949-60	46
2113	Dpp signaling and the induction of neoplastic tumors by caspase-inhibited apoptotic cells in Drosophila. <b>2005</b> , 102, 17664-9	57
2112	Expression of genes encoding innate host defense molecules in normal human monocytes in response to Candida albicans. <b>2005</b> , 73, 3714-24	77
2111	The multidomain proapoptotic molecules Bax and Bak are directly activated by heat. 2005, 102, 17975-80	154
2110	Inhibition of nuclear translocation of nuclear factor-kappaB despite lack of functional IkappaBalpha protein overcomes multiple defects in apoptosis signaling in human B-cell malignancies. <b>2005</b> , 11, 8186-94	17
2109	Involvement of cathepsin D in chemotherapy-induced cytochrome c release, caspase activation, and cell death. <b>2005</b> , 4, 733-42	84
2108	Uncoupled anti-HIV and immune-enhancing effects when combining IFN-alpha and IL-7. <b>2005</b> , 175, 3724-36	11
2107	Depletion of Chk1 leads to premature activation of Cdc2-cyclin B and mitotic catastrophe. <b>2005</b> , 280, 39246-52	100
2106	Proton NMR spectroscopy shows lipids accumulate in skeletal muscle in response to burn trauma-induced apoptosis. <b>2005</b> , 19, 1431-40	26
2105	Functional proteomic screen identifies a modulating role for CD44 in death receptor-mediated apoptosis. <b>2005</b> , 65, 1887-96	32
2104	Interleukin-10 enhances the oxidized LDL-induced foam cell formation of macrophages by antiapoptotic mechanisms. <b>2005</b> , 46, 211-9	68
2103	Essential role of BAX,BAK in B cell homeostasis and prevention of autoimmune disease. <b>2005</b> , 102, 11272-7	162
2102	Acquisition of full effector function in vitro paradoxically impairs the in vivo antitumor efficacy of adoptively transferred CD8+ T cells. <b>2005</b> , 115, 1616-26	701
2101	Oligomeric Bax is a component of the putative cytochrome c release channel MAC, mitochondrial apoptosis-induced channel. <b>2005</b> , 16, 2424-32	190
2100	Delineation of myotoxicity induced by 3-hydroxy-3-methylglutaryl CoA reductase inhibitors in human skeletal muscle cells. <b>2005</b> , 314, 1032-41	78
2099	FTY720 induces apoptosis in multiple myeloma cells and overcomes drug resistance. <b>2005</b> , 65, 7478-84	86
2098	PAK4 functions in tumor necrosis factor (TNF) alpha-induced survival pathways by facilitating TRADD binding to the TNF receptor. <b>2005</b> , 280, 41192-200	70

# (2005-2005)

2097	Justicidin A decreases the level of cytosolic Ku70 leading to apoptosis in human colorectal cancer cells. <b>2005</b> , 26, 1716-30	51
2096	Bim regulation of lumen formation in cultured mammary epithelial acini is targeted by oncogenes. <b>2005</b> , 25, 4591-601	116
2095	The CARD-carrying caspase Dronc is essential for most, but not all, developmental cell death in Drosophila. <b>2005</b> , 132, 2125-34	147
2094	Structure of Apaf-1 in the auto-inhibited form: a critical role for ADP. <b>2005</b> , 4, 1001-3	22
2093	Overview of cell death signaling pathways. <b>2005</b> , 4, 139-63	860
2092	Apoptosis: Morphological Criteria and Other Assays. 2005,	1
2091	Application of Apoptosis to Cancer Treatment. 2005,	
2090	Retinal-cell-conditioned medium prevents TNF-alpha-induced apoptosis of purified ganglion cells. <b>2005</b> , 46, 2983-91	50
2089	Solution structure of prosurvival Mcl-1 and characterization of its binding by proapoptotic BH3-only ligands. <b>2005</b> , 280, 4738-44	162
2088	Hsp70 inhibits heat-induced apoptosis upstream of mitochondria by preventing Bax translocation. <b>2005</b> , 280, 38729-39	316
2087	Distinct domains control the addressing and the insertion of Bax into mitochondria. <b>2005</b> , 280, 10587-98	76
2086	Rapid turnover of c-FLIPshort is determined by its unique C-terminal tail. <b>2005</b> , 280, 27345-55	119
2085	MAP-1 is a mitochondrial effector of Bax. <b>2005</b> , 102, 14623-8	88
2084	IgH V-region sequence does not predict the survival fate of human germinal center B cells. <b>2005</b> , 174, 2805-13	8
2083	Apoptosis induced by the toll-like receptor adaptor TRIF is dependent on its receptor interacting protein homotypic interaction motif. <b>2005</b> , 174, 4942-52	290
2082	Adult motor neuron apoptosis is mediated by nitric oxide and Fas death receptor linked by DNA damage and p53 activation. <b>2005</b> , 25, 6449-59	124
2081	Molecular cloning and characterization of a human AIF-like gene with ability to induce apoptosis. <b>2005</b> , 280, 19673-81	46
2080	ets-2 promotes the activation of a mitochondrial death pathway in Down's syndrome neurons. <b>2005</b> , 25, 2295-303	67

2079	The reaper-binding protein scythe modulates apoptosis and proliferation during mammalian development. <b>2005</b> , 25, 10329-37	78
2078	Release of OPA1 during apoptosis participates in the rapid and complete release of cytochrome c and subsequent mitochondrial fragmentation. <b>2005</b> , 280, 35742-50	203
2077	Transforming growth factor beta-dependent sequential activation of Smad, Bim, and caspase-9 mediates physiological apoptosis in gastric epithelial cells. <b>2005</b> , 25, 10017-28	77
2076	Mitochondrial release of pro-apoptotic proteins: electrostatic interactions can hold cytochrome c but not Smac/DIABLO to mitochondrial membranes. <b>2005</b> , 280, 2266-74	136
2075	Protein kinase A regulates caspase-9 activation by Apaf-1 downstream of cytochrome c. <b>2005</b> , 280, 15449-55	74
2074	Expression of an uncleavable N-terminal RasGAP fragment in insulin-secreting cells increases their resistance toward apoptotic stimuli without affecting their glucose-induced insulin secretion. <b>2005</b> , 280, 32835-42	18
2073	Selective knockdown of the long variant of cellular FLICE inhibitory protein augments death receptor-mediated caspase-8 activation and apoptosis. <b>2005</b> , 280, 19401-9	120
2072	Alternative signaling pathways regulating type I interferon-induced apoptosis. <b>2005</b> , 25, 799-810	31
2071	Progesterone differentially regulates pro- and anti-apoptotic gene expression in cerebral cortex following traumatic brain injury in rats. <b>2005</b> , 22, 656-68	91
2070	Cutting edge: innate immunity conferred by B cells is regulated by caspase-8. <b>2005</b> , 175, 3469-73	142
2069	Mis-specified cells die by an active gene-directed process, and inhibition of this death results in cell fate transformation in Drosophila. <b>2005</b> , 132, 5343-52	22
2068	Cooperative cytotoxicity of proteasome inhibitors and tumor necrosis factor-related apoptosis-inducing ligand in chemoresistant Bcl-2-overexpressing cells. <b>2005</b> , 11, 4259-65	55
2067	Three-dimensional polarization sensitizes hepatocytes to Fas/CD95 apoptotic signalling. <b>2005</b> , 118, 2763-73	26
2066	Blockade of epidermal growth factor receptors chemosensitizes breast cancer cells through up-regulation of Bnip3L. <b>2005</b> , 65, 8151-7	59
2065	Flavivirus activates phosphatidylinositol 3-kinase signaling to block caspase-dependent apoptotic cell death at the early stage of virus infection. <b>2005</b> , 79, 8388-99	152
2064	Caspases: pharmacological manipulation of cell death. <b>2005</b> , 115, 2665-72	429
2063	Apoptosis-inducing factor is a key factor in neuronal cell death propagated by BAX-dependent and BAX-independent mechanisms. <b>2005</b> , 25, 1324-34	158
2062	Muscle-specific loss of apoptosis-inducing factor leads to mitochondrial dysfunction, skeletal muscle atrophy, and dilated cardiomyopathy. <b>2005</b> , 25, 10261-72	174

2061 BH3-only proteins in control: specificity regulates MCL-1 and BAK-mediated apoptosis. <b>2005</b> , 19, 1263-	<b>-8</b> 97
Small-interfering RNA-induced androgen receptor silencing leads to apoptotic cell death in prostate cancer. <b>2005</b> , 4, 505-15	153
2059 In the Crosshairs: NF-B Targets the JNK Signaling Cascade. <b>2005</b> , 4, 569-576	1
2058 Leukocyte apoptosis and its significance in sepsis and shock. <b>2005</b> , 78, 325-37	240
Bcl-X(L) specifically activates Bak to induce swelling and restructuring of the endoplasmic reticulum. <b>2005</b> , 168, 723-34	54
2056 Mammalian prion protein suppresses Bax-induced cell death in yeast. <b>2005</b> , 280, 17430-4	55
NF-kappaB protects macrophages from lipopolysaccharide-induced cell death: the role of caspase 8 and receptor-interacting protein. <b>2005</b> , 280, 41827-34	73
Impaired Akt activity down-modulation, caspase-3 activation, and apoptosis in cells expressing a caspase-resistant mutant of RasGAP at position 157. <b>2005</b> , 16, 3511-20	34
Ecdysone-mediated up-regulation of the effector caspase DRICE is required for hormone-dependent apoptosis in Drosophila cells. <b>2005</b> , 280, 11981-6	48
Conformational changes in BID, a pro-apoptotic BCL-2 family member, upon membrane binding. A site-directed spin labeling study. <b>2005</b> , 280, 753-67	72
Mitochondria and the success of somatic cell nuclear transfer cloning: from nuclear-mitochondrial interactions to mitochondrial complementation and mitochondrial DNA recombination. <b>2005</b> , 17, 69-8	38
2050 Enhancing TRAIL-induced apoptosis by Bcl-X(L) siRNA. <b>2005</b> , 4, 393-7	46
Activation of p53/p21Waf1/Cip1 pathway by 5-aza-2'-deoxycytidine inhibits cell proliferation, induces pro-apoptotic genes and mitogen-activated protein kinases in human prostate cancer cells. <b>2005</b> , 26, 863	4
2048 Systems biology of apoptosis. 349-372	2
Modulating the bcl-2 family of apoptosis suppressors for potential therapeutic benefit in cancer. <b>2047 2005</b> , 2005, 226-30	63
2046 Mitochondrial hexokinases: guardians of the mitochondria. <b>2005</b> , 4, 654-8	85
2045 Impaired phagocytosis in caveolin-1 deficient macrophages. <b>2005</b> , 4, 1599-607	51
2044 ROS Generation, Antioxidants, and Cell Death. <b>2005</b> , 99-122	

2043 Molecular regulation of acute ethanol-induced neuron apoptosis. <b>2005</b> , 64, 490-7	46
2042 JNK antagonizes Akt-mediated survival signals by phosphorylating 14-3-3. <b>2005</b> , 170, 295-3	04 273
Low temperature protects mammalian cells from apoptosis initiated by various stimuli in vi <b>204</b> 1 <b>2005</b> , 309, 264-72	tro. 46
<sub>2040</sub> The role of apoptosis in the development and function of T lymphocytes. <b>2005</b> , 15, 749-69	101
2039 Akt, hexokinase, mTOR: Targeting cellular energy metabolism for cancer therapy. <b>2005</b> , 2, 2	239-246 12
2038 Role of apoptosis in heart failure. <b>2005</b> , 1, 251-61	20
2037 Connected to death: the (unexpurgated) mitochondrial pathway of apoptosis. <b>2005</b> , 310, 66	5-7 228
2036 Mast Cells. <b>2005</b> ,	3
2035 Mitochondrial DNA mutations, apoptosis, and the misfolded protein response. <b>2005</b> , 8, 216	-26 12
2034 Modulation of apoptosis as a target for liver disease. <b>2005</b> , 9, 83-99	39
Modulation of apoptosis as a target for liver disease. <b>2005</b> , 9, 83-99  Mesenchymal stem cells support expansion of in vitro irradiated CD34(+) cells in the present SCF, FLT3 ligand, TPO and IL3: potential application to autologous cell therapy in accidental irradiated victims. <b>2005</b> , 164, 1-9	ice of
Mesenchymal stem cells support expansion of in vitro irradiated CD34(+) cells in the presentable SCF, FLT3 ligand, TPO and IL3: potential application to autologous cell therapy in accidental	ace of Ily 20
Mesenchymal stem cells support expansion of in vitro irradiated CD34(+) cells in the present SCF, FLT3 ligand, TPO and IL3: potential application to autologous cell therapy in accidental irradiated victims. <b>2005</b> , 164, 1-9  Proapoptotic Bak is sequestered by Mcl-1 and Bcl-xL, but not Bcl-2, until displaced by BH3-c	oce of Ily 20 only 981
Mesenchymal stem cells support expansion of in vitro irradiated CD34(+) cells in the present SCF, FLT3 ligand, TPO and IL3: potential application to autologous cell therapy in accidental irradiated victims. 2005, 164, 1-9  Proapoptotic Bak is sequestered by Mcl-1 and Bcl-xL, but not Bcl-2, until displaced by BH3-c proteins. 2005, 19, 1294-305  Cyclophilin D is a component of mitochondrial permeability transition and mediates neuron	oce of Ily 20 only 981
Mesenchymal stem cells support expansion of in vitro irradiated CD34(+) cells in the present SCF, FLT3 ligand, TPO and IL3: potential application to autologous cell therapy in accidental irradiated victims. 2005, 164, 1-9  Proapoptotic Bak is sequestered by Mcl-1 and Bcl-xL, but not Bcl-2, until displaced by BH3-c proteins. 2005, 19, 1294-305  Cyclophilin D is a component of mitochondrial permeability transition and mediates neuron death after focal cerebral ischemia. 2005, 102, 12005-10	only 981  al cell 671
Mesenchymal stem cells support expansion of in vitro irradiated CD34(+) cells in the present SCF, FLT3 ligand, TPO and IL3: potential application to autologous cell therapy in accidental irradiated victims. 2005, 164, 1-9  Proapoptotic Bak is sequestered by Mcl-1 and Bcl-xL, but not Bcl-2, until displaced by BH3-c proteins. 2005, 19, 1294-305  Cyclophilin D is a component of mitochondrial permeability transition and mediates neuron death after focal cerebral ischemia. 2005, 102, 12005-10  Does autophagy contribute to cell death?. 2005, 1, 66-74  Targeted induction of apoptosis in cancer management: the emerging role of tumor necros	only 981  al cell 671  369
Mesenchymal stem cells support expansion of in vitro irradiated CD34(+) cells in the present SCF, FLT3 ligand, TPO and IL3: potential application to autologous cell therapy in accidental irradiated victims. 2005, 164, 1-9  Proapoptotic Bak is sequestered by Mcl-1 and Bcl-xL, but not Bcl-2, until displaced by BH3-cd proteins. 2005, 19, 1294-305  Cyclophilin D is a component of mitochondrial permeability transition and mediates neuron death after focal cerebral ischemia. 2005, 102, 12005-10  Does autophagy contribute to cell death?. 2005, 1, 66-74  Targeted induction of apoptosis in cancer management: the emerging role of tumor necros factor-related apoptosis-inducing ligand receptor activating agents. 2005, 23, 9394-407	only 981  al cell 671  369

### (2005-2005)

2025	The tumor suppressor RASSF1A and MAP-1 link death receptor signaling to Bax conformational change and cell death. <b>2005</b> , 18, 637-50		152
2024	BCL-2: found bound and drugged!. <b>2005</b> , 11, 442-4		40
2023	BRE enhances in vivo growth of tumor cells. <b>2005</b> , 326, 268-73		19
2022	Overexpression of glutaredoxin 2 attenuates apoptosis by preventing cytochrome c release. <b>2005</b> , 327, 774-9		135
2021	Death squads enlisted by the tumour suppressor p53. <b>2005</b> , 331, 786-98		103
2020	p53-A pro-apoptotic signal transducer involved in AIDS. <b>2005</b> , 331, 701-6		25
2019	Characterization of a conserved apoptotic marker expressed in Caenorhabditis elegans phagocytic cells. <b>2005</b> , 335, 1231-8		4
2018	Minocycline up-regulates BCL-2 levels in mitochondria and attenuates male germ cell apoptosis. <b>2005</b> , 337, 663-9		34
2017	Control of cell proliferation and apoptosis by mob as tumor suppressor, mats. <i>Cell</i> , <b>2005</b> , 120, 675-85	56.2	441
2016	Specific ablation of the apoptotic functions of cytochrome C reveals a differential requirement for cytochrome C and Apaf-1 in apoptosis. <i>Cell</i> , <b>2005</b> , 121, 579-591	56.2	223
2015	Electron transfer between cytochrome c and p66Shc generates reactive oxygen species that trigger mitochondrial apoptosis. <i>Cell</i> , <b>2005</b> , 122, 221-33	56.2	919
2014	Apoptotic pathways: ten minutes to dead. <i>Cell</i> , <b>2005</b> , 121, 671-4	56.2	628
2013	Mule/ARF-BP1, a BH3-only E3 ubiquitin ligase, catalyzes the polyubiquitination of Mcl-1 and regulates apoptosis. <i>Cell</i> , <b>2005</b> , 121, 1085-95	56.2	665
2012	A role for proapoptotic BID in the DNA-damage response. <i>Cell</i> , <b>2005</b> , 122, 579-91	56.2	198
2011	Bcl-2 antiapoptotic proteins inhibit Beclin 1-dependent autophagy. Cell, 2005, 122, 927-39	56.2	2852
2010	Lipid links to better bone: a hypothesis. <b>2005</b> , 2, 2-4		1
2009	Dual role for TGF-beta1 in apoptosis. <b>2005</b> , 16, 15-34		176
2008	Hierarchical and ontogenic positions serve to define the molecular basis of human hematopoietic stem cell behavior. <b>2005</b> , 8, 651-63		60

2007	The role of caspases in cell death and differentiation. <b>2005</b> , 8, 163-70	56
2006	Metastases and their microenvironments: linking pathogenesis and therapy. <b>2005</b> , 8, 247-57	24
2005	Apoptose h□ þatique. <b>2005</b> , 2, 35-48	
2004	The sunburn cell: regulation of death and survival of the keratinocyte. <b>2005</b> , 37, 1547-53	63
2003	Targeting programmed cell death pathways with experimental therapeutics: opportunities in high-risk neuroblastoma. <b>2005</b> , 228, 133-41	75
2002	Cytokine mediated suppression of TF-1 apoptosis requires PI3K activation and inhibition of Bim expression. <b>2005</b> , 579, 191-8	11
2001	Microarray analysis of fiber cell maturation in the lens. <b>2005</b> , 579, 1213-9	24
2000	Proteolytic mechanisms in necrotic cell death and neurodegeneration. <b>2005</b> , 579, 3287-96	102
1999	Bcl-x(L)-mediated changes in metabolic pathways of breast cancer cells: from survival in the blood stream to organ-specific metastasis. <b>2005</b> , 167, 1125-37	27
1998	Membrane rafts segregate pro- from anti-apoptotic insulin-like growth factor-I receptor signaling in colon carcinoma cells stimulated by members of the tumor necrosis factor superfamily. <b>2005</b> , 167, 761-73	53
1997	150-kDa oxygen-regulated protein attenuates myocardial ischemia-reperfusion injury in rat heart. <b>2005</b> , 38, 517-25	28
1996	K(ATP) channels and preconditioning: a re-examination of the role of mitochondrial K(ATP) channels and an overview of alternative mechanisms. <b>2005</b> , 39, 17-50	186
1995	Overexpression of Bcl-xl protects septal neurons from prolonged hypoglycemia and from acute ischemia-like stress. <b>2005</b> , 135, 73-80	32
1994	Overexpression of Bcl-2 inhibits nuclear localization of annexin I during tumor necrosis factor-alpha-mediated apoptosis in porcine renal LLC-PK1 cells. <b>2005</b> , 124, 45-51	13
1993	From oogenesis through gastrulation: developmental regulation of apoptosis. <b>2005</b> , 16, 215-24	40
1992	Programmed cell death during amphibian metamorphosis. <b>2005</b> , 16, 271-80	51
1991	Mechanisms of steroid-triggered programmed cell death in Drosophila. <b>2005</b> , 16, 237-43	152
1990	Redox active calcium ion channels and cell death. <b>2005</b> , 434, 33-42	160

1989	Beyond apoptosis: nonapoptotic cell death in physiology and disease. <b>2005</b> , 83, 579-88	53
1988	Cell death independent of caspases: a review. <b>2005</b> , 11, 3155-62	719
1987	A large, voltage-dependent channel, isolated from mitochondria by water-free chloroform extraction. <b>2005</b> , 88, 2614-25	110
1986	Mitochondria as functional targets of proteins coded by human tumor viruses. <b>2005</b> , 94, 87-142	46
1985	Caspase-8, death-receptor signaling, and hepatocarcinogenesis: the Fas and the furious. <b>2005</b> , 129, 1790-2	2
1984	The BCL-2 network: Mechanistic insights and therapeutic potential. <b>2005</b> , 2, 145-151	1
1983	Mechanisms of apoptosis through structural biology. <b>2005</b> , 21, 35-56	152
1982	Mitochondrial morphology and dynamics in yeast and multicellular eukaryotes. <b>2005</b> , 39, 503-36	578
1981	BH3-only proteins Puma and Bim are rate-limiting for gamma-radiation- and glucocorticoid-induced apoptosis of lymphoid cells in vivo. <b>2005</b> , 106, 4131-8	231
1980	PUMA couples the nuclear and cytoplasmic proapoptotic function of p53. <b>2005</b> , 309, 1732-5	458
1980 1979	PUMA couples the nuclear and cytoplasmic proapoptotic function of p53. <b>2005</b> , 309, 1732-5  Death Receptors in Cancer Therapy. <b>2005</b> ,	458
1979	Death Receptors in Cancer Therapy. 2005,  A genomic approach to investigate developmental cell death in woody tissues of Populus trees.	3
1979 1978	Death Receptors in Cancer Therapy. 2005,  A genomic approach to investigate developmental cell death in woody tissues of Populus trees. 2005, 6, R34  Involution: apoptosis and tissue remodelling that convert the mammary gland from milk factory to	3 64
1979 1978 1977	Death Receptors in Cancer Therapy. 2005,  A genomic approach to investigate developmental cell death in woody tissues of Populus trees.  2005, 6, R34  Involution: apoptosis and tissue remodelling that convert the mammary gland from milk factory to a quiescent organ. 2006, 8, 203	3 64 160
1979 1978 1977	Death Receptors in Cancer Therapy. 2005,  A genomic approach to investigate developmental cell death in woody tissues of Populus trees. 2005, 6, R34  Involution: apoptosis and tissue remodelling that convert the mammary gland from milk factory to a quiescent organ. 2006, 8, 203  Anaesthesia, Pain, Intensive Care and Emergency A.P.I.C.E 2006,  Akt-and CREB-mediated prostate cancer cell proliferation inhibition by Nexrutine, a Phellodendron	3 64 160
1979 1978 1977 1976	Death Receptors in Cancer Therapy. 2005,  A genomic approach to investigate developmental cell death in woody tissues of Populus trees. 2005, 6, R34  Involution: apoptosis and tissue remodelling that convert the mammary gland from milk factory to a quiescent organ. 2006, 8, 203  Anaesthesia, Pain, Intensive Care and Emergency A.P.I.C.E 2006,  Akt-and CREB-mediated prostate cancer cell proliferation inhibition by Nexrutine, a Phellodendron amurense extract. 2006, 8, 523-33  Apoptotic interactions of cytochrome c: redox flirting with anionic phospholipids within and	<ul><li>3</li><li>64</li><li>160</li><li>1</li><li>53</li></ul>

1971	Innate immune recognition and suppression of tumors. <b>2006</b> , 95, 293-322	50
1970	Induction of apoptosis by heat and gamma-radiation in a human lymphoid cell line; role of mitochondrial changes and caspase activation. <b>2006</b> , 22, 687-98	16
1969	Apoptosis and aging: role of p66Shc redox protein. <b>2006</b> , 8, 600-8	103
1968	The relationship between mitochondrial shape and function and the cytoskeleton. <b>2006</b> , 1757, 692-9	211
1967	Proteasome inhibitor-induced apoptosis in human monocyte-derived dendritic cells. <b>2006</b> , 36, 681-9	65
1966	Mitochondrial dysfunction and oxidative stress in neurodegenerative diseases. 2006, 443, 787-95	4313
1965	TRAIL enhances efficacy of radiotherapy in a p53 mutant, Bcl-2 overexpressing lymphoid malignancy. <b>2006</b> , 80, 214-22	31
1964	Involvement of the ubiquitin pathway in decreasing Ku70 levels in response to drug-induced apoptosis. <b>2006</b> , 312, 488-99	23
1963	TNF-receptor I defective in internalization allows for cell death through activation of neutral sphingomyelinase. <b>2006</b> , 312, 2142-53	34
1962	Requirement for JNK-dependent upregulation of BimL in anti-IgM-induced apoptosis in murine B lymphoma cell lines WEHI-231 and CH31. <b>2006</b> , 312, 3728-38	15
1961	The alveolar-epithelial barrier: a target for potential therapy. <b>2006</b> , 27, 655-69; abstract ix	36
1960	Molecular biology of oral cavity squamous cell carcinoma. <b>2006</b> , 39, 229-47	18
1959	Deletion of Mtgr1 sensitizes the colonic epithelium to dextran sodium sulfate-induced colitis. <b>2006</b> , 131, 579-88	25
1958	Bistability in apoptosis: roles of bax, bcl-2, and mitochondrial permeability transition pores. <b>2006</b> , 90, 1546-59	239
1957	Detection of the mitochondrial apoptosis-induced channel (MAC) and its regulation by Bcl-2 family proteins. <b>2006</b> , Chapter 2, Unit2.12	10
1956	The role of caspases in photoreceptor cell death of the retinoschisin-deficient mouse. <b>2006</b> , 115, 35-44	15
1955	Calcium in cell injury and death. <b>2006</b> , 1, 405-34	189
1954	Cancer immunosurveillance and immunoediting: the roles of immunity in suppressing tumor development and shaping tumor immunogenicity. <b>2006</b> , 90, 1-50	568

1953	Bacterial programmed cell death and multicellular behavior in bacteria. <b>2006</b> , 2, e135	340
1952	Impact of ROS on ageing of two fungal model systems: Saccharomyces cerevisiae and Podospora anserina. <b>2006</b> , 40, 1350-8	31
1951	Therapeutic peptides: Targeting the mitochondrion to modulate apoptosis. 2006, 1757, 1312-23	23
1950	"How do cardiomyocytes die?" apoptosis and autophagic cell death in cardiac myocytes. <b>2006</b> , 12, 381-91	62
1949	Expressional analysis of anti-apoptotic phospho-BAD protein and mutational analysis of pro-apoptotic BAD gene in hepatocellular carcinomas. <b>2006</b> , 38, 683-7	11
1948	Functional estrogen receptors in the mitochondria of breast cancer cells. <b>2006</b> , 17, 2125-37	219
1947	Different conformations of amyloid beta induce neurotoxicity by distinct mechanisms in human cortical neurons. <b>2006</b> , 26, 6011-8	408
1946	Structural model of the BCL-w-BID peptide complex and its interactions with phospholipid micelles. <b>2006</b> , 45, 2250-6	50
1945	Mitochondrial DNA mutations, energy metabolism and apoptosis in aging muscle. <b>2006</b> , 5, 179-95	127
1944	Multiple, parallel cellular suicide mechanisms participate in photoreceptor cell death. <b>2006</b> , 83, 380-9	133
1943	Evidence of tumor necrosis factor receptor 1 signaling in human temporal lobe epilepsy. <b>2006</b> , 202, 410-20	31
1942	Caspase-8 acts as a key upstream executor of mitochondria during justicidin A-induced apoptosis in human hepatoma cells. <b>2006</b> , 580, 3185-91	29
1941	p38-MAP kinase activation followed by BIM induction is essential for glucocorticoid-induced apoptosis in lymphoblastic leukemia cells. <b>2006</b> , 580, 3539-44	82
1940	Differential regulation of the intrinsic pathway of apoptosis in brain and liver during ageing. <b>2006</b> , 580, 3739-45	18
1939	A role for the deubiquitinating enzyme USP28 in control of the DNA-damage response. <i>Cell</i> , <b>2006</b> , 126, 529-42	250
1938	Tissue protection mediated by mitochondrial K+ channels. <b>2006</b> , 1762, 202-12	72
1937	Regulation of the mitochondrial apoptosis-induced channel, MAC, by BCL-2 family proteins. <b>2006</b> , 1762, 191-201	151
1936	A comparative kinetic analysis of the reactivity of plant, horse, and human respiratory cytochrome c towards cytochrome c oxidase. <b>2006</b> , 346, 1108-13	23

1935	Thrombin-induced caspases 3 and 9 translocation to the cytoskeleton is independent of changes in cytosolic calcium in human platelets. <b>2006</b> , 36, 392-401	15
1934	[Apoptosis of granulosa cells as a predictive marker of in vitro fertilization success?]. 2006, 34, 574-82	4
1933	APAF-1 signaling in human melanoma. <b>2006</b> , 238, 168-79	21
1932	The role of the CD95, CD38 and TGFbeta1 during active human cytomegalovirus infection in liver transplantation. <b>2006</b> , 35, 193-9	8
1931	The apoptosome: physiological, developmental, and pathological modes of regulation. <b>2006</b> , 10, 549-61	184
1930	DNA-PK phosphorylates histone H2AX during apoptotic DNA fragmentation in mammalian cells. <b>2006</b> , 5, 575-90	149
1929	Switch from caspase-dependent to caspase-independent death during heart development: essential role of endonuclease G in ischemia-induced DNA processing of differentiated cardiomyocytes. <b>2006</b> , 281, 22943-52	71
1928	Messenger molecules and cell death: therapeutic implications. <b>2006</b> , 295, 81-9	34
1927	Proapoptotic BAX and BAK modulate the unfolded protein response by a direct interaction with IRE1alpha. <b>2006</b> , 312, 572-6	538
1926	The role of apoptosis versus oncotic necrosis in liver injury: facts or faith?. <b>2006</b> , 44, 984-93	28
1925	Three-dimensional structure of a double apoptosome formed by the Drosophila Apaf-1 related killer. <b>2006</b> , 355, 577-89	110
1924	Crystal structure of RAIDD death domain implicates potential mechanism of PIDDosome assembly. <b>2006</b> , 357, 358-64	28
1923	Caspase-9 holoenzyme is a specific and optimal procaspase-3 processing machine. <b>2006</b> , 22, 259-68	68
1922	Divergence from a dedicated cellular suicide mechanism: exploring the evolution of cell death. <b>2006</b> , 23, 1-12	62
1921	A stapled BID BH3 helix directly binds and activates BAX. <b>2006</b> , 24, 199-210	319
1920	The X-ray structure of a BAK homodimer reveals an inhibitory zinc binding site. <b>2006</b> , 24, 677-688	182
1919	DNA methylation and apoptosis. <b>2006</b> , 43, 1729-40	74
1918	Potential role of NF-kappaB in adult neural stem cells: the underrated steersman?. <b>2006</b> , 24, 91-102	56

1917	The Noxa/Mcl-1 axis regulates susceptibility to apoptosis under glucose limitation in dividing T cells. <b>2006</b> , 24, 703-716	149
1916	Stressing out over survival: glutamine as an apoptotic modulator. <b>2006</b> , 131, 26-40	85
1915	Nuclear factor-kappaB mediates Kupffer cell apoptosis through transcriptional activation of Fas/FasL. <b>2006</b> , 130, 58-65	36
1914	Decreased expression of pro-apoptotic Bcl-2 family members during retinal development and differential sensitivity to cell death. <b>2006</b> , 291, 154-69	46
1913	Cause of death: suicide. <b>2006</b> , 40, 425-37	41
1912	Essential role of the apoptotic cell engulfment genes draper and ced-6 in programmed axon pruning during Drosophila metamorphosis. <b>2006</b> , 50, 855-67	201
1911	Anticancer and cytotoxic properties of the latex of Calotropis procera in a transgenic mouse model of hepatocellular carcinoma. <b>2006</b> , 12, 2517-22	80
1910	Therapeutic window for cycloheximide treatment after hypoxic-ischemic brain injury in neonatal rats. <b>2006</b> , 21, 490-4	8
1909	Retinal ganglion cells: dying to survive. <b>2006</b> , 50, 665-74	27
1908	What do shifts in indicators of apoptosis indicate about the cancer process?. <b>2006</b> , 136, 2700S-3S	
1907	APO2 ligand/tumor necrosis factor-related apoptosis-inducing ligand in prostate cancer therapy. <b>2006</b> , 11, 1549-68	48
1906	Apoptosis Gene Information SystemAGIS. <b>2006</b> , 11, 1814-7	
1905	The Role of the Apoptosome in Apoptosis and Cancer Therapy. 282-313	
1904	Life and Death Decisions in Response to Stress. 757-776	
1903	Inhibition of the Molecular Chaperone Heat Shock Protein 90 in Cancer: Consequences for the Regulation of Survival Signaling and Induction of Cell Death. 933-965	
1902	Omi/HtrA2: A Mitochondrial Serine Protease Regulating Cellular Life and Death. 222-232	
1901	The Dual Roles for Autophagy in Cell Death and Survival. <b>2006</b> , 105-126	
1900	Gimap4 accelerates T-cell death. <b>2006</b> , 108, 591-9	50

1899	Antiapoptotic function of Bcl-2 in mast cells is dependent on its association with heat shock protein 90beta. <b>2006</b> , 107, 1413-20	47
1898	Combined effects of novel tyrosine kinase inhibitor AMN107 and histone deacetylase inhibitor LBH589 against Bcr-Abl-expressing human leukemia cells. <b>2006</b> , 108, 645-52	127
1897	Identification of a nuclear-localized nuclease from wheat cells undergoing programmed cell death that is able to trigger DNA fragmentation and apoptotic morphology on nuclei from human cells. <b>2006</b> , 397, 529-36	51
1896	Targeting apoptosis with dietary bioactive agents. <b>2006</b> , 231, 117-29	99
1895	p53-mediated Apoptosis: A Multifaceted Story. 517-535	
1894	Activation of mitochondrial pathway is crucial for tumor selective induction of apoptosis by LAQ824. <b>2006</b> , 5, 1662-8	39
1893	Apoptose h□ þatique. <b>2006</b> , 1, 1-10	
1892	Mechanisms of evasion of neutrophil killing by Anaplasma phagocytophilum. 2006, 13, 28-33	51
1891	Bcl-2 and Bax regulation of corneal homeostasis in genetically altered mice. <b>2006</b> , 32, 3-7	9
1890	Mechanisms of Inflammation: Neutrophils. <b>2006</b> , 248-268	
1889	Regulation of T-cell progenitor survival and cell-cycle entry by the pre-T-cell receptor. <b>2006</b> , 209, 159-69	82
1888	Programmed cell death of follicular epithelium during the late developmental stages of oogenesis in the fruit flies Bactrocera oleae and Ceratitis capitata (Diptera, Tephritidae) is mediated by autophagy. <b>2006</b> , 48, 189-98	22
1887	Programmed cell death of the ovarian nurse cells during oogenesis of the silkmoth Bombyx mori. <b>2006</b> , 48, 419-28	30
1886	Insights into the mechanisms of CMV-mediated interference with cellular apoptosis. <b>2006</b> , 84, 99-106	43
1885	Chromatin condensation of ovarian nurse and follicle cells is regulated independently from DNA fragmentation during Drosophila late oogenesis. <b>2006</b> , 74, 293-304	19
1884	The role of mitochondria in inherited neurodegenerative diseases. <b>2006</b> , 97, 1659-75	142
1883	Oxidative stress-triggered unfolded protein response is upstream of intrinsic cell death evoked by parkinsonian mimetics. <b>2006</b> , 99, 54-69	94
1882	Aging networks in Caenorhabditis elegans: AMP-activated protein kinase (aak-2) links multiple aging and metabolism pathways. <b>2006</b> , 5, 119-26	161

1881	Thrombin-triggered platelet apoptosis. <b>2006</b> , 4, 2656-63	150
1880	Immunohistochemical and mutational analysis of apoptosis-inducing factor (AIF) in colorectal carcinomas. <b>2006</b> , 114, 867-73	20
1879	Involvement of caspase 1 and its activator Ipaf upstream of mitochondrial events in apoptosis. <b>2006</b> , 273, 2766-78	20
1878	Cell biology: mitochondria shape up. <b>2006</b> , 443, 646-7	5
1877	Hierarchical regulation of mitochondrion-dependent apoptosis by BCL-2 subfamilies. <b>2006</b> , 8, 1348-58	686
1876	Total insulin and IGF-I resistance in pancreatic beta cells causes overt diabetes. <b>2006</b> , 38, 583-8	217
1875	Apoptosis and caspases regulate death and inflammation in sepsis. <b>2006</b> , 6, 813-22	582
1874	Developmental apoptosis in C. elegans: a complex CEDnario. <b>2006</b> , 7, 97-108	226
1873	Programmed cell death in plants: effect of protein synthesis inhibitors and structural changes in pea guard cells. <b>2006</b> , 71, 395-405	10
1872	Death of stoma guard cells in leaf epidermis under disturbance of energy provision. <b>2006</b> , 71, 1120-7	10
1871	Nuclear factor-kappaB in cancer development and progression. <b>2006</b> , 441, 431-6	2885
1870	HIV-1 protease inhibitors and cytomegalovirus vMIA induce mitochondrial fragmentation without triggering apoptosis. <b>2006</b> , 13, 348-51	24
1869	Coupling endoplasmic reticulum stress to the cell-death program: a novel HSP90-independent role for the small chaperone protein p23. <b>2006</b> , 13, 415-25	65
1868	ER stress and neurodegenerative diseases. <b>2006</b> , 13, 385-92	663
1867	Gangliosides as apoptotic signals in ER stress response. <b>2006</b> , 13, 404-14	65
1866	The NF-kappaB-mediated control of the JNK cascade in the antagonism of programmed cell death in health and disease. <b>2006</b> , 13, 712-29	209
1865	Dissecting p53-dependent apoptosis. <b>2006</b> , 13, 994-1002	354
1864	BH3-only proteins in cell death initiation, malignant disease and anticancer therapy. <b>2006</b> , 13, 1325-38	135

1863	Mechanisms of apoptosis regulation by viral oncogenes in infection and tumorigenesis. <b>2006</b> , 13, 1371-7	65
1862	Is MAC the knife that cuts cytochrome c from mitochondria during apoptosis?. <b>2006</b> , 13, 1387-95	129
1861	Personal reflections on Stan Korsmeyer and his continuing impact on our work to delineate the role of Bax in female reproduction. <b>2006</b> , 13, 1296-8	
1860	Multifunctional reaper: sixty-five amino acids of fury. <b>2006</b> , 13, 1305-9	11
1859	Regulated targeting of Bax and Bak to intracellular membranes during apoptosis. <b>2006</b> , 13, 1277-80	21
1858	Mitochondrial outer membrane permeabilization during apoptosis: the innocent bystander scenario. <b>2006</b> , 13, 1396-402	412
1857	Proapoptotic multidomain Bcl-2/Bax-family proteins: mechanisms, physiological roles, and therapeutic opportunities. <b>2006</b> , 13, 1378-86	376
1856	BCL2 family in DNA damage and cell cycle control. <b>2006</b> , 13, 1351-9	377
1855	The Bax pore in liposomes, Biophysics. <b>2006</b> , 13, 1403-8	28
1854	BCL-2 in the crosshairs: tipping the balance of life and death. <b>2006</b> , 13, 1339-50	199
1854	BCL-2 in the crosshairs: tipping the balance of life and death. <b>2006</b> , 13, 1339-50  BH3-only proteins: orchestrating cell death. <b>2006</b> , 13, 1268-71	199
,		
1853	BH3-only proteins: orchestrating cell death. <b>2006</b> , 13, 1268-71  To fuse and to protect. A novel role for CED-9 in mitochondrial morphology reveals an ancient function. <b>2006</b> , 13, 1833-4	18
1853 1852 1851	BH3-only proteins: orchestrating cell death. <b>2006</b> , 13, 1268-71  To fuse and to protect. A novel role for CED-9 in mitochondrial morphology reveals an ancient function. <b>2006</b> , 13, 1833-4	18
1853 1852 1851	BH3-only proteins: orchestrating cell death. <b>2006</b> , 13, 1268-71  To fuse and to protect. A novel role for CED-9 in mitochondrial morphology reveals an ancient function. <b>2006</b> , 13, 1833-4  Delineation of the cell-extrinsic apoptosis pathway in the zebrafish. <b>2006</b> , 13, 1619-30	18 4 87
1853 1852 1851 1850	BH3-only proteins: orchestrating cell death. 2006, 13, 1268-71  To fuse and to protect. A novel role for CED-9 in mitochondrial morphology reveals an ancient function. 2006, 13, 1833-4  Delineation of the cell-extrinsic apoptosis pathway in the zebrafish. 2006, 13, 1619-30  How the Bcl-2 family of proteins interact to regulate apoptosis. 2006, 16, 203-13	18 4 87 266
1853 1852 1851 1850	BH3-only proteins: orchestrating cell death. 2006, 13, 1268-71  To fuse and to protect. A novel role for CED-9 in mitochondrial morphology reveals an ancient function. 2006, 13, 1833-4  Delineation of the cell-extrinsic apoptosis pathway in the zebrafish. 2006, 13, 1619-30  How the Bcl-2 family of proteins interact to regulate apoptosis. 2006, 16, 203-13  Apoptosis regulation in tetraploid cancer cells. 2006, 25, 2584-95	18 4 87 266

1845	Protein kinase WNK3 increases cell survival in a caspase-3-dependent pathway. <b>2006</b> , 25, 4172-82	35
1844	hTERT: a novel endogenous inhibitor of the mitochondrial cell death pathway. <b>2006</b> , 25, 4505-14	115
1843	Mitochondrial hexokinases, novel mediators of the antiapoptotic effects of growth factors and Akt. <b>2006</b> , 25, 4683-96	379
1842	Mitochondria as therapeutic targets for cancer chemotherapy. <b>2006</b> , 25, 4812-30	302
1841	The many shapes of mitochondrial death. <b>2006</b> , 25, 4717-24	111
1840	Tuberin activates the proapoptotic molecule BAD. <b>2006</b> , 25, 6467-79	39
1839	Caspase independence of radio-induced cell death. <b>2006</b> , 25, 7758-70	25
1838	Mutual cross-talk between reactive oxygen species and nuclear factor-kappa B: molecular basis and biological significance. <b>2006</b> , 25, 6731-48	332
1837	Current insights into the regulation of programmed cell death by NF-kappaB. <b>2006</b> , 25, 6800-16	342
1836	Antiproliferation and apoptosis induced by curcumin in human ovarian cancer cells. <b>2006</b> , 30, 221-6	166
1835	A novel kind of nitrogen heterocycle compound induces apoptosis of human chronic myelogenous leukemia K562 cells. <b>2006</b> , 14, 3766-74	27
1834	Biological consequences of trinuclear platinum complexes: comparison of [[trans-PtCl(NH3)2]2mu-(trans-Pt(NH3)2(H2N(CH2)6-NH2)2)]4+ (BBR 3464) with its noncovalent congeners. <b>2006</b> , 69, 666-72	51
1833	Apoptosis as a therapeutic tool in IBD?. <b>2006</b> , 1072, 62-77	38
1832	Methamphetamine induces autophagy and apoptosis in a mesencephalic dopaminergic neuronal culture model: role of cathepsin-D in methamphetamine-induced apoptotic cell death. <b>2006</b> , 1074, 234-44	61
1831	Current concepts in apoptosis: the physiological suicide program revisited. <b>2006</b> , 11, 506-25	160
1830	Possible mechanisms of neurodegeneration in schizophrenia. <b>2006</b> , 31, 1279-94	76
1829	The role of mitochondria in apoptosis induction in Caenorhabditis elegans: more than just innocent bystanders?. <b>2006</b> , 13, 1281-6	15
1828	Apoptosis and autoimmune diseases. <b>2006</b> , 58, 358-62	15

1827	Vaccinia virus N1L protein resembles a B cell lymphoma-2 (Bcl-2) family protein. <b>2007</b> , 16, 118-24	96
1826	Structural studies of Bcl-xL/ligand complexes using 19F NMR. <b>2006</b> , 34, 221-7	22
1825	Mitochondrial-nuclear cross-talk in the aging and failing heart. <b>2006</b> , 20, 477-91	30
1824	Characterization of cell clones stably transfected with short form caspase-9: apoptotic resistance and Bcl-XL expression. <b>2006</b> , 282, 1-12	5
1823	Tuberin negatively affects BCL-2's cell survival function. <b>2006</b> , 30, 391-6	6
1822	Cell survival and proliferation in Drosophila S2 cells following apoptotic stress in the absence of the APAF-1 homolog, ARK, or downstream caspases. <b>2006</b> , 11, 497-507	8
1821	Effects of TGF-betas and a specific antagonist on apoptosis of immature rat male germ cells in vitro. <b>2006</b> , 11, 739-48	27
1820	Deficiency of the Bax gene attenuates denervation-induced apoptosis. <b>2006</b> , 11, 967-81	42
1819	Apoptosis effector mechanisms: a requiem performed in different keys. <b>2006</b> , 11, 889-904	122
1818	Mechanisms of fenretinide-induced apoptosis. <b>2006</b> , 11, 1677-94	163
1818 1817		163 39
1817		
1817	Cuts can kill: the roles of apoptotic nucleases in cell death and animal development. <b>2006</b> , 115, 89-97	39
1817 1816	Cuts can kill: the roles of apoptotic nucleases in cell death and animal development. 2006, 115, 89-97  Mechanisms of programmed cell death during oogenesis in Drosophila virilis. 2007, 327, 399-414  Suppression of colorectal tumor growth by regulated survivin targeting. 2006, 84, 1077-86	39
1817 1816 1815	Cuts can kill: the roles of apoptotic nucleases in cell death and animal development. <b>2006</b> , 115, 89-97  Mechanisms of programmed cell death during oogenesis in Drosophila virilis. <b>2007</b> , 327, 399-414  Suppression of colorectal tumor growth by regulated survivin targeting. <b>2006</b> , 84, 1077-86  The roles of endogenous reactive oxygen species and nitric oxide in triptolide-induced apoptotic	39 32 9
1817 1816 1815 1814	Cuts can kill: the roles of apoptotic nucleases in cell death and animal development. 2006, 115, 89-97  Mechanisms of programmed cell death during oogenesis in Drosophila virilis. 2007, 327, 399-414  Suppression of colorectal tumor growth by regulated survivin targeting. 2006, 84, 1077-86  The roles of endogenous reactive oxygen species and nitric oxide in triptolide-induced apoptotic cell death in macrophages. 2007, 85, 85-98  Immunohistochemical detection of apoptotic proteins, p53/Bax and JNK/FasL cascade, in the lung of rats exposed to cigarette smoke. 2006, 80, 328-36	39 32 9 28
1817 1816 1815 1814	Cuts can kill: the roles of apoptotic nucleases in cell death and animal development. 2006, 115, 89-97  Mechanisms of programmed cell death during oogenesis in Drosophila virilis. 2007, 327, 399-414  Suppression of colorectal tumor growth by regulated survivin targeting. 2006, 84, 1077-86  The roles of endogenous reactive oxygen species and nitric oxide in triptolide-induced apoptotic cell death in macrophages. 2007, 85, 85-98  Immunohistochemical detection of apoptotic proteins, p53/Bax and JNK/FasL cascade, in the lung of rats exposed to cigarette smoke. 2006, 80, 328-36	39 32 9 28 38

1809	<b>2006</b> , 10, 51-64	1547
1808	Gene expression-based chemical genomics identifies rapamycin as a modulator of MCL1 and glucocorticoid resistance. <b>2006</b> , 10, 331-42	422
1807	Mechanical aspects of apoptosome assembly. <b>2006</b> , 18, 677-84	76
1806	Polyglutamine-expanded ataxin-7 activates mitochondrial apoptotic pathway of cerebellar neurons by upregulating Bax and downregulating Bcl-x(L). <b>2006</b> , 18, 541-52	43
1805	Biphosphinic palladacycle complex mediates lysosomal-membrane permeabilization and cell death in K562 leukaemia cells. <b>2006</b> , 542, 37-47	40
1804	Skeletal muscle apoptosis, sarcopenia and frailty at old age. <b>2006</b> , 41, 1234-8	242
1803	Mitochondrial membrane dynamics, cristae remodelling and apoptosis. <b>2006</b> , 1763, 549-60	80
1802	Cirp protects against tumor necrosis factor-alpha-induced apoptosis via activation of extracellular signal-regulated kinase. <b>2006</b> , 1763, 290-5	95
1801	Interactions of mitochondria with the actin cytoskeleton. <b>2006</b> , 1763, 450-62	192
1800	Critical role of pro-apoptotic Bcl-2 family members in andrographolide-induced apoptosis in human cancer cells. <b>2006</b> , 72, 132-44	141
1799	Oxidative stress by ascorbate/menadione association kills K562 human chronic myelogenous leukaemia cells and inhibits its tumour growth in nude mice. <b>2006</b> , 72, 671-80	75
1798	Transgenic mice that overexpress the anti-apoptotic Bcl-2 protein have improved histological outcome but unchanged behavioral outcome after traumatic brain injury. <b>2006</b> , 1101, 126-35	21
1797	Apoptosis mediated by p53 in rat neural AF5 cells following treatment with hydrogen peroxide and staurosporine. <b>2006</b> , 1112, 1-15	38
1796	[Liver apoptosis]. <b>2006</b> , 30, 533-45	7
1795	Targeting the Bcl-2 family in cancer therapy. <b>2006</b> , 33, 449-56	37
1794	Dynamic 14-3-3/client protein interactions integrate survival and apoptotic pathways. <b>2006</b> , 16, 193-202	144
1793	The Oscar-worthy role of Myc in apoptosis. <b>2006</b> , 16, 275-87	108
1792	Daxx: death or survival protein?. <b>2006</b> , 16, 97-104	155

1791	Polyglutamine-expanded ataxin-3 activates mitochondrial apoptotic pathway by upregulating Bax and downregulating Bcl-xL. <b>2006</b> , 21, 333-45	74
1790	mda-7/IL-24: multifunctional cancer-specific apoptosis-inducing cytokine. <b>2006</b> , 111, 596-628	151
1789	Bim deficiency leads to exacerbation and prolongation of joint inflammation in experimental arthritis. <b>2006</b> , 54, 3182-93	39
1788	Developmental cell death during Xenopus metamorphosis involves BID cleavage and caspase 2 and 8 activation. <b>2006</b> , 235, 2083-94	14
1787	Mitochondrial mechanism of microvascular endothelial cells apoptosis in hyperhomocysteinemia. <b>2006</b> , 98, 1150-62	71
1786	Molecular dynamics simulation and automated docking of the pro-apoptotic Bax protein and its complex with a peptide designed from the Bax-binding domain of anti-apoptotic Ku70. <b>2006</b> , 99, 305-18	27
1785	Paradoxical effects of short- and long-term interleukin-6 exposure on liver injury and repair. <b>2006</b> , 43, 474-84	130
1784	Constitutive androstane receptor (CAR) ligand, TCPOBOP, attenuates Fas-induced murine liver injury by altering Bcl-2 proteins. <b>2006</b> , 44, 252-62	43
1783	BH3-only proteins: integrated control point of apoptosis. <b>2006</b> , 119, 2036-43	34
1782	Expression of survivin and correlation with PCNA in osteosarcoma. <b>2006</b> , 93, 578-84	38
1781	NF-kappaB and cancer: mechanisms and targets. <b>2006</b> , 45, 355-61	223
1780	2:1 Stoichiometry of the CED-4-CED-9 complex and the tetrameric CED-4: insights into the regulation of CED-3 activation. <b>2006</b> , 5, 31-4	18
1779	(De)constructing mitochondria: what for?. <b>2006</b> , 21, 233-41	111
1778	Autophagy is required for the degeneration of the ovarian follicular epithelium in higher Diptera. <b>2006</b> , 2, 297-8	19
1777	Exploring the positive and negative consequences of NF-kappaB inhibition for the treatment of human disease. <b>2006</b> , 5, 1160-3	33
1776	Antisense targeting of Mcl-1 has therapeutic potential in gastric cancer. <b>2006</b> , 5, 1355-6	4
1775	BID as a double agent in cell life and death. <b>2006</b> , 5, 582-4	28
1774	Endoplasmic reticulum stress and apoptosis signaling in human temporal lobe epilepsy. <b>2006</b> , 65, 217-25	61

1773	Chemosensitization by knockdown of adenine nucleotide translocase-2. <b>2006</b> , 66, 9143-52	82
1772	Autophagy occurs upstream or parallel to the apoptosome during histolytic cell death. <b>2006</b> , 133, 1457-65	80
1771	Involvement of the pituitary-specific transcription factor pit-1 in somatolactotrope cell growth and death: an approach using dominant-negative pit-1 mutants. <b>2006</b> , 20, 3212-27	19
1770	Two overrepresented B cell populations in HIV-infected individuals undergo apoptosis by different mechanisms. <b>2006</b> , 103, 19436-41	61
1769	BMP-dependent activation of caspase-9 and caspase-8 mediates apoptosis in pulmonary artery smooth muscle cells. <b>2006</b> , 291, L1059-67	55
1768	Targeted deletion of Puma attenuates cardiomyocyte death and improves cardiac function during ischemia-reperfusion. <b>2006</b> , 291, H52-60	113
1767	Cotreatment with vorinostat (suberoylanilide hydroxamic acid) enhances activity of dasatinib (BMS-354825) against imatinib mesylate-sensitive or imatinib mesylate-resistant chronic myelogenous leukemia cells. <b>2006</b> , 12, 5869-78	86
1766	Mechanism of Action and Therapeutic Potential of Novel Adamantyl Retinoid-Related Molecules. <b>2006</b> , 2, 185-198	9
1765	The control of endoplasmic reticulum-initiated apoptosis by the BCL-2 family of proteins. <b>2006</b> , 6, 99-109	89
1764	Calmodulin kinase II inhibition protects against myocardial cell apoptosis in vivo. <b>2006</b> , 291, H3065-75	112
1763	Association of Bcl-2 with misfolded prion protein is linked to the toxic potential of cytosolic PrP. <b>2006</b> , 17, 3356-68	76
1762	Bid deficiency ameliorates ischemic renal failure and delays animal death in C57BL/6 mice. <b>2006</b> , 290, F35-42	60
1761	Evolving concepts of apoptosis in idiopathic pulmonary fibrosis. <b>2006</b> , 3, 350-6	258
1760	Reovirus outer capsid protein micro1 induces apoptosis and associates with lipid droplets, endoplasmic reticulum, and mitochondria. <b>2006</b> , 80, 8422-38	76
1759	Enhancement of Apo2L/TRAIL-mediated cytotoxicity in esophageal cancer cells by cisplatin. <b>2006</b> , 5, 2977-90	35
1758	CD4 T cell-induced, bid-dependent apoptosis of cutaneous dendritic cells regulates T cell expansion and immune responses. <b>2006</b> , 177, 5956-67	9
1757	Involvement of p38 mitogen-activated protein kinase and inducible nitric oxide synthase in apoptotic signaling of murine and human male germ cells after hormone deprivation. <b>2006</b> , 20, 1597-609	62
1756	Deficiency in apoptotic effectors Bax and Bak reveals an autophagic cell death pathway initiated by photodamage to the endoplasmic reticulum. <b>2006</b> , 2, 238-40	102

1755	A novel BH3 mimetic reveals a mitogen-activated protein kinase-dependent mechanism of melanoma cell death controlled by p53 and reactive oxygen species. <b>2006</b> , 66, 11348-59	130
1754	Death-receptor activation halts clathrin-dependent endocytosis. <b>2006</b> , 103, 10283-10288	95
1753	The p53 pathway promotes efficient mitochondrial DNA base excision repair in colorectal cancer cells. <b>2006</b> , 66, 3485-94	68
1752	Cellular caspase-8-like inhibitory protein (cFLIP) prevents inhibition of muscle cell differentiation induced by cancer cells. <b>2006</b> , 20, 2570-2	16
1751	PUMA Dissociates Bax and Bcl-X(L) to induce apoptosis in colon cancer cells. <b>2006</b> , 281, 16034-42	145
1750	Kaposi's sarcoma-associated herpesvirus immune modulation: an overview. <b>2006</b> , 87, 1781-1804	105
1749	The histone deacetylase inhibitor LBH589 is a potent antimyeloma agent that overcomes drug resistance. <b>2006</b> , 66, 5781-9	210
1748	Expression of Pseudomonas aeruginosa toxin ExoS effectively induces apoptosis in host cells. <b>2006</b> , 74, 6557-70	47
1747	Crosstalk between extrinsic and intrinsic cell death pathways in pancreatic cancer: synergistic action of estrogen metabolite and ligands of death receptor family. <b>2006</b> , 66, 4309-18	66
1746	Chemotherapeutic approaches for targeting cell death pathways. <b>2006</b> , 11, 342-57	348
1746 1745	Chemotherapeutic approaches for targeting cell death pathways. 2006, 11, 342-57  The mitochondrial fission protein hFis1 requires the endoplasmic reticulum gateway to induce apoptosis. 2006, 17, 4593-605	348
, ,	The mitochondrial fission protein hFis1 requires the endoplasmic reticulum gateway to induce apoptosis. <b>2006</b> , 17, 4593-605	
1745	The mitochondrial fission protein hFis1 requires the endoplasmic reticulum gateway to induce apoptosis. <b>2006</b> , 17, 4593-605	111
1745 1744	The mitochondrial fission protein hFis1 requires the endoplasmic reticulum gateway to induce apoptosis. 2006, 17, 4593-605  Microbiology. Malaria's stealth shuttle. 2006, 313, 1245-6  Relationship of p53, Bcl-2, Ki-67 index and E-cadherin expression in early invasive breast cancers with comedonecrosis as an accelerated apoptosis. 2006, 59, 692-8  Crystal structure of a viral FLIP: insights into FLIP-mediated inhibition of death receptor signaling.	111
1745 1744 1743	The mitochondrial fission protein hFis1 requires the endoplasmic reticulum gateway to induce apoptosis. 2006, 17, 4593-605  Microbiology. Malaria's stealth shuttle. 2006, 313, 1245-6  Relationship of p53, Bcl-2, Ki-67 index and E-cadherin expression in early invasive breast cancers with comedonecrosis as an accelerated apoptosis. 2006, 59, 692-8  Crystal structure of a viral FLIP: insights into FLIP-mediated inhibition of death receptor signaling.	111 10 4
1745 1744 1743	The mitochondrial fission protein hFis1 requires the endoplasmic reticulum gateway to induce apoptosis. 2006, 17, 4593-605  Microbiology. Malaria's stealth shuttle. 2006, 313, 1245-6  Relationship of p53, Bcl-2, Ki-67 index and E-cadherin expression in early invasive breast cancers with comedonecrosis as an accelerated apoptosis. 2006, 59, 692-8  Crystal structure of a viral FLIP: insights into FLIP-mediated inhibition of death receptor signaling. 2006, 281, 2960-8  Autocrine tumor necrosis factor alpha links endoplasmic reticulum stress to the membrane death receptor pathway through IRE1alpha-mediated NF-kappaB activation and down-regulation of	111 10 4 71
1745 1744 1743 1742 1741	The mitochondrial fission protein hFis1 requires the endoplasmic reticulum gateway to induce apoptosis. 2006, 17, 4593-605  Microbiology. Malaria's stealth shuttle. 2006, 313, 1245-6  Relationship of p53, Bcl-2, Ki-67 index and E-cadherin expression in early invasive breast cancers with comedonecrosis as an accelerated apoptosis. 2006, 59, 692-8  Crystal structure of a viral FLIP: insights into FLIP-mediated inhibition of death receptor signaling. 2006, 281, 2960-8  Autocrine tumor necrosis factor alpha links endoplasmic reticulum stress to the membrane death receptor pathway through IRE1alpha-mediated NF-kappaB activation and down-regulation of TRAF2 expression. 2006, 26, 3071-84  The mitochondrial protein Bak is pivotal for gliotoxin-induced apoptosis and a critical host factor of	111 10 4 71 567

1737	Direct Lyapunov exponent analysis enables parametric study of transient signalling governing cell behaviour. <b>2006</b> , 153, 425-32	53
1736	Molecular iodine induces caspase-independent apoptosis in human breast carcinoma cells involving the mitochondria-mediated pathway. <b>2006</b> , 281, 19762-71	91
1735	Inhibiting the mitochondrial fission machinery does not prevent Bax/Bak-dependent apoptosis. <b>2006</b> , 26, 7397-408	198
1734	Bcl-2 inhibition of autophagy: a new route to cancer?. <b>2006</b> , 66, 2885-8	240
1733	tBid elicits a conformational alteration in membrane-bound Bcl-2 such that it inhibits Bax pore formation. <b>2006</b> , 281, 35802-11	39
1732	Proapoptotic Bid is required for pulmonary fibrosis. <b>2006</b> , 103, 4604-9	88
1731	Inducible activation of TLR4 confers resistance to hyperoxia-induced pulmonary apoptosis. <b>2006</b> , 176, 4950-8	54
1730	Epidermal growth factor protects prostate cancer cells from apoptosis by inducing BAD phosphorylation via redundant signaling pathways. <b>2006</b> , 281, 27367-77	41
1729	A membrane-targeted BID BCL-2 homology 3 peptide is sufficient for high potency activation of BAX in vitro. <b>2006</b> , 281, 36999-7008	69
1728	Multiple signaling pathways regulate yeast cell death during the response to mating pheromones. <b>2006</b> , 17, 3409-22	87
1727	Enhanced killing of melanoma cells by simultaneously targeting Mcl-1 and NOXA. <b>2006</b> , 66, 9636-45	83
1726	Different mitochondrial intermembrane space proteins are released during apoptosis in a manner that is coordinately initiated but can vary in duration. <b>2006</b> , 103, 11573-8	183
1725	Pax2/5/8 proteins promote cell survival in C. elegans. <b>2006</b> , 133, 4193-202	33
1724	Heat shock induces apoptosis independently of any known initiator caspase-activating complex. <b>2006</b> , 281, 16991-17000	45
1723	Post-lactational mammary gland regression: molecular basis and implications for breast cancer. <b>2006</b> , 8, 1-15	56
1722	PP2A regulates BCL-2 phosphorylation and proteasome-mediated degradation at the endoplasmic reticulum. <b>2006</b> , 281, 23003-12	71
1721	Resveratrol induces cell death in colorectal cancer cells by a novel pathway involving lysosomal cathepsin D. <b>2007</b> , 28, 922-31	96
1720	Pancreatic beta cells lack a low glucose and O2-inducible mitochondrial protein that augments cell survival. <b>2006</b> , 103, 10636-41	43

1719	Granzyme M directly cleaves inhibitor of caspase-activated DNase (CAD) to unleash CAD leading to DNA fragmentation. <b>2006</b> , 177, 1171-8	59
1718	Differential activation of IFN regulatory factor (IRF)-3 and IRF-5 transcription factors during viral infection. <b>2006</b> , 176, 7462-70	60
1717	The novel F-box protein Mfb1p regulates mitochondrial connectivity and exhibits asymmetric localization in yeast. <b>2006</b> , 17, 3756-67	31
1716	Myxoma virus M11L blocks apoptosis through inhibition of conformational activation of Bax at the mitochondria. <b>2006</b> , 80, 1140-51	56
1715	Enhanced sensitivity to cytochrome c-induced apoptosis mediated by PHAPI in breast cancer cells. <b>2006</b> , 66, 2210-8	44
1714	Flavopiridol and histone deacetylase inhibitors promote mitochondrial injury and cell death in human leukemia cells that overexpress Bcl-2. <b>2006</b> , 69, 288-98	40
1713	NIX is required for programmed mitochondrial clearance during reticulocyte maturation. <b>2007</b> , 104, 19500-5	664
1712	Rapid activation of antioxidant defenses by nerve growth factor suppresses reactive oxygen species during neuronal apoptosis: evidence for a role in cytochrome c redistribution. <b>2007</b> , 27, 11315-26	66
1711	Apoptosis and autophagy in photoreceptors exposed to oxidative stress. 2007, 3, 433-41	131
1710	Retinal Degenerations. 2007,	6
1710 1709	Retinal Degenerations. 2007,  NBK/BIK antagonizes MCL-1 and BCL-XL and activates BAK-mediated apoptosis in response to protein synthesis inhibition. 2007, 21, 929-41	6
•	NBK/BIK antagonizes MCL-1 and BCL-XL and activates BAK-mediated apoptosis in response to	
1709	NBK/BIK antagonizes MCL-1 and BCL-XL and activates BAK-mediated apoptosis in response to protein synthesis inhibition. <b>2007</b> , 21, 929-41  Apoptotic actions of p53 require transcriptional activation of PUMA and do not involve a direct	112
1709 1708 1707	NBK/BIK antagonizes MCL-1 and BCL-XL and activates BAK-mediated apoptosis in response to protein synthesis inhibition. <b>2007</b> , 21, 929-41  Apoptotic actions of p53 require transcriptional activation of PUMA and do not involve a direct mitochondrial/cytoplasmic site of action in postnatal cortical neurons. <b>2007</b> , 27, 12198-210  Functional role and oncogene-regulated expression of the BH3-only factor Bmf in mammary	112 60
1709 1708 1707	NBK/BIK antagonizes MCL-1 and BCL-XL and activates BAK-mediated apoptosis in response to protein synthesis inhibition. 2007, 21, 929-41  Apoptotic actions of p53 require transcriptional activation of PUMA and do not involve a direct mitochondrial/cytoplasmic site of action in postnatal cortical neurons. 2007, 27, 12198-210  Functional role and oncogene-regulated expression of the BH3-only factor Bmf in mammary epithelial anoikis and morphogenesis. 2007, 104, 3787-92	112 60 120
1709 1708 1707	NBK/BIK antagonizes MCL-1 and BCL-XL and activates BAK-mediated apoptosis in response to protein synthesis inhibition. 2007, 21, 929-41  Apoptotic actions of p53 require transcriptional activation of PUMA and do not involve a direct mitochondrial/cytoplasmic site of action in postnatal cortical neurons. 2007, 27, 12198-210  Functional role and oncogene-regulated expression of the BH3-only factor Bmf in mammary epithelial anoikis and morphogenesis. 2007, 104, 3787-92  Distinct in vivo roles of caspase-8 in beta-cells in physiological and diabetes models. 2007, 56, 2302-11  Noninvasive molecular imaging sheds light on the synergy between 5-fluorouracil and TRAIL/Apo2L	<ul><li>112</li><li>60</li><li>120</li><li>57</li></ul>
1709 1708 1707 1706	NBK/BIK antagonizes MCL-1 and BCL-XL and activates BAK-mediated apoptosis in response to protein synthesis inhibition. 2007, 21, 929-41  Apoptotic actions of p53 require transcriptional activation of PUMA and do not involve a direct mitochondrial/cytoplasmic site of action in postnatal cortical neurons. 2007, 27, 12198-210  Functional role and oncogene-regulated expression of the BH3-only factor Bmf in mammary epithelial anoikis and morphogenesis. 2007, 104, 3787-92  Distinct in vivo roles of caspase-8 in beta-cells in physiological and diabetes models. 2007, 56, 2302-11  Noninvasive molecular imaging sheds light on the synergy between 5-fluorouracil and TRAIL/Apo2L for cancer therapy. 2007, 13, 1839-46  Fever-like hyperthermia controls T Lymphocyte persistence by inducing degradation of cellular	<ul><li>112</li><li>60</li><li>120</li><li>57</li><li>37</li></ul>

1701	The mitochondrial TOM complex is required for tBid/Bax-induced cytochrome c release. <b>2007</b> , 282, 27633-9	57
1700	Geminin cleavage during apoptosis by caspase-3 alters its binding ability to the SWI/SNF subunit Brahma. <b>2007</b> , 282, 9346-9357	21
1699	Nutlin-3 protects kidney cells during cisplatin therapy by suppressing Bax/Bak activation. <b>2007</b> , 282, 2636-45	80
1698	NRAS mutation causes a human autoimmune lymphoproliferative syndrome. <b>2007</b> , 104, 8953-8	186
1697	Microbiology. Deadly priming. <b>2007</b> , 318, 578-9	5
1696	Functional linkage between NOXA and Bim in mitochondrial apoptotic events. 2007, 282, 16223-31	32
1695	Small molecule obatoclax (GX15-070) antagonizes MCL-1 and overcomes MCL-1-mediated resistance to apoptosis. <b>2007</b> , 104, 19512-7	569
1694	Multiple triggers of cell death in sepsis: death receptor and mitochondrial-mediated apoptosis. <b>2007</b> , 21, 708-19	127
1693	Lack of the aryl hydrocarbon receptor leads to impaired activation of AKT/protein kinase B and enhanced sensitivity to apoptosis induced via the intrinsic pathway. <b>2007</b> , 320, 448-57	48
1692	Poliovirus induces Bax-dependent cell death mediated by c-Jun NH2-terminal kinase. <b>2007</b> , 81, 7504-16	41
1691	N-terminally deleted forms of the prion protein activate both Bax-dependent and Bax-independent neurotoxic pathways. <b>2007</b> , 27, 852-9	41
1690	The Yersinia effector protein YpkA induces apoptosis independently of actin depolymerization. <b>2007</b> , 178, 6426-34	17
1689	Transforming growth factor (TGF)-beta1 stimulates pulmonary fibrosis and inflammation via a Bax-dependent, bid-activated pathway that involves matrix metalloproteinase-12. <b>2007</b> , 282, 7723-32	141
1688	Caspase-9 regulates apoptosis/proliferation balance during metamorphic brain remodeling in Xenopus. <b>2007</b> , 104, 8502-7	22
1687	Bcl-2 family members regulate anoxia-induced cell death. <b>2007</b> , 9, 1405-9	25
1686	Back to basics: how natural products can provide the basis for new therapeutics. <b>2007</b> , 16, 1753-73	103
1685	Insecticides Design Using Advanced Technologies. 2007,	16
1684	AIF-mediated programmed necrosis: a highly regulated way to die. <b>2007</b> , 6, 2612-9	136

1683	Comparative evaluation of antiproliferative, antiangiogenic and apoptosis inducing potential of black tea polyphenols in the hamster buccal pouch carcinogenesis model. <b>2007</b> , 6, 19	24
1682	Small molecule inhibition of the Bcl-X(L)-BH3 protein-protein interaction: proof-of-concept of an in vivo chemopotentiator ABT-737. <b>2007</b> , 7, 961-5	33
1681	Caspase-8-mediated apoptosis induced by oxidative stress is independent of the intrinsic pathway and dependent on cathepsins. <b>2007</b> , 293, G296-307	59
1680	Mcl-1 is downregulated in cisplatin-induced apoptosis, and proteasome inhibitors restore Mcl-1 and promote survival in renal tubular epithelial cells. <b>2007</b> , 292, F1710-7	32
1679	Characterization of cell clones isolated from hypoxia-selected renal proximal tubular cells. <b>2007</b> , 292, F243-52	10
1678	Macroautophagy as a Target of Cancer Therapy. <b>2007</b> , 3, 199-208	
1677	Effect of GnRH analogues on apoptosis and expression of Bcl-2, Bax, Fas and FasL proteins in endometrial epithelial cell cultures from patients with endometriosis and controls. <b>2007</b> , 22, 644-53	40
1676	A cyclic chimeric interferon-alpha2b peptide induces apoptosis in tumor cells. <b>2007</b> , 6, 1787-93	5
1675	Role of Bcl-2 family members in anoxia induced cell death. <b>2007</b> , 6, 807-9	36
1674	Past and present course of cardioprotection against ischemia-reperfusion injury. <b>2007</b> , 103, 2129-36	69
1673	Activation of CaMKIIdeltaC is a common intermediate of diverse death stimuli-induced heart muscle cell apoptosis. <b>2007</b> , 282, 10833-9	105
1672	Does caspase inhibition promote clonogenic tumor growth?. <b>2007</b> , 6, 3048-53	11
1671	Apoptosis and autophagy function cooperatively for the efficacious execution of programmed nurse cell death during Drosophila virilis oogenesis. <b>2007</b> , 3, 130-2	37
1670	Molecular Animation of Cell Death Mediated by the Fas Pathway. <b>2007</b> , 2007, tr1-tr1	5
1669	Actions of steroids in mitochondria. <b>2007</b> , 25, 154-64	55
1668	Bcl-2 overexpression in thyroid carcinoma cells increases sensitivity to Bcl-2 homology 3 domain inhibition. <b>2007</b> , 92, 4845-52	25
1667	Synergistic cytotoxicity through the activation of multiple apoptosis pathways in human glioma cells induced by combined treatment with ionizing radiation and tumor necrosis factor-related apoptosis-inducing ligand. <b>2007</b> , 106, 407-16	23
1666	The apoptosis inhibitor ARC undergoes ubiquitin-proteasomal-mediated degradation in response to death stimuli: identification of a degradation-resistant mutant. <b>2007</b> , 282, 5522-8	50

1665	Regulation of mitochondrial morphological dynamics during apoptosis by Bcl-2 family proteins: a key in Bak?. <b>2007</b> , 6, 3043-7	78
1664	Cytosolic activation of cathepsins mediates parvovirus H-1-induced killing of cisplatin and TRAIL-resistant glioma cells. <b>2007</b> , 81, 4186-98	126
1663	Coronary Artery Disease: Pathologic Anatomy and Pathogenesis. <b>2007</b> , 593-610	4
1662	Fowlpox virus encodes a Bcl-2 homologue that protects cells from apoptotic death through interaction with the proapoptotic protein Bak. <b>2007</b> , 81, 11032-45	46
1661	The multikinase inhibitor sorafenib potentiates TRAIL lethality in human leukemia cells in association with Mcl-1 and cFLIPL down-regulation. <b>2007</b> , 67, 9490-500	101
1660	Mitochondrial permeabilization relies on BH3 ligands engaging multiple prosurvival Bcl-2 relatives, not Bak. <b>2007</b> , 177, 277-87	102
1659	Crystal structure of the Bcl-XL-Beclin 1 peptide complex: Beclin 1 is a novel BH3-only protein. <b>2007</b> , 282, 13123-32	447
1658	CD4 T cells are required for CD8 T cell survival during both primary and memory recall responses. <b>2007</b> , 179, 8243-51	92
1657	C. elegans orthologs of components of the RB tumor suppressor complex have distinct pro-apoptotic functions. <b>2007</b> , 134, 3691-701	45
1656	Hypoxia inhibits paclitaxel-induced apoptosis through adenosine-mediated phosphorylation of bad in glioblastoma cells. <b>2007</b> , 72, 162-72	70
1655	Bak regulates mitochondrial morphology and pathology during apoptosis by interacting with mitofusins. <b>2007</b> , 104, 11649-54	269
1654	Targeted cell killing by reconstituted caspases. <b>2007</b> , 104, 2283-8	113
1653	Interaction of a cyclin E fragment with Ku70 regulates Bax-mediated apoptosis. 2007, 27, 3511-20	57
1652	An inhibitor of the kinesin spindle protein activates the intrinsic apoptotic pathway independently of p53 and de novo protein synthesis. <b>2007</b> , 27, 689-98	52
1651	A three-helix homo-oligomerization domain containing BH3 and BH1 is responsible for the apoptotic activity of Bax. <b>2007</b> , 21, 1937-48	107
1650	Role of autophagy in cancer: management of metabolic stress. <b>2007</b> , 3, 28-31	336
1649	Differential Apaf-1 levels allow cytochrome c to induce apoptosis in brain tumors but not in normal neural tissues. <b>2007</b> , 104, 20820-5	52
1648	LETM1, deleted in Wolf-Hirschhorn syndrome is required for normal mitochondrial morphology and cellular viability. <b>2008</b> , 17, 201-14	143

1647	Caspases in myocardial infarction. <b>2007</b> , 44, 1-33	22
1646	A key role for calpains in retinal ganglion cell death. <b>2007</b> , 48, 5420-30	55
1645	Oncogene addiction: setting the stage for molecularly targeted cancer therapy. <b>2007</b> , 21, 3214-31	318
1644	BCL-2 family proteins: critical checkpoints of apoptotic cell death. <b>2007</b> , 13, 7254-63	312
1643	Apoptosis of T cells and the control of inflammatory bowel disease: therapeutic implications. <b>2007</b> , 56, 293-303	87
1642	Granzyme K directly processes bid to release cytochrome c and endonuclease G leading to mitochondria-dependent cell death. <b>2007</b> , 282, 12104-11	65
1641	Proapoptotic BH3-only BCL-2 family protein BIM connects death signaling from epidermal growth factor receptor inhibition to the mitochondrion. <b>2007</b> , 67, 11867-75	128
1640	Dioscin (saponin)-induced generation of reactive oxygen species through mitochondria dysfunction: a proteomic-based study. <b>2007</b> , 6, 4703-10	64
1639	Bcl-2 family members and apoptosis, taken to heart. <b>2007</b> , 292, C45-51	222
1638	Switch between apoptosis and autophagy: radiation-induced endoplasmic reticulum stress?. <b>2007</b> , 6, 793-8	126
1637	Mammalian target of rapamycin activation impairs hepatocytic differentiation and targets genes moderating lipid homeostasis and hepatocellular growth. <b>2007</b> , 67, 4337-45	34
1636	Non-esterified fatty acids and human lymphocyte death: a mechanism that involves calcium release and oxidative stress. <b>2007</b> , 195, 133-43	16
1635	Bax is activated during rotavirus-induced apoptosis through the mitochondrial pathway. <b>2007</b> , 81, 4457-64	42
1634	Diminishing apoptosis by deletion of Bax or overexpression of Bcl-2 does not protect against infectious prion toxicity in vivo. <b>2007</b> , 27, 13022-7	32
1633	The mitochondrial respiratory chain is a modulator of apoptosis. <b>2007</b> , 179, 1163-77	112
1632	Signaling pathways for germ cell death in adult cynomolgus monkeys (Macaca fascicularis) induced by mild testicular hyperthermia and exogenous testosterone treatment. <b>2007</b> , 77, 83-92	40
1631	The N terminus of the anti-apoptotic BCL-2 homologue MCL-1 regulates its localization and function. <b>2007</b> , 282, 32233-42	52
1630	Cytotoxic phospholipid oxidation products. Cell death from mitochondrial damage and the intrinsic caspase cascade. <b>2007</b> , 282, 24842-50	71

1629	Glycogen synthase kinase 3alpha and 3beta mediate a glucose-sensitive antiapoptotic signaling pathway to stabilize Mcl-1. <b>2007</b> , 27, 4328-39	163
1628	ESMO Handbook on Principles of Translational Research. <b>2007</b> ,	
1627	Sequential activation of poly(ADP-ribose) polymerase 1, calpains, and Bax is essential in apoptosis-inducing factor-mediated programmed necrosis. <b>2007</b> , 27, 4844-62	270
1626	Bid-independent mitochondrial activation in tumor necrosis factor alpha-induced apoptosis and liver injury. <b>2007</b> , 27, 541-53	40
1625	Drp1 mediates caspase-independent type III cell death in normal and leukemic cells. <b>2007</b> , 27, 7073-88	82
1624	A coordinated action of Bax, PUMA, and p53 promotes MG132-induced mitochondria activation and apoptosis in colon cancer cells. <b>2007</b> , 6, 1062-9	74
1623	Integrative genomic analysis of small-cell lung carcinoma reveals correlates of sensitivity to bcl-2 antagonists and uncovers novel chromosomal gains. <b>2007</b> , 5, 331-9	58
1622	Inhibition of ubiquitin-mediated degradation of MOAP-1 by apoptotic stimuli promotes Bax function in mitochondria. <b>2007</b> , 104, 10051-6	44
1621	Heat shock protein 75 (TRAP1) antagonizes reactive oxygen species generation and protects cells from granzyme M-mediated apoptosis. <b>2007</b> , 282, 20553-60	150
1620	Identification of prothymosin-alpha1, the necrosis-apoptosis switch molecule in cortical neuronal cultures. <b>2007</b> , 176, 853-62	58
1619	BimS-induced apoptosis requires mitochondrial localization but not interaction with anti-apoptotic Bcl-2 proteins. <b>2007</b> , 177, 625-36	74
1618	A collective form of cell death requires homeodomain interacting protein kinase. <b>2007</b> , 178, 567-74	38
1617	Down-regulation of inhibitor of apoptosis levels provides competence for steroid-triggered cell death. <b>2007</b> , 178, 85-92	37
1616	Intracellular signaling during myocardial ischemia. 90-100	
1615	Live & let die - A systems biology view on cell death. <b>2007</b> , 927-928	
1614	The additive effects of minoxidil and retinol on human hair growth in vitro. <b>2007</b> , 30, 21-6	25
1613	Bnip3 mediates mitochondrial dysfunction and cell death through Bax and Bak. 2007, 405, 407-15	156
1612	Induction of apoptosis in rat lymphocytes by starvation. <b>2007</b> , 112, 59-67	13

1611 Bcl-B and Nur77/TR3: a deadly combination. **2007**, 109, 3622-3622

The BH3-mimetic GX15-070 synergizes with bortezomib in mantle cell lymphoma by enhancing Noxa-mediated activation of Bak. <b>2007</b> , 109, 4441-9	177
MRP8/MRP14 impairs endothelial integrity and induces a caspase-dependent and -independent cell death program. <b>2007</b> , 109, 2453-60	112
MEK1/2 inhibitors sensitize Bcr/Abl+ human leukemia cells to the dual Abl/Src inhibitor BMS-354/825. <b>2007</b> , 109, 4006-15	54
Apaf-1 and caspase-9 deficiency prevents apoptosis in a Bax-controlled pathway and promotes clonogenic survival during paclitaxel treatment. <b>2007</b> , 110, 3662-72	64
Activity of vincristine, L-ASP, and dexamethasone against acute lymphoblastic leukemia is enhanced by the BH3-mimetic ABT-737 in vitro and in vivo. <b>2007</b> , 110, 2057-66	130
1605 Procaspase-3 activation by a metalloprotease secreted from Vibrio vulnificus. <b>2007</b> ,	2
Characterization and Evolution of the Cell Cycle-Associated Mob Domain-Containing Proteins in Eukaryotes. <b>2007</b> , 3, 117693430700300	10
Cathepsin B is involved in the apoptosis intrinsic pathway induced by Bacillus Calmette-Gull hin in transitional cancer cell lines. <b>2007</b> ,	2
Actinomycin D upregulates proapoptotic protein Puma and downregulates Bcl-2 mRNA in normal peripheral blood lymphocytes. <b>2007</b> , 18, 763-72	17
1601 BISTABILITY PRESERVING MODEL REDUCTION IN APOPTOSIS. <b>2007</b> , 40, 19-24	2
1600 Manipulation of host signalling pathways by anthrax toxins. <b>2007</b> , 402, 405-17	121
Modulating mitochondria-mediated apoptotic cell death through targeting of Bcl-2 family proteins. <b>2007</b> , 1, 43-61	13
1598 Antiapoptotic therapies in the treatment of spinal cord injury. <b>2007</b> , 2, 425-434	
1597 Identification and characterization of equine granzyme B. <b>2007</b> , 118, 239-51	5
Suppression of programmed cell death regulates the cyclical degeneration of organs in a colonial urochordate. <b>2007</b> , 301, 92-105	20
Programmed death as a therapeutic target to reduce myocardial infarction. <b>2007</b> , 28, 492-9	51
Induction of apoptosis in SGC-7901 cells by polysaccharide-peptide GFPS1b from the cultured mycelia of Grifola frondosa GF9801. <b>2007</b> , 21, 417-27	52

1593	Apoptosis-inducing factor: a matter of neuron life and death. <b>2007</b> , 81, 179-96	159
1592	The neuroprotective role of attractin in neurodegeneration. <b>2007</b> , 28, 1446-56	29
1591	Cellular death linked to irreversible stress in the sarcoplasmic reticulum: the effect of inhibiting Ca(2+) -ATPase or protein glycosylation in the myocardiac cell model H9c2. <b>2007</b> , 466, 194-202	4
1590	BH3 mimetics to improve cancer therapy; mechanisms and examples. <b>2007</b> , 10, 207-17	105
1589	Therapeutic potential of AIF-mediated caspase-independent programmed cell death. 2007, 10, 235-55	108
1588	The cellular prion protein (PrP(C)): its physiological function and role in disease. <b>2007</b> , 1772, 629-44	272
1587	Focal adhesion kinase determines the fate of death or survival of cells in response to TNFalpha in the presence of actinomycin D. <b>2007</b> , 1770, 518-26	19
1586	Cloning and characterization of a novel caspase-10 isoform that activates NF-kappa B activity. <b>2007</b> , 1770, 1528-37	21
1585	Conjugated linoleic acid induces apoptosis of murine mammary tumor cells via Bcl-2 loss. <b>2007</b> , 356, 1044-9	33
1584	NM23-H2 involves in negative regulation of Diva and Bcl2L10 in apoptosis signaling. <b>2007</b> , 359, 76-82	32
1583	Apoptosis induced by BIK was decreased with RNA interference of caspase-12. <b>2007</b> , 359, 896-901	11
1582	X-linked inhibitor of apoptosis protein increases mitochondrial antioxidants through NF-kappaB activation. <b>2007</b> , 364, 138-44	41
1581	Supernatant of bacterial fermented soybean induces apoptosis of human hepatocellular carcinoma Hep 3B cells via activation of caspase 8 and mitochondria. <b>2007</b> , 45, 303-14	24
1580	Bcl-2 proteins link programmed cell death with growth and morphogenetic adaptations in the fungal plant pathogen Colletotrichum gloeosporioides. <b>2007</b> , 44, 32-43	33
1579	Programmed anuclear cell death delimits platelet life span. <i>Cell</i> , <b>2007</b> , 128, 1173-86 56.2	763
1578	Role of mitochondrial remodeling in programmed cell death in Drosophila melanogaster. <b>2007</b> , 12, 807-16	110
1577	Mitochondrial disruption in Drosophila apoptosis. <b>2007</b> , 12, 793-806	141
1576	Pathways regulating apoptosis during patterning and development. <b>2007</b> , 17, 294-9	37

1575	Cloning and characterization of Xenopus laevis Smac/DIABLO. <b>2007</b> , 392, 187-95	4
1574	Free radicals and antioxidants in normal physiological functions and human disease. <b>2007</b> , 39, 44-84	8827
1573	Tamoxifen induces permanent growth arrest through selective induction of apoptosis in growth plate chondrocytes in cultured rat metatarsal bones. <b>2007</b> , 40, 1415-24	35
1572	Onconase induces caspase-independent cell death in chemoresistant neuroblastoma cells. <b>2007</b> , 250, 107-16	42
1571	Molecular basis of Bcl-xL's target recognition versatility revealed by the structure of Bcl-xL in complex with the BH3 domain of Beclin-1. <b>2007</b> , 372, 223-35	147
1570	Crystal structure of the BIR1 domain of XIAP in two crystal forms. <b>2007</b> , 372, 847-854	27
1569	ACTX-8, a cytotoxic L-amino acid oxidase isolated from Agkistrodon acutus snake venom, induces apoptosis in Hela cervical cancer cells. <b>2007</b> , 80, 1189-97	46
1568	Convergence of multiple signaling pathways is required to coordinately up-regulate mtDNA and mitochondrial biogenesis during T cell activation. <b>2007</b> , 7, 374-85	66
1567	Calcium blocks formation of apoptosome by preventing nucleotide exchange in Apaf-1. <b>2007</b> , 25, 181-92	75
1566	A structural viral mimic of prosurvival Bcl-2: a pivotal role for sequestering proapoptotic Bax and Bak. <b>2007</b> , 25, 933-42	110
1565	Lucifer's labyrinthten years of path finding in cell death. <b>2007</b> , 28, 746-54	81
1564	Cell death induced by GSM 900-MHz and DCS 1800-MHz mobile telephony radiation. <b>2007</b> , 626, 69-78	84
1563	Expression of bcl2 family proteins and active caspase 3 in classical Hodgkin's lymphomas. 2007, 38, 103-13	27
1562	MRI visualized neo-intimal dissection and co-localization of novel apoptotic markers apolipoprotein C-1, ceramide and caspase-3 in a Watanabe hyperlipidemic rabbit model. <b>2007</b> , 191, 82-9	8
1561	Hypoxic switch in mitochondrial myeloid cell leukemia factor-1/Mtd apoptotic rheostat contributes to human trophoblast cell death in preeclampsia. <b>2007</b> , 171, 496-506	40
1560	Doppel induces degeneration of cerebellar Purkinje cells independently of Bax. <b>2007</b> , 171, 599-607	12
1559	Bcl-w protects hippocampus during experimental status epilepticus. <b>2007</b> , 171, 1258-68	48
1558	Mitochondrial cascade hypothesis of Alzheimer's disease: myth or reality?. <b>2007</b> , 9, 1631-46	45

## (2007-2007)

1557	Apoptosome: a platform for the activation of initiator caspases. <b>2007</b> , 14, 56-65	307
1556	The antiapoptotic activity of insect IAPs requires activation by an evolutionarily conserved mechanism. <b>2007</b> , 14, 1191-201	25
1555	Apoptosis, Senescence, and Cancer. 2007,	6
1554	Biology and Control Theory: Current Challenges. 2007,	8
1553	Neuroprotection Methods and Protocols. 2007,	
1552	Breast Cancer Chemosensitivity. 2007,	2
1551	SUMO, the three Rs and cancer. <b>2007</b> , 313, 49-71	52
1550	The Intrinsic Pathway of Apoptosis. <b>2007</b> , 3-30	3
1549	Induction of autophagy and apoptosis by the extract of Solanum nigrum Linn in HepG2 cells. <b>2007</b> , 55, 3620-8	58
1548	Two faces of p53: aging and tumor suppression. <b>2007</b> , 35, 7475-84	294
1548 1547	Two faces of p53: aging and tumor suppression. 2007, 35, 7475-84  Acute Myelogenous Leukemia. 2007,	294
1547		294 30
1547	Acute Myelogenous Leukemia. 2007,  Bortezomib sensitizes non-Hodgkin's lymphoma cells to apoptosis induced by antibodies to tumor necrosis factor related apoptosis-inducing ligand (TRAIL) receptors TRAIL-R1 and TRAIL-R2. 2007,	
1547 1546	Acute Myelogenous Leukemia. 2007,  Bortezomib sensitizes non-Hodgkin's lymphoma cells to apoptosis induced by antibodies to tumor necrosis factor related apoptosis-inducing ligand (TRAIL) receptors TRAIL-R1 and TRAIL-R2. 2007, 13, 5528s-5534s	30
1547 1546 1545	Acute Myelogenous Leukemia. 2007,  Bortezomib sensitizes non-Hodgkin's lymphoma cells to apoptosis induced by antibodies to tumor necrosis factor related apoptosis-inducing ligand (TRAIL) receptors TRAIL-R1 and TRAIL-R2. 2007, 13, 5528s-5534s  Therapeutic targets in the mitochondrial apoptotic pathway. 2007, 11, 515-26  ER stress signaling and the BCL-2 family of proteins: from adaptation to irreversible cellular	30 32
1547 1546 1545 1544	Acute Myelogenous Leukemia. 2007,  Bortezomib sensitizes non-Hodgkin's lymphoma cells to apoptosis induced by antibodies to tumor necrosis factor related apoptosis-inducing ligand (TRAIL) receptors TRAIL-R1 and TRAIL-R2. 2007, 13, 5528s-5534s  Therapeutic targets in the mitochondrial apoptotic pathway. 2007, 11, 515-26  ER stress signaling and the BCL-2 family of proteins: from adaptation to irreversible cellular damage. 2007, 9, 2345-55  Human liver sinusoidal endothelial cells induce apoptosis in activated T cells: a role in tolerance	30 32 94
1547 1546 1545 1544	Acute Myelogenous Leukemia. 2007,  Bortezomib sensitizes non-Hodgkin's lymphoma cells to apoptosis induced by antibodies to tumor necrosis factor related apoptosis-inducing ligand (TRAIL) receptors TRAIL-R1 and TRAIL-R2. 2007, 13, 5528s-5534s  Therapeutic targets in the mitochondrial apoptotic pathway. 2007, 11, 515-26  ER stress signaling and the BCL-2 family of proteins: from adaptation to irreversible cellular damage. 2007, 9, 2345-55  Human liver sinusoidal endothelial cells induce apoptosis in activated T cells: a role in tolerance induction. 2007, 56, 243-52	30 32 94 43

1539	Apoptosis regulation by Bcl-x(L) modulation of mammalian inositol 1,4,5-trisphosphate receptor channel isoform gating. <b>2007</b> , 104, 12565-70	136
1538	Noxa/Mcl-1 balance regulates susceptibility of cells to camptothecin-induced apoptosis. <b>2007</b> , 9, 871-81	40
1537	Targeting antiapoptotic Bcl-2 family members with cell-permeable BH3 peptides induces apoptosis signaling and death in head and neck squamous cell carcinoma cells. <b>2007</b> , 9, 801-11	40
1536	Systemic inflammation and skeletal muscle dysfunction in chronic obstructive pulmonary disease: state of the art and novel insights in regulation of muscle plasticity. <b>2007</b> , 28, 537-52, vi	44
1535	TAT-Bim induces extensive apoptosis in cancer cells. <b>2007</b> , 14, 1763-71	42
1534	Selective sigma-2 ligands preferentially bind to pancreatic adenocarcinomas: applications in diagnostic imaging and therapy. <b>2007</b> , 6, 48	106
1533	Response to bistability in apoptosis: roles of bax, bcl-2, and mitochondrial permeability transition pores. <b>2007</b> , 92, 3332-4	29
1532	Protoplast Analysis using Flow Cytometry and Sorting. <b>2007</b> , 231-250	10
1531	Cell signaling and neuronal death. <b>2007</b> , 47, 117-41	184
1530	Metabolic catastrophe as a means to cancer cell death. <b>2007</b> , 120, 379-83	177
1530 1529	Metabolic catastrophe as a means to cancer cell death. <b>2007</b> , 120, 379-83  Novel targeted pro-apoptotic agents for the treatment of prostate cancer. <b>2007</b> , 178, 1846-54	177
1529		
1529	Novel targeted pro-apoptotic agents for the treatment of prostate cancer. <b>2007</b> , 178, 1846-54	12
1529 1528 1527	Novel targeted pro-apoptotic agents for the treatment of prostate cancer. <b>2007</b> , 178, 1846-54  Cell turnover and adult tissue homeostasis: from humans to planarians. <b>2007</b> , 41, 83-105  A linear pentapeptide is a quorum-sensing factor required for mazEF-mediated cell death in	12 216
1529 1528 1527	Novel targeted pro-apoptotic agents for the treatment of prostate cancer. 2007, 178, 1846-54  Cell turnover and adult tissue homeostasis: from humans to planarians. 2007, 41, 83-105  A linear pentapeptide is a quorum-sensing factor required for mazEF-mediated cell death in Escherichia coli. 2007, 318, 652-5	12 216
1529 1528 1527 1526	Novel targeted pro-apoptotic agents for the treatment of prostate cancer. 2007, 178, 1846-54  Cell turnover and adult tissue homeostasis: from humans to planarians. 2007, 41, 83-105  A linear pentapeptide is a quorum-sensing factor required for mazEF-mediated cell death in Escherichia coli. 2007, 318, 652-5  Mitochondrial Mutations and Disease. 345-416	12 216 210
1529 1528 1527 1526	Novel targeted pro-apoptotic agents for the treatment of prostate cancer. 2007, 178, 1846-54  Cell turnover and adult tissue homeostasis: from humans to planarians. 2007, 41, 83-105  A linear pentapeptide is a quorum-sensing factor required for mazEF-mediated cell death in Escherichia coli. 2007, 318, 652-5  Mitochondrial Mutations and Disease. 345-416  Neuronal death and neuroprotection: a review. 2007, 399, 1-14	12 216 210

1521	Cardiovascular Signaling Pathways. <b>2007</b> , 77-113	Ο
1520	. 2007,	68
1519	Stage-specific regulation of programmed cell death during oogenesis of the medfly Ceratitis capitata (Diptera, Tephritidae). <b>2007</b> , 51, 57-66	18
1518	KSHV manipulation of the cell cycle and programmed cell death pathways. 540-558	7
1517	Reversal of an immunity associated plant cell death program by the growth regulator auxin. 2007,	1
1516	Enhanced cell culture performance using inducible anti-apoptotic genes E1B-19K and Aven in the production of a monoclonal antibody with Chinese hamster ovary cells. <b>2007</b> , 97, 877-92	82
1515	Anti-apoptotic genes Aven and E1B-19K enhance performance of BHK cells engineered to express recombinant factor VIII in batch and low perfusion cell culture. <b>2007</b> , 98, 825-41	35
1514	Mitochondrial-targeted active Akt protects SH-SY5Y neuroblastoma cells from staurosporine-induced apoptotic cell death. <b>2007</b> , 102, 196-210	33
1513	Induction of immature dendritic cell apoptosis by foot and mouth disease virus is an integrin receptor mediated event before viral infection. <b>2007</b> , 102, 980-91	18
1512	Two optimized combination assays to examine apoptosis pathways in clinical samples. <b>2007</b> , 71, 675-85	4
1511	Differential, age-dependent MEK-ERK and PI3K-Akt activation by insulin acting as a survival factor during embryonic retinal development. <b>2007</b> , 67, 1777-88	30
1510	Toll-like receptors' two-edged sword: when immunity meets apoptosis. 2007, 37, 3311-8	129
1509	Oral IDN-6556, an antiapoptotic caspase inhibitor, may lower aminotransferase activity in patients with chronic hepatitis C. <b>2007</b> , 46, 324-9	166
1508	Ultrastructural analysis of aminoglycoside-induced hair cell death in the zebrafish lateral line reveals an early mitochondrial response. <b>2007</b> , 502, 522-43	87
1507	Involvement of MAPK, Bcl-2 family, cytochrome c, and caspases in induction of apoptosis by 1,6-O,O-diacetylbritannilactone in human leukemia cells. <b>2007</b> , 51, 229-38	31
1506	Cell death during preoviposition period in Boophilus microplus tick. <b>2007</b> , 144, 321-7	28
1505	Matrine induced gastric cancer MKN45 cells apoptosis via increasing pro-apoptotic molecules of Bcl-2 family. <b>2007</b> , 229, 245-52	63
1504	The role of ROS in microcystin-LR-induced hepatocyte apoptosis and liver injury in mice. <b>2007</b> , 232, 15-23	147

1503	Bcl-2-regulated apoptosis: mechanism and therapeutic potential. <b>2007</b> , 19, 488-96	493
1502	Cascade of transcriptional induction and repression during IL-2 deprivation-induced apoptosis. <b>2007</b> , 112, 9-29	9
1501	The transcription factor nuclear factor-kappa B and cancer. <b>2007</b> , 19, 154-61	169
1500	NOD-like receptors and human diseases. <b>2007</b> , 9, 648-57	61
1499	'Seed' analysis of off-target siRNAs reveals an essential role of Mcl-1 in resistance to the small-molecule Bcl-2/Bcl-XL inhibitor ABT-737. <b>2007</b> , 26, 3972-9	221
1498	SMAC/Diablo mediates the proapoptotic function of PUMA by regulating PUMA-induced mitochondrial events. <b>2007</b> , 26, 4189-98	71
1497	The Bcl-2 apoptotic switch in cancer development and therapy. <b>2007</b> , 26, 1324-37	1620
1496	Coping with stress: multiple ways to activate p53. <b>2007</b> , 26, 1306-16	390
1495	Targeting death-inducing receptors in cancer therapy. <b>2007</b> , 26, 3745-57	166
1494	Structure-function analysis of the interaction between Bax and the cytomegalovirus-encoded protein vMIA. <b>2007</b> , 26, 7067-80	43
1493	Voltage-dependent anion channels are dispensable for mitochondrial-dependent cell death. <b>2007</b> , 9, 550-5	751
1492	Death-receptor O-glycosylation controls tumor-cell sensitivity to the proapoptotic ligand Apo2L/TRAIL. <b>2007</b> , 13, 1070-7	477
1491	p53 in health and disease. <b>2007</b> , 8, 275-83	1709
1490	Self-eating and self-killing: crosstalk between autophagy and apoptosis. <b>2007</b> , 8, 741-52	2630
1489	Insulin-like growth factor binding protein 3 (IGFBP-3) potentiates TRAIL-induced apoptosis of human colorectal carcinoma cells through inhibition of NF-kappaB. <b>2007</b> , 14, 137-45	55
1488	Apoptosome dependent caspase-3 activation pathway is non-redundant and necessary for apoptosis in sympathetic neurons. <b>2007</b> , 14, 625-33	38
1487	Mitochondrial fission is an upstream and required event for bax foci formation in response to nitric oxide in cortical neurons. <b>2007</b> , 14, 462-71	106
1486	Genetic variance modifies apoptosis susceptibility in mature oocytes via alterations in DNA repair capacity and mitochondrial ultrastructure. <b>2007</b> , 14, 524-33	52

#### (2007-2007)

1485	TOM22, a core component of the mitochondria outer membrane protein translocation pore, is a mitochondrial receptor for the proapoptotic protein Bax. <b>2007</b> , 14, 785-94	122
1484	A cut short to death: Parl and Opa1 in the regulation of mitochondrial morphology and apoptosis. <b>2007</b> , 14, 1275-84	104
1483	The proapoptotic BCL-2 family member BIM mediates motoneuron loss in a model of amyotrophic lateral sclerosis. <b>2007</b> , 14, 1386-9	62
1482	Nucleocytoplasmic shuttling of BID is involved in regulating its activities in the DNA-damage response. <b>2007</b> , 14, 1628-34	20
1481	Prothymosin-alpha1 prevents necrosis and apoptosis following stroke. <b>2007</b> , 14, 1839-42	31
1480	How important are post-translational modifications in p53 for selectivity in target-gene transcription and tumour suppression?. <b>2007</b> , 14, 1561-75	165
1479	Regulation of apoptosis by C. elegans CED-9 in the absence of the C-terminal transmembrane domain. <b>2007</b> , 14, 1925-35	18
1478	Functional and physical interaction between Bcl-X(L) and a BH3-like domain in Beclin-1. <b>2007</b> , 26, 2527-39	916
1477	Drosophila Omi, a mitochondrial-localized IAP antagonist and proapoptotic serine protease. <b>2007</b> , 26, 3144-56	43
1476	AKT delays the early-activated apoptotic pathway in UVB-irradiated keratinocytes via BAD translocation. <b>2007</b> , 127, 429-38	22
1475	Pemetrexed acts as an antimyeloma agent by provoking cell cycle blockade and apoptosis. <b>2007</b> , 21, 797-804	25
1474	Smac-mediated sensitization of human B-lymphoma cells to staurosporine- and lactacystin-triggered apoptosis is apoptosome-dependent. <b>2007</b> , 21, 1035-43	10
1473	BH3 mimetic ABT-737 neutralizes resistance to FLT3 inhibitor treatment mediated by FLT3-independent expression of BCL2 in primary AML blasts. <b>2007</b> , 21, 1763-72	84
1472	Apoptosis commitmenttranslating survival signals into decisions on mitochondria. 2007, 17, 976-84	65
1471	Apoptosis signaling pathways and lymphocyte homeostasis. <b>2007</b> , 17, 759-71	130
1470	Identification of Tim4 as a phosphatidylserine receptor. <b>2007</b> , 450, 435-9	834
1469	Bid is required in NPe6-PDT-induced apoptosis. <b>2008</b> , 84, 250-7	22
1468	Chemical caspase inhibitors enhance cell culture viabilities and protein titer. <b>2007</b> , 23, 506-11	18

1467	Leishmania promastigotes activate PI3K/Akt signalling to confer host cell resistance to apoptosis. <b>2007</b> , 9, 84-96	108
1466	Identification and quantification of apoptosis in the kidney using morphology, biochemical and molecular markers. <b>2007</b> , 12, 452-8	38
1465	Suicide prevention: disruption of apoptotic pathways by protozoan parasites. <b>2007</b> , 64, 904-16	71
1464	Caspase-dependent cleavage of desmoglein 1 depends on the apoptotic stimulus. <b>2007</b> , 156, 400-2	16
1463	Infliximab-induced acne: report of two cases. <b>2007</b> , 156, 402-3	25
1462	A Critical role for Bim in retinal ganglion cell death. <b>2007</b> , 102, 922-30	40
1461	Autoimmune diseases caused by defects in clearing dead cells and nuclei expelled from erythroid precursors. <b>2007</b> , 220, 237-50	60
1460	Decrease in the number and apoptosis of alveolar bone osteoclasts in estrogen-treated rats. <b>2007</b> , 42, 193-201	29
1459	Inhibition of proliferation and induction of apoptosis by melatonin in human myeloid HL-60 cells. <b>2007</b> , 42, 131-8	71
1458	Fragmentation of the Golgi apparatus: an early apoptotic event independent of the cytoskeleton. <b>2007</b> , 8, 369-78	66
1457	Immunohistochemical analysis of phospho-BAD protein and mutational analysis of BAD gene in gastric carcinomas. <b>2007</b> , 115, 976-81	4
1456	Bcl2-negative follicular lymphomas frequently have Bcl6 translocation and/or Bcl6 or p53 expression. <b>2007</b> , 57, 148-52	20
1455	A more serine way to die: defining the characteristics of serine protease-mediated cell death cascades. <b>2007</b> , 1773, 1491-9	12
1454	Molecular effectors of multiple cell death pathways initiated by photodynamic therapy. <b>2007</b> , 1776, 86-107	297
1453	Role of peroxidases, thiols and Bak/Bax in tumor cell susceptibility to Cu[DEDTC]2. 2007, 74, 841-50	18
1452	The Lurcher mouse: fresh insights from an old mutant. <b>2007</b> , 1140, 4-18	56
1451	Molecular targets in cerebral ischemia for developing novel therapeutics. 2007, 54, 34-66	563
1450	BH3 profiling identifies three distinct classes of apoptotic blocks to predict response to ABT-737 and conventional chemotherapeutic agents. <b>2007</b> , 12, 171-85	411

### (2007-2007)

1449	apoptosis. <b>2007</b> , 12, 445-56	491
1448	Erk5 is activated and acts as a survival factor in mitosis. <b>2007</b> , 19, 1964-72	26
1447	Bid is not required for Bax translocation during UV-induced apoptosis. <b>2007</b> , 19, 2468-78	28
1446	Proapoptotic histone H1.2 induces CASP-3 and -7 activation by forming a protein complex with CYT c, APAF-1 and CASP-9. <b>2007</b> , 581, 3422-8	26
1445	Cathepsin D-Bax death pathway in oxidative stressed neuroblastoma cells. 2007, 42, 1305-16	73
1444	13-Hydroxy-15-oxo-zoapatlin, an ent-kaurane diterpene, induces apoptosis in human leukemia cells, affecting thiol-mediated redox regulation. <b>2007</b> , 43, 1409-22	13
1443	Immunoparalysis after multiple trauma. <b>2007</b> , 38, 1346-57	85
1442	Bax-dependent mitochondrial membrane permeabilization enhances IRF3-mediated innate immune response during VSV infection. <b>2007</b> , 365, 20-33	29
1441	Human mature erythroblasts are resistant to apoptosis. <b>2007</b> , 313, 1024-32	9
1440	Clinical Trial of the Pan-Caspase Inhibitor, IDN-6556, in Human Liver Preservation Injury. <b>2007</b> , 7, 218-25	144
1439	Therapeutic approaches for muscle wasting disorders. <b>2007</b> , 113, 461-87	117
1438	Paroxetine-induced apoptosis in human osteosarcoma cells: activation of p38 MAP kinase and caspase-3 pathways without involvement of [Ca2+]i elevation. <b>2007</b> , 218, 265-73	43
1437	Mitochondrial fragmentation in apoptosis. <b>2007</b> , 17, 6-12	114
1436	Jaceosidin induces apoptosis in ras-transformed human breast epithelial cells through generation of reactive oxygen species. <b>2007</b> , 1095, 483-95	37
1435	Modelling and Analysis of Cell Death Signalling. <b>2007</b> , 161-180	1
1434	Death Receptors. <b>2006</b> , 219-261	1
1433	The Role of Proteasome in Apoptosis. <b>2006</b> , 273-293	
1432	Carcinogenesis. <b>2007</b> , 97-118	

1431	Down-regulation of pro-apoptotic genes is an early event in the progression of malignant melanoma. <b>2007</b> , 14, 1416-23	17
1430	Monte Carlo simulations of tBid association with the mitochondrial outer membrane. <b>2007</b> , 37, 19-33	17
1429	Caspase-resistant VirD2 protein provides enhanced gene delivery and expression in plants. <b>2007</b> , 26, 1215-9	21
1428	Rho kinase in the regulation of cell death and survival. <b>2007</b> , 55, 61-75	180
1427	'Heated' debates in apoptosis. <b>2007</b> , 64, 2329-33	56
1426	Towards progress on DNA vaccines for cancer. <b>2007</b> , 64, 2391-403	31
1425	Phytanic acid impairs mitochondrial respiration through protonophoric action. <b>2007</b> , 64, 3271-81	43
1424	Alternol inhibits proliferation and induces apoptosis in mouse lymphocyte leukemia (L1210) cells. <b>2007</b> , 306, 115-22	19
1423	Pro-apoptotic PUMA and anti-apoptotic phospho-BAD are highly expressed in colorectal carcinomas. <b>2007</b> , 52, 2751-6	18
1422	Mitochondria and cardioprotection. <b>2007</b> , 12, 249-60	135
1422 1421	Mitochondria and cardioprotection. <b>2007</b> , 12, 249-60  Galectin-3 in apoptosis, a novel therapeutic target. <b>2007</b> , 39, 79-84	135 94
1421	Galectin-3 in apoptosis, a novel therapeutic target. <b>2007</b> , 39, 79-84  Inhibition of anion channels derived from mitochondrial membranes of the rat heart by stilbene	94
1421 1420	Galectin-3 in apoptosis, a novel therapeutic target. <b>2007</b> , 39, 79-84  Inhibition of anion channels derived from mitochondrial membranes of the rat heart by stilbene disulfonateDIDS. <b>2007</b> , 39, 301-11	94
1421 1420 1419	Galectin-3 in apoptosis, a novel therapeutic target. 2007, 39, 79-84  Inhibition of anion channels derived from mitochondrial membranes of the rat heart by stilbene disulfonateDIDS. 2007, 39, 301-11  Bad expression predicts outcome in patients treated with tamoxifen. 2007, 102, 173-9  Mutant Bik gene transferred by cationic liposome inhibits peritoneal disseminated murine colon	94 14 38
1421 1420 1419 1418	Galectin-3 in apoptosis, a novel therapeutic target. 2007, 39, 79-84  Inhibition of anion channels derived from mitochondrial membranes of the rat heart by stilbene disulfonateDIDS. 2007, 39, 301-11  Bad expression predicts outcome in patients treated with tamoxifen. 2007, 102, 173-9  Mutant Bik gene transferred by cationic liposome inhibits peritoneal disseminated murine colon cancer. 2007, 24, 461-70  Pathway analysis identifies perturbation of genetic networks induced by butyrate in a bovine	<ul><li>94</li><li>14</li><li>38</li><li>7</li></ul>
1421 1420 1419 1418	Galectin-3 in apoptosis, a novel therapeutic target. 2007, 39, 79-84  Inhibition of anion channels derived from mitochondrial membranes of the rat heart by stilbene disulfonateDIDS. 2007, 39, 301-11  Bad expression predicts outcome in patients treated with tamoxifen. 2007, 102, 173-9  Mutant Bik gene transferred by cationic liposome inhibits peritoneal disseminated murine colon cancer. 2007, 24, 461-70  Pathway analysis identifies perturbation of genetic networks induced by butyrate in a bovine kidney epithelial cell line. 2007, 7, 193-205  Role of HPV E6 proteins in preventing UVB-induced release of pro-apoptotic factors from the	<ul><li>94</li><li>14</li><li>38</li><li>7</li><li>53</li></ul>

1	1413	Essential role of p53 in trophoblastic apoptosis induced in the developing rodent placenta by treatment with a DNA-damaging agent. <b>2007</b> , 12, 1743-54	15
1	1412	Involvement of c-Jun NH2-terminal kinase and nitric oxide-mediated mitochondria-dependent intrinsic pathway signaling in cardiotoxin-induced muscle cell death: role of testosterone. <b>2007</b> , 12, 1965-78	27
1	1411	Effect of xanthohumol and isoxanthohumol on 3T3-L1 cell apoptosis and adipogenesis. 2007, 12, 1953-63	81
1	1410	Absence of Bax switched MG132-induced apoptosis to non-apoptotic cell death that could be suppressed by transcriptional or translational inhibition. <b>2007</b> , 12, 2233-44	23
1	1409	Cardiolipin: setting the beat of apoptosis. <b>2007</b> , 12, 877-85	233
1	1408	A tale of two mitochondrial channels, MAC and PTP, in apoptosis. <b>2007</b> , 12, 857-68	176
1	1407	Mitochondrial dynamics in the regulation of neuronal cell death. <b>2007</b> , 12, 979-92	59
1	1406	Mitochondrial carriers and pores: key regulators of the mitochondrial apoptotic program?. <b>2007</b> , 12, 869-76	60
1	1405	Pathological apoptosis in the developing brain. <b>2007</b> , 12, 993-1010	152
1	1404	Steady state and (bi-) stability evaluation of simple protease signalling networks. <b>2007</b> , 90, 591-601	33
1	1403	Noninvasive imaging of apoptosis in cardiovascular disease. <b>2008</b> , 13, 163-73	45
1	1402	Simplified apoptotic cascades. <b>2008</b> , 13, 111-9	57
1	1401	Ultrastructural definition of apoptosis in heart failure. <b>2008</b> , 13, 121-35	30
1	1400	Programmed cell death in cardiac myocytes: strategies to maximize post-ischemic salvage. <b>2008</b> , 13, 193-209	46
1	1399	Mitochondrial centrality in heart failure. <b>2008</b> , 13, 137-50	98
1	1398	Endoplasmic reticulum stress responses. <b>2008</b> , 65, 862-94	498
1	1397	NOD-like receptors: ancient sentinels of the innate immune system. <b>2008</b> , 65, 1361-77	49
1	1396	Prothymosin alpha plays a key role in cell death mode-switch, a new concept for neuroprotective mechanisms in stroke. <b>2008</b> , 377, 315-23	14

1395	The rationale for cardiomyocyte resuscitation in myocardial salvage. <b>2008</b> , 86, 1085-95	22
1394	Effects of recombinant MAP30 on cell proliferation and apoptosis of human colorectal carcinoma LoVo cells. <b>2008</b> , 39, 79-86	23
1393	Myrtucommulone from Myrtus communis induces apoptosis in cancer cells via the mitochondrial pathway involving caspase-9. <b>2008</b> , 13, 119-31	84
1392	Trifolin acetate-induced cell death in human leukemia cells is dependent on caspase-6 and activates the MAPK pathway. <b>2008</b> , 13, 716-28	29
1391	Involvement of oxidative stress and caspase 2-mediated intrinsic pathway signaling in age-related increase in muscle cell apoptosis in mice. <b>2008</b> , 13, 822-32	95
1390	Bim(L) displacing Bcl-x(L) promotes Bax translocation during TNFalpha-induced apoptosis. <b>2008</b> , 13, 950-8	35
1389	Resveratrol disrupts peroxynitrite-triggered mitochondrial apoptotic pathway: a role for Bcl-2. <b>2008</b> , 13, 1043-53	28
1388	Construction and analysis of a modular model of caspase activation in apoptosis. <b>2008</b> , 5, 26	77
1387	Anti cancer effects of curcumin: cycle of life and death. 2008, 3, 14	242
1386	Proteasome inhibition blocks caspase-8 degradation and sensitizes prostate cancer cells to death receptor-mediated apoptosis. <b>2008</b> , 68, 200-9	33
1385	Inhibition of 5-HT1A receptor-dependent cell survival by cAMP/protein kinase A: role of protein phosphatase 2A and Bax. <b>2008</b> , 86, 2326-38	19
1384	SYTO probes in the cytometry of tumor cell death. <b>2008</b> , 73, 496-507	55
1383	Palatal seam disintegration: to die or not to die? that is no longer the question. 2008, 237, 2643-56	62
1382	Genetic variants and haplotypes of the caspase-8 and caspase-10 genes contribute to susceptibility to cutaneous melanoma. <b>2008</b> , 29, 1443-51	46
1381	Degradation of HPV20E6 by p53: Delta Np63 alpha and mutant p53R248W protect the wild type p53 mediated caspase-degradation. <b>2008</b> , 123, 108-16	11
1380	ApoG2, a novel inhibitor of antiapoptotic Bcl-2 family proteins, induces apoptosis and suppresses tumor growth in nasopharyngeal carcinoma xenografts. <b>2008</b> , 123, 2418-29	50
1379	The mitochondrial gateway to cell death. <b>2008</b> , 60, 383-9	63
1378	Immunosuppressive drug-free operational immune tolerance in human kidney transplants recipients. Part II. Non-statistical gene microarray analysis. <b>2008</b> , 103, 1693-706	36

1377	Dysregulation of apoptotic signaling in cancer: molecular mechanisms and therapeutic opportunities. <b>2008</b> , 104, 1124-49	140
1376	Natural programmed cell death in T. cruzi epimastigotes maintained in axenic cultures. 2008, 105, 688-98	53
1375	The role of p38 MAPK and JNK in Arsenic trioxide-induced mitochondrial cell death in human cervical cancer cells. <b>2008</b> , 217, 23-33	87
1374	Survival assay of transiently transfected dopaminergic neurons. 2008, 169, 8-15	10
1373	Inhibitors of c-Jun N-terminal kinases: JuNK no more?. <b>2008</b> , 1784, 76-93	99
1372	Novel anti-apoptotic effect of Bcl-2: prevention of polyamine depletion-induced cell death. <b>2008</b> , 32, 66-74	8
1371	Mitochondria, endoplasmic reticulum and actin filament behavior after PDT with chloroaluminum phthalocyanine liposomal in HeLa cells. <b>2008</b> , 32, 1024-8	18
1370	Regulation of ovarian angiogenesis and apoptosis by GnRH-I analogs. <b>2008</b> , 75, 623-31	13
1369	Relevance of caspase activity during apoptosis in pubertal rat spermatogenesis. 2008, 75, 881-9	15
1368	Apolipoprotein L1, a novel Bcl-2 homology domain 3-only lipid-binding protein, induces autophagic cell death. <b>2008</b> , 283, 21540-9	166
1367	Cytokines and Chemokines. 2008, 183-205	1
1366	Autophagic death of adult hippocampal neural stem cells following insulin withdrawal. 2008, 26, 2602-10	90
1365	Programmed Cell Death in Protists without Mitochondria: The Missing Link. 2008, 7-23	1
1364	Glucose-regulated protein 75 suppresses apoptosis induced by glucose deprivation in PC12 cells through inhibition of Bax conformational change. <b>2008</b> , 40, 339-48	30
1363	Variable Bax antigenicity is linked to keratinocyte position within epidermal strata and UV-induced apoptosis. <b>2008</b> , 17, 125-32	9
1362	Melanoma genetics and therapeutic approaches in the 21st century: moving from the benchside to the bedside. <b>2008</b> , 128, 2575-2595	136
1361	Epithelial cell expression of BCL-2 family proteins predicts mechanisms that regulate Helicobacter pylori-induced pathology in the mouse stomach. <b>2008</b> , 88, 1227-44	3
1360	Downregulation of Mcl-1 potentiates HDACi-mediated apoptosis in leukemic cells. <b>2008</b> , 22, 819-25	56

1359	BAX activation is initiated at a novel interaction site. <b>2008</b> , 455, 1076-81	543
1358	Viral pro-survival proteins block separate stages in Bax activation but changes in mitochondrial ultrastructure still occur. <b>2008</b> , 15, 997-1008	18
1357	In several cell types tumour suppressor p53 induces apoptosis largely via Puma but Noxa can contribute. <b>2008</b> , 15, 1019-29	154
1356	TCTP protects from apoptotic cell death by antagonizing bax function. <b>2008</b> , 15, 1211-20	161
1355	The molecular archaeology of a mitochondrial death effector: AIF in Drosophila. 2008, 15, 1009-18	41
1354	A novel paradigm for rapid ABT-737-induced apoptosis involving outer mitochondrial membrane rupture in primary leukemia and lymphoma cells. <b>2008</b> , 15, 820-30	89
1353	BIM and other BCL-2 family proteins exhibit cross-species conservation of function between zebrafish and mammals. <b>2008</b> , 15, 1063-72	39
1352	Insulin-like growth factor-I protects cells from ER stress-induced apoptosis via enhancement of the adaptive capacity of endoplasmic reticulum. <b>2008</b> , 15, 1304-17	55
1351	Stress via p53 pathway causes apoptosis by mitochondrial Noxa upregulation in doxorubicin-treated neuroblastoma cells. <b>2008</b> , 27, 741-54	31
1350	Ionizing radiation modulates the TRAIL death-inducing signaling complex, allowing bypass of the mitochondrial apoptosis pathway. <b>2008</b> , 27, 574-84	34
1349	An NF-kappaB gene expression signature contributes to Kaposi's sarcoma virus vGPCR-induced direct and paracrine neoplasia. <b>2008</b> , 27, 1844-52	61
1348	Ras mediates cell survival by regulating tuberin. <b>2008</b> , 27, 2072-83	11
1347	TGFbeta-mediated apoptosis of Burkitt's lymphoma BL41 cells is associated with the relocation of mitochondrial BimEL. <b>2008</b> , 27, 3446-56	5
1346	FLIP and the death effector domain family. 2008, 27, 6216-27	113
1345	Calcium and apoptosis: ER-mitochondria Ca2+ transfer in the control of apoptosis. <b>2008</b> , 27, 6407-18	772
1344	The endoplasmic reticulum in apoptosis and autophagy: role of the BCL-2 protein family. <b>2008</b> , 27, 6419-33	222
1343	BAD: undertaker by night, candyman by day. <b>2008</b> , 27 Suppl 1, S53-70	192
1342	Cardiac reanimation: targeting cardiomyocyte death by BNIP3 and NIX/BNIP3L. 2008, 27 Suppl 1, S158-67	41

1341	Staying alive: apoptosome feedback inhibition. <b>2008</b> , 10, 1387-8	5
1340	5'-Triphosphate-siRNA: turning gene silencing and Rig-I activation against melanoma. <b>2008</b> , 14, 1256-63	307
1339	Real-time imaging of the intracellular glutathione redox potential. <b>2008</b> , 5, 553-9	601
1338	Diagnosing and exploiting cancer's addiction to blocks in apoptosis. <b>2008</b> , 8, 121-32	464
1337	Ca2+ signalling checkpoints in cancer: remodelling Ca2+ for cancer cell proliferation and survival. <b>2008</b> , 8, 361-75	500
1336	The TRAIL apoptotic pathway in cancer onset, progression and therapy. <b>2008</b> , 8, 782-98	690
1335	Cell death and endoplasmic reticulum stress: disease relevance and therapeutic opportunities. <b>2008</b> , 7, 1013-30	1374
1334	Mechanisms of granule-dependent killing. <b>2008</b> , 15, 251-62	166
1333	Big wheel keeps on turning: apoptosome regulation and its role in chemoresistance. <b>2008</b> , 15, 443-52	67
1332	Structural and functional analysis of the interaction between the agonistic monoclonal antibody Apomab and the proapoptotic receptor DR5. <b>2008</b> , 15, 751-61	125
1331	NF-kappaB inhibition reveals differential mechanisms of TNF versus TRAIL-induced apoptosis upstream or at the level of caspase-8 activation independent of cIAP2. <b>2008</b> , 128, 1134-47	54
1330	DNA damage, apoptosis and langerhans cellsActivators of UV-induced immune tolerance. <b>2008</b> , 84, 422-36	82
1329	Nuclear translocation of X-linked inhibitor of apoptosis (XIAP) determines cell fate after hypoxia ischemia in neonatal brain. <b>2008</b> , 106, 1357-70	37
1328	The insulin-like growth factor-I receptor inhibitor NVP-AEW541 provokes cell cycle arrest and apoptosis in multiple myeloma cells. <b>2008</b> , 141, 470-82	33
1327	Abundant anti-apoptotic BCL-2 is a molecular target in leukaemias with t(4;11) translocation. <b>2008</b> , 141, 827-39	38
1326	Platelet activation and apoptosis are different phenomena: evidence from the sequential dynamics and the magnitude of responses during platelet storage. <b>2008</b> , 142, 494-7	54
1325	Having a swell timemitochondrial morphology and plant cell death programmes. 2008, 231, 215-24	20
1324	The complexity of signaling in host-pathogen interactions revealed by the Toxoplasma gondii-dependent modulation of JNK phosphorylation. <b>2008</b> , 314, 3724-36	7

1323	HIV-1 Vpr: mechanisms of G2 arrest and apoptosis. <b>2008</b> , 85, 2-10	86
1322	Expression of HER-2 in MCF-7 breast cancer cells modulates anti-apoptotic proteins Survivin and Bcl-2 via the extracellular signal-related kinase (ERK) and phosphoinositide-3 kinase (PI3K) signalling pathways. <b>2008</b> , 8, 129	81
1321	Construction of a cancer-perturbed protein-protein interaction network for discovery of apoptosis drug targets. <b>2008</b> , 2, 56	69
1320	Reversal of an immunity associated plant cell death program by the growth regulator auxin. <b>2008</b> , 1, 126	18
1319	Activating PTPN11 mutants promote hematopoietic progenitor cell-cycle progression and survival. <b>2008</b> , 36, 1285-96	31
1318	Molecular cloning of novel Monad binding protein containing tetratricopeptide repeat domains. <b>2008</b> , 582, 2365-70	28
1317	Bax inserts into the mitochondrial outer membrane by different mechanisms. <b>2008</b> , 582, 3045-51	37
1316	Induction of apoptosis by cigarette smoke via ROS-dependent endoplasmic reticulum stress and CCAAT/enhancer-binding protein-homologous protein (CHOP). <b>2008</b> , 45, 50-9	150
1315	Self-regulatory role of 4-hydroxynonenal in signaling for stress-induced programmed cell death. <b>2008</b> , 45, 111-8	87
1314	S100A8/9 induces cell death via a novel, RAGE-independent pathway that involves selective release of Smac/DIABLO and Omi/HtrA2. <b>2008</b> , 1783, 297-311	94
1313	Programmed cell death in protists. <b>2008</b> , 1783, 1396-405	91
1312	Programmed cell death in fission yeast Schizosaccharomyces pombe. <b>2008</b> , 1783, 1335-49	18
1311	Retinoic acid induces caspase-8 transcription via phospho-CREB and increases apoptotic responses to death stimuli in neuroblastoma cells. <b>2008</b> , 1783, 1055-67	45
1310	Negative regulation of apoptosis in yeast. <b>2008</b> , 1783, 1303-10	27
1309	Dynamic relocation of nuclear proteins during the execution phase of apoptosis. 2008, 76, 1440-50	10
1308	Apoptosis by dietary agents for prevention and treatment of cancer. <b>2008</b> , 76, 1333-9	78
1307	Anoikis: a necessary death program for anchorage-dependent cells. <b>2008</b> , 76, 1352-64	375
1306	Modulation of anti-apoptotic and survival pathways by curcumin as a strategy to induce apoptosis in cancer cells. <b>2008</b> , 76, 1340-51	256

1305	polymerase (PARP) inhibitor following experimental stroke in rats; is there additional benefit?. <b>2008</b> , 1195, 130-8	18
1304	Neurochemical characterization of tyrosine hydroxylase-immunoreactive interneurons in the developing rat cerebral cortex. <b>2008</b> , 1222, 95-105	19
1303	Anti-proliferative and pro-apoptotic effect of CPT13, a novel camptothecin analog, on human colon cancer HCT8 cell line. <b>2008</b> , 176, 165-72	19
1302	The protozoan toxin climacostol inhibits growth and induces apoptosis of human tumor cell lines. <b>2008</b> , 176, 151-64	37
1301	In vitro effects of noradrenaline on Sydney rock oyster (Saccostrea glomerata) hemocytes. <b>2008</b> , 151, 691-7	21
1300	PKB and the mitochondria: AKTing on apoptosis. <b>2008</b> , 20, 21-30	181
1299	Exposure of any of two proapoptotic domains of presenilin 1-associated protein/mitochondrial carrier homolog 1 on the surface of mitochondria is sufficient for induction of apoptosis in a Bax/Bak-independent manner. <b>2008</b> , 87, 325-34	14
1298	A novel benzotriazole derivative inhibits proliferation of human hepatocarcinoma cells by increasing oxidative stress concomitant mitochondrial damage. <b>2008</b> , 584, 144-52	16
1297	Tournefolic acid B attenuates amyloid beta protein-mediated toxicity by abrogating the calcium overload in mitochondria and retarding the caspase 8-truncated Bid-cytochrome c pathway in rat cortical neurons. <b>2008</b> , 586, 35-43	8
1296	Fly vision: neural mechanisms of motion computation. <b>2008</b> , 18, R339-41	11
1295	Programmed cell death: role for MazF and MrpC in Myxococcus multicellular development. <b>2008</b> , 18, R337-9	12
1294	Death receptors as targets for anti-cancer therapy. <b>2008</b> , 12, 2566-85	49
1293	In vitro and in vivo prevention of human CD8+ CTL-mediated xenocytotoxicity by pig c-FLIP expression in porcine endothelial cells. <b>2008</b> , 8, 288-97	8
1292	Cyclosporine A prevents apoptosis-related mitochondrial dysfunction after neonatal cardioplegic arrest. <b>2008</b> , 135, 123-30, 130.e1-2	44
1291	Implication of caspases and subcellular compartments in tert-butylhydroperoxide induced apoptosis. <b>2008</b> , 229, 65-76	20
1290	The daily job of night killers: alternative roles of the BCL-2 family in organelle physiology. <b>2008</b> , 18, 38-44	77
1289	Apoptosis-induced compensatory proliferation. The Cell is dead. Long live the Cell!. <b>2008</b> , 18, 467-73	215
1288	MicroRNAs as targets for engineering of CHO cell factories. <b>2008</b> , 26, 359-65	60

1287	Candida albicans-macrophage interactions: genomic and proteomic insights. <b>2008</b> , 3, 661-81	11
1286	The mitochondrial death pathway. <b>2008</b> , 615, 25-45	72
1285	Therapeutic targeting of death pathways in cancer: mechanisms for activating cell death in cancer cells. <b>2008</b> , 615, 81-104	35
1284	Dissection of the BCL-2 family signaling network with stabilized alpha-helices of BCL-2 domains. <b>2008</b> , 446, 387-408	43
1283	The C-terminal transmembrane domain of Bcl-xL mediates changes in mitochondrial morphology. <b>2008</b> , 94, 286-97	18
1282	Anti-apoptosis mechanisms in malignant gliomas. <b>2008</b> , 26, 493-500	82
1281	Two-color two-photon excitation using femtosecond laser pulses. <b>2008</b> , 112, 5768-73	18
1280	Cisplatin nephrotoxicity: mechanisms and renoprotective strategies. <b>2008</b> , 73, 994-1007	1183
1279	Bcl-XL-templated assembly of its own protein-protein interaction modulator from fragments decorated with thio acids and sulfonyl azides. <b>2008</b> , 130, 13820-1	60
1278	Nucleases in programmed cell death. 2008, 442, 271-87	24
1278 1277		1
1277		
1277	. 2008,	1
1277 1276	. 2008, Autophagy in freshwater planarians. 2008, 451, 439-65	1
1277 1276 1275	. 2008,  Autophagy in freshwater planarians. 2008, 451, 439-65  Overview of Cardiovascular Aging. 2008, 33-68  Effects of physical exercise on myocardial telomere-regulating proteins, survival pathways, and	1 17
1277 1276 1275	. 2008,  Autophagy in freshwater planarians. 2008, 451, 439-65  Overview of Cardiovascular Aging. 2008, 33-68  Effects of physical exercise on myocardial telomere-regulating proteins, survival pathways, and apoptosis. 2008, 52, 470-82	1 17 169
1277 1276 1275 1274	. 2008,  Autophagy in freshwater planarians. 2008, 451, 439-65  Overview of Cardiovascular Aging. 2008, 33-68  Effects of physical exercise on myocardial telomere-regulating proteins, survival pathways, and apoptosis. 2008, 52, 470-82  Programmed Cell Death in Protozoa. 2008,  Ligand-based targeting of apoptosis in cancer: the potential of recombinant human apoptosis	1 17 169 3

1269	Translational control plays a prominent role in the hepatocytic differentiation of HepaRG liver progenitor cells. <b>2008</b> , 9, R19	30
1268	Vitamin K2-mediated apoptosis in cancer cells: role of mitochondrial transmembrane potential. <b>2008</b> , 78, 211-26	14
1267	Targeted Radionuclide Tumor Therapy. 2008,	9
1266	Involvement of the Bcl2 gene family in the signaling and control of retinal ganglion cell death. <b>2008</b> , 173, 423-35	46
1265	Apoptosis and Cancer. 2008,	1
1264	Hair Cell Regeneration, Repair, and Protection. 2008,	7
1263	Eicosanoids and Resistance of Cancer Cells to Chemotherapeutic Agents. 2008, 133-156	
1262	Sensitization of Cancer Cells for Chemo/Immuno/Radio-therapy. 2008,	2
1261	Centchroman induces G0/G1 arrest and caspase-dependent apoptosis involving mitochondrial membrane depolarization in MCF-7 and MDA MB-231 human breast cancer cells. <b>2008</b> , 82, 577-90	55
1260	Cinnamtannin B-1 as an antioxidant and platelet aggregation inhibitor. <b>2008</b> , 82, 977-82	25
1259	[Fetal membranes: embryological development, structure and the physiopathology of the preterm premature rupture of membranes]. <b>2008</b> , 37, 579-88	8
1258	Cholesterol effects on BAX pore activation. <b>2008</b> , 381, 1168-83	34
1257	JNK1-mediated phosphorylation of Bcl-2 regulates starvation-induced autophagy. 2008, 30, 678-88	1025
1256	Targeting Bcl-2-IP3 receptor interaction to reverse Bcl-2's inhibition of apoptotic calcium signals. <b>2008</b> , 31, 255-65	202
1255	Granzyme H induces apoptosis of target tumor cells characterized by DNA fragmentation and Bid-dependent mitochondrial damage. <b>2008</b> , 45, 1044-55	47
1254	Granzyme K degrades the redox/DNA repair enzyme Ape1 to trigger oxidative stress of target cells leading to cytotoxicity. <b>2008</b> , 45, 2225-35	53
1253	Manganese activates the mitochondrial apoptotic pathway in rat astrocytes by modulating the expression of proteins of the Bcl-2 family. <b>2008</b> , 53, 408-15	51
1252	Neuroprotective effects of berberine on stroke models in vitro and in vivo. <b>2008</b> , 447, 31-6	129

1251	The protection of Bcl-2 overexpression on rat cortical neuronal injury caused by analogous ischemia/reperfusion in vitro. <b>2008</b> , 62, 140-6	19
1250	The herb medicine formula "Yang Wei Kang Liu" improves the survival of late stage gastric cancer patients and induces the apoptosis of human gastric cancer cell line through Fas/Fas ligand and Bax/Bcl-2 pathways. <b>2008</b> , 8, 1196-206	18
1249	Pulsatile pulmonary perfusion during cardiopulmonary bypass reduces the pulmonary inflammatory response. <b>2008</b> , 86, 115-22	47
1248	Apoptosis-suppressing and autophagy-promoting effects of calpain on oridonin-induced L929 cell death. <b>2008</b> , 475, 148-55	53
1247	Molecular pathways of programmed cell death in experimental Parkinson's disease. <b>2008</b> , 14 Suppl 2, S176-9	9
1246	Lytic infection with vaccinia virus activates caspases in a Bcl-2-inhibitable manner. <b>2008</b> , 135, 53-63	5
1245	Apoptosis-associated mitochondrial outer membrane permeabilization assays. 2008, 44, 229-34	27
1244	Getting the measure of apoptosis. <b>2008</b> , 44, 197-9	
1243	Mutant huntingtin and mitochondrial dysfunction. 2008, 31, 609-16	182
1242	Solution structure of the integral human membrane protein VDAC-1 in detergent micelles. <b>2008</b> , 321, 1206-10	548
		548 2
1241	321, 1206-10	
1241	321, 1206-10  Apoptosis and cancer. <b>2008</b> , 103-113	2
1241 1240 1239	Apoptosis and cancer. 2008, 103-113  Changes in brain gene expression during migration in the white-crowned sparrow. 2008, 76, 536-44  Kinetin riboside preferentially induces apoptosis by modulating Bcl-2 family proteins and caspase-3	31
1241 1240 1239	Apoptosis and cancer. 2008, 103-113  Changes in brain gene expression during migration in the white-crowned sparrow. 2008, 76, 536-44  Kinetin riboside preferentially induces apoptosis by modulating Bcl-2 family proteins and caspase-3 in cancer cells. 2008, 261, 37-45	2 31 50
1241 1240 1239 1238	Apoptosis and cancer. 2008, 103-113  Changes in brain gene expression during migration in the white-crowned sparrow. 2008, 76, 536-44  Kinetin riboside preferentially induces apoptosis by modulating Bcl-2 family proteins and caspase-3 in cancer cells. 2008, 261, 37-45  TRAIL and cancer therapy. 2008, 263, 14-25	2 31 50 140
1241 1240 1239 1238	Apoptosis and cancer. 2008, 103-113  Changes in brain gene expression during migration in the white-crowned sparrow. 2008, 76, 536-44  Kinetin riboside preferentially induces apoptosis by modulating Bcl-2 family proteins and caspase-3 in cancer cells. 2008, 261, 37-45  TRAIL and cancer therapy. 2008, 263, 14-25  ZNF23 induces apoptosis in human ovarian cancer cells. 2008, 266, 135-43  2'-Nitroflavone induces cell cycle arrest and apoptosis in HeLa human cervical carcinoma cells. 2008	2 31 50 140

1233	Cardiomyocyte death and renewal in the normal and diseased heart. 2008, 17, 349-74	118
1232	Nuclear localized protein-1 (Nulp1) increases cell death of human osteosarcoma cells and binds the X-linked inhibitor of apoptosis protein. <b>2008</b> , 366, 432-7	7
1231	Simultaneous induction of apoptotic, autophagic, and necrosis-like cell death by monoclonal antibodies recognizing chicken transferrin receptor. <b>2008</b> , 367, 775-81	5
1230	Interplay between bax, reactive oxygen species production, and cardiolipin oxidation during apoptosis. <b>2008</b> , 368, 145-50	68
1229	A novel protein, MUDENG, induces cell death in cytotoxic T cells. 2008, 370, 504-8	14
1228	XIAP regulates intracellular ROS by enhancing antioxidant gene expression. 2008, 375, 156-61	33
1227	[Oocyte and embryo quality: do the apoptotic markers have a place in the preimplantation genetic diagnostic?]. <b>2008</b> , 36, 730-42	5
1226	Temporal evolution of soluble Fas and Fas ligand in patients with orthotopic liver transplantation. <b>2008</b> , 41, 240-3	2
1225	Killing of human melanoma cells induced by activation of class I interferon-regulated signaling pathways via MDA-7/IL-24. <b>2008</b> , 43, 34-44	29
1224	Rheumatoid polyarthritis caused by a defect in DNA degradation. <b>2008</b> , 19, 295-302	13
1223	Molecular cloning and characterization of an inhibitor of apoptosis protein (IAP) from the tiger shrimp, Penaeus monodon. <b>2008</b> , 32, 121-33	68
1222	Penaeus monodon caspase is targeted by a white spot syndrome virus anti-apoptosis protein. <b>2008</b> , 32, 476-86	46
1221	Bcl-2 protein family members: versatile regulators of calcium signaling in cell survival and apoptosis. <b>2008</b> , 70, 73-91	284
1220	Alteration of the mitochondrial apoptotic pathway is key to acquired paclitaxel resistance and can be reversed by ABT-737. <b>2008</b> , 68, 7985-94	104
1219	Inhibition of endoplasmic reticulum stress counteracts neuronal cell death and protein aggregation caused by N-terminal mutant huntingtin proteins. <b>2008</b> , 314, 950-60	124
1218	Multi-target-directed ligands to combat neurodegenerative diseases. <b>2008</b> , 51, 347-72	816
1217	Regulation of programmed cell death by the p53 pathway. <b>2008</b> , 615, 201-21	67
1216	Targeting the apoptotic pathway with BCL-2 inhibitors sensitizes primary chronic lymphocytic leukemia cells to vesicular stomatitis virus-induced oncolysis. <b>2008</b> , 82, 8487-99	42

1215	Inhibition of Rac Induces Hyper-Activation of c-Jun N-Terminal Kinase and Caspase-Dependent Apoptosis. <b>2008</b> , 5, 52-60	2
1214	Molecular design of new inhibitors of peroxidase activity of cytochrome c/cardiolipin complexes: fluorescent oxadiazole-derivatized cardiolipin. <b>2008</b> , 47, 13699-710	24
1213	Variables Involved in Measuring Cancer Response to Treatment. 2008, 3, 13-36	
1212	5-Aza-2'-deoxycytidine restores proapoptotic function of p53 in cancer cells resistant to p53-induced apoptosis. <b>2008</b> , 26, 680-8	8
1211	Bistable Biological Systems: A Characterization Through Local Compact Input-to-State Stability. <b>2008</b> , 53, 87-100	66
1210	Apoptotic and non-apoptotic programmed cardiomyocyte death in ventricular remodelling. <b>2009</b> , 81, 465-73	218
1209	NIX induces mitochondrial autophagy in reticulocytes. <b>2008</b> , 4, 354-6	67
1208	Morphologic observations of new type gosling viral enteritis virus (NGVEV) virulent isolate in infected duck embryo fibroblasts. <b>2008</b> , 52, 173-8	12
1207	Molecular pathogenesis of oral squamous cell carcinoma: implications for therapy. <b>2008</b> , 87, 14-32	332
1206	Apoptosis gene polymorphisms, age, smoking and the risk of non-small cell lung cancer. <b>2008</b> , 29, 2147-52	44
1205	Comparative proteomic analysis of indioside D-triggered cell death in HeLa cells. 2008, 7, 2050-8	9
1204	Effect of Nitration on the Physicochemical and Kinetic Features of Wild-Type and Monotyrosine Mutants of Human Respiratory Cytochrome c□ <b>2008</b> , 47, 12371-12379	44
1203	Beyond Apoptosis. 2008,	3
1202	Apoptosis-inducing galactolipids from a cultured marine diatom, Phaeodactylum tricornutum. <b>2008</b> , 71, 1197-201	44
1201	ERKs/p53 signal transduction pathway is involved in doxorubicin-induced apoptosis in H9c2 cells and cardiomyocytes. <b>2008</b> , 295, H1956-65	190
1200	Discovery of ABT-263, a Bcl-family protein inhibitor: observations on targeting a large protein-protein interaction. <b>2008</b> , 3, 1123-43	44
1199	ADRB3 adrenergic receptor is a key regulator of human myometrial apoptosis and inflammation during chorioamnionitis. <b>2008</b> , 78, 497-505	21
1198	Loss of the BH3-only protein Bmf impairs B cell homeostasis and accelerates gamma irradiation-induced thymic lymphoma development. <b>2008</b> , 205, 641-55	105

1197	Inhibition of apoptosis in Cryptosporidium parvum-infected intestinal epithelial cells is dependent on survivin. <b>2008</b> , 76, 3784-92	30
1196	A genetic screen identifies new regulators of steroid-triggered programmed cell death in Drosophila. <b>2008</b> , 180, 269-81	24
1195	Tat-induced FOXO3a is a key mediator of apoptosis in HIV-1-infected human CD4+ T lymphocytes. <b>2008</b> , 181, 8460-77	45
1194	Apoptotic signals induce specific degradation of ribosomal RNA in yeast. <b>2008</b> , 36, 2874-88	52
1193	A TR3/Nur77 peptide-based high-throughput fluorescence polarization screen for small molecule Bcl-B inhibitors. <b>2008</b> , 13, 665-73	9
1192	Death receptors and caspases but not mitochondria are activated in the GDNF- or BDNF-deprived dopaminergic neurons. <b>2008</b> , 28, 7467-75	32
1191	14-3-3 zeta down-regulates p53 in mammary epithelial cells and confers luminal filling. 2008, 68, 1760-7	77
1190	Cysteine cathepsins trigger caspase-dependent cell death through cleavage of bid and antiapoptotic Bcl-2 homologues. <b>2008</b> , 283, 19140-50	277
1189	Noninvasive imaging of apoptosis and its application in cancer therapeutics. 2008, 14, 2492-501	72
1188	Human rhomboid family-1 gene silencing causes apoptosis or autophagy to epithelial cancer cells and inhibits xenograft tumor growth. <b>2008</b> , 7, 1355-64	73
1187	Prevention of Oxidative Stress-Induced Retinal Pigment Epithelial Cell Death by the PPARgamma Agonists, 15-Deoxy-Delta 12, 14-Prostaglandin J(2). <b>2008</b> , 2008, 720163	17
1186	ABT-263: a potent and orally bioavailable Bcl-2 family inhibitor. <b>2008</b> , 68, 3421-8	1385
1185	Development of a bidirectional caspase-3 expression system for the induction of apoptosis. <b>2008</b> , 7, 945-54	7
1184	p66Shc, oxidative stress and aging: importing a lifespan determinant into mitochondria. <b>2008</b> , 7, 304-8	71
1183	Controlling the cell death mediators Bax and Bak: puzzles and conundrums. 2008, 7, 39-44	52
1182	Arabidopsis Bax inhibitor-1: A rheostat for ER stress-induced programmed cell death. <b>2008</b> , 3, 564-6	19
1181	DNA damage response and apoptosis. <b>2008</b> , 446, 107-22	82
1180	Neuronal death after peripheral nerve injury and experimental strategies for neuroprotection. <b>2008</b> , 30, 999-1011	69

1179	Apoptosis in pulmonary fibrosis: too much or not enough?. <b>2008</b> , 10, 379-85	47
1178	The effect of the proteasome inhibitor bortezomib on acute myeloid leukemia cells and drug resistance associated with the CD34+ immature phenotype. <b>2008</b> , 93, 57-66	50
1177	Protein tyrosine phosphatase-H2 from a polydnavirus induces apoptosis of insect cells. <b>2008</b> , 89, 1411-1420	37
1176	Small-molecule inhibitors of Bcl-2 family proteins are able to induce tumor regression in a mouse model of pre-B-cell acute lymphocytic lymphoma. <b>2008</b> , 27, 133-42	3
1175	Ultraviolet-C-induced apoptosis protected by 635-nm laser irradiation in human gingival fibroblasts. <b>2008</b> , 26, 215-20	9
1174	Caspase-dependent and -independent lipotoxic cell-death pathways in fission yeast. <b>2008</b> , 121, 2671-84	36
1173	Bcl-2 family members: Dual regulators of apoptosis and autophagy. <b>2008</b> , 4, 600-606	656
1172	Evaluating cytochrome c diffusion in the intermembrane spaces of mitochondria during cytochrome c release. <b>2008</b> , 121, 618-26	17
1171	Chelerythrine induces apoptosis through a Bax/Bak-independent mitochondrial mechanism. <b>2008</b> , 283, 8423-33	46
1170	Ex vivo rapamycin generates apoptosis-resistant donor Th2 cells that persist in vivo and prevent hemopoietic stem cell graft rejection. <b>2008</b> , 180, 89-105	31
1169	MCL-1 inhibits BAX in the absence of MCL-1/BAX Interaction. 2008, 283, 6384-92	37
1168	Mitochondrial localization of Reaper to promote inhibitors of apoptosis protein degradation conferred by GH3 domain-lipid interactions. <b>2008</b> , 283, 367-379	27
1167	Superoxide-mediated proteasomal degradation of Bcl-2 determines cell susceptibility to Cr(VI)-induced apoptosis. <b>2008</b> , 29, 1538-45	46
1166	Mechanisms of murine lacrimal gland repair after experimentally induced inflammation. 2008, 49, 4399-406	71
1165	Dissection of the carboxyl-terminal domain of the proteasomal subunit Rpn11 in maintenance of mitochondrial structure and function. <b>2008</b> , 19, 1022-31	33
1164	A critical role for the proapoptotic protein bid in ultraviolet-induced immune suppression and cutaneous apoptosis. <b>2008</b> , 181, 3077-88	20
1163	Characterization of beta-N-acetylglucosaminidase cleavage by caspase-3 during apoptosis. <b>2008</b> , 283, 23557-66	79
1162	Regulation of lymphocyte progenitor survival by the proapoptotic activities of Bim and Bid. <b>2008</b> , 105, 20840-5	33

1161	through anoikis activation. <b>2008</b> , 105, 162-7	125
1160	Caspase inhibitor infusion protects an avian song control circuit from seasonal-like neurodegeneration. <b>2008</b> , 28, 7130-6	22
1159	Cytolethal distending toxin induces caspase-dependent and -independent cell death in MOLT-4 cells. <b>2008</b> , 76, 4783-91	24
1158	Dynamics of RASSF1A/MOAP-1 association with death receptors. <b>2008</b> , 28, 4520-35	66
1157	Fhit interaction with ferredoxin reductase triggers generation of reactive oxygen species and apoptosis of cancer cells. <b>2008</b> , 283, 13736-44	55
1156	N-(2,6-dimethoxypyridine-3-yl)-9-methylcarbazole-3-sulfonamide as a novel tubulin ligand against human cancer. <b>2008</b> , 14, 6218-27	29
1155	Neutrophil granulocytes uniquely express, among human blood cells, high levels of Methionine-sulfoxide-reductase enzymes. <b>2008</b> , 83, 181-9	21
1154	Cell death by necrosis, a regulated way to go. <b>2008</b> , 8, 187-206	70
1153	Role of insulin receptor and balance in insulin receptor isoforms A and B in regulation of apoptosis in simian virus 40-immortalized neonatal hepatocytes. <b>2008</b> , 19, 1185-98	14
1152	Unravelling the bcl-2 apoptosis code with a simple model system. <b>2008</b> , 6, e154	22
1151	Toll-like receptor-4 deficiency attenuates doxorubicin-induced cardiomyopathy in mice. 2008, 10, 233-43	111
1150	Effects of short-term GH supplementation and treadmill exercise training on physical performance and skeletal muscle apoptosis in old rats. <b>2008</b> , 294, R558-67	57
1149	The alpha1D-adrenergic receptor induces vascular smooth muscle apoptosis via a p53-dependent mechanism. <b>2008</b> , 74, 1000-7	16
1148	Apoptosis and tumor resistance conferred by Par-4. <b>2008</b> , 7, 1867-74	45
1147	The stress rheostat: an interplay between the unfolded protein response (UPR) and autophagy in neurodegeneration. <b>2008</b> , 8, 157-72	113
1146	Principles of Molecular Oncology. 2008,	1
1145	Thalidomide induces limb anomalies by PTEN stabilization, Akt suppression, and stimulation of caspase-dependent cell death. <b>2008</b> , 28, 529-38	68
1144	Acute lung injury and cell death: how many ways can cells die?. <b>2008</b> , 294, L632-41	169

1143	Current trends in multiple myeloma management. <b>2008</b> , 36, 371-86	3
1142	PINCH-1 regulates the ERK-Bim pathway and contributes to apoptosis resistance in cancer cells. <b>2008</b> , 283, 2508-17	60
1141	Unique biology of Mcl-1: therapeutic opportunities in cancer. <b>2008</b> , 8, 138-47	155
1140	Effects of targeted Bcl-2 expression in mitochondria or endoplasmic reticulum on renal tubular cell apoptosis. <b>2008</b> , 294, F499-507	33
1139	Oncogene AF1q enhances doxorubicin-induced apoptosis through BAD-mediated mitochondrial apoptotic pathway. <b>2008</b> , 7, 3160-8	20
1138	Fish and apoptosis: molecules and pathways. <b>2008</b> , 14, 148-69	48
1137	Altered detoxification status and increased resistance to oxidative stress by K-ras transformation. <b>2008</b> , 68, 10086-93	42
1136	Participation of Omi Htra2 serine-protease activity in the apoptosis induced by cisplatin on SW480 colon cancer cells. <b>2008</b> , 20, 348-54	44
1135	Gefitinib induction of in vivo detectable signals by Bcl-2/Bcl-xL modulation of inositol trisphosphate receptor type 3. <b>2008</b> , 14, 5209-19	22
1134	Poly (ADP-ribose) polymerase activity regulates apoptosis in HeLa cells after alkylating DNA damage. <b>2008</b> , 7, 934-41	9
1133	A novel Bim-BH3-derived Bcl-XL inhibitor: biochemical characterization, in vitro, in vivo and ex-vivo anti-leukemic activity. <b>2008</b> , 7, 3211-24	28
1132	A Constructivist Approach to Inquiry-Based Learning: A TUNEL Assay for the Detection of Apoptosis in Cheek Cells. <b>2008</b> , 70, 457-460	5
1131	Acquired resistance to rituximab is associated with chemotherapy resistance resulting from decreased Bax and Bak expression. <b>2008</b> , 14, 1550-60	90
1130	Evolutionary origins of human apoptosis and genome-stability gene networks. <b>2008</b> , 36, 6269-83	14
1129	Capitalizing on the immunogenicity of dying tumor cells. <b>2008</b> , 14, 1603-8	44
1128	C. elegans SIR-2.1 translocation is linked to a proapoptotic pathway parallel to cep-1/p53 during DNA damage-induced apoptosis. <b>2008</b> , 22, 2831-42	56
1127	Identification of a novel protein MICS1 that is involved in maintenance of mitochondrial morphology and apoptotic release of cytochrome c. <b>2008</b> , 19, 2597-608	51
1126	Bortezomib induces apoptosis via Bim and Bik up-regulation and synergizes with cisplatin in the killing of head and neck squamous cell carcinoma cells. <b>2008</b> , 7, 1647-55	64

1125	Structures of the cIAP2 RING domain reveal conformational changes associated with ubiquitin-conjugating enzyme (E2) recruitment. <b>2008</b> , 283, 31633-40	134
1124	99mTc-MIBI in the Evaluation of Breast Cancer Biology. <b>2008</b> , 71-81	
1123	GRIM-19 is essential for maintenance of mitochondrial membrane potential. <b>2008</b> , 19, 1893-902	67
1122	Nonapoptotic death of Saccharomyces cerevisiae cells that is stimulated by Hsp90 and inhibited by calcineurin and Cmk2 in response to endoplasmic reticulum stresses. <b>2008</b> , 7, 2037-51	41
1121	An essential role for MCL-1 in ATR-mediated CHK1 phosphorylation. 2008, 19, 3212-20	55
1120	Inhibition of apoptosome formation by suppression of Hsp90beta phosphorylation in tyrosine kinase-induced leukemias. <b>2008</b> , 28, 5494-506	72
1119	Neuronal injury in rat model of permanent focal cerebral ischemia is associated with activation of autophagic and lysosomal pathways. <b>2008</b> , 4, 762-9	319
1118	What makes a dead cell attractive?. <b>2008</b> , 104, 573-4	
1117	Different modes of programmed cell death during oogenesis of the silkmoth Bombyx mori. <b>2008</b> , 4, 97-100	20
1116	ARC (apoptosis repressor with caspase recruitment domain) is a novel marker of human colon cancer. <b>2008</b> , 7, 1640-7	47
1115	A phase II Study of Gefitinib in Patients with Advanced Thyroid Cancer. 2008, 2008, 145-147	1
1114	Bcl-2 Overexpression in Thyroid Carcinoma Cells Increases Sensitivity to Bcl-2 Homology 3 Domain Inhibition. <b>2008</b> , 2008, 144-145	
1113	Proteomic analysis of apoptosis induced by xanthoangelol, a major constituent of Angelica keiskei, in neuroblastoma. <b>2008</b> , 31, 618-26	33
1112	Molecular mechanisms underlying the transition of cardiac hypertrophy to heart failure. <b>2008</b> , 72 Suppl A, A13-6	77
1111	Sodium salicylate switches glucose depletion-induced necrosis to autophagy and inhibits high mobility group box protein 1 release in A549 lung adenocarcinoma cells. <b>2008</b> ,	1
1110	The Akt/Mcl-1 pathway plays a prominent role in mediating antiapoptotic signals downstream of the B-cell receptor in chronic lymphocytic leukemia B cells. <b>2008</b> , 111, 846-55	254
1109	BCL-2 dependence and ABT-737 sensitivity in acute lymphoblastic leukemia. <b>2008</b> , 111, 2300-9	184
1108	Lentiviral (HIV)-based RNA interference screen in human B-cell receptor regulatory networks reveals MCL1-induced oncogenic pathways. <b>2008</b> , 111, 1665-76	16

1107	BH3-only proteins Noxa, Bmf, and Bim are necessary for arsenic trioxide-induced cell death in myeloma. <b>2008</b> , 111, 5152-62	68
1106	The kinase inhibitor dasatinib induces apoptosis in chronic lymphocytic leukemia cells in vitro with preference for a subgroup of patients with unmutated IgVH genes. <b>2008</b> , 112, 1443-52	90
1105	The BH3-only mimetic ABT-737 synergizes the antineoplastic activity of proteasome inhibitors in lymphoid malignancies. <b>2008</b> , 112, 2906-16	115
1104	The inhibition of apoptosis by glycyrrhizin in hepatic injury induced by injection of lipopolysaccharide / D-galactosamine in mice. <b>2008</b> , 71, 163-78	21
1103	Antiapoptotic mechanisms of Chinese medicine formula, Guan-Xin-Er-Hao, in the rat ischemic heart. <b>2008</b> , 216, 309-16	13
1102	Multiple functions of mitochondria-shaping proteins. <b>2007</b> , 287, 47-55; discussion 55-9	22
1101	Programmed Cell Death in Cancer Progression and Therapy. 2008,	3
1100	Mitotic catastrophe induced in HeLa cells by photodynamic treatment with Zn(II)-phthalocyanine. <b>2008</b> ,	
1099	Introduction: immunity, diagnosis, vector, and beneficial uses of neurotropic viruses. 263-264	
1098	Innate immunity in viral encephalitis. 265-291	
1097	Increased Expression of Endonuclease G in Gastric and Colorectal Carcinomas. 2008, 94, 351-355	5
1096	Therapeutic targeting of apoptosis pathways in cancer. <b>2008</b> , 20, 97-103	66
1095	Induction of apoptosis by anti-CD44 antibody in human chondrosarcoma cell line SW1353. <b>2008</b> , 29, 47-52	12
1094	Induction of tumor cell apoptosis by a novel class of N-thiolated flactam antibiotics with structural modifications at N1 and C3 of the lactam ring. <b>2008</b> ,	1
1093	Attenuation of vision loss and delay in apoptosis of photoreceptors induced by proinsulin in a mouse model of retinitis pigmentosa. <b>2008</b> , 49, 4188-94	42
1092	Programmed cell death in lymphocytes. <b>2008</b> , 225-234	
1091	Targeting Cancer Cells by an Oxidant-Based Therapy. <b>2008</b> , 1, 80-92	24
1090	Surface expression of Bcl-2 in chronic lymphocytic leukemia and other B-cell leukemias and lymphomas without a breakpoint t(14;18). <b>2008</b> , 14, 618-27	11

1089 BAK. **2008**,

1088 Small-molecule Bcl-2 antagonists as targeted therapy in oncology. <b>2008</b> , 15, 256-61	14
Possible role for external environmental stimuli in nasopharyngeal NK/T-cell lymphomas in the northeast of China with EBV infection-related autophagic cell death: a pathoepidemiological analysis. <b>2009</b> , 49, 97-108	7
1086 APOPTOSIS, OXIDATIVE STRESS AND NEUROLOGICAL DISEASE. <b>2009</b> , 1,	
1085 APOPTOSIS, OXIDATIVE STRESS AND NEUROLOGICAL DISEASE. <b>2009</b> , 1, 40	2
1084 . 2009,	32
Eszopiclone prevents excitotoxicity and neurodegeneration in the hippocampus induced by experimental apnea. <b>2009</b> , 32, 1593-601	7
$_{f 1082}$ Methods for qualitative analysis of genetic networks. <b>2009</b> ,	25
$_{1081}$ Apoptosis in Drosophila: compensatory proliferation and undead cells. <b>2009</b> , 53, 1341-7	107
Effects of red light emitting diode on apoptosis of HeLa cells and suppression of implanted HeLa cells growth in mice. <b>2009</b> , 50, 109-17	7
Dysregulation of the cell survival/anti-apoptotic NF-kappaB pathway by the novel humanized BM-ca anti-CD20 mAb: implication in chemosensitization. <b>2009</b> , 35, 1289-96	9
$_{ m 1078}$ Oscillations of the p53-Akt network: implications on cell survival and death. <b>2009</b> , 4, e4407	56
Catastrophic NAD+ depletion in activated T lymphocytes through Nampt inhibition reduces demyelination and disability in EAE. <b>2009</b> , 4, e7897	119
Differential scanning fluorimetry as secondary screening platform for small molecule inhibitors of Bcl-XL. <b>2009</b> , 8, 3943-52	23
Atorvastatin mediates increases in intralesional BAX and BAK expression in human end-stage abdominal aortic aneurysms. <b>2009</b> , 87, 915-22	8
1074 The TRAIL to targeted therapy of breast cancer. <b>2009</b> , 103, 43-73	60
1073 Cellular Respiration and Carcinogenesis. 2009,	
Synaptic activity-mediated suppression of p53 and induction of nuclear calcium-regulated neuroprotective genes promote survival through inhibition of mitochondrial permeability transition. <b>2009</b> , 29, 4420-9	<sub>5</sub> 8

1071	Inhibitors of cellular signalling are cytotoxic or block the budded-to-hyphal transition in the pathogenic yeast Candida albicans. <b>2009</b> , 58, 779-790	27
1070	Pretreatment with statin attenuates the cardiotoxicity of Doxorubicin in mice. <b>2009</b> , 69, 695-9	144
1069	A new model for the transition of APAF-1 from inactive monomer to caspase-activating apoptosome. <b>2009</b> , 284, 32717-24	50
1068	Targeting of Apoptosis Signaling Pathways and Their Mediators for Cancer Therapy. <b>2009</b> , 149-188	2
1067	Proinflammatory cytokines activate the intrinsic apoptotic pathway in beta-cells. 2009, 58, 1807-15	162
1066	Vesicular stomatitis virus induces apoptosis primarily through Bak rather than Bax by inactivating Mcl-1 and Bcl-XL. <b>2009</b> , 83, 9102-12	39
1065	Identification of novel in vivo phosphorylation sites of the human proapoptotic protein BAD: pore-forming activity of BAD is regulated by phosphorylation. <b>2009</b> , 284, 28004-28020	39
1064	Mitochondrial hexokinase II promotes neuronal survival and acts downstream of glycogen synthase kinase-3. <b>2009</b> , 284, 3001-3011	47
1063	Elevation of glutamine level by selenophosphate synthetase 1 knockdown induces megamitochondrial formation in Drosophila cells. <b>2009</b> , 284, 32881-94	26
1062	Prostaglandin E(2) induces fibroblast apoptosis by modulating multiple survival pathways. <b>2009</b> , 23, 4317-26	109
	Prostaglandin E(2) induces fibroblast apoptosis by modulating multiple survival pathways. <b>2009</b> , 23, 4317-26  Mechanism of procaspase-8 activation by c-FLIPL. <b>2009</b> , 106, 8169-74	109
1061		
1061	Mechanism of procaspase-8 activation by c-FLIPL. <b>2009</b> , 106, 8169-74	110
1061 1060 1059	Mechanism of procaspase-8 activation by c-FLIPL. <b>2009</b> , 106, 8169-74  Control of mitochondrial apoptosis by the Bcl-2 family. <b>2009</b> , 122, 437-41  The p53-cathepsin axis cooperates with ROS to activate programmed necrotic death upon DNA	110
1061 1060 1059	Mechanism of procaspase-8 activation by c-FLIPL. <b>2009</b> , 106, 8169-74  Control of mitochondrial apoptosis by the Bcl-2 family. <b>2009</b> , 122, 437-41  The p53-cathepsin axis cooperates with ROS to activate programmed necrotic death upon DNA damage. <b>2009</b> , 106, 1093-8	110 681 89
1061 1060 1059 1058	Mechanism of procaspase-8 activation by c-FLIPL. 2009, 106, 8169-74  Control of mitochondrial apoptosis by the Bcl-2 family. 2009, 122, 437-41  The p53-cathepsin axis cooperates with ROS to activate programmed necrotic death upon DNA damage. 2009, 106, 1093-8  A tumor suppressor function for caspase-2. 2009, 106, 5336-41	110 681 89
1061 1060 1059 1058	Mechanism of procaspase-8 activation by c-FLIPL. 2009, 106, 8169-74  Control of mitochondrial apoptosis by the Bcl-2 family. 2009, 122, 437-41  The p53-cathepsin axis cooperates with ROS to activate programmed necrotic death upon DNA damage. 2009, 106, 1093-8  A tumor suppressor function for caspase-2. 2009, 106, 5336-41  Involvement of glycoreceptors in galactoxylomannan-induced T cell death. 2009, 182, 6003-10  Mcl-1-mediated impairment of the intrinsic apoptosis pathway in circulating neutrophils from	110 681 89 129

#### (2009-2009)

1053	Inhibition of Akt sensitises neuroblastoma cells to gold(III) porphyrin 1a, a novel antitumour drug induced apoptosis and growth inhibition. <b>2009</b> , 101, 342-9	25
1052	Mitochondrial networking protects beta-cells from nutrient-induced apoptosis. <b>2009</b> , 58, 2303-15	266
1051	HIP1R interacts with a member of Bcl-2 family, BCL2L10, and induces BAK-dependent cell death. <b>2009</b> , 23, 43-52	22
1050	MiR-125b expression affects the proliferation and apoptosis of human glioma cells by targeting Bmf. <b>2009</b> , 23, 347-58	141
1049	The p53-induced Siva-1 plays a significant role in cisplatin-mediated apoptosis. <b>2009</b> , 8, 2	12
1048	The Bax/Bak ortholog in Drosophila, Debcl, exerts limited control over programmed cell death. <b>2009</b> , 136, 275-83	42
1047	Programmed necrotic cell death induced by complement involves a Bid-dependent pathway. <b>2009</b> , 182, 515-21	29
1046	Antitumor effects of dehydroxymethylepoxyquinomicin, a novel nuclear factor-kappaB inhibitor, in human liver cancer cells are mediated through a reactive oxygen species-dependent mechanism. <b>2009</b> , 76, 290-300	43
1045	Virion-associated Vpr of human immunodeficiency virus type 1 triggers activation of apoptotic events and enhances fas-induced apoptosis in human T cells. <b>2009</b> , 83, 11283-97	23
1044	Photodynamic Therapy of New Amphiphilic Phthalocyanine Zinc Inhibits the Proliferation of Human Hepatoma Bel-7402 Cells through the Induction of Apoptosis. <b>2009</b> ,	1
1043	Galectin-1 induces reversible phosphatidylserine exposure at the plasma membrane. <b>2009</b> , 20, 1408-18	76
1042	Induction of proapoptotic gene expression and recruitment of p53 herald ovarian follicle loss caused by polycyclic aromatic hydrocarbons. <b>2009</b> , 16, 347-56	28
1041	Darinaparsin induces a unique cellular response and is active in an arsenic trioxide-resistant myeloma cell line. <b>2009</b> , 8, 1197-206	46
1040	Determinism and divergence of apoptosis susceptibility in mammalian cells. <b>2009</b> , 122, 4296-302	25
1039	Nuclear import is required for the pro-apoptotic function of the Golgi protein p115. <b>2009</b> , 284, 1709-17	25
1038	PUMA promotes Bax translocation by both directly interacting with Bax and by competitive binding to Bcl-X L during UV-induced apoptosis. <b>2009</b> , 20, 3077-87	65
1037	Resistance to chemotherapy and hormone therapy in endometrial cancer. <b>2009</b> , 16, 363-80	85
1036	MCL-1-dependent leukemia cells are more sensitive to chemotherapy than BCL-2-dependent counterparts. <b>2009</b> , 187, 429-42	76

1035	RACK1 downregulates levels of the pro-apoptotic protein Fem1b in apoptosis-resistant colon cancer cells. <b>2009</b> , 8, 2297-305	25
1034	3,3'-diindolylmethane enhances the efficacy of butyrate in colon cancer prevention through down-regulation of survivin. <b>2009</b> , 2, 581-9	60
1033	Bcl-2 modulation to activate apoptosis in prostate cancer. <b>2009</b> , 7, 1487-96	39
1032	Velcade sensitizes prostate cancer cells to TRAIL induced apoptosis and suppresses tumor growth in vivo. <b>2009</b> , 8, 73-80	17
1031	Insulin withdrawal-induced cell death in adult hippocampal neural stem cells as a model of autophagic cell death. <b>2009</b> , 5, 277-9	33
1030	Peritumoral administration of granulocyte colony-stimulating factor induces an apoptotic response on a murine mammary adenocarcinoma. <b>2009</b> , 8, 1737-43	2
1029	Genomic sequence matters: A SNP in microRNA-146a can turn anti-apoptotic. <b>2009</b> , 8, 1641-1644	21
1028	The antibacterial substance taurolidine exhibits anti-neoplastic action based on a mixed type of programmed cell death. <b>2009</b> , 5, 194-210	20
1027	Apoptosis of B-cell chronic lymphocytic leukemia cells induced by a novel BH3 peptidomimetic. <b>2009</b> , 8, 263-71	17
1026	Molecular imaging of apoptosis in vivo with scintigraphic and optical biomarkersa status report. <b>2009</b> , 9, 968-85	20
1025	HtrA serine proteases as potential therapeutic targets in cancer. <b>2009</b> , 9, 451-68	96
1024	Structure-function relationship of Vpr: biological implications. <b>2009</b> , 7, 184-210	36
1023	Neutrophil apoptosis by Fas/FasL: harmful or advantageous in cardiac surgery?. 2009, 57, 1-6	10
1022	Targeting death-receptors in radiation therapy. <b>2009</b> , 49, 219-39	8
1021	Modular protein engineering in emerging cancer therapies. <b>2009</b> , 15, 893-916	31
1020	Prognostic relevance of metabolic approach in patients with heart failure. <b>2009</b> , 15, 883-92	8
1019	Effects of the levonorgestrel-releasing intrauterine system on cell proliferation, Fas expression and steroid receptors in endometriosis lesions and normal endometrium. <b>2009</b> , 24, 2736-45	40
1018	Pertinence of apoptosis markers for the improvement of in vitro fertilization (IVF). <b>2009</b> , 16, 1905-16	26

10	17	From biochemical principles of apoptosis induction by TRAIL to application in tumour therapy. <b>2009</b> , 49, 115-43	3	
10	16	Emerging apoptosis agonists for bladder cancer. <b>2009</b> , 14, 607-18	4	
10:	15	Assembly of the mitochondrial apoptosis-induced channel, MAC. <b>2009</b> , 284, 12235-45	88	
10	14	Viral Bcl-2-mediated evasion of autophagy aids chronic infection of gammaherpesvirus 68. <b>2009</b> , 5, e1000609	70	
10:	13	Improving insulin sensitivity via activation of PPAR-gamma increases telomerase activity in the heart of OLETF rats. <b>2009</b> , 297, H2188-95	37	
10:	12	Helicobacter pylori counteracts the apoptotic action of its VacA toxin by injecting the CagA protein into gastric epithelial cells. <b>2009</b> , 5, e1000603	103	
10:	11	Mitogen-activated protein kinase signaling in male germ cell apoptosis in the rat. 2009, 80, 771-80	40	
10	10	Cell survival and polarity of Drosophila follicle cells require the activity of ecdysone receptor B1 isoform. <b>2009</b> , 181, 165-75	30	
10	09	Endoplasmic reticulum stress induces autophagy in renal proximal tubular cells. <b>2009</b> , 24, 2665-72	87	
10	08	Cell and molecular biology of the novel protein tyrosine-phosphatase-interacting protein 51. <b>2009</b> , 275, 183-246	24	
10	07	A paradoxical protective role for the proinflammatory peptide substance P receptor (NK1R) in acute hyperoxic lung injury. <b>2009</b> , 297, L687-97	13	
10	06	Bcl-2 family on guard at the ER. <b>2009</b> , 296, C941-53	207	
10	05	Cisplatin-induced apoptosis in p53-deficient renal cells via the intrinsic mitochondrial pathway. <b>2009</b> , 296, F983-93	77	
10	04	Bax Inhibitor-1, a conserved cell death suppressor, is a key molecular switch downstream from a variety of biotic and abiotic stress signals in plants. <b>2009</b> , 10, 3149-67	70	
10	03	Tumor suppressor effect of follistatin-like 1 in ovarian and endometrial carcinogenesis: a differential expression and functional analysis. <b>2009</b> , 30, 114-21	80	
10	02	Biochemical and mechanical dysfunction in a mouse model of desmin-related myopathy. <b>2009</b> , 104, 1021-8	42	
10	01	Nucleosome binding proteins potentiate ATM activation and DNA damage response by modifying chromatin. <b>2009</b> , 8, 1641	22	
10	00	Apoptotic signaling activated by modulation of the F0F1-ATPase: implications for selective killing of autoimmune lymphocytes. <b>2009</b> , 331, 437-44	9	

999	A double hit to kill tumor and endothelial cells by TRAIL and antiangiogenic 3TSR. 2009, 69, 3856-65	38
998	ABT-737 synergizes with chemotherapy to kill head and neck squamous cell carcinoma cells via a Noxa-mediated pathway. <b>2009</b> , 75, 1231-9	55
997	Transcriptomic response of sea urchin larvae Strongylocentrotus purpuratus to CO2-driven seawater acidification. <b>2009</b> , 212, 2579-94	211
996	The cell death-inducing activity of the peptide containing Noxa mitochondrial-targeting domain is associated with calcium release. <b>2009</b> , 69, 8356-65	26
995	c-Jun NH2-terminal kinase activation is essential for DRAM-dependent induction of autophagy and apoptosis in 2-methoxyestradiol-treated Ewing sarcoma cells. <b>2009</b> , 69, 6924-31	61
994	The proapoptotic dp5 gene is a direct target of the MLK-JNK-c-Jun pathway in sympathetic neurons. <b>2009</b> , 37, 3044-60	27
993	Sensitization by 5-azacytidine toward death receptor-induced hepatic apoptosis. <b>2009</b> , 328, 107-15	7
992	Lysosomes as "suicide bags" in cell death: myth or reality?. 2009, 284, 21783-21787	209
991	TW-37, a small-molecule inhibitor of Bcl-2, mediates S-phase cell cycle arrest and suppresses head and neck tumor angiogenesis. <b>2009</b> , 8, 893-903	45
990	Cardioprotective effects of benazepril, an angiotensin-converting enzyme inhibitor, in an ischaemia-reperfusion model of myocardial infarction in rats. <b>2009</b> , 10, 201-9	9
989	6-mercaptopurine (6-MP) induces p53-mediated apoptosis of neural progenitor cells in the developing fetal rodent brain. <b>2009</b> , 31, 198-202	8
988	Prothymosin alpha and cell death mode switch, a novel target for the prevention of cerebral ischemia-induced damage. <b>2009</b> , 123, 323-33	29
987	Bioinformatics analyses of the mannose-binding lectins from Polygonatum cyrtonema, Ophiopogon japonicus and Liparis noversa with antiproliferative and apoptosis-inducing activities. <b>2009</b> , 16, 601-8	35
986	N,N-dimethyl phytosphingosine induces caspase-8-dependent cytochrome c release and apoptosis through ROS generation in human leukemia cells. <b>2009</b> , 239, 87-97	52
985	Changes in IL-15 expression and death-receptor apoptotic signaling in rat gastrocnemius muscle with aging and life-long calorie restriction. <b>2009</b> , 130, 272-80	85
984	Activation of the steroid and xenobiotic receptor, SXR, induces apoptosis in breast cancer cells. <b>2009</b> , 9, 3	52
983	Cultures of HEp-2 cells persistently infected by human respiratory syncytial virus differ in chemokine expression and resistance to apoptosis as compared to lytic infections of the same cell type. <b>2009</b> , 388, 31-41	20
982	TRIM39 is a MOAP-1-binding protein that stabilizes MOAP-1 through inhibition of its poly-ubiquitination process. <b>2009</b> , 315, 1313-25	39

# (2009-2009)

981	Prosurvival Bcl-2 proteins stabilize pancreatic mitochondria and protect against necrosis in experimental pancreatitis. <b>2009</b> , 315, 1975-89	59
980	PKCeta confers protection against apoptosis by inhibiting the pro-apoptotic JNK activity in MCF-7 cells. <b>2009</b> , 315, 2616-23	31
979	Chemotherapy drug response in ovarian cancer cells strictly depends on a cathepsin D-Bax activation loop. <b>2009</b> , 13, 1096-109	20
978	Molecular events and signalling pathways involved in skeletal muscle disuse-induced atrophy and the impact of countermeasures. <b>2009</b> , 13, 3032-50	61
977	Dynamics of mitochondrial structure during apoptosis and the enigma of Opa1. 2009, 1787, 963-72	44
976	Postconditioning induces an anti-apoptotic effect and preserves mitochondrial integrity in isolated rat hearts. <b>2009</b> , 1787, 794-801	57
975	Erythropoietin-induced phosphorylation/degradation of BIM contributes to survival of erythroid cells. <b>2009</b> , 37, 151-8	23
974	Leishmania mexicana: inhibition of camptothecin-induced apoptosis of monocyte-derived dendritic cells. <b>2009</b> , 121, 199-207	24
973	Mitochondria and reactive oxygen species. <b>2009</b> , 47, 333-43	764
972	Apoptogenic effect of 7,8-diacetoxy-4-methylcoumarin and 7,8-diacetoxy-4-methylthiocoumarin in human lung adenocarcinoma cell line: role of NF-kappaB, Akt, ROS and MAP kinase pathway. <b>2009</b> , 179, 363-74	45
971	Cellular and nuclear degradation during apoptosis. <b>2009</b> , 21, 900-12	82
970	Mitochondrial cell death effectors. <b>2009</b> , 21, 871-7	303
969	Salidroside protects cardiomyocyte against hypoxia-induced death: a HIF-1alpha-activated and VEGF-mediated pathway. <b>2009</b> , 607, 6-14	115
968	Extracellular matrix modulates sensitivity of hepatocytes to fibroblastoid dedifferentiation and transforming growth factor beta-induced apoptosis. <b>2009</b> , 49, 2031-43	168
967	Cytokeratin-18 fragment levels as noninvasive biomarkers for nonalcoholic steatohepatitis: a multicenter validation study. <b>2009</b> , 50, 1072-8	476
966	In vitro induction of apoptosis and in vivo effects of a flavone nitroderivative in murine mammary adenocarcinoma cells. <b>2009</b> , 125, 222-8	3
965	Targeting AKT with the proapoptotic peptide, TAT-CTMP: a novel strategy for the treatment of human pancreatic adenocarcinoma. <b>2009</b> , 125, 942-51	32
964	alpha-Bromoacrylamido N-substituted isatin derivatives as potent inducers of apoptosis in human myeloid leukemia cells. <b>2009</b> , 4, 1668-76	11

963	Thyroid hormones induce cell proliferation and survival in ovarian granulosa cells COV434. <b>2009</b> , 221, 242-53	25
962	Leptin attenuates hypoxia/reoxygenation-induced activation of the intrinsic pathway of apoptosis in rat H9c2 cells. <b>2009</b> , 221, 490-7	51
961	Targeted disruption of Bcl-xL in mouse keratinocytes inhibits both UVB- and chemically induced skin carcinogenesis. <b>2009</b> , 48, 873-85	33
960	BCL-2 and BAX proteins expression throughout the light-dark cycle and modifications induced by sleep deprivation and rebound in adult rat brain. <b>2009</b> , 87, 1602-9	14
959	Down-regulation of Bcl-2 enhances autophagy activation and cell death induced by mitochondrial dysfunction in rat striatum. <b>2009</b> , 87, 3600-10	42
958	Novel quinolone CHM-1 induces apoptosis and inhibits metastasis in a human osterogenic sarcoma cell line. <b>2009</b> , 27, 1637-44	27
957	Thioredoxin system inhibitors as mediators of apoptosis for cancer therapy. <b>2009</b> , 53, 87-103	168
956	Targeting mitochondrial permeability in cancer drug development. <b>2009</b> , 53, 76-86	27
955	Arsenate-induced apoptosis in murine embryonic maxillary mesenchymal cells via mitochondrial-mediated oxidative injury. <b>2010</b> , 88, 25-34	9
954	Human embryonic stem cells: caught between a ROCK inhibitor and a hard place. <b>2009</b> , 31, 336-43	53
953	In-silico screening of new potential Bcl-2/Bcl-xl inhibitors as apoptosis modulators. <b>2009</b> , 15, 349-55	15
952	Role of apoptosis in cardiovascular disease. <b>2009</b> , 14, 536-48	254
951	Neuroprotective strategies targeting apoptotic and necrotic cell death for stroke. <b>2009</b> , 14, 469-77	162
950	TNFalpha-induced macrophage death via caspase-dependent and independent pathways. <b>2009</b> , 14, 320-32	36
949	The p53 tumor suppressor network in cancer and the therapeutic modulation of cell death. <b>2009</b> , 14, 336-47	43
948	Inside an enigma: do mitochondria contribute to cell death in Drosophila?. <b>2009</b> , 14, 961-8	15
947	Lindane and cell death: at the crossroads between apoptosis, necrosis and autophagy. 2009, 256, 32-41	38
946	Involvement of ERK, Bcl-2 family and caspase 3 in recombinant human activin A-induced apoptosis in A549. <b>2009</b> , 258, 176-83	12

# (2009-2009)

945	Biocompatibility markers for the study of interactions between osteoblasts and composite biomaterials. <b>2009</b> , 30, 45-51	49
944	Uncovering operational interactions in genetic networks using asynchronous Boolean dynamics. <b>2009</b> , 260, 196-209	69
943	Novel naphthalimide derivatives as potential apoptosis-inducing agents: design, synthesis and biological evaluation. <b>2009</b> , 44, 4674-80	30
942	Apoptosis induced by modulation in selenium status involves p38 MAPK and ROS: implications in spermatogenesis. <b>2009</b> , 330, 83-95	38
941	Matrine induces programmed cell death and regulates expression of relevant genes based on PCR array analysis in C6 glioma cells. <b>2009</b> , 36, 791-9	44
940	Fish oil targets PTEN to regulate NFkappaB for downregulation of anti-apoptotic genes in breast tumor growth. <b>2009</b> , 118, 213-28	84
939	Programmed cell death pathways and current antitumor targets. <b>2009</b> , 26, 1547-60	114
938	Pharmacokinetics and pharmacodynamics of broccoli sprouts on the suppression of prostate cancer in transgenic adenocarcinoma of mouse prostate (TRAMP) mice: implication of induction of Nrf2, HO-1 and apoptosis and the suppression of Akt-dependent kinase pathway. <b>2009</b> , 26, 2324-31	90
937	Benzene activates caspase-4 and -12 at the transcription level, without an association with apoptosis, in mouse bone marrow cells lacking the p53 gene. <b>2009</b> , 83, 795-803	4
936	Activation of Bax by joint action of tBid and mitochondrial outer membrane: Monte Carlo simulations. <b>2009</b> , 38, 941-60	13
935	DNA damage response pathways in tumor suppression and cancer treatment. <b>2009</b> , 33, 661-6	68
934	Death comes early: apoptosis observed in ENS precursors. <b>2009</b> , 21, 684-7	13
933	Therapeutic potential of proapoptotic molecule Noxa in the selective elimination of tumor cells. <b>2009</b> , 100, 759-69	16
932	Fragile gene product, Fhit, in oxidative and replicative stress responses. <b>2009</b> , 100, 1145-50	31
931	Gene expression of anti- and pro-apoptotic proteins in malignant and normal plasma cells. <b>2009</b> , 145, 45-58	50
930	Deregulation of cell-death pathways as the cornerstone of skin diseases. <b>2010</b> , 35, 569-75	1
929	Mitochondrial apoptosis induced by BH3-only molecules in the exclusive presence of endoplasmic reticular Bak. <b>2009</b> , 28, 1757-68	69
928	DNA-PK suppresses a p53-independent apoptotic response to DNA damage. <b>2009</b> , 10, 87-93	31

927	Mitochondrial control of platelet apoptosis: effect of cyclosporin A, an inhibitor of the mitochondrial permeability transition pore. <b>2009</b> , 89, 374-84	82
926	The synergy of panobinostat plus doxorubicin in acute myeloid leukemia suggests a role for HDAC inhibitors in the control of DNA repair. <b>2009</b> , 23, 2265-74	51
925	MEK inhibitors potentiate dexamethasone lethality in acute lymphoblastic leukemia cells through the pro-apoptotic molecule BIM. <b>2009</b> , 23, 1744-54	45
924	Bcl-2 inhibitors: small molecules with a big impact on cancer therapy. <b>2009</b> , 16, 360-7	289
923	Classification of cell death: recommendations of the Nomenclature Committee on Cell Death 2009. <b>2009</b> , 16, 3-11	2114
922	Essential role for Bclaf1 in lung development and immune system function. <b>2009</b> , 16, 331-9	57
921	Chemokine receptors CXCR4 and CCR7 promote metastasis by preventing anoikis in cancer cells. <b>2009</b> , 16, 664-73	72
920	Puma and to a lesser extent Noxa are suppressors of Myc-induced lymphomagenesis. <b>2009</b> , 16, 684-96	117
919	Ordering of caspases in cells undergoing apoptosis by the intrinsic pathway. <b>2009</b> , 16, 1053-61	159
918	PKC-mediated phosphorylation regulates c-FLIP ubiquitylation and stability. <b>2009</b> , 16, 1215-26	42
917	PUMA is directly activated by NF-kappaB and contributes to TNF-alpha-induced apoptosis. <b>2009</b> , 16, 1192-202	130
916	Mitochondrial targeting of tBid/Bax: a role for the TOM complex?. <b>2009</b> , 16, 1075-82	74
915	Polypyrimidine tract binding proteins (PTB) regulate the expression of apoptotic genes and susceptibility to caspase-dependent apoptosis in differentiating cardiomyocytes. <b>2009</b> , 16, 1460-8	29
914	A novel pro-apoptotic function of RACK1: suppression of Src activity in the intrinsic and Akt pathways. <b>2009</b> , 28, 4421-33	54
913	Fungal apoptosis: function, genes and gene function. <b>2009</b> , 33, 833-54	128
912	Interaction of the alpha-helical H6 peptide from the pro-apoptotic protein tBid with cardiolipin. <b>2009</b> , 276, 6338-54	19
911	Effects of cyclooxygenase-2 non-selective and selective inhibitors on proliferation inhibition and apoptosis induction of esophageal squamous carcinoma cells. <b>2009</b> , 22, 21-31	18
910	Desipramine-induced Ca-independent apoptosis in Mg63 human osteosarcoma cells: dependence on P38 mitogen-activated protein kinase-regulated activation of caspase 3. <b>2009</b> , 36, 297-303	12

909	Acriflavine-mediated apoptosis and necrosis in yeast Candida utilis. 2009, 1171, 284-91	14
908	Structural and functional alterations of catalase induced by acriflavine, a compound causing apoptosis and necrosis. <b>2009</b> , 1171, 292-9	10
907	Inhibitory mechanism of omega-3 fatty acids in pancreatic inflammation and apoptosis. 2009, 1171, 421-7	36
906	The roles of microRNA in cancer and apoptosis. <b>2009</b> , 84, 55-71	295
905	Potential mechanisms involved in resistant phenotype of MCF-7 breast carcinoma cells to ionizing radiation induced apoptosis. <b>2009</b> , 267, 1001-1006	2
904	Induction of sonodynamic effect with protoporphyrin IX on isolate hepatoma-22 cells. <b>2009</b> , 35, 680-6	28
903	Synthesis, characterization and deepening in the comprehension of the biological action mechanisms of a new nickel complex with antiproliferative activity. <b>2009</b> , 103, 666-77	85
902	Copper, iron, and zinc ions homeostasis and their role in neurodegenerative disorders (metal uptake, transport, distribution and regulation). <b>2009</b> , 253, 2665-2685	336
901	Direct measurement of cathepsin B activity in the cytosol of apoptotic cells by an activity-based probe. <b>2009</b> , 16, 1001-12	33
900	Live and let dieA systems biology view on cell death. <b>2009</b> , 33, 583-589	10
899	Distinguishing between apoptosis and necrosis using a capacitance sensor. <b>2009</b> , 24, 2586-91	27
898	Induction of apoptosis promoted by Bang52; a small molecule that downregulates Bcl-x(L). <b>2009</b> , 19, 2429-34	
897	Sarcopenia of aging: underlying cellular mechanisms and protection by calorie restriction. 2009, 35, 28-35	134
896	Fluorometric methods for detection of mitochondrial membrane permeabilization in apoptosis. <b>2009</b> , 559, 173-90	8
895	Mitochondria and reactive oxygen and nitrogen species in neurological disorders and stroke: Therapeutic implications. <b>2009</b> , 61, 1299-315	84
894	Physical exercise prevents cellular senescence in circulating leukocytes and in the vessel wall. <b>2009</b> , 120, 2438-47	248
893	Leptospira interrogans induces apoptosis in macrophages via caspase-8- and caspase-3-dependent pathways. <b>2009</b> , 77, 799-809	53
892	Comparative assessment of large-scale proteomic studies of apoptotic proteolysis. 2009, 4, 401-8	26

891	Detachment-induced autophagy in three-dimensional epithelial cell cultures. <b>2009</b> , 452, 423-39		12
890	Dehydroeburicoic acid induces calcium- and calpain-dependent necrosis in human U87MG glioblastomas. <b>2009</b> , 22, 1817-26		22
889	Phyllanthus amarus inhibits cell growth and induces apoptosis in Dalton's lymphoma ascites cells through activation of caspase-3 and downregulation of Bcl-2. <b>2009</b> , 8, 190-4		17
888	Total synthesis and cytoprotective properties of dykellic acid. <b>2009</b> , 52, 117-25		17
887	The COX-2/PGE2 pathway: key roles in the hallmarks of cancer and adaptation to the tumour microenvironment. <b>2009</b> , 30, 377-86		922
886	Inhibition of UV-C light-induced apoptosis in liver cells by 2,3,7,8-tetrachlorodibenzo-p-dioxin. <b>2009</b> , 111, 49-63		41
885	Reproductive Endocrinology. <b>2009</b> ,		5
884	Redox Regulation of Apoptosis in Immune Cells. 385-408		1
883	Pharmaceutical Perspectives of Cancer Therapeutics. 2009,		11
882	Metabolic control of oocyte apoptosis mediated by 14-3-3zeta-regulated dephosphorylation of caspase-2. <b>2009</b> , 16, 856-66		80
881	Methotrexate induces apoptosis of human choriocarcinoma cell line JAR via a mitochondrial pathway. <b>2009</b> , 143, 107-11		13
880	Particularities of mitochondrial structure in parasitic protists (Apicomplexa and Kinetoplastida). <b>2009</b> , 41, 2069-80		74
879	Opening the doors to cytochrome c: changes in mitochondrial shape and apoptosis. <b>2009</b> , 41, 1875-83		71
878	Caspase substrates and neurodegenerative diseases. <b>2009</b> , 80, 251-67		32
877	5'-nitro-indirubinoxime induces G2/M cell cycle arrest and apoptosis in human KB oral carcinoma cells. <b>2009</b> , 274, 72-7		25
876	High sensitivity of ovarian cancer cells to the synthetic triterpenoid CDDO-Imidazolide. <b>2009</b> , 282, 214-25	8	23
875	Caspases and kinases in a death grip. <i>Cell</i> , <b>2009</b> , 138, 838-54	56.2	342
874	Multiple pathways of mitochondrial-nuclear communication in yeast: intergenomic signaling involves ABF1 and affects a different set of genes than retrograde regulation. <b>2009</b> , 1789, 135-45		29

# (2009-2009)

873	The changing shape of mitochondrial apoptosis. <b>2009</b> , 20, 287-94	106
872	Deafferentation-induced caspase-3 activation and DNA fragmentation in chick cochlear nucleus neurons. <b>2009</b> , 159, 804-18	8
871	An Ang1-Tie2-PI3K axis in neural progenitor cells initiates survival responses against oxygen and glucose deprivation. <b>2009</b> , 160, 371-81	28
870	Prenatal exposure to heroin in mice elicits memory deficits that can be attributed to neuronal apoptosis. <b>2009</b> , 160, 330-8	60
869	The role of mitochondria in cellular defense against microbial infection. 2009, 21, 223-32	80
868	Trithorax, Hox, and TALE-class homeodomain proteins ensure cell survival through repression of the BH3-only gene egl-1. <b>2009</b> , 329, 374-85	34
867	"Killing the Blues": a role for cellular suicide (apoptosis) in depression and the antidepressant response?. <b>2009</b> , 88, 246-63	106
866	Effects of Colostrinin on gene expression-transcriptomal network analysis. <b>2009</b> , 9, 181-93	11
865	Novel dimerization mode of the human Bcl-2 family protein Bak, a mitochondrial apoptosis regulator. <b>2009</b> , 166, 32-7	40
864	Activation of cell death pathways in the inner ear of the aging CBA/J mouse. 2009, 254, 92-9	56
863	Bax-an emerging role in ectopic cell death. <b>2009</b> , 27, 299-304	7
862	Apoptotic signaling induced by H2O2-mediated oxidative stress in differentiated C2C12 myotubes. <b>2009</b> , 84, 468-81	87
861	Apoptosis may involve in prenatally heroin exposed neurobehavioral teratogenicity?. 2009, 73, 976-7	2
860	Baxbeta: a constitutively active human Bax isoform that is under tight regulatory control by the proteasomal degradation mechanism. <b>2009</b> , 33, 15-29	51
859	betaTrCP- and Rsk1/2-mediated degradation of BimEL inhibits apoptosis. <b>2009</b> , 33, 109-16	138
858	Deadly splicing: Bax becomes Almighty. <b>2009</b> , 33, 145-6	5
857	BAX inhibitor-1 is a negative regulator of the ER stress sensor IRE1alpha. <b>2009</b> , 33, 679-91	244
856	Fine-tuning of the unfolded protein response: Assembling the IRE1alpha interactome. <b>2009</b> , 35, 551-61	310

855	Stepwise activation of BAX and BAK by tBID, BIM, and PUMA initiates mitochondrial apoptosis. <b>2009</b> , 36, 487-99	448
854	Role of autophagy and proteasome degradation pathways in apoptosis of PC12 cells overexpressing human alpha-synuclein. <b>2009</b> , 454, 203-8	29
853	Enteric neuroglial apoptosis in inflammatory bowel diseases. <b>2009</b> , 3, 264-70	20
852	Perfluorononanoic acid induces apoptosis involving the Fas death receptor signaling pathway in rat testis. <b>2009</b> , 190, 224-30	42
851	Cell death pathwayspotential therapeutic targets. <b>2009</b> , 39, 616-24	28
850	Identification of apoptosis in kidney tissue sections. <b>2009</b> , 466, 175-92	22
849	Spatiotemporal activation of caspase-dependent and -independent pathways in staurosporine-induced apoptosis of p53wt and p53mt human cervical carcinoma cells. <b>2009</b> , 101, 455-67	27
848	Cell death. <b>2009</b> , 361, 1570-83	863
847	Lymphocyte apoptosis in murine Pneumocystis pneumonia. <b>2009</b> , 10, 57	7
846	An iron-based beverage, HydroFerrate fluid (MRN-100), alleviates oxidative stress in murine lymphocytes in vitro. <b>2009</b> , 8, 18	3
845	NOD-like receptorspivotal guardians of the immunological integrity of barrier organs. 2009, 653, 35-47	16
844	Analysing caspase activation and caspase activity in apoptotic cells. <b>2009</b> , 559, 3-17	12
843	Apoptosis. <b>2009</b> , 17-55	2
842	Apoptosis: Involvement of Oxidative Stress and Intracellular Ca2+ Homeostasi. 2009,	5
841	Zebrafish. <b>2009</b> ,	3
840	Genetic control of programmed cell death during animal development. <b>2009</b> , 43, 493-523	112
839	Biosynthesis of oleamide. <b>2009</b> , 81, 55-78	19
838	Mitochondrial regulation of cell survival and death during low-oxygen conditions. <b>2009</b> , 11, 2673-83	40

837	Regulation of Apoptosis via the NFB Pathway: Modeling and Analysis. 2009, 19-33	9
836	Oncogenic viruses. <b>2009</b> , 146, 133-42	
835	Programmed Cell Death in Fungus <b>P</b> lant Interactions. <b>2009</b> , 221-236	3
834	Programmed cell death and cancer. <b>2009</b> , 85, 134-40	59
833	Nitroreductase-mediated cell ablation in transgenic zebrafish embryos. <b>2009</b> , 546, 133-43	63
832	Kidney Research. <b>2009</b> ,	2
831	Musings on genome medicine: cancer genetics and the promise of effective treatment. <b>2009</b> , 1, 49	
830	Autophagy and lymphocyte homeostasis. <b>2009</b> , 335, 85-105	22
829	Perilla leaf, Perilla frutescens, induces apoptosis and G1 phase arrest in human leukemia HL-60 cells through the combinations of death receptor-mediated, mitochondrial, and endoplasmic reticulum stress-induced pathways. <b>2009</b> , 12, 508-17	23
828	Target Pattern Recognition in Innate Immunity. 2009,	8
827	Death Receptors and Cognate Ligands in Cancer. 2009,	2
826	Ammonificins A and B, hydroxyethylamine chroman derivatives from a cultured marine hydrothermal vent bacterium, Thermovibrio ammonificans. <b>2009</b> , 72, 1216-9	31
825	Bcl-2 inhibitors: targeting mitochondrial apoptotic pathways in cancer therapy. <b>2009</b> , 15, 1126-32	771
824	Inhibitory effect of kinetin riboside in human heptamoa, HepG2. <b>2009</b> , 5, 91-8	15
823	High molecular weight FGF-2 promotes postconditioning-like cardioprotection linked to activation of protein kinase C isoforms, as well as Akt and p70 S6 kinases. [corrected]. <b>2009</b> , 87, 798-804	18
822	The role of apoptosis in radiation oncology. <b>2009</b> , 85, 107-15	47
821	Cadmium exposure induces mitochondria-dependent apoptosis in oligodendrocytes. 2009, 30, 544-54	52
820	The antiapoptotic activity of melatonin in neurodegenerative diseases. <b>2009</b> , 15, 345-57	176

819	Modulation of caspase activation by Toxoplasma gondii. <b>2009</b> , 470, 275-88	12
818	Molecular diagnosis of hematopoietic and lymphoid neoplasms. <b>2009</b> , 23, 903-33	8
817	New molecular imaging targets to characterize myocardial biology. 2009, 27, 329-44, Table of Contents	7
816	Antitumor effects of a selenium heteropoly complex in K562 cells. <b>2009</b> , 61, 288-95	6
815	Mapping the interaction of pro-apoptotic tBID with pro-survival BCL-XL. <b>2009</b> , 48, 8704-11	26
814	Muscle apoptotic response to denervation, disuse, and aging. <b>2009</b> , 41, 1876-86	40
813	Intrinsic mitochondrial membrane potential change and associated events mediate apoptosis in chemopreventive effect of diclofenac in colon cancer. <b>2010</b> , 18, 481-92	4
812	Hypoxia switches glucose depletion-induced necrosis to phosphoinositide 3-kinase/Akt-dependent apoptosis in A549 lung adenocarcinoma cells. <b>2009</b> , 36,	0
811	Implications of Stroke Pathophysiology and the Ischemic Penumbra. <b>2009</b> , 24-36	
810	Anti-proliferation Effect of Polypeptide Extracted from Scorpion Venom on Human Prostate Cancer Cells in vitro. <b>2009</b> , 1, 24-31	23
809	Nucleosome binding proteins potentiate ATM activation and DNA damage response by modifying chromatin. <b>2009</b> , 8, 1641-1644	9
808	Arginine deiminase originating from Lactococcus lactis ssp. lactis American Type Culture Collection (ATCC) 7962 induces G1-phase cell-cycle arrest and apoptosis in SNU-1 stomach adenocarcinoma cells. <b>2009</b> , 102, 1469-76	14
807	The C-terminus of interferon gamma receptor beta chain (IFNgammaR2) has antiapoptotic activity as a Bax inhibitor. <b>2009</b> , 8, 1771-86	4
806	Regulation of multiple myeloma survival and progression by CD1d. <b>2009</b> , 113, 2498-507	71
805	Zalypsis: a novel marine-derived compound with potent antimyeloma activity that reveals high sensitivity of malignant plasma cells to DNA double-strand breaks. <b>2009</b> , 113, 3781-91	66
804	FLT3-ITD up-regulates MCL-1 to promote survival of stem cells in acute myeloid leukemia via FLT3-ITD-specific STAT5 activation. <b>2009</b> , 114, 5034-43	153
803	Angiostatin regulates the expression of antiangiogenic and proapoptotic pathways via targeted inhibition of mitochondrial proteins. <b>2009</b> , 114, 1987-98	35
802	Methoxy- and fluoro-chalcone derivatives arrest cell cycle progression and induce apoptosis in human melanoma cell A375. <b>2009</b> , 32, 1109-13	16

801	The VDAC2-BAK rheostat controls thymocyte survival. <b>2009</b> , 2, ra48	45
800	Caspase-independent type III programmed cell death in chronic lymphocytic leukemia: the key role of the F-actin cytoskeleton. <b>2009</b> , 94, 507-17	19
799	Inhibition of p66ShcA redox activity in cardiac muscle cells attenuates hyperglycemia-induced oxidative stress and apoptosis. <b>2009</b> , 296, H380-8	32
798	The proapoptotic BH3-only, Bcl-2 family member, Puma is critical for acute ethanol-induced neuronal apoptosis. <b>2009</b> , 68, 747-56	30
797	Recent Advances and Approaches in Targeting Apoptosis Signaling Pathways for Anti-Cancer Therapeutics. <b>2010</b> , 6, 262-282	
796	A single nucleotide polymorphism in the Bax gene promoter affects transcription and influences retinal ganglion cell death. <b>2010</b> , 2, e00032	36
795	Redistribution of intramitochondrial cardiolipin at the early stage of apoptosis is associated with ROS. <b>2010</b> ,	
794	Mitochondrial Entry of Cytotoxic Proteases: A New Insight into the Granzyme B Cell Death Pathway. <b>2019</b> , 2019, 9165214	18
793	and Induction of p53-Dependent Apoptosis by Extract of in A549 Human Caucasian Lung Carcinoma Cancer Cells Is Mediated Through Akt Signaling Pathway. <b>2019</b> , 9, 406	13
79 <sup>2</sup>	Future Options of Molecular-Targeted Therapy in Small Cell Lung Cancer. <b>2019</b> , 11,	40
791	Mechanism of Apoptosis Induced by Curcumin in Colorectal Cancer. <b>2019</b> , 20,	65
790	The Protective Effects of Levetiracetam on a Human iPSCs-Derived Spinal Muscular Atrophy Model. <b>2019</b> , 44, 1773-1779	12
789	Modulates the Host Cell Responses: An Overview of Apoptosis Pathways. <b>2019</b> , 2019, 6152489	26
788	Synthesis of 2-anilinopyridyl linked benzothiazole hydrazones as apoptosis inducing cytotoxic agents. <b>2019</b> , 43, 7150-7161	13
	· ·	
787	Bromocriptine and cabergoline induce cell death in prolactinoma cells via the ERK/EGR1 and AKT/mTOR pathway respectively. <b>2019</b> , 10, 335	12
787 786		12 6
	AKT/mTOR pathway respectively. <b>2019</b> , 10, 335  Qiliqiangxin Capsule Improves Cardiac Function and Attenuates Cardiac Remodeling by	

783	Dissecting Motor Neuron Disease With. <b>2019</b> , 13, 331	6
782	Vitamin C mitigates heat damage by reducing oxidative stress, inducing HSP expression in TM4 Sertoli cells. <b>2019</b> , 86, 673-685	7
781	The Bax inhibitor UvBI-1, a negative regulator of mycelial growth and conidiation, mediates stress response and is critical for pathogenicity of the rice false smut fungus Ustilaginoidea virens. <b>2019</b> , 65, 1185-1197	19
780	The first cloned sea cucumber FADD from Holothuria leucospilota: Molecular characterization, inducible expression and involvement of apoptosis. <b>2019</b> , 89, 548-554	8
779	Complement C5b-9 and Cancer: Mechanisms of Cell Damage, Cancer Counteractions, and Approaches for Intervention. <b>2019</b> , 10, 752	23
778	Cationic gold nanoparticles elicit mitochondrial dysfunction: a multi-omics study. <b>2019</b> , 9, 4366	31
777	Reverse Chemical Proteomics Identifies an Unanticipated Human Target of the Antimalarial Artesunate. <b>2019</b> , 14, 636-643	11
776	Effects of estrogens and androgens on mitochondria under normal and pathological conditions. <b>2019</b> , 176, 54-72	7
775	Novel naphthalene-enoates: Design and anticancer activity through regulation cell autophagy. <b>2019</b> , 113, 108747	4
774	Deciphering the Mechanism of Action Involved in Enhanced Suicide Gene Colon Cancer Cell Killer Effect Mediated by Gef and Apoptin. <b>2019</b> , 11,	12
773	Cryptolepine and aromathecin based mimics as potent G-quadruplex-binding, DNA-cleavage and anticancer agents: Design, synthesis and DNA targeting-induced apoptosis. <b>2019</b> , 169, 144-158	14
77 <sup>2</sup>	Gene expression patterns indicate that a high-fat-high-carbohydrate diet causes mitochondrial dysfunction in fish. <b>2019</b> , 62, 53-67	4
771	Phloroglucinols with Immunosuppressive Activities from the Fruits of Eucalyptus globulus. <b>2019</b> , 82, 859-869	12
770	Regulated necrosis in kidney ischemia-reperfusion injury. <b>2019</b> , 96, 291-301	82
769	Parkin Promotes Mitophagic Cell Death in Adult Hippocampal Neural Stem Cells Following Insulin Withdrawal. <b>2019</b> , 12, 46	23
768	Chemotherapy Resistance Explained through Endoplasmic Reticulum Stress-Dependent Signaling. <b>2019</b> , 11,	38
767	Antitumor and Apoptosis-inducing Effects of Piperine on Human Melanoma Cells. 2019, 39, 1883-1892	32
766	The graviola impact on human astroglioma cells: functional significance of MUDENG <b>2019</b> , 9, 8935-8942	4

765	Ferroptosis suppressed the growth of melanoma that may be related to DNA damage. <b>2019</b> , 32, e12921	5
764	Discovery of Potent Myeloid Cell Leukemia-1 (Mcl-1) Inhibitors That Demonstrate in Vivo Activity in Mouse Xenograft Models of Human Cancer. <b>2019</b> , 62, 3971-3988	31
763	Tail Resorption During Metamorphosis in Tadpoles. <b>2019</b> , 10, 143	17
762	Natural Resource Management: Ecological Perspectives. 2019,	2
761	An Approach to Cancer Risk Assessment and Carcinogenic Potential for Three Classes of Agricultural Pesticides. <b>2019</b> , 109-132	3
760	Real-Time in Situ Visualizing of the Sequential Activation of Caspase Cascade Using a Multicolor Gold-Selenium Bonding Fluorescent Nanoprobe. <b>2019</b> , 91, 5994-6002	27
759	The VvBAP1 gene is identified as a potential inhibitor of cell death in grape berries. 2019, 46, 428-442	1
75 <sup>8</sup>	Changes in the intestine barrier function of Litopenaeus vannamei in response to pH stress. <b>2019</b> , 88, 142-149	20
757	High-Protein Diet Ameliorates Arsenic-Induced Oxidative Stress and Antagonizes Uterine Apoptosis in Rats. <b>2019</b> , 192, 222-233	11
756	Three cell deaths and a funeral: macrophage clearance of cells undergoing distinct modes of cell death. <b>2019</b> , 5, 65	50
755	Magnetic multiwalled carbon nanotubes with controlled release of epirubicin: an intravesical instillation system for bladder cancer. <b>2019</b> , 14, 1241-1254	23
754	Transcriptomic and microbiota response on Litopenaeus vannamei intestine subjected to acute sulfide exposure. <b>2019</b> , 88, 335-343	15
753	Pathophysiology of Acute Illness and Injury. <b>2019</b> , 11-42	2
75 <sup>2</sup>	Fhit-Fdxr interaction in the mitochondria: modulation of reactive oxygen species generation and apoptosis in cancer cells. <b>2019</b> , 10, 147	19
75 <sup>1</sup>	Trans-vaccenic acid inhibits proliferation and induces apoptosis of human nasopharyngeal carcinoma cells via a mitochondrial-mediated apoptosis pathway. <b>2019</b> , 18, 46	13
750	Evaluation of the anticancer potential of a sulphonamide carbonic anhydrase IX inhibitor on cervical cancer cells. <b>2019</b> , 34, 703-711	13
749	Oncological role of HMGA2 (Review). <b>2019</b> , 55, 775-788	45
748	Dichloroacetate ameliorates myocardial ischemia-reperfusion injury via regulating autophagy and glucose homeostasis. <b>2019</b> ,	O

747	An inhibitor of apoptosis protein (EsIAP1) from Chinese mitten crab Eriocheir sinensis regulates apoptosis through inhibiting the activity of EsCaspase-3/7-1. <b>2019</b> , 9, 20421	13
746	Snail modulates JNK-mediated cell death in Drosophila. <b>2019</b> , 10, 893	8
745	Expression of the BAD pathway is a marker of triple-negative status and poor outcome. <b>2019</b> , 9, 17496	8
744	The role of Toll-like receptor 4 in apoptosis of brain tissue after induction of intracerebral hemorrhage. <b>2019</b> , 16, 234	15
743	Therapeutic Inducers of Apoptosis in Ovarian Cancer. <b>2019</b> , 11,	30
742	Don't look back in anger: Lessons from cell death research. <b>2019</b> , 520, 674-675	0
741	Oocyte Aging: The Role of Cellular and Environmental Factors and Impact on Female Fertility. <b>2020</b> , 1247, 109-123	13
740	Mechanistic Understanding of Curcumin's Therapeutic Effects in Lung Cancer. <b>2019</b> , 11,	42
739	Uncoupling proteins: are they involved in vitamin D3 protective effect against high-fat diet-induced cardiac apoptosis in rats?. <b>2019</b> , 1-9	0
738	Resveratrol Inhibits Proliferation in HBL-52 Meningioma Cells. <b>2019</b> , 12, 11579-11586	2
737	Comparative analysis of testis transcriptomes associated with male infertility in triploid cyprinid fish. <b>2019</b> , 31, 248-260	9
736	T Cells and Regulated Cell Death: Kill or Be Killed. <b>2019</b> , 342, 27-71	18
735	Impaired immune function and structural integrity in the gills of common carp (Cyprinus carpio L.) caused by chlorpyrifos exposure: Through oxidative stress and apoptosis. <b>2019</b> , 86, 239-245	60
734	The immune evasion strategies of fish viruses. <b>2019</b> , 86, 772-784	12
733	Optimized induction of mitochondrial apoptosis for chemotherapy-free treatment of BCR-ABL+acute lymphoblastic leukemia. <b>2019</b> , 33, 1313-1323	6
73 <sup>2</sup>	L-Carnosine protects against Oxaliplatin-induced peripheral neuropathy in colorectal cancer patients: A perspective on targeting Nrf-2 and NF-B pathways. <b>2019</b> , 365, 41-50	24
731	A synthetic chalcone derivative, 2-hydroxy-3',5,5'-trimethoxychalcone (DK-139), triggers reactive oxygen species-induced apoptosis independently of p53 in A549 lung cancer cells. <b>2019</b> , 298, 72-79	4
730	Fucoxanthin potentiates anoikis in colon mucosa and prevents carcinogenesis in AOM/DSS model mice. <b>2019</b> , 64, 198-205	22

# (2020-2019)

729	Increased Ripk1-mediated bone marrow necroptosis leads to myelodysplasia and bone marrow failure in mice. <b>2019</b> , 133, 107-120	14
728	TiF and NaF varnishes induce low levels of apoptosis in murine and human fibroblasts through mitochondrial Bcl-2 family and death receptor signalling. <b>2019</b> , 97, 245-252	6
727	Induction of apoptosis in SGC-7901 cells by ruthenium(II) complexes through ROS-mediated lysosomethitochondria dysfunction and inhibition of PI3K/AKT/mTOR pathways. <b>2019</b> , 44, 187-205	2
726	A systematic analysis of Nrf2 pathway activation dynamics during repeated xenobiotic exposure. <b>2019</b> , 93, 435-451	14
725	4-Phenylbutyric Acid Attenuates Endoplasmic Reticulum Stress-Mediated Intestinal Epithelial Cell Apoptosis in Rats with Severe Acute Pancreatitis. <b>2019</b> , 64, 1535-1547	12
724	Human antigen R and drug resistance in tumors. <b>2019</b> , 37, 1107-1116	5
723	Cleavage of arrestin-3 by caspases attenuates cell death by precluding arrestin-dependent JNK activation. <b>2019</b> , 54, 161-169	4
722	Identification and characterization of differentially expressed genes in hepatopancreas of oriental river prawn Macrobrachium nipponense under nitrite stress. <b>2019</b> , 87, 144-154	19
721	Practical guidance for the management of inflammatory bowel disease in patients with cancer. Which treatment?. <b>2019</b> , 12, 1756284818817293	11
720	A Novel Naphthoquinone-Coumarin Hybrid That Inhibits BCR-ABL1-STAT5 Oncogenic Pathway and Reduces Survival in Imatinib-Resistant Chronic Myelogenous Leukemia Cells. <b>2018</b> , 9, 1546	6
719	Apoptosis in HepaRG and HL-7702 cells inducted by polyphyllin II through caspases activation and cell-cycle arrest. <b>2019</b> , 234, 7078-7089	10
718	Long-term exposure of xenoestrogens with environmental relevant concentrations disrupted spermatogenesis of zebrafish through altering sex hormone balance, stimulating germ cell proliferation, meiosis and enhancing apoptosis. <b>2019</b> , 244, 486-494	24
717	Isolation of Synthetic Antibodies Against BCL-2-Associated X Protein (BAX). <b>2019</b> , 1877, 351-357	1
716	Flow Cytometry-Based Detection and Analysis of BCL-2 Family Proteins and Mitochondrial Outer Membrane Permeabilization (MOMP). <b>2019</b> , 1877, 77-91	4
715	Functional BCL-2 rs2279115 Promoter Noncoding Variant Contributes to Glioma Predisposition, Especially in Males. <b>2019</b> , 38, 85-90	17
714	The study of killing effect and inducing apoptosis of 630-nm laser on lung adenocarcinoma A549 cells mediated by hematoporphyrin derivatives in vitro. <b>2020</b> , 35, 71-78	6
713	suppresses nasopharyngeal carcinoma cell proliferation through inhibiting the expression of lncRNA, AK027294. <b>2020</b> , 84, 314-320	0
712	Therapeutic potential of natural products in glioblastoma treatment: targeting key glioblastoma signaling pathways and epigenetic alterations. <b>2020</b> , 22, 963-977	18

711	Porous tube-like ZnS derived from rod-like ZIF-L for photocatalytic Cr(VI) reduction and organic pollutants degradation. <b>2020</b> , 256, 113417	39
710	New quinoline-2-one/pyrazole derivatives; design, synthesis, molecular docking, anti-apoptotic evaluation, and caspase-3 inhibition assay. <b>2020</b> , 94, 103348	12
709	Hesperetin Induces Apoptosis in Human Glioblastoma Cells via p38 MAPK Activation. <b>2020</b> , 72, 538-545	18
708	B7-H4 facilitates proliferation and metastasis of colorectal carcinoma cell through PI3K/Akt/mTOR signaling pathway. <b>2020</b> , 20, 79-86	11
707	Plant and Animal Innate Immunity Complexes: Fighting Different Enemies with Similar Weapons. <b>2020</b> , 25, 80-91	16
706	Inhibition of microRNA-327 ameliorates ischemia/reperfusion injury-induced cardiomyocytes apoptosis through targeting apoptosis repressor with caspase recruitment domain. <b>2020</b> , 235, 3753-3767	19
705	When few survive to tell the tale: thymus and gonad as auditioning organs: historical overview. <b>2020</b> , 139, 95-104	3
704	Minimum Wage Policy and Community College Enrollment Patterns. <b>2020</b> , 73, 178-210	2
703	Isoflavones Isolated from the Seeds of Induced Apoptotic Cell Death in Human Ovarian Cancer Cells. <b>2020</b> , 25,	4
702	Dihydroartemisinin suppresses bladder cancer cell invasion and migration by regulating KDM3A and p21. <b>2020</b> , 11, 1115-1124	14
701	Denervation drives skeletal muscle atrophy and induces mitochondrial dysfunction, mitophagy and apoptosis via miR-142a-5p/MFN1 axis. <b>2020</b> , 10, 1415-1432	19
700	Cytosolic Gram-negative bacteria prevent apoptosis by inhibition of effector caspases through lipopolysaccharide. <b>2020</b> , 5, 354-367	20
699	Multikilogram Synthesis of a Potent Dual Bcl-2/Bcl-xL Antagonist. 1. Manufacture of the Acid Moiety and Development of Some Key Reactions. <b>2020</b> , 24, 652-669	6
698	Opsin3 Downregulation Induces Apoptosis of Human Epidermal Melanocytes via Mitochondrial Pathway. <b>2020</b> , 96, 83-93	16
697	Mitochondrial residence of the apoptosis inducer BAX is more important than BAX oligomerization in promoting membrane permeabilization. <b>2020</b> , 295, 1623-1636	27
696	Mechanisms of action of amyloid-beta and its precursor protein in neuronal cell death. <b>2020</b> , 35, 11-30	26
695	CASP9 (caspase 9) is essential for autophagosome maturation through regulation of mitochondrial homeostasis. <b>2020</b> , 16, 1598-1617	19
694	Regulation of apoptosis by E3 ubiquitin ligases in ubiquitin proteasome system. <b>2020</b> , 44, 721-734	7

#### (2020-2020)

693	Tanshinone IIA ameliorates cognitive deficits by inhibiting endoplasmic reticulum stress-induced apoptosis in APP/PS1 transgenic mice. <b>2020</b> , 133, 104610	19
692	Expression of miR-133a-5p and ROCK2 in Heart in Methamphetamine-Induced Rats and Intervention of Rhynchophylline. <b>2020</b> , 105, 300-310	3
691	Natural Agents Targeting Mitochondria in Cancer. <b>2020</b> , 21,	14
690	Design and synthesis of novel 4-thiazolidinone derivatives with promising anti-breast cancer activity: Synthesis, characterization, in vitro and in vivo results. <b>2020</b> , 104, 104276	5
689	Molecular characterization, inducible expression and functional analysis of an IKKffrom the tropical sea cucumber Holothuria leucospilota. <b>2020</b> , 104, 622-632	2
688	Vielanin K enhances doxorubicin-induced apoptosis via activation of IRE1\textsup TRAF2 - JNK pathway and increases mitochondrial Ca influx in MCF-7 and MCF-7/MDR cells. <b>2020</b> , 78, 153329	3
687	Candesartan could ameliorate the COVID-19 cytokine storm. <b>2020</b> , 131, 110653	14
686	Two new monofunctional platinum(II) dithiocarbamate complexes: -type axial protection, equatorial-axial conformational isomerism, and anticancer and DNA binding studies. <b>2020</b> , 49, 15385-15396	8
685	Guar gum micro-vehicle mediated delivery strategy and synergistic activity of thymoquinone and piperine: An in vitro study on bacterial and hepatocellular carcinoma cells. <b>2020</b> , 60, 101994	5
684	Exploring indole derivatives as myeloid cell leukaemia-1 (Mcl-1) inhibitors with multi-QSAR approach: a novel hope in anti-cancer drug discovery. <b>2020</b> , 44, 17494-17506	4
683	Pan-cancer analysis of the CASP gene family in relation to survival, tumor-infiltrating immune cells and therapeutic targets. <b>2020</b> , 112, 4304-4315	13
682	CAMK1D Triggers Immune Resistance of Human Tumor Cells Refractory to Anti-PD-L1 Treatment. <b>2020</b> , 8, 1163-1179	8
681	Isoharringtonine Induces Apoptosis of Non-Small Cell Lung Cancer Cells in Tumorspheroids via the Intrinsic Pathway. <b>2020</b> , 10,	3
680	The challenge to further improvements in survival of patients with T-ALL: Current treatments and new insights from disease pathogenesis. <b>2020</b> , 57, 149-156	4
679	Acacetin Induces Apoptosis in Human Osteosarcoma Cells by Modulation of ROS/JNK Activation. <b>2020</b> , 14, 5077-5085	9
678	Viral Infections: Negative Regulators of Apoptosis and Oncogenic Factors. <b>2020</b> , 85, 1191-1201	6
677	12-Deacetyl-12-epi-Scalaradial, a Scalarane Sesterterpenoid from a Marine Sponge Hippospongia sp., Induces HeLa Cells Apoptosis via MAPK/ERK Pathway and Modulates Nuclear Receptor Nur77. <b>2020</b> , 18,	6
676	A Raman Spectroscopic Study of Thymoquinone Antitumor Action. <b>2020</b> , 87, 515-519	1

675	Transcriptomic and proteomic analyses reveal new insights into the regulation of immune pathways during cyprinid herpesvirus 2 infection in vitro. <b>2020</b> , 106, 167-180	3
674	Metabolic optimization of adoptive T cell transfer cancer immunotherapy: A historical overview. <b>2020</b> , 92, e12929	2
673	Investigating mitochondrial autophagy by routine transmission electron microscopy: Seeing is believing?. <b>2020</b> , 160, 105097	10
672	Response of gut microbiota and immune function to hypoosmotic stress in the yellowfin seabream (Acanthopagrus latus). <b>2020</b> , 745, 140976	6
671	Growth Inhibition of Nasopharyngeal Carcinoma Cells Mediated by p53 Gene-Containing Nanolipid Composites. <b>2020</b> , 20, 6026-6032	O
670	Effects of MC-LR on histological structure and cell apoptosis in the kidney of grass carp (Ctenopharyngodon idella). <b>2020</b> , 46, 2005-2014	2
669	Napabucasin, a novel inhibitor of STAT3, inhibits growth and synergises with doxorubicin in diffuse large B-cell lymphoma. <b>2020</b> , 491, 146-161	6
668	Cell death in culture: Molecular mechanisms, detections, and inhibition strategies. <b>2020</b> , 91, 37-53	3
667	Intracellular levels of reactive oxygen species correlate with ABT-263 sensitivity in non-small-cell lung cancer cells. <b>2020</b> , 111, 3793-3801	2
666	Molecular mechanisms underlying the effects of the small molecule AMC-04 on apoptosis: Roles of the activating transcription factor 4-C/EBP homologous protein-death receptor 5 pathway. <b>2020</b> , 332, 109277	3
665	Andrographolide Induces Apoptosis and Cell Cycle Arrest through Inhibition of Aberrant Hedgehog Signaling Pathway in Colon Cancer Cells. <b>2020</b> , 1-19	3
664	Antiproliferative Effect and Mediation of Apoptosis in Human Hepatoma HepG2 Cells Induced by Djulis Husk and Its Bioactive Compounds. <b>2020</b> , 9,	3
663	LEAVES OF ANDROGRAPHIS PANICULATA IS AN ANTIOXIDANT AND ANTICANCER AGENT. <b>2020</b> , 213-217	
662	Investigating Core Signaling Pathways of Hepatitis B Virus Pathogenesis for Biomarkers Identification and Drug Discovery via Systems Biology and Deep Learning Method. <b>2020</b> , 8,	2
661	Novel Approaches for Omega-3 Fatty Acid Therapeutics: Chronic Versus Acute Administration to Protect Heart, Brain, and Spinal Cord. <b>2020</b> , 40, 161-187	10
660	Cell death in Ustilago maydis: comparison with other fungi and the effect of metformin and curcumin on its chronological lifespan. <b>2020</b> , 20,	1
659	Xylem systems genetics analysis reveals a key regulator of lignin biosynthesis in. <b>2020</b> , 30, 1131-1143	7
658	Pyrethroid-Induced Organ Toxicity and Anti-Oxidant-Supplemented Amelioration of Toxicity and Organ Damage: The Protective Roles of Ascorbic Acid and 毌ocopherol. <b>2020</b> , 17,	5

657	Carotenoids in Cancer Apoptosis-The Road and Back. <b>2020</b> , 12,	28
656	Ion Channels in Glioma Malignancy. <b>2020</b> , 1	4
655	Photodynamic therapy, priming and optical imaging: Potential co-conspirators in treatment design and optimization <b>(b)</b> Thomas Dougherty Award for Excellence in PDT paper. <b>2020</b> , 24, 1320-1360	24
654	Ex Vivo Lung Perfusion Improves the Inflammatory Signaling Profile of the Porcine Donor Lung Following Transplantation. <b>2020</b> , 104, 1899-1905	3
653	Bitter gourd (Momordica charantia) as an emerging therapeutic agent: Modulating metabolic regulation and cell signaling cascade. <b>2020</b> , 67, 221-268	2
652	Synthesis and Biological Evaluation of Celastrol Derivatives as Potential Immunosuppressive Agents. <b>2020</b> , 83, 2578-2586	2
651	Determining the Fate of Neurons in SCA3: ATX3, a Rising Decision Maker in Response to DNA Stresses and Beyond. <b>2020</b> , 8, 619911	0
650	, A Preemptive Bacterium: Apoptotic Response Repression in the Host Gut at the Early Infection to Facilitate Its Acquisition and Transmission. <b>2020</b> , 11, 589509	1
649	Panax notoginseng saponins and their applications in nervous system disorders: a narrative review. <b>2020</b> , 8, 1525	5
648	miR-489-3p Inhibits Prostate Cancer Progression by Targeting DLX1. <b>2020</b> , 12, 2719-2729	6
647	Ferulic acid isolated from propolis inhibits porcine parvovirus replication potentially through Bid-mediate apoptosis. <b>2020</b> , 83, 106379	7
646	Adaptive changes induced by noble-metal nanostructures and. <b>2020</b> , 10, 5649-5670	8
645	Mitochondrial Fusion Machinery Specifically Involved in Energy Deprivation-Induced Autophagy. <b>2020</b> , 8, 221	4
644	Prostaglandin E affects in vitro maturation of bovine oocytes. <b>2020</b> , 18, 40	6
643	A red-emissive D-A-D type fluorescent probe for lysosomal pH imaging. <b>2020</b> , 12, 2978-2984	3
642	How Good is Jarzynski's Equality for Computer-Aided Drug Design?. <b>2020</b> , 124, 5338-5349	4
641	Effects of Microcystis aeruginosa and microcystin-LR on intestinal histology, immune response, and microbial community in Litopenaeus vannamei. <b>2020</b> , 265, 114774	13
640	Ischemic Preconditioning Upregulates Decoy Receptors to Protect SH-SY5Y Cells from OGD Induced Cellular Damage by Inhibiting TRAIL Pathway and Agitating PI3K/Akt Pathway. <b>2020</b> , 57, 3658-3670	1

639	Novel gene Merlot inhibits differentiation and promotes apoptosis of osteoclasts. <b>2020</b> , 138, 115494	5
638	Pazopanib and Trametinib as a Synergistic Strategy against Osteosarcoma: Preclinical Activity and Molecular Insights. <b>2020</b> , 12,	6
637	Long non-coding RNA and its molecular mechanisms in polycystic ovary syndrome. <b>2020</b> , 17, 1798-1810	4
636	The sterol regulatory element binding protein homolog of Penaeus vannamei modulates fatty acid metabolism and immune response. <b>2020</b> , 1865, 158757	4
635	3-(Benzo[d]thiazol-2-yl)-4-aminoquinoline derivatives as novel scaffold topoisomerase I inhibitor via DNA intercalation: design, synthesis, and antitumor activities. <b>2020</b> , 44, 11203-11214	3
634	Tumor-Targeted Gene Silencing IDO Synergizes PTT-Induced Apoptosis and Enhances Anti-tumor Immunity. <b>2020</b> , 11, 968	12
633	Structure-based design, synthesis, and evaluation of Bcl-2/Mcl-1 dual inhibitors. <b>2020</b> , 353, e2000005	3
632	Activation of the extrinsic apoptotic pathway in the thymus of piglets infected with PRRSV-1 strains of different virulence. <b>2020</b> , 243, 108639	8
631	Electron transport chain activity is a predictor and target for venetoclax sensitivity in multiple myeloma. <b>2020</b> , 11, 1228	24
630	Lactoferrin's Anti-Cancer Properties: Safety, Selectivity, and Wide Range of Action. <b>2020</b> , 10,	53
629	-EthylNitrosourea Induced Leukaemia in a Mouse Model through Upregulation of Vascular Endothelial Growth Factor and Evading Apoptosis. <b>2020</b> , 12,	5
628	Overexpression and biological function of PRDX6 in human cervical cancer. <b>2020</b> , 11, 2390-2400	9
627	Induction of Apoptosis in Lung Cancer Cells by Viburnum grandiflorum via Mitochondrial Pathway. <b>2020</b> , 26, e920265	7
626	Daphnane Diterpenoids from Inhibit PI3K/Akt/mTOR Signaling and Induce Cell Cycle Arrest and Apoptosis in Human Colon Cancer Cells. <b>2020</b> , 83, 1238-1248	11
625	Neuroprotective effects of mirtazapine and imipramine and their effect in pro- and anti-apoptotic gene expression in human neuroblastoma cells. <b>2020</b> , 72, 563-570	4
624	Supramolecular	8
623	Reclassifying Hepatic Cell Death during Liver Damage: Ferroptosis-A Novel Form of Non-Apoptotic Cell Death?. <b>2020</b> , 21,	23
622	Colicin N Mediates Apoptosis and Suppresses Integrin-Modulated Survival in Human Lung Cancer Cells. <b>2020</b> , 25,	8

### (2020-2020)

621	Novel Agents Beyond Immunomodulatory Agents and Phosphoinositide-3-Kinase for Follicular Lymphoma. <b>2020</b> , 34, 743-756	
620	A Synthetic Pan-Aurora Kinase Inhibitor, 5-Methoxy-2-(2-methoxynaphthalen-1-yl)-4H-chromen-4-one, Triggers Reactive Oxygen Species-Mediated Apoptosis in HCT116 Colon Cancer Cells. <b>2020</b> , 2020, 1-11	1
619	Gamma-irradiation-induced testicular oxidative stress and apoptosis: Mitigation by l-carnitine. <b>2020</b> , 34, e22565	1
618	Synthesis, docking studies and antitumor activity of phenanthroimidazole derivatives as promising c-myc G-quadruplex DNA stabilizers. <b>2020</b> , 102, 104074	10
617	Senna plant generates reactive oxygen species (ROS) and induces apoptosis in Hymenolepis diminuta. <b>2020</b> , 238, 111297	3
616	Minimally disruptive optical control of protein tyrosine phosphatase 1B. <b>2020</b> , 11, 788	16
615	miRNAs: A Promising Target in the Chemoresistance of Bladder Cancer. <b>2019</b> , 12, 11805-11816	14
614	AKAP1 mediates high glucose-induced mitochondrial fission through the phosphorylation of Drp1 in podocytes. <b>2020</b> , 235, 7433-7448	13
613	Occurrence, Bioavailability, Anti-inflammatory, and Anticancer Effects of Pterostilbene. <b>2020</b> , 68, 12788-12	79933
612	C5, A Cassaine Diterpenoid Amine, Induces Apoptosis via the Extrinsic Pathways in Human Lung Cancer Cells and Human Lymphoma Cells. <b>2020</b> , 21,	4
611	Potential Applications of NRF2 Modulators in Cancer Therapy. <b>2020</b> , 9,	56
610	The microRNA212 regulated PEA15 promotes ovarian cancer progression by inhibiting of apoptosis. <b>2020</b> , 11, 1424-1435	4
609	Molecular Mechanism of Apoptosis by Amyloid Protein Fibrils Formed on Neuronal Cells. <b>2020</b> , 11, 796-805	12
608	New benzenesulfonamide scaffold-based cytotoxic agents: Design, synthesis, cell viability, apoptotic activity and radioactive tracing studies. <b>2020</b> , 96, 103577	8
607	Protective Effects of Foam Rolling against Inflammation and Notexin Induced Muscle Damage in Rats. <b>2020</b> , 17, 71-81	5
606	Anisotropic Platinum Nanoparticle-Induced Cytotoxicity, Apoptosis, Inflammatory Response, and Transcriptomic and Molecular Pathways in Human Acute Monocytic Leukemia Cells. <b>2020</b> , 21,	11
605	Cell Death Pathways in Lymphoid Malignancies. <b>2020</b> , 22, 10	9
604	Hepatocyte Apoptosis. <b>2020</b> , 195-205	1

603	Loss of BIM in T cells results in BCL-2 family BH3-member compensation but incomplete cell death sensitivity normalization. <b>2020</b> , 25, 247-260	4
602	Reconstituting the Mammalian Apoptotic Switch in Yeast. <b>2020</b> , 11,	2
601	且ipoic acid induces Endoplasmic Reticulum stress-mediated apoptosis in hepatoma cells. <b>2020</b> , 10, 7139	8
600	Dietary Bacillus amyloliquefaciens enhance survival of white spot syndrome virus infected crayfish. <b>2020</b> , 102, 161-168	3
599	The Inverse Comorbidity between Oncological Diseases and Huntington Disease: Review of Epidemiological and Biological Evidence. <b>2020</b> , 56, 269-279	1
598	Fas-associated death domain (FADD) in sea cucumber (Apostichopus japonicus): Molecular cloning, characterization and pro-apoptotic function analysis. <b>2020</b> , 108, 103673	10
597	Synthesis of new hetero-arylidene-9(10H)-anthrone derivatives and their biological evaluation. <b>2020</b> , 99, 103849	5
596	Curcumin and Colorectal Cancer: From Basic to Clinical Evidences. <b>2020</b> , 21,	57
595	Platelet Activation in Heparin-Induced Thrombocytopenia is Followed by Platelet Death via Complex Apoptotic and Non-Apoptotic Pathways. <b>2020</b> , 21,	4
594	Chemotherapeutic and prophylactic antimalarial drugs induce cell death through mitochondrial-mediated apoptosis in murine models. <b>2021</b> , 44, 47-57	6
593	Codeine exerts cardiorenal injury via upregulation of adenine deaminase/xanthine oxidase and caspase 3 signaling. <b>2021</b> , 273, 118717	9
592	Toxicological effects of microplastics in Litopenaeus vannamei as indicated by an integrated microbiome, proteomic and metabolomic approach. <b>2021</b> , 761, 143311	13
591	The Fragile X Mental Retardation Protein Regulates RIPK1 and Colorectal Cancer Resistance to Necroptosis. <b>2021</b> , 11, 639-658	3
590	A Tubular DNA Nanodevice as a siRNA/Chemo-Drug Co-delivery Vehicle for Combined Cancer Therapy. <b>2021</b> , 133, 2626-2630	3
589	A Tubular DNA Nanodevice as a siRNA/Chemo-Drug Co-delivery Vehicle for Combined Cancer Therapy. <b>2021</b> , 60, 2594-2598	32
588	NPD1 rapidly targets mitochondria-mediated apoptosis after acute injection protecting brain against ischemic injury. <b>2021</b> , 335, 113495	6
587	Advances in Host-Directed Therapies Against Tuberculosis. 2021,	2
586	The Intriguing Clinical Success of BCL-2 Inhibition in Acute Myeloid Leukemia. <b>2021</b> , 5, 277-289	1

585	Adverse effects of fetal exposure of electronic-cigarettes and high-fat diet on male neonatal hearts. <b>2021</b> , 118, 104573	1
584	The main sources of circulating cell-free DNA: Apoptosis, necrosis and active secretion. 2021, 157, 103166	11
583	Discovery of bardoxolone derivatives as novel orally active necroptosis inhibitors. <b>2021</b> , 212, 113030	6
582	Designing biotin-human serum albumin nanoparticles to enhance the targeting ability of binuclear ruthenium(III) compound. <b>2021</b> , 215, 111318	2
581	Heat-induced endoplasmic reticulum stress in soleus and gastrocnemius muscles and differential response to UPR pathway in rats. <b>2021</b> , 26, 323-339	5
580	Resolving the paradox of ferroptotic cell death: Ferrostatin-1 binds to 15LOX/PEBP1 complex, suppresses generation of peroxidized ETE-PE, and protects against ferroptosis. <b>2021</b> , 38, 101744	23
579	Synthesis and antitumor activity of sacroflavonoside. <b>2021</b> , 35, 1292-1298	
578	Preadministration of high-dose alpha-tocopherol improved memory impairment and mitochondrial dysfunction induced by proteasome inhibition in rat hippocampus. <b>2021</b> , 24, 119-129	9
577	Cell signaling and apoptosis in animals. <b>2021</b> , 199-218	
576	Oocyte quality and aging. <b>2021</b> , 0	4
576 575	Oocyte quality and aging. 2021, 0  Mechanisms of chemoresistance and approaches to overcome its impact in gynecologic cancers. 2021, 77-126	4
	Mechanisms of chemoresistance and approaches to overcome its impact in gynecologic cancers.	
575	Mechanisms of chemoresistance and approaches to overcome its impact in gynecologic cancers. <b>2021</b> , 77-126	
<i>575 574</i>	Mechanisms of chemoresistance and approaches to overcome its impact in gynecologic cancers.  2021, 77-126  Cardiomyocyte Death and Genome-Edited Stem Cell Therapy for Ischemic Heart Disease. 2021, 17, 1264-1279	0
575 574 573	Mechanisms of chemoresistance and approaches to overcome its impact in gynecologic cancers.  2021, 77-126  Cardiomyocyte Death and Genome-Edited Stem Cell Therapy for Ischemic Heart Disease. 2021, 17, 1264-1279  Role of the Connexin C-terminus in skin pattern formation of Zebrafish. 2021, 1, 100006	0
575 574 573	Mechanisms of chemoresistance and approaches to overcome its impact in gynecologic cancers.  2021, 77-126  Cardiomyocyte Death and Genome-Edited Stem Cell Therapy for Ischemic Heart Disease. 2021, 17, 1264-1279  Role of the Connexin C-terminus in skin pattern formation of Zebrafish. 2021, 1, 100006  FePS3 Nanosheets: Preparation and Potential in Photothermal-photodynamic Therapy. 2021, 36, 1074  Effects of Amyloid Precursor Protein Overexpression on NF-B, Rho-GTPase and Pro-Apoptosis	o o 5
575 574 573 572 571	Mechanisms of chemoresistance and approaches to overcome its impact in gynecologic cancers.  2021, 77-126  Cardiomyocyte Death and Genome-Edited Stem Cell Therapy for Ischemic Heart Disease. 2021, 17, 1264-1279  Role of the Connexin C-terminus in skin pattern formation of Zebrafish. 2021, 1, 100006  FePS3 Nanosheets: Preparation and Potential in Photothermal-photodynamic Therapy. 2021, 36, 1074  Effects of Amyloid Precursor Protein Overexpression on NF-B, Rho-GTPase and Pro-Apoptosis Bcl-2 Pathways in Neuronal Cells. 2021, 9, 417-425  The role of Se content in improving anti-tumor activities and its potential mechanism for selenized	o o 5

567	Lipopolysaccharide Pre-conditioning Attenuates Pro-inflammatory Responses and Promotes Cytoprotective Effect in Differentiated PC12 Cell Lines Pre-activation of Toll-Like Receptor-4 Signaling Pathway Leading to the Inhibition of Caspase-3/Nuclear Factor-Appa B Pathway. 2020,	4
566	14, 598453 extract attenuates free fatty acid-induced lipotoxicity in pancreatic beta cells. <b>2021</b> , 15, 294-308	1
565	In Vitro Apoptotic Cell Death Assessment. <b>2021</b> , 2240, 243-261	O
564	Shikonin inhibits proliferation of melanoma cells by MAPK pathway-mediated induction of apoptosis. <b>2021</b> , 41,	8
563	Transcriptome based analysis of apoptosis genes in chickens co-infected with avian infectious bronchitis virus and pathogenic. <b>2021</b> , 13, 17-22	1
562	HMGA2 as a Critical Regulator in Cancer Development. <b>2021</b> , 12,	24
561	Bexarotene inhibits cell proliferation by inducing oxidative stress, DNA damage and apoptosis via PPAR/INF-B signaling pathway in C6 glioma cells. 2021, 38, 31	6
560	BCL-2 (-938C>A), BAX (-248G>A), and HER2 Ile655Val Polymorphisms and Breast Cancer Risk in Indian Population. <b>2021</b> , 2021, 8865624	
559	Role of apoptosis repressor with caspase recruitment domain (ARC) in cell death and cardiovascular disease. <b>2021</b> , 26, 24-37	2
558	Altered apoptotic protein expressions characterize the survival of Bcr-Abl-independent drug-resistant chronic myeloid leukemia cell line. <b>2021</b> , 5, 1-5	
557	Reduced ER-mitochondria connectivity promotes neuroblastoma multidrug resistance.	
556	E3 Ubiquitin Ligase ASB17 Promotes Apoptosis by Ubiquitylating and Degrading BCLW and MCL1. <b>2021</b> , 10,	5
555	Conversion of the death inhibitor ARC to a killer activates pancreatic Rell death in diabetes. <b>2021</b> , 56, 747-760.e6	4
554	Channelling inflammation: gasdermins in physiology and disease. <b>2021</b> , 20, 384-405	66
553	The inhibitory effect of melatonin on human prostate cancer. <b>2021</b> , 19, 34	8
552	Elucidating the role of GRIM-19 as a substrate and allosteric activator of pro-apoptotic serine protease HtrA2. <b>2021</b> , 478, 1241-1259	2
551	Mitochondrial metabolism assessment of lycaon-dog fetuses in interspecies somatic cell nuclear transfer. <b>2021</b> , 165, 18-27	6
550	Anti-Apoptotic Role of Sanhuang Xiexin Decoction and Anisodamine in Endotoxemia. <b>2021</b> , 12, 531325	3

### (2021-2021)

549	Supramolecular Dipeptide-Based Near-Infrared Fluorescent Nanotubes for Cellular Mitochondria Targeted Imaging and Early Apoptosis. <b>2021</b> , 32, 833-841	4
548	Hybrid and TR-FRET-Guided Discovery of Novel BCL-2 Inhibitors. <b>2021</b> , 4, 1111-1123	2
547	Prophylactic effects of Cynara scolymus L. leaf and flower hydroethanolic extracts against diethylnitrosamine/acetylaminoflourene-induced lung cancer in Wistar rats. <b>2021</b> , 28, 43515-43527	8
546	Methylation as a critical epigenetic process during tumor progressions among Iranian population: an overview. <b>2021</b> , 43, 14	
545	Sensitizing TRAIL-resistant A549 lung cancer cells and enhancing TRAIL-induced apoptosis with the antidepressant amitriptyline. <b>2021</b> , 46,	O
544	Discovery of Novel PTP1B Inhibitors Derived from the BH3 Domain of Proapoptotic Bcl-2 Proteins with Antidiabetic Potency. <b>2021</b> , 12, 1017-1023	2
543	Fetal hypoxia and apoptosis following maternal porcine reproductive and respiratory syndrome virus (PRRSV) infection. <b>2021</b> , 17, 182	0
542	Mechanism of Anticancer Action of Novel Imidazole Platinum(II) Complex Conjugated with G2 PAMAM-OH Dendrimer in Breast Cancer Cells. <b>2021</b> , 22,	2
541	Cellular and Molecular Mechanisms of Pristimerin in Cancer Therapy: Recent Advances. <b>2021</b> , 11, 671548	0
540	Developing a Novel Anticancer Gold(III) Agent to Integrate Chemotherapy and Immunotherapy. <b>2021</b> , 64, 6777-6791	2
539	Modulates Cell Non-Autonomous Response in Zebrafish Skeletal Muscle Homeostasis. <b>2021</b> , 10,	2
538	Dual-target platinum(IV) complexes exhibit antiproliferative activity through DNA damage and induce ER-stress-mediated apoptosis in A549 cells. <b>2021</b> , 110, 104741	2
537	A comparison of cell death mechanisms of antioxidants, butylated hydroxyanisole and butylated hydroxytoluene. <b>2021</b> , 1-8	5
536	Analysis of blood parameters and molecular endometrial markers during early reperfusion in two ovine models of uterus transplantation. <b>2021</b> , 16, e0251474	1
535	Dying to Survive-The p53 Paradox. <b>2021</b> , 13,	3
534	Photodynamic Therapy-Current Limitations and Novel Approaches. <b>2021</b> , 9, 691697	54
533	Inhibition of MAGL activates the Keap1/Nrf2 pathway to attenuate glucocorticoid-induced osteonecrosis of the femoral head. <b>2021</b> , 11, e447	3
532	Oxidative Polymerization in Living Cells. <b>2021</b> , 143, 10709-10717	13

531	[11]-Chaetoglobosins from Induce G2/M Cell Cycle Arrest and Apoptosis in Human Cancer Cells. <b>2021</b> , 84, 1904-1914	1
530	Neutrophils drive endoplasmic reticulum stress-mediated apoptosis in cancer cells through arginase-1 release. <b>2021</b> , 11, 12574	5
529	Sinapic acid reduces ischemia/reperfusion injury due to testicular torsion/detorsion in rats. <b>2021</b> , 53, e14117	2
528	Selective cytotoxicity of cyclometalated gold(III) complexes on Caco-2 cells is mediated by G2/M cell cycle arrest. <b>2021</b> , 13,	1
527	Contingency and chance erase necessity in the experimental evolution of ancestral proteins. <b>2021</b> , 10,	7
526	Cell death pathways and viruses: Role of microRNAs. <b>2021</b> , 24, 487-511	12
525	Methylation of Promoters of Apoptosis-Related Genes in Blood Lymphocytes of Workers Exposed to Occupational External Irradiation. <b>2021</b> , 171, 357-361	1
524	The Role of PERK in Understanding Development of Neurodegenerative Diseases. <b>2021</b> , 22,	1
523	Comparison of Pluripotency, Differentiation, and Mitochondrial Metabolism Capacity in Three-Dimensional Spheroid Formation of Dental Pulp-Derived Mesenchymal Stem Cells. <b>2021</b> , 2021, 5540877	2
522	IN VITRO EVALUATION OF THE EFFECT OF GLUTATHIONE ON CASPASE SYSTEM AND OXIDATIVE DNA DAMAGE IN HIGH GLUCOSE CONDITION.	
521	Proteomics analysis in the kidney of mice following oral feeding Realgar. <b>2021</b> , 275, 114118	3
520	A recombinant Chinese measles virus vaccine strain rMV-Hu191 inhibits human colorectal cancer growth through inducing autophagy and apoptosis regulating by PI3K/AKT pathway. <b>2021</b> , 14, 101091	2
519	Enzymatic Spermine Metabolites Induce Apoptosis Associated with Increase of p53, caspase-3 and miR-34a in Both Neuroblastoma Cells, SJNKP and the N-Myc-Amplified Form IMR5. <b>2021</b> , 10,	3
518	Guanylate-binding proteins induce apoptosis of leukemia cells by regulating MCL-1 and BAK. <b>2021</b> , 10, 54	1
517	Molecular Mechanisms of Antiproliferative and Apoptosis Activity by 1,5-Bis(4-Hydroxy-3-Methoxyphenyl)1,4-Pentadiene-3-one (MS13) on Human Non-Small Cell Lung Cancer Cells. <b>2021</b> , 22,	2
516	The palladacycle, BTC2, exhibits anti-breast cancer and breast cancer stem cell activity. <b>2021</b> , 190, 114598	5
515	Curcumin Sensitizes Prolactinoma Cells to Bromocriptine by Activating the ERK/EGR1 and Inhibiting the AKT/GSK-3虧ignaling Pathway In Vitro and In Vivo. <b>2021</b> , 58, 6170-6185	0
514	Inhibitors of BCL2A1/Bfl-1 protein: Potential stock in cancer therapy. <b>2021</b> , 220, 113539	6

513	Use of glycerol monolaurate as a treatment against white spot syndrome virus in crayfish (Procambarus clarkii). <b>2021</b> , 541, 736853	1
512	Anti-hypertensive and cardioprotective activities of traditional Chinese medicine-derived polysaccharides: A review. <b>2021</b> , 185, 917-934	9
511	The unique biology of germinal center B cells. <b>2021</b> , 54, 1652-1664	9
510	Metal-coordinated nanomedicine for combined tumor therapy by inducing paraptosis and apoptosis. <b>2021</b> , 336, 159-168	4
509	Enzymatic Metabolism of Flavonoids by Gut Microbiota and Its Impact on Gastrointestinal Cancer. <b>2021</b> , 13,	7
508	Anticancer Activities of Biogenic Silver Nanoparticles Targeting Apoptosis and Inflammatory Pathways in Colon Cancer Cells. 1	5
507	BAG1 down-regulation increases chemo-sensitivity of acute lymphoblastic leukaemia cells. <b>2021</b> , 25, 9060-9065	1
506	Antitumor Effect of Saikosaponin A on Human Neuroblastoma Cells. <b>2021</b> , 2021, 5845554	1
505	Molecular cloning and characterization of FADD from the grass carp (Ctenopharyngodon idellus) in response to bacterial infection. <b>2021</b> , 542, 736829	5
504	A unique form of collective epithelial migration is crucial for tissue fusion in the secondary palate and can overcome loss of epithelial apoptosis.	1
503	Fractions of Ageratum conyzoides L. (Compositae) induce mitochondrial-mediated apoptosis in rats: Possible option in monosodium glutamate-induced hepatic and uterine pathological disorder. <b>2021</b> , 277, 114192	
502	Design, synthesis and biological evaluation of dual Bcl-2/Mcl-1 inhibitors bearing 2-(1H-indol-4-yl)benzoic acid scaffold. <b>2021</b> , 47, 128215	1
501	Expression and functional analysis of the BCL2-Associated agonist of cell death (BAD) gene in grass carp (Ctenopharyngodon idella) during bacterial infection. <b>2021</b> , 123, 104160	7
500	The anticancer effect of extract of medicinal mushroom Sanghuangprous vaninii against human cervical cancer cell via endoplasmic reticulum stress-mitochondrial apoptotic pathway. <b>2021</b> , 279, 114345	5
499	Chemodynamic therapy agents Cu(II) complexes of quinoline derivatives induced ER stress and mitochondria-mediated apoptosis in SK-OV-3 cells. <b>2021</b> , 223, 113636	5
498	Contribution of Apaf-1 to the pathogenesis of cancer and neurodegenerative diseases. <b>2021</b> , 190, 91-110	3
497	Biologic and pathologic aspects of osteocytes in the setting of medication-related osteonecrosis of the jaw (MRONJ). <b>2021</b> , 153, 116168	4
496	Apoptosis regulation at the mitochondria membrane level. <b>2021</b> , 1863, 183716	21

495	Mannose receptor of Epinephelus coioides exerts antiviral activity against red-spotted grouper nervous necrosis virus and regulates apoptosis and inflammation. <b>2022</b> , 546, 737264	0
494	MicroRNA-30a-3p acts as a tumor suppressor in MHCC-97H hepatocellular carcinoma cells by targeting COX-2. <b>2021</b> , 12, 3945-3957	1
493	Neferine improves oxidative stress and apoptosis in benign prostate hyperplasia via Nrf2-ARE pathway. <b>2021</b> , 26, 1-9	7
492	Caspase3-deficient cells require fibronectin for protection against autophagy-dependent death.	
491	TSPAN7 Exerts Anti-Tumor Effects in Bladder Cancer Through the PTEN/PI3K/AKT Pathway. <b>2020</b> , 10, 613869	10
490	Chemogenomics for drug discovery: clinical molecules from open access chemical probes. <b>2021</b> , 2, 759-795	2
489	Apoptosis: Molecular Mechanisms.	3
488	Apoptosis: Morphological Criteria and Other Assays.	2
487	Drugging the <b>U</b> ndruggable□1-15	2
486	Cell Clearance and Cancer. <b>2005</b> , 51-84	2
485	NMR of Membrane Proteins in Lipid Environments: the Bcl-2 Family of Apoptosis Regulators. <b>2006</b> , 35-61	O
484	The Biology of Caspases in Central Nervous System Trauma. <b>2007</b> , 515-550	1
483	Protection and Repair of Inner Ear Sensory Cells. 199-255	3
482	Novel approaches for chemosensitization of breast cancer cells: the E1A story. <b>2007</b> , 608, 144-69	17
481	Rational design of therapeutics targeting the BCL-2 family: are some cancer cells primed for death but waiting for a final push?. <b>2008</b> , 615, 159-75	18
480	Radiation Induced Cell Deaths. <b>2008</b> , 215-248	1
479	Homeostatic functions of BCL-2 proteins beyond apoptosis. <b>2010</b> , 687, 1-32	35
478	Alternative functions of the BCL-2 protein family at the endoplasmic reticulum. <b>2010</b> , 687, 33-47	9

477	Targeting Survival Pathways in Lymphoma. <b>2010</b> , 79-96	8
476	The interplay between BCL-2 family proteins and mitochondrial morphology in the regulation of apoptosis. <b>2010</b> , 687, 97-114	48
475	Signaling in the Aging Heart. <b>2011</b> , 221-243	1
474	Cardiac MRI and PET Scanning in Right Ventricular Failure. <b>2015</b> , 265-281	1
473	Detection of phosphatidylserine exposure on leukocytes following treatment with human galectins. <b>2015</b> , 1207, 185-200	7
472	Toxicity, Immunogenicity, Uptake, and Kinetics Methods for CPPs. <b>2015</b> , 1324, 133-48	17
47 <sup>1</sup>	From Bedside to Bench: How Clinical Reality Should Instruct Stroke Modeling. <b>2016</b> , 1-6	1
470	On The Suppression of Photoreceptor Cell Death in Retinitis Pigmentosa. <b>2007</b> , 293-317	1
469	The Extrinsic Pathway of Apoptosis. <b>2007</b> , 31-54	2
468	Regulation and Function of Detachment-Induced Cell Death (Anoikis) in Cancer Progression and Metastasis. <b>2007</b> , 109-122	1
467	Altered Apoptosis in AML. 2007, 133-161	1
466	Caspase-3 activation is a critical determinant of genotoxic stress-induced apoptosis. 2008, 414, 13-21	143
465	Signaling Pathways in Cancer. <b>2008</b> , 153-188	Ο
464	Detecting apoptotic cells and monitoring their clearance in the nematode Caenorhabditis elegans. <b>2009</b> , 559, 357-70	25
463	The NF- <b>B</b> Signaling Pathway in GBMs: Implications for Apoptotic and Inflammatory Responses and Exploitation for Therapy. <b>2009</b> , 1011-1036	3
462	Osteogenic Growth Factors and Cytokines and Their Role in Bone Repair. <b>2007</b> , 17-45	5
461	Toxicity Produced by an Industrial Effluent from Mexico on the Common Carp (Cyprinus carpio). <b>2019</b> , 23-41	1
460	Cell Engineering for Therapeutic Protein Production. <b>2015</b> , 565-590	3

459	CK2: A Global Regulator of Cell Death. <b>2015</b> , 159-181	1
458	Inhibition of Programmed Cell Death by Baculoviruses: Potential in Pest-Management Strategies. <b>2007</b> , 217-233	1
457	Reactive Oxygen Species and Apoptosis. <b>2014</b> , 113-135	5
456	Arrestins in apoptosis. <b>2014</b> , 219, 309-39	12
455	Agonists and Antagonists: Molecular Mechanisms and Therapeutic Applications. 2010, 301-317	2
454	Multifaceted Role of Heat Stress Proteins in the Kidney. <b>2010</b> , 31-55	1
453	Calcium in health and disease. <b>2013</b> , 13, 81-137	75
452	Molecular Imaging Approaches for Evaluation of Myocardial Pathophysiology. <b>2010</b> , 691-712	2
451	A Critical Evaluation of Nonmammalian Models for Aging Research. <b>2005</b> , 449-467	2
450	THE IMMUNE SYSTEM AND THE INFLAMMATORY RESPONSE. <b>2005</b> , 19-63	1
449	Cytogenetic and Molecular Pathology of Pediatric Cancer. <b>2009</b> , 99-171	1
448	Cellular Responses to Stress and Toxic Insults: Adaptation, Injury, and Death. <b>2010</b> , 3-42	3
447	Neoplasia. <b>2010</b> , 259-330	25
446	Tributyltin impaired spermatogenesis and reproductive behavior in male zebraßh. <b>2020</b> , 224, 105503	7
445	Single and dual target inhibitors based on Bcl-2: Promising anti-tumor agents for cancer therapy. <b>2020</b> , 201, 112446	11
444	Anticancerous potential of polysaccharides sequentially extracted from Polygonatum cyrtonema Hua in Human cervical cancer Hela cells. <b>2020</b> , 148, 843-850	23
443	SPZ1 promotes deregulation of Bim to boost apoptosis resistance in colorectal cancer. <b>2020</b> , 134, 155-167	3
442	Chlorogenic acid potentiates antitumor effect of doxorubicin through upregulation of death receptors in solid Ehrlich carcinoma model in mice. <b>2019</b> , 6, 158-172	6

# (2016-2008)

441	Bim siRNA decreases lymphocyte apoptosis and improves survival in sepsis. 2008, 30, 127-34	46
440	Blocking the Necroptosis Pathway Decreases RPE and Photoreceptor Damage Induced by NaIO3.	2
439	Subversion of the Bcl-2 life/death switch in cancer development and therapy. <b>2005</b> , 70, 469-77	21
438	Establishing Intracellular Infection: Modulation of Host Cell Functions (Anaplasmataceae). 175-220	2
437	To live or die: a critical decision for the lung. <b>2005</b> , 115, 828-830	8
436	The kiss of death. <b>2004</b> , 113, 1662	1
435	Death begets failure in the heart. <b>2005</b> , 115, 565-71	228
434	Pharmacological manipulation of Bcl-2 family members to control cell death. <b>2005</b> , 115, 2648-55	96
433	IKK/NF-kappaB signaling: balancing life and deatha new approach to cancer therapy. <b>2005</b> , 115, 2625-32	616
432	Chronic lymphocytic leukemia requires BCL2 to sequester prodeath BIM, explaining sensitivity to BCL2 antagonist ABT-737. <b>2007</b> , 117, 112-21	468
431	Ca2+- and mitochondrial-dependent cardiomyocyte necrosis as a primary mediator of heart failure. <b>2007</b> , 117, 2431-44	317
430	Modulation of prostate cancer genetic risk by omega-3 and omega-6 fatty acids. <b>2007</b> , 117, 1866-75	193
429	Nipping at cardiac remodeling. 2007, 117, 2751-3	12
428	Endoplasmic reticulum-mitochondria crosstalk in NIX-mediated murine cell death. <b>2009</b> , 119, 203-12	104
427	Regulation of mitochondrial dynamics in acute kidney injury in cell culture and rodent models. <b>2009</b> , 119, 1275-85	517
426	ER stress regulates myeloid-derived suppressor cell fate through TRAIL-R-mediated apoptosis. <b>2014</b> , 124, 2626-39	209
425	Metal Influences on Immune Function. <b>2010</b> , 379-414	1
424	MicroRNA-184 Promotes Proliferation and Inhibits Apoptosis in HaCaT Cells: An In Vitro Study. <b>2016</b> , 22, 3056-61	6

423	Hydroxysafflor-Yellow A Induces Human Gastric Carcinoma BGC-823 Cell Apoptosis by Activating Peroxisome Proliferator-Activated Receptor Gamma (PPAR) <b>2018</b> , 24, 803-811	18
422	Ferulic Acid Induces Apoptosis of HeLa and Caski Cervical Carcinoma Cells by Down-Regulating the Phosphatidylinositol 3-Kinase (PI3K)/Akt Signaling Pathway. <b>2020</b> , 26, e920095	5
421	The third model of Bax/Bak activation: a Bcl-2 family feud finally resolved?. <b>2020</b> , 9,	26
420	Flavonoids: A new generation molecule to stimulate programmed cell deaths in cancer cells <b>2017</b> , 18, 30-37	1
419	Orostachys japonicus DW and EtOH Extracts Induce Apoptosis in Cholangiocarcinoma Cell Line SNU-1079. <b>2015</b> , 36, 19-34	1
418	Two independent positive feedbacks and bistability in the Bcl-2 apoptotic switch. 2008, 3, e1469	38
417	N-acetylcholinesterase-induced apoptosis in Alzheimer's disease. <b>2008</b> , 3, e3108	74
416	Akt regulates drug-induced cell death through Bcl-w downregulation. 2008, 3, e4070	15
415	Insulin signaling regulates mitochondrial function in pancreatic beta-cells. <b>2009</b> , 4, e7983	48
414	Fas/CD95 deficiency in ApcMin/+ mice increases intestinal tumor burden. <b>2010</b> , 5, e9070	24
413	Intrinsic order and disorder in the bcl-2 member harakiri: insights into its proapoptotic activity. <b>2011</b> , 6, e21413	15
412	Altered insulin receptor signalling and 駐ell cycle dynamics in type 2 diabetes mellitus. <b>2011</b> , 6, e28050	68
411	Transcriptomic analysis comparing tumor-associated neutrophils with granulocytic myeloid-derived suppressor cells and normal neutrophils. <b>2012</b> , 7, e31524	209
410	Differentiation and recruitment of Th9 cells stimulated by pleural mesothelial cells in human Mycobacterium tuberculosis infection. <b>2012</b> , 7, e31710	52
409	Characterization of adult <code>Hand</code> 假lobin elevated by hydrogen peroxide in cervical cancer cells that play a cytoprotective role against oxidative insults. <b>2013</b> , 8, e54342	28
408	NDRG2 is a novel p53-associated regulator of apoptosis in C6-originated astrocytes exposed to oxygen-glucose deprivation. <b>2013</b> , 8, e57130	19
407	The effect of SOD1 mutation on cellular bioenergetic profile and viability in response to oxidative stress and influence of mutation-type. <b>2013</b> , 8, e68256	32
406	Comparative genome sequence analysis of Choristoneura occidentalis Freeman and C. rosaceana Harris (Lepidoptera: Tortricidae) alphabaculoviruses. <b>2013</b> , 8, e68968	7

405	The innate immunity adaptor SARM translocates to the nucleus to stabilize lamins and prevent DNA fragmentation in response to pro-apoptotic signaling. <b>2013</b> , 8, e70994	11
404	Inhibition of Fas-associated death domain-containing protein (FADD) protects against myocardial ischemia/reperfusion injury in a heart failure mouse model. <b>2013</b> , 8, e73537	22
403	Effects of pulse current on endurance exercise and its anti-fatigue properties in the hepatic tissue of trained rats. <b>2013</b> , 8, e75093	15
402	Genome-wide microRNA profiling of rat hippocampus after status epilepticus induced by amygdala stimulation identifies modulators of neuronal apoptosis. <b>2013</b> , 8, e78375	25
401	Targeting Bcl-2/Bcl-XL induces antitumor activity in uveal melanoma patient-derived xenografts. <b>2014</b> , 9, e80836	34
400	Pre-exposure of Mycobacterium tuberculosis-infected macrophages to crystalline silica impairs control of bacterial growth by deregulating the balance between apoptosis and necrosis. <b>2013</b> , 8, e80971	12
399	Apoptotic damage of pancreatic ductal epithelia by alcohol and its rescue by an antioxidant. <b>2013</b> , 8, e81893	6
398	Pou5f1/Oct4 promotes cell survival via direct activation of mych expression during zebrafish gastrulation. <b>2014</b> , 9, e92356	10
397	Anthraquinone G503 induces apoptosis in gastric cancer cells through the mitochondrial pathway. <b>2014</b> , 9, e108286	15
396	Antroquinonol Targets FAK-Signaling Pathway Suppressed Cell Migration, Invasion, and Tumor Growth of C6 Glioma. <b>2015</b> , 10, e0141285	38
395	Fate of tenogenic differentiation potential of human bone marrow stromal cells by uniaxial stretching affected by stretch-activated calcium channel agonist gadolinium. <b>2017</b> , 12, e0178117	11
394	The Role of NMDA Receptors in the Development of Brain Resistance through Pre- and Postconditioning. <b>2014</b> , 5, 430-41	15
393	Cytoskeletal Changes in Non-Apoptotic Cell Death. <b>2006</b> , 49, 123-128	6
392	Inhibition of apoptosis may lead to the development of bortezomib resistance in multiple myeloma cancer cells. <b>2021</b> , 46, 65-71	1
391	The nonselective beta-blocker carvedilol suppresses apoptosis in human cardiac tissue: a pilot study. <b>2010</b> , 13, E218-22	7
390	Oncogenes and tumor suppressors regulate glutamine metabolism in cancer cells. <b>2013</b> , 18, 221-6	32
389	Remodeling of mitochondrial morphology and function: an emerging hallmark of cellular reprogramming. <b>2019</b> , 3, 181-194	14
388	STRATEGY OF PROGRAMMED CELL DEATH IN PROKARYOTES. <b>2015</b> , 5, 15	2

387	Ischemic preconditioning and the gene expression of enteric endothelial cell biology of rats submitted to intestinal ischemia and reperfusion. <b>2013</b> , 28, 167-73	3
386	RKIP-mediated chemo-immunosensitization of resistant cancer cells via disruption of the NF-B/Snail/YY1/RKIP resistance-driver loop. <b>2014</b> , 19, 431-45	25
385	[The influence of oxidized fibrinogen on apoptosis of endothelial cells]. <b>2011</b> , 57, 210-8	1
384	Autophagy mediates pharmacological lifespan extension by spermidine and resveratrol. <b>2009</b> , 1, 961-70	161
383	Caloric restriction: implications for sarcopenia and potential mechanisms. <b>2020</b> , 12, 24441-24452	7
382	The trans-membrane domain of Bcl-2∄but not its hydrophobic cleft, is a critical determinant for efficient IP3 receptor inhibition. <b>2016</b> , 7, 55704-55720	28
381	CM363, a novel naphthoquinone derivative which acts as multikinase modulator and overcomes imatinib resistance in chronic myelogenous leukemia. <b>2017</b> , 8, 29679-29698	8
380	Antineoplastic effects of CPPTL via the ROS/JNK pathway in acute myeloid leukemia. <b>2017</b> , 8, 38990-39000	5
379	-652 6N insertion/deletion polymorphism and overall cancer risk: evidence from 49 studies. <b>2017</b> , 8, 56780-56	799
378	The genetically engineered drug rhCNB induces apoptosis via a mitochondrial route in tumor cells. <b>2017</b> , 8, 65876-65888	2
377	MicroRNA-21 inhibits mitochondria-mediated apoptosis in keloid. <b>2017</b> , 8, 92914-92925	24
376	The effect of the JAK2 inhibitor TG101209 against T cell acute lymphoblastic leukemia (T-ALL) is mediated by inhibition of JAK-STAT signaling and activation of the crosstalk between apoptosis and autophagy signaling. <b>2017</b> , 8, 106753-106763	12
375	MicroRNA-34a promotes mitochondrial dysfunction-induced apoptosis in human lens epithelial cells by targeting Notch2. <b>2017</b> , 8, 110209-110220	20
374	The anti-cancer effects and mechanisms of D. Don on CL1-5 lung cancer cells. <b>2017</b> , 8, 109340-109357	19
373	Therapeutic potential of ERK5 targeting in triple negative breast cancer. <b>2014</b> , 5, 11308-18	35
372	Anti-cancerous effect of cis-khellactone from through the induction of three programmed cell deaths. <b>2018</b> , 9, 16744-16757	4
371	A novel combinatorial treatment option for metastatic uveal melanoma. <b>2018</b> , 9, 26096-26108	4
370	PUMA mediates the combinational therapy of 5-FU and NVP-BEZ235 in colon cancer. <b>2015</b> , 6, 14385-98	29

## (2010-2015)

369	Identification of therapeutic targets in ovarian cancer through active tyrosine kinase profiling. <b>2015</b> , 6, 30057-71	13
368	TRIP-Br1 oncoprotein inhibits autophagy, apoptosis, and necroptosis under nutrient/serum-deprived condition. <b>2015</b> , 6, 29060-75	17
367	Cinobufagin inhibits tumor growth by inducing intrinsic apoptosis through AKT signaling pathway in human nonsmall cell lung cancer cells. <b>2016</b> , 7, 28935-46	35
366	MicroRNA-related polymorphisms in apoptosis pathway genes are predictive of clinical outcome in patients with limited disease small cell lung cancer. <b>2016</b> , 7, 22632-8	3
365	Targeted alpha-therapy using [Bi-213]anti-CD20 as novel treatment option for radio- and chemoresistant non-Hodgkin lymphoma cells. <b>2013</b> , 4, 218-30	19
364	The rb pathway and cancer therapeutics. <b>2009</b> , 10, 581-9	44
363	Chemosensitization of prostate cancer by modulating Bcl-2 family proteins. <b>2010</b> , 11, 699-707	71
362	The Advances on the Protective Effects of Ginsenosides on Myocardial Ischemia and Ischemia-Reperfusion Injury. <b>2020</b> , 20, 1610-1618	9
361	Cytokeratin-18 in Diagnosis of HCC in Patients with Liver Cirrhosis. <b>2017</b> , 18, 1105-1111	7
360	Positive correlation between micronuclei and necrosis of lymphocytes in medical personnel occupationally exposed to ionizing radiation. <b>2005</b> , 13, 65-68	2
359	An analysis of a mathematical model describing the growth of a tumor treated with chemotherapy. <b>2020</b> , 5, 185-204	2
358	Response and adaptation of skeletal muscle to denervation stress: the role of apoptosis in muscle loss. <b>2009</b> , 14, 432-52	39
357	Analyzing the roles of multi-functional proteins in cells: The case of arrestins and GRKs. <b>2015</b> , 50, 440-52	19
356	Promising Anticancer Effect of Aurisin A Against the Human Lung Cancer A549 Cell Line. <b>2020</b> , 21, 49-54	1
355	Noninvasive predictors of nonalcoholic steatohepatitis in Korean patients with histologically proven nonalcoholic fatty liver disease. <b>2013</b> , 19, 120-30	19
354	Pleiotropic effects of simvastatin are associated with mitigation of apoptotic component of cell death upon lethal myocardial reperfusion-induced injury. <b>2012</b> , 61, S33-41	11
353	Lipopolysaccharide-induced necroptosis of brain microvascular endothelial cells can be prevented by inhibition of endothelin receptors. <b>2018</b> , 67, S227-S236	13
352	Panax notoginseng saponins protect rabbit bone marrow stromal cells from hydrogen peroxide-induced apoptosis. <b>2010</b> , 8, 131-7	4

351	Apoptotic effect of Epigallocatechin-3-gallate on the human gastric cancer cell line MKN45 via activation of the mitochondrial pathway. <b>2007</b> , 13, 4255-9	23
350	Apoptosis of human cholangiocarcinoma cells induced by ESC-3 from Crocodylus siamensis bile. <b>2012</b> , 18, 704-11	17
349	Guggulsterone induces apoptosis of human hepatocellular carcinoma cells through intrinsic mitochondrial pathway. <b>2015</b> , 21, 13277-87	10
348	Significance of Serum Cytokeratin-18 in Prediction of Hepatocellular Carcinoma in Chronic Hepatitis C Infected Egyptian Patients. <b>2015</b> , 3, 117-23	6
347	NK cell-produced IFN-dregulates cell growth and apoptosis of colorectal cancer by regulating IL-15. <b>2020</b> , 19, 1400-1406	6
346	Hydroxychloroquine reverses the drug resistance of leukemic K562/ADM´cells by inhibiting autophagy. <b>2019</b> , 20, 3883-3892	4
345	Apigenin induces apoptosis by regulating Akt and MAPK pathways in human melanoma cell A375SM. <b>2020</b> , 22, 4877-4889	12
344	Application of Pb for Targeted <del>particle Therapy (TAT): Pre-clinical and Mechanistic Understanding through to Clinical Translation.</del> <b>2015</b> , 2, 228-245	33
343	Assessment of the Cytotoxic and Apoptotic Elects of Chaetominine in a Human Leukemia Cell Line. <b>2016</b> , 24, 147-55	19
342	Neuronal apoptosis in cerebral ischemia/reperfusion area following electrical stimulation of fastigial nucleus. <b>2014</b> , 9, 727-34	21
341	Mitochondrial Dysfunction and Apoptosis Related Gene Expression in A图5-35-Treated Human Neuroblastoma Cell Line, SK-N-SH. <b>2009</b> , 13, 142-151	3
340	Systematic analysis of diabetes- and glucose metabolism-related proteins and its application to Alzheimer disease. <b>2013</b> , 06, 615-644	4
339	Chemotherapeutic Effect of Withaferin A in Human Oral Cancer Cells. 2015, 06, 735-742	5
338	4 Null Mouse Embryonic Fibroblasts Exhibit Enhanced Sensitivity to Oxidants: Role of 4-Hydroxynonenal in Oxidant Toxicity. <b>2013</b> , 2,	25
337	Apoptosis Induction by Methanol Extract of Prunus mume Fruits in Human Leukemia U937 Cells. <b>2011</b> , 21, 1109-1119	5
336	Induction of Growth Inhibition and Apoptosis in Human Cancer Cells by a Brown Algae Extract. <b>2016</b> , 26, 555-562	2
335	Role of apoptotic and necrotic cell death under physiologic conditions. 2008, 41, 1-10	71
334	Interplay between autophagy and programmed cell death in mammalian neural stem cells. <b>2013</b> , 46, 383-90	25

333	PER3, a novel target of miR-103, plays a suppressive role in colorectal cancer in vitro. <b>2014</b> , 47, 500-5	33
332	A panoramic overview of mitochondria and mitochondrial redox biology. <b>2014</b> , 30, 221-34	12
331	Betanodavirus: Mitochondrial disruption and necrotic cell death. <b>2013</b> , 2, 1-5	18
330	The cellular decision between apoptosis and autophagy. <b>2013</b> , 32, 121-9	25
329	Review on molecular and chemopreventive potential of nimbolide in cancer. <b>2014</b> , 12, 156-64	26
328	Model for Non-Invasive Diagnosis of NAFLD Incorporating Caspase 3-Cleaved Cytokeratin-18: A Clinical, Serological, and Immunohistochemical Analysis. <b>2018</b> , 18,	1
327	Interaction studies to evaluate 2- carboxyphenolate analogues as inhibitor of anti-apoptotic protein Bcl-2. <b>2013</b> , 9, 477-80	3
326	3-Deazaneplanocin A is a promising therapeutic agent for ovarian cancer cells. <b>2013</b> , 14, 2915-8	5
325	Synergistic anticancer activity of 5-aminolevulinic acid photodynamic therapy in combination with low-dose cisplatin on Hela cells. <b>2013</b> , 14, 3023-8	22
324	Inactivated Sendai virus strain Tianjin induces apoptosis in human breast cancer MDA-MB-231 cells. <b>2014</b> , 15, 5023-8	5
323	Roles of the Bcl-2/Bax ratio, caspase-8 and 9 in resistance of breast cancer cells to paclitaxel. <b>2014</b> , 15, 8617-22	60
322	An in silico appraisal to identify high affinity anti-apoptotic synthetic tetrapeptide inhibitors targeting the mammalian caspase 3 enzyme. <b>2014</b> , 15, 10137-42	15
321	Bax and Bak function as the outer membrane component of the mitochondrial permeability pore in regulating necrotic cell death in mice. <b>2013</b> , 2, e00772	180
320	Caspase-mediated cleavage of IRE1 controls apoptotic cell commitment during endoplasmic reticulum stress. <b>2019</b> , 8,	20
319	. <b>2019</b> , 33,	1
318	Effect of Silk Fibroin Hydrolysate on the Apoptosis of MCF-7 human Breast Cancer Cells. <b>2013</b> , 27, 228-236	3
317	[6]-Gingerol Suppresses Oral Cancer Cell Growth by Inducing the Activation of AMPK and Suppressing the AKT/mTOR Signaling Pathway. <b>2021</b> , 35, 3193-3201	1
316	Shikonin regulates autophagy via the AMPK/mTOR pathway and reduces apoptosis of human umbilical cord mesenchymal stem cells to improve survival in tissues surrounding brain contusion. <b>2021</b> , 22, 1475	2

315	The anticancer activity of root extract from Quercus acutissima Carruth. Via regulating apoptosis and autophagy in breast cancer cells. <b>2021</b> , 114730
314	Increasing anticancer effect in vitro and vivo of liposome-encapsulated iridium(III) complexes on BEL-7402 cells. <b>2021</b> , 225, 111622
313	Apoptosis. <b>2005</b> , 433-454
312	Zellproliferation, Zellzyklus und Apoptose. <b>2006</b> , 6-17
311	Cell Death. <b>2006</b> , 73-90
310	Effect of [6]-Gingerol on Bcl-2 and Bax Expression in MDA-MB-231 Human Breast Cancer Cell Line.  2006, 35, 671-676
309	Molecular Analysis of Heart Failure and Remodeling. <b>2007</b> , 441-469
308	Mitochondria in Cell Life and Death. <b>2007</b> , 145-158
307	Cell proliferation and apoptosis. <b>2007</b> , 72-86
306	Other Novel Targeted Therapies in Lung Cancer. <b>2007</b> , 123-148
305	Regulation of apoptosis. <b>2007</b> , 67-79
304	Does the maternal immune system regulate the embryo's response to teratogens?. <b>2007</b> , 59-66
303	Apoptosis Pathways and New Anticancer Agents. 2008, 257-268
302	Physiology of erythropoiesis. <b>2008</b> , 1-66
301	Inhibitors of the Bcl-2 Protein Family as Sensitizers to Anticancer Agents. <b>2008</b> , 243-261
300	Cellular Mechanisms of Drug Nephrotoxicity. <b>2008</b> , 2507-2535
299	Adaptive Responses and Signal Transduction Pathways in Chemically Induced Mitochondrial Dysfunction and Cell Death. <b>2008</b> , 1-33
298	Cell Structure, Function, and Genetics. <b>2008</b> , 37-73

297	Programmed Cell Death as a Therapeutic Approach. 1	
296	The Cellular Decision Between Apoptosis and Autophagy. <b>2008</b> , 127-141	
295	How Cancer Cells Escape Death. <b>2009</b> , 161-178	
294	Autophagic Cell Death in Mammalian Cells. 2008, 109-126	
293	Apoptosis Dysregulation in CLL. <b>2008</b> , 91-102	
292	Muscle Enzymes. <b>2008</b> , 91-110	
291	Targeted Approaches to Drug Development. <b>2009</b> , 57-98	0
<b>2</b> 90	Amyloid and Neurodegeneration: Alzheimer's Disease and Retinal Degeneration. 2009, 131-163	
289	The Mitochondrial Pathway: Focus on Shape Changes. <b>2009</b> , 151-175	
288	Ovarian Function and Failure: The Role of the Oocyte and Its Molecules. <b>2009</b> , 281-290	
287	Heart Failure in the Era of Genomic Medicine. <b>2009</b> , 692-704	
286	Antiapoptotic Agents. 2009, 438-446	
285	Regulation of Cell Survival. <b>2009</b> , 413-421	
284	Combined Treatment of Nonsteroidal Anti-inflammatory Drugs and Genistein Synergistically Induces Apoptosis via Induction of NAG-1 in Human Lung Adenocarcinoma A549 Cells. <b>2009</b> , 19, 1073-1080	
283	Caspase-Independent Cell Death Mechanisms in Simple Animal Models. <b>2010</b> , 9-33	
282	Structure and Function of IAP and Bcl-2 Proteins.	
281	OPA1 and Its Clinical Implications.	
280	Molecular Carcinogenesis. <b>2010</b> , 975-1003	

279	Cardiac Remodeling and Cell Death in Heart Failure. <b>2010</b> , 213-231	
278	The Multidimensional Role of Mitochondria in Heart Failure. <b>2010</b> , 73-106	
277	From Bedside to Bench: How Clinical Reality Should Instruct Stroke Modeling. <b>2010</b> , 1-6	
276	Molecularly Targeted Therapy for Infant ALL. <b>2010</b> , 31-58	
275	Wachstumssignale und Apoptose. <b>2010</b> , 87-96	
274	Cellular Energy Metabolism and Oxidative Stress. <b>2010</b> , 313-320	O
273	Apoptosis Signaling Pathways in Pancreatic Cancer Pathogenesis. <b>2010</b> , 369-386	
272	Effects of Exercise Intensity on Bcl-2, Bax, Caspase-3 Protein Level and DNA Fragmentation in Soleus and EDL Muscle on 60 wk SD Rats. <b>2010</b> , 20, 572-577	
271	Effects of Mifepristone and Tamoxifen on Calcium Modulation in DU-145 Prostate Cancer Cells. <b>2010</b> , 20, 1324-1331	
270	Regulation of cell death by c-FLIP phosphorylation. <b>2011</b> , 691, 625-30	Ο
269	Nuclear Apoptosis and Sarcopenia. <b>2011</b> , 173-206	
268	Effect of AC-264, a Novel Indole Derivative, on Apoptosis in HL-60 Cells. <b>2010</b> , 31, 3777-3781	1
267	Endothelial Apoptosis and Repair in Pulmonary Arterial Hypertension. 2011, 425-438	
266	Targeting Bcl-2 Family Proteins in Childhood Leukemia. <b>2011</b> , 117-141	
265	Heart Mitochondria: A Receiver and Integrator of Signals. <b>2011</b> , 125-151	1
264	Myocardial Cell Death and Regeneration. <b>2011</b> , 66-80	Ο
263	Depression and Cytokine-Regulated Pathways. <b>2011</b> , 326-349	
262	Signalling Molecules as Selective Targets for Therapeutic Strategies in Multiple Myeloma. <b>2012</b> , 87-108	

261	Advances in Liposome-Based Targeted Gene Therapy of Cancer. <b>2012</b> , 113-133	2
260	Apoptotic Regulators and Its Clinical Implications in Mammary Carcinoma. <b>2012</b> , 227-245	
259	Molecular and Cellular Biology. <b>2012</b> , 43-52	
258	Basic Principles of Immunology in Urology. <b>2012</b> , 495-529.e5	
257	Caspase-Independent Stroke Targets. <b>2012</b> , 145-174	
256	Cell proliferation, apoptosis, repair and regeneration. <b>2012</b> , 66-76	
255	The Role of CaM Kinase II in Cardiac Function in Health and Disease. <b>2013</b> , 447-461	
254	Understanding the Mechanisms of Resistance to Rituximab: Paving the Road for the Development of Therapeutic Strategies to Overcome Rituximab-Resistance. <b>2013</b> , 73-92	
253	Expression Patterns of CAPN1 and CAPN8b Genes during Embryogenesis in Xenopus laevis. <b>2013</b> , 02, 211-216	1
252	Propofol Reduces Hydrogen Peroxide-Induced Apoptosis through Down-Regulating Bim Expression in Alveolar Epithelial Cells. <b>2013</b> , 11, 274-279	1
251	Administration of grape seed extract alleviates age-associated decline in ubiquitin-proteasome system and cardiomyocyte apoptosis in rats. <b>2013</b> , 03, 253-263	O
250	Calpains in Health and Disease. <b>2013</b> , 395-431	
249	Neuronal Hypertrophy in Rat Colon Caused by Protein Deficiency. <b>2015</b> , 2, 1-4	
248	Cellular Energy Metabolism and Oxidative Stress. <b>2015</b> , 1-11	
247	Effect of Environmental Carcinogens on Cellular Physiology. <b>2015</b> , 27-34	
246	Targeting apoptosis is the major battle field for killing cancers. <b>2015</b> , 4, 69	
245	Rebooting the Genome. <b>2016</b> , 327-350	
244	Metabolic Seizure Resistance via BAD and KATP Channels. <b>2016</b> ,	

243	The role of the mechanisms of anoikis and autophagy in the pathogenesis of endometriosis (a review). <b>2017</b> , 23, 81	2
242	Der Zelltod. 1155-1169	
241	Effects of Histone Deacetylase Inhibitor Panobinostat (LBH589) on Bone Marrow Mononuclear Cells of Relapsed or Refractory Multiple Myeloma Patients and Its Mechanisms. <b>2017</b> , 23, 5150-5157	1
240	Fluorescent investigation on process of tBid inducing membrane permeabilization. <b>2018</b> , 67, 148703	1
239	POLUI D ATMOSF RICA E POSS VEIS EFEITOS D POPULAD D DE RECIFE: AVALIAD D DE MORTE CELULAR, RESPOSTAS INFLAMAT RIAS E ESTRESSE OXIDATIVO EM C ULLAS PULMONARES EXPOSTAS A MATERIAL PARTICULADO.	
238	Apoptosis Activity of the Mouse Macrophage Cell Line J774A.1 Infected with a Recombinant BCG consisting the C-Terminus of Merozoite Surface Protein-1 of. <b>2018</b> , 29, 53-76	
237	Baz istasyonundan yay <del>la</del> n 3G cep telefonu radyasyonunun hepatosel ler karsinoma h lere hatt <del>ñ</del> da 14-3-3 Protein Ailesine etkisi.	
236	The Drosophila TNF Eiger activates caspase-dependent necrosis when apoptosis is blocked.	
235	In Silico Modeling and Simulation Approach for Apoptosis Caspase Pathways. <b>2019</b> , 17-26	1
234	PGC-1#regulates mitochondrial calcium homeostasis, SR stress and cell death to mitigate skeletal muscle aging.	О
233	Oxidative Stress-Driven Cardiotoicity of Cancer Drugs. <b>2019</b> , 39-57	
232	The Role of Apoptosis in the Pathogenic Mechanism of Critical States (Review). <b>2019</b> , 15, 79-98	1
231	Bax mitochondrial residency is more critical than Bax oligomerization for apoptosis.	
230	Insilico investigation of TNFSF10 signaling cascade in ovarian serous cystadenocarcinoma. <b>2019</b> , 3, 025-034	
229	Leveraging targeted sequencing for non-model species: a step-by-step guide to obtain a reduced SNP set and a pipeline to automate data processing in the Antarctic Midge, Belgica antarctica.	О
228	Minimally disruptive optical control of protein tyrosine phosphatase 1B.	
227	Role of apoptosis repressor with caspase recruitment domain (ARC) in cancer. <b>2019</b> , 18, 5691-5698	0
226	Contingency and chance erase necessity in the experimental evolution of ancestral proteins.	

Radiobiology of Radiosurgery and Hypofractionated Treatments. 2020, 165-184 225 Pathophysiology of Neuronal Cell Death After Stroke. 2020, 235-241 224 Apamin-induced alterations in J774 1.6 macrophage metabolism. 2020, 72, 2193-2200 223 Antimycobacterial Attributes of Mitochondria: An Insight into Host Defense Mechanisms. 2021, 121-129 Anti-cancer efficacy of Aloe vera capped hematite nanoparticles in human breast cancer (MCF-7) 221 2 cells. 2020, 60, 102052 Molecular mechanisms of cell death. 2022, 65-92 220 Discovery and Chemical Development of S 44563, a Dual Bcl-2/Bcl-xL Inhibitor. 2020, 179-214 219 O Induction of cytotoxicity by in human breast carcinoma (MCF-7) cell line via activation of the 218 3 intrinsic pathway. 2020, 11, 233-237 Cell Proliferation, Survival, Necrosis and Apoptosis. 2020, 743-824 217 1 AfRip3, a RIP3-like kinase, is identified as a key modulator of necroptotic death in Aspergillus 216 fumigatus. TAL effector-dependent Bax gene expression in transgenic rice confers disease resistance to 215 0 Xanthomonas oryzae pv. oryzae. 2021, 1 Targeting Oncogenes Which Regulate Apoptosis. 2005, 117-144 214 Zellul Be Signale und Signal Bertragung: Kommunikation zwischen Zellen. 2005, 771-827 213 Does anaesthesia influence the apoptosis pathway?. 2006, 669-676 212 Cell Death and Transcription. 2006, 431-444 211 Overview: Regeneration and Repair. 2008, 1-37 210 State-of-the-Art Lecture: Genetics of Crohnd disease: lessons from an impaired barrier. 118-132 209 The Seed of Selfishness. 2008, 9-26 208

207 Apoptosis in Cutaneous Melanoma. 2009, 111-125

206	Apoptosis in Exocrine Acinar Cells. <b>2009</b> , 57-72	
205	To live or die: a critical decision for the lung. <b>2005</b> , 115, 828-30	6
204	Anticancer activities of cyclohexenone derivatives. <b>2020</b> , 63,	1
203	Ischemic preconditioning: protection against myocardial necrosis and apoptosis. 2007, 3, 629-37	52
202	Characterization and evolution of the cell cycle-associated mob domain-containing proteins in eukaryotes. <b>2007</b> , 3, 121-58	10
201	Bcl-2 family members: dual regulators of apoptosis and autophagy. <b>2008</b> , 4, 600-6	213
200	The mitochondria-targeted nitroxide JP4-039 augments potentially lethal irradiation damage repair. <b>2009</b> , 23, 717-26	43
199	TRAIL receptor signaling and therapeutic option in bone tumors: the trap of the bone microenvironment. <b>2012</b> , 2, 45-64	10
198	The synergistic cytotoxic effect of cisplatin and honey bee venom on human ovarian cancer cell line A2780cp. <b>2012</b> , 3, 22-7	18
197	Role of the esophageal vagus neural pathway in ionizing irradiation-induced seizures in nitric oxide synthase-1 homologous recombinant negative NOS1-/- mice. <b>2011</b> , 25, 861-9	3
196	Tumor Necrosis Factor-⊞Life and Death of Hepatocytes During Liver Ischemia/Reperfusion Injury. <b>2013</b> , 13, 119-30	47
195	the lemene effectively suppresses the growth and survival of both platinum-sensitive and -resistant ovarian tumor cells. <b>2012</b> , 32, 3103-13	25
194	Nuclear transcription factor Y and its roles in cellular processes related to human disease. <b>2013</b> , 3, 339-46	36
193	Induction of tumor cell apoptosis by a novel class of N-thiolated beta-lactam antibiotics with structural modifications at N1 and C3 of the lactam ring. <b>2008</b> , 21, 689-95	15
192	Apoptotic genes expression in placenta of clubfoot-like fetus pregnant rats. <b>2014</b> , 7, 677-84	3
191	The Study of DNA Methylation of bax Gene Promoter in Breast and Colorectal Carcinoma Cell Lines. <b>2013</b> , 6, 59-64	8
190	The role of RIP1 and RIP3 in the development of aplastic anemia induced by cyclophosphamide and busulphan in mice. <b>2014</b> , 7, 8411-20	7

189	Immunohistochemical analysis of Bax and AIF in colorectal tumors. <b>2015</b> , 8, 16071-6	4
188	MiR-181a influences the cognitive function of epileptic rats induced by pentylenetetrazol. <b>2015</b> , 8, 12861-8	14
187	The downregulation of Bcl-xL/Bcl-2-associated death promoter indicates worse outcomes in patients with small cell lung carcinoma. <b>2015</b> , 8, 13075-82	5
186	Effect of thermal stress on expression profile of apoptosis related genes in peripheral blood mononuclear cells of transition Sahiwal cow. <b>2015</b> , 16, 137-43	8
185	Genetic variants of gene predict clinical outcomes of non-small-cell lung cancer patients treated with platinum-based chemotherapy in a Chinese population. <b>2016</b> , 6, 2310-2322	
184	Flavonoids of Piper sarmentosum and its cytoprotective effects against oxidative stress. <b>2012</b> , 11, 705-714	17
183	Mitochondria in oocyte aging: current understanding. <b>2017</b> , 9, 29-38	22
182	The expression profile of developmental stage-dependent circular RNA in the immature rat retina. <b>2017</b> , 23, 457-469	21
181	scorpion venom induces apoptosis in the triple negative human breast cancer cell line MDA-MB-231. <b>2017</b> , 8, 9-13	7
180	Extracted metabolite from ABRIINW111 altered the gene expression in colon cancer. <b>2018</b> , 11, 34-41	3
179	Composite ammonium glycyrrhizin has hepatoprotective effects in chicken hepatocytes with lipopolysaccharide/enrofloxacin-induced injury. <b>2020</b> , 20, 52	О
178	The Role of Elastography in Non-Alcoholic Fatty Liver Disease. <b>2020</b> , 46, 255-269	
177	Licochalcone B Ameliorates Liver Cancer via Targeting of Apoptotic Genes, DNA Repair Systems, and Cell Cycle Control. <b>2020</b> , 19, 372-386	
176	Evaluation of Nrf2, Keap1 and Apoptotic Pathway Genes Expression in Acute Myeloid Leukemia Patients. <b>2021</b> , 20, 398-407	
175	Evaluation of Apoptosis Induction by Newcastle Disease Virus LaSota Strain in Human Breast Carcinoma Cells. <b>2020</b> , 75, 367-376	1
174	anticancer activity of a pentacyclic triterpenoid via the mitochondrial pathway in bone-invasive oral squamous cell carcinoma. <b>2021</b> , 25, 313-321	
173	Development of potential anticancer agents and apoptotic inducers based on 4-aryl-4H chromene scaffold: Design, synthesis, biological evaluation and insight on their proliferation inhibition mechanism. <b>2022</b> , 118, 105475	0
172	Review: The case for studying mitochondrial function during plant cryopreservation <b>2022</b> , 315, 111134	2

Detection of Apoptosis Initiated in Treated HepG2 Cells with t-BHP: The Role of Phytochemicals to Reduce Toxicity and Stop Apoptosis. **2021**, 2, 745-767

170	Regulation of Cell Death Signaling Pathways in Cardiac Myocytes by Mitochondrial Bnip3. <b>2022</b> , 239-251	
169	Integration of intestinal microbiota and transcriptomic and metabolomic responses reveals the toxic responses of Litopenaeus vannamei to microcystin-LR. <b>2021</b> , 228, 113030	4
168	Toxic effects of zinc oxide nanoparticles and histopathological and caspase-9 expression changes in the liver and lung tissues of male mice model. <b>2022</b> , 12, 193	O
167	Anticancer Applications and Pharmacological Properties of Piperidine and Piperine: A Comprehensive Review on Molecular Mechanisms and Therapeutic Perspectives <b>2021</b> , 12, 772418	3
166	Deduction of CDC42EP3 suppress development and progression of osteosarcoma <b>2022</b> , 412, 113018	
165	Sertraline repositioning: an overview of its potential use as a chemotherapeutic agent after four decades of tumor reversal studies <b>2021</b> , 16, 101303	2
164	Effects of dietary arachidonic acid on growth, immunity and intestinal microbiota of Litopenaeus vannamei under microcystin-LR stress. <b>2022</b> , 549, 737780	O
163	Composite ammonium glycyrrhizin has hepatoprotective effects in chicken hepatocytes with lipopolysaccharide/enrofloxacin-induced injury. <b>2020</b> , 20, 1-1	1
162	Systematic Review of Gossypol/AT-101 in Cancer Clinical Trials <b>2022</b> , 15,	1
161	Optimization of endothelial growth factor receptor monoclonal antibody-gold nanorods photothermal therapy for laryngeal squamous cell carcinoma <b>2022</b> , 13, 3262-3274	1
160	Interferon regulatory factor-1 regulates cisplatin-induced apoptosis and autophagy in A549 lung cancer cells <b>2022</b> , 39, 38	
159	Cancer and apoptosis. <b>2022</b> , 103-116	
158	A novel nordihydroguaiaretic acid analog, compound 3a, alleviates acute lung injury by exerting antiapoptotic and antiinflammatory effects <b>2022</b> , 919, 174777	Ο
157	MicroRNA-223-3p Protect Against Radiation-Induced Cardiac Toxicity by Alleviating Myocardial Oxidative Stress and Programmed Cell Death Targeting the AMPK Pathway <b>2021</b> , 9, 801661	1
156	Synthesis, Crystal Structure, Hirshfeld Surface Analysis and Docking Studies of a Novel Flavonethalcone Hybrid Compound Demonstrating Anticancer Effects by Generating ROS through Glutathione Depletion. <b>2022</b> , 12, 108	3
155	TSST-1 protein exerts indirect effect on platelet activation and apoptosis 2022, 1-11	
154	Impact of Hepatitis C Virus Infection of Peripheral Blood Mononuclear Cells on the Immune System. <b>2022</b> , 1,	O

153	Immune responses and inorganic ion transport regulations of Epinephelus coioides in response to L321_RS13075 gene of Pseudomonas plecoglossicida <b>2021</b> , 120, 599-609	О
152	Downregulation of CPT2 promotes proliferation and inhibits apoptosis through p53 pathway in colorectal cancer <b>2022</b> , 92, 110267	1
151	Purification and structural characterization of lectin with antibacterial and anticancer properties from grubs of hide beetle, Dermestes frischii <b>2022</b> , 203, 312-332	0
150	Epigallocatechin 3-gallate: From green tea to cancer therapeutics <b>2022</b> , 379, 132135	16
149	Arsenic compounds induce apoptosis by activating the MAPK and caspase pathways in FaDu oral squamous carcinoma cells <b>2022</b> , 60,	1
148	Sanguinarine induces apoptosis in Eimeria tenella sporozoites via the generation of reactive oxygen species <b>2022</b> , 101, 101771	1
147	Prognostic impact of immunophenotyping of diffuse large B-cell lymphoma - a single-centre experience. <b>2022</b> , 67, 43-54	
146	Clinical Significance of Circulating Serum Levels of sCD95 and TNF-IIn Cytoprotection of Cervical Cancer <b>2022</b> , 10, 711-721	
145	Reactive Oxygen Species in Oral Squamous Cell Carcinoma Progression and Importance of Stem Cells in Cancer Therapeutics. <b>2022</b> , 1-24	
144	Combination Treatment of Sorafenib and Bufalin Induces Apoptosis in NCI-H292 Human Lung Cancer Cells <b>2022</b> , 36, 582-595	
143	Cell death. <b>2022</b> , 861-870	
142	Exploring the Mechanism of Danshensu in the Treatment of Doxorubicin-Induced Cardiotoxicity Based on Network Pharmacology and Experimental Evaluation <b>2022</b> , 9, 827975	O
141	Controlled Intracellular Polymerization for Cancer Treatment <b>2022</b> , 2, 579-589	2
140	miR-424 inhibits apoptosis and inflammatory responses induced by sevoflurane through TLR4/MyD88/NF- <b>B</b> pathway <b>2022</b> , 22, 52	1
139	Reduced ER-mitochondria connectivity promotes neuroblastoma multidrug resistance 2022, e108272	2
138	The Effect of Sericin on the Cognitive Impairment, Depression, and Anxiety Caused by Learned Helplessness in Male Mice <b>2022</b> , 1	O
137	Recent Advancements in Mitochondria-Targeted Nanoparticle Drug Delivery for Cancer Therapy <b>2022</b> , 12,	2
136	Apoptosis-Inducing Factor 2 (AIF-2) Mediates a Caspase-Independent Apoptotic Pathway in the Tropical Sea Cucumber () <b>2022</b> , 23,	

135	Molecular basis of apoptotic DNA fragmentation by DFF40 <b>2022</b> , 13, 198	О
134	Metabolic Seizure Resistance via BAD and KATP Channels. <b>2022</b> , 321-335	
133	Bax/Bcl-2 Cascade Is Regulated by the EGFR Pathway: Therapeutic Targeting of Non-Small Cell Lung Cancer <b>2022</b> , 12, 869672	3
132	Design, Synthesis, Biological Evaluation, and Molecular Docking Studies of Thiazolidine-2,4-dione Derivatives as Mcl-1 Inhibitors. <b>2022</b> , 92, 464-469	O
131	Involvement of autophagy in the maintenance of rat intervertebral disc homeostasis: an in-vitro and in-vivo RNA interference study of Atg5 <b>2021</b> ,	2
130	Synthesis, Characterization, and In Vivo Study of Some Novel 3,4,5-Trimethoxybenzylidene-hydrazinecarbothioamides and Thiadiazoles as Anti-Apoptotic Caspase-3 Inhibitors <b>2022</b> , 27,	O
129	Induction of Apoptosis by Metabolites of Rhei Radix et Rhizoma (Da Huang): A Review of the Potential Mechanism in Hepatocellular Carcinoma <b>2022</b> , 13, 806175	0
128	An acetylated mannan isolated from Aloe vera induce colorectal cancer cells apoptosis via mitochondrial pathway. <b>2022</b> , 119464	3
127	Induced Effect of Zinc oxide nanoparticles on human acute myeloid leukemia cell apoptosis by regulating mitochondrial division <b>2022</b> ,	О
126	Programmed Cell Death-Dependent Host Defense in Ocular Herpes Simplex Virus Infection <b>2022</b> , 13, 869064	O
125	Goniothalamin Suppressed Glioblastoma Cell Proliferation Through p38 MAPK Phosphorylation Mediated Apoptosis. <b>2022</b> , 18, 746-752	
124	Mitochondrial ribosomal protein genes connected with Alzheimer's and tellurite toxicity 2022,	1
123	Nanobiomaterials in support of drug delivery related issues. <b>2022</b> , 279, 115680	2
122	Sirtuin 3 and mitochondrial permeability transition pore (mPTP): a systematic review 2022,	0
121	Activation of , , and in Target Organs From Piglets Infected With the Virulent PRRSV-1 Lena Strain <b>2021</b> , 12, 773146	О
120	Targeting the Intrinsic Apoptosis Pathway: A Window of Opportunity for Prostate Cancer <b>2021</b> , 14,	4
119	Antitumor Effects of Scorpion Peptide Smp43 through Mitochondrial Dysfunction and Membrane Disruption on Hepatocellular Carcinoma. <b>2021</b> ,	1
118	Ailanthone suppresses the activity of human colorectal cancer cells through the STAT3 signaling pathway <b>2022</b> , 49,	1

117	Killing by Degradation: Regulation of Apoptosis by the Ubiquitin-Proteasome-System 2021, 10,	1
116	Molecular Cloning of Dynein Heavy Chain and the Effect of Dynein Inhibition on the Testicular Function of <b>2021</b> , 11,	1
115	Detection of Phosphatidylserine Exposure on Leukocytes Following Treatment with Human Galectins <b>2022</b> , 2442, 533-548	
114	Rhynchophylline Regulates Calcium Homeostasis by Antagonizing Ryanodine Receptor 2 Phosphorylation to Improve Diabetic Cardiomyopathy <b>2022</b> , 13, 882198	O
113	Inhibition of STAT3-ferroptosis negative regulatory axis suppresses tumor growth and alleviates chemoresistance in gastric cancer <b>2022</b> , 52, 102317	3
112	Hepatoprotective role of vitexin against cadmium-induced liver damage in male rats: A biochemical, inflammatory, apoptotic and histopathological investigation <b>2022</b> , 150, 112934	4
111	Apoptotic pathways and cancer. 256-272	
110	Data_Sheet_1.docx. <b>2018</b> ,	
109	Presentation_1.pdf. <b>2020</b> ,	
108	Data_Sheet_1.docx. <b>2020</b> ,	
107	Data_Sheet_2.docx. <b>2020</b> ,	
106	Data_Sheet_1.docx. <b>2019</b> ,	
105	Septins promote caspase activity and coordinate mitochondrial apoptosis 2022,	O
104	In vitro anticancer activity of a pentacyclic triterpenoid via the mitochondrial pathway in bone-invasive oral squamous cell carcinoma. <b>2021</b> , 25, 313	O
103	Novel heterobimetallic Ir(III)-Re(I) complexes: design, synthesis and antitumor mechanism investigation <b>2022</b> ,	0
102	Eleutheroside E alleviates cerebral ischemia-reperfusion injury in a 5-hydroxytryptamine receptor 2C (Htr2c)-dependent manner in rats <b>2022</b> , 13, 11718-11731	Ο
101	An Update to Hallmarks of Cancer. <b>2022</b> ,	0
100	LARS2 Regulates Apoptosis via ROS-Mediated Mitochondrial Dysfunction and Endoplasmic Reticulum Stress in Ovarian Granulosa Cells <b>2022</b> , 2022, 5501346	2

99	Syringic acid suppressed proliferation, invasion, and migration via inhibition of matrix metalloproteinases expression on glioblastoma cells by promoting apoptosis <b>2022</b> ,	
98	PM2.5-Induced Programmed Myocardial Cell Death via mPTP Opening Results in Deteriorated Cardiac Function in HFpEF Mice <b>2022</b> ,	
97	A unique form of collective epithelial migration is crucial for tissue fusion in the secondary palate and can overcome loss of epithelial apoptosis <b>2022</b> ,	2
96	Enhanced in vitro cytotoxicity and antitumor activity in vivo of iridium(III) complexes liposomes targeting endoplasmic reticulum and mitochondria. <b>2022</b> , 233, 111868	1
95	Loss of cell division cycle-associated 5 promotes cell apoptosis by activating DNA damage response in clear cell renal cell carcinoma. <b>2022</b> , 61,	О
94	At the Crossroads of Life and Death: The Proteins That Influence Cell Fate Decisions. <b>2022</b> , 14, 2745	2
93	Photodynamic Therapy : An Overview and Insights into a Prospective Mainstream Anticancer Therapy. 821-848	
92	Cryopreservation Competence of Chicken Oocytes as a Model of Endangered Wild Birds: Effects of Storage Time and Temperature on the Ovarian Follicle Survival. <b>2022</b> , 12, 1434	О
91	Thioredoxin signaling pathways in cancer.	2
90	The roles of ubiquitination-mediated intrinsic apoptotic signalling in cancer therapy. <b>2022</b> , 2,	
89	Dietary zearalenone alters gill epithelial morphology and subsequent risk of infection: Insights from a freshwater grass carp (Ctenopharyngodon idella) model. <b>2022</b> , 738533	
88	Chrysin Induces Apoptosis and Autophagy in Human Melanoma Cells via the mTOR/S6K Pathway. <b>2022</b> , 10, 1467	
87	The Big Picture of Neurodegeneration: A Meta Study to Extract the Essential Evidence on Neurodegenerative Diseases in a Network-Based Approach. 14,	0
86	The Impact of General Anesthesia on Redox Stability and Epigenetic Inflammation Pathways: Crosstalk on Perioperative Antioxidant Therapy. <b>2022</b> , 11, 1880	o
85	Sigma-1 Receptor in Retina: Neuroprotective Effects and Potential Mechanisms. 2022, 23, 7572	O
84	Curbing the fruitfulness of self-replicating machines. 1-17	О
83	Mitohormesis and mitochondrial dynamics in the regulation of stem cell fate.	O

81	Response of microbiota and immune function to different hypotonic stress levels in giant freshwater prawn Macrobrachium rosenbergii post-larvae. <b>2022</b> , 844, 157258	О
80	B cells in the balance: Offsetting self-reactivity avoidance with protection against foreign. 13,	Ο
79	Synthesis of Carvacrol Derivatives as Potential New Anticancer Agent against Lung Cancer. <b>2022</b> , 27, 4597	3
78	Molecular mechanisms of programmed cell death in methamphetamine-induced neuronal damage. 13,	O
77	Cadmium exposure induces autophagy via PLC-IP 3 -IP 3 R signaling pathway in duck renal tubular epithelial cells.	
76	The Flavagline Compound 1-(2-(dimethylamino)acetyl)-Rocaglaol Induces Apoptosis in K562 Cells by Regulating the PI3K/Akt/mTOR, JAK2/STAT3, and MAPK Pathways. Volume 16, 2545-2557	1
75	Integrative analyses of mRNA and microRNA expression profiles reveal the innate immune mechanism for the resistance to Vibrio parahaemolyticus infection in Epinephelus coioides. 13,	
74	Synthesis of silver nanoparticles using Alpinia officinarum rhizome extract induces apoptosis through down-regulating Bcl-2 in human cancer cells.	
73	Transcriptional response of short-term nanoplastic exposure in Monodonta labio. <b>2022</b> , 182, 114005	
72	Two-dimensional silicene photodynamic tumor-targeting nanomedicine. <b>2022</b> , 16, 100393	Ο
71	Lysosome-targeted cyclometalated iridium(III) complexes: JMJD inhibition, dual induction of apoptosis, and autophagy. <b>2022</b> , 14,	1
70	Reactive Oxygen Species in Oral Squamous Cell Carcinoma Progression and Importance of Stem Cells in Cancer Therapeutics. <b>2022</b> , 2403-2426	O
69	Molecular Insights into the Role of ER Stress in Neurodegenerative Diseases. <b>2022</b> , 219-249	О
68	Role of Tumor-associated neutrophils in the breast tumor microenvironment. <b>2022</b> , 171-194	O
67	Anticancer and apoptotic effects of a polysaccharide extract isolated from Lactarius chrysorrheus Fr. in HepG2 and PANC-1 cell lines. <b>2022</b> , 30-30	O
66	Mechanism of Citri Reticulatae Pericarpium as an Anticancer Agent from the Perspective of Flavonoids: A Review. <b>2022</b> , 27, 5622	1
65	Insight into the interplay between mitochondria-regulated cell death and energetic metabolism in osteosarcoma. 10,	0
64	Photodynamic therapy of lung cancer, where are we?. 13,	1

63	Expression Changes in Mitochondrial Genes Affecting Mitochondrial Morphology, Transmembrane Potential, Fragmentation, Amyloidosis, and Neuronal Cell Death Found in Brains of Alzheimer Disease Patients. <b>2022</b> , 1-19	0
62	A novel hKDR mouse model depicts the anti-angiogenesis and apoptosis-promoting effects of neutralizing antibodies targeting VEGFR2.	Ο
61	A vicious circle in breast cancer: The interplay between inflammation, reactive oxygen species, and microRNAs. 12,	0
60	Teak Seedlings' Physiological and Gene Expression Responses to Salt and Osmotic Stress.	O
59	MCL-1 is a master regulator of cancer dependency on fatty acid oxidation. 2022, 41, 111445	2
58	Hypericin, a potential new BH3 mimetic. 13,	Ο
57	Deubiquitinating Enzyme USP12 Regulates the Pro-Apoptosis Protein Bax. <b>2022</b> , 23, 13107	0
56	Mechanisms of venetoclax resistance and solutions. 12,	1
55	Evaluation of P53 protein expression in gingival tissues of patients with chronic periodontitis by immunohistochemistry methods.	0
54	TRAIL in the Treatment of Cancer: From Soluble Cytokine to Nanosystems. <b>2022</b> , 14, 5125	2
53	Endogenous and imposed determinants of apoptotic vulnerabilities in cancer. 2022,	0
52	Cancer and Cell Death. 1-16	O
51	Reinventing the Penumbra Lihe Emerging Clockwork of a Multi-modal Mechanistic Paradigm.	Ο
50	Regulation of the aryl hydrocarbon receptor in cancer and cancer stem cells of gynecological malignancies: An update on signaling pathways. <b>2022</b> , 86, 1186-1202	1
49	A nano-delivery system expands the insecticidal target of thiamethoxam to include a devastating pest fall armyworm.	0
48	Ferroptosis-related small-molecule compounds in cancer therapy: Strategies and applications. <b>2022</b> , 244, 114861	O
47	Immunohistochemical Changes in the Testicular Excurrent Duct System of Healthy, Male Japanese Quail (Coturnix coturnix japonica) Observed at 4, 617, 12, and 52 Weeks of Age. <b>2022</b> , 23, 14028	0
46	Mitochondrial dynamics and oxidative phosphorylation as targets in cancer. 2022,	O

45	Mechanism of Resveratrol-Induced Programmed Cell Death and New Drug Discovery against Cancer: A Review. <b>2022</b> , 23, 13689	3
44	In Vitro and In Vivo Biological Activity of Ruthenium 1,10-Phenanthroline-5,6-dione Arene Complexes. <b>2022</b> , 23, 13594	1
43	Recent advances in quantum nanophotonics: plexcitonic and vibro-polaritonic strong coupling and its biomedical and chemical applications. <b>2022</b> ,	1
42	Effects of elevated temperature on 8-OHdG expression in the American oyster (Crassostrea virginica): Induction of oxidative stress biomarkers, cellular apoptosis, DNA damage and 田2AX signaling pathways. <b>2023</b> , 4, 100079	О
41	Evidence for Multilevel Chemopreventive Activities of Natural Phenols from Functional Genomic Studies of Curcumin, Resveratrol, Genistein, Quercetin, and Luteolin. <b>2022</b> , 23, 14957	О
40	Targeting TRAIL Death Receptors in Triple-Negative Breast Cancers: Challenges and Strategies for Cancer Therapy. <b>2022</b> , 11, 3717	1
39	Anticancer Effects of Fucoxanthin through Cell Cycle Arrest, Apoptosis Induction, Angiogenesis Inhibition, and Autophagy Modulation. <b>2022</b> , 23, 16091	1
38	Role of Immunosuppressive and Immunomodulatory Agents in Cancer.	O
37	Effects of hypoxia and reoxygenation on oxidative stress, histological structure, and apoptosis in a new hypoxia-tolerant variety of blunt snout bream (Megalobrama amblycephala). <b>2022</b> , 111358	O
36	Curcumin-Encapsulated Fusion Protein-Based Nanocarrier Demonstrated Highly Efficient Epidermal Growth Factor Receptor-Targeted Treatment of Colorectal Cancer. <b>2022</b> , 70, 15464-15473	O
35	Design, Synthesis, Docking Studies and Biological Evaluation of Novel Benzochromenopyrimidines via Silica Sulfuric Acid Catalyzed Reaction on Apoptosis in Human Cancer Cells. 1-24	О
34	Sodium arsenite and dimethylarsenic acid induces apoptosis in OC3 oral cavity cancer cells. <b>2022</b> , 27,	О
33	Apoptotic Cell Death via Activation of DNA Degradation, Caspase-3 Activity, and Suppression of Bcl-2 Activity: An Evidence-Based Citrullus colocynthis Cytotoxicity Mechanism toward MCF-7 and A549 Cancer Cell Lines. <b>2022</b> , 9, 411	О
32	Signaling and Function of Death Receptors of the Tumor Necrosis Factor Receptor Superfamily. <b>2016</b> , 85-94	O
31	Molecular Basis of Frontal Bones Deformation During Metamorphosis. 2022, 121-136	О
30	The role of pyroptosis in endothelial dysfunction induced by diseases. 13,	О
29	Promoting effects of calponin 3 on the growth of diffuse large B-cell lymphoma cells. 2023, 49,	О
28	Toxicity of titanium dioxide nanoparticles on the histology, liver physiological and metabolism, and intestinal microbiota of grouper. <b>2023</b> , 187, 114600	О

27	An Overview on Gold Nanorods as Versatile Nanoparticles in Cancer Therapy. 2023, 354, 221-242	1
26	The HL-60 human promyelocytic cell line constitutes an effective in vitro model for evaluating toxicity, oxidative stress and necrosis/apoptosis after exposure to black carbon particles and 2.45 GHz radio frequency. <b>2023</b> , 867, 161475	0
25	Cytoprotective Effect of Hot-Water Extracts of Protaetia brevitarsis seulensis Larvae in Cisplatin-Treated Macrophages. <b>2022</b> , 51, 1252-1258	0
24	The role of pyroptosis in endothelial dysfunction induced by diseases. 13,	O
23	DRP1 Inhibition Enhances Venetoclax-Induced Mitochondrial Apoptosis in TP53-Mutated Acute Myeloid Leukemia Cells through BAX/BAK Activation. <b>2023</b> , 15, 745	O
22	NRF1 Regulates the Epithelial Mesenchymal Transition of Breast Cancer by Modulating ROS Homeostasis. <b>2023</b> , 22, 153303382311611	O
21	Insights of Chinese herbal medicine for mitochondrial dysfunction in chronic cerebral hypoperfusion induced cognitive impairment: Existed evidences and potential directions. 14,	0
20	AMPK/mTOR/p70S6K axis prevents apoptosis of Porphyromonas gingivalis-infected gingival epithelial cells via BadSer136 phosphorylation.	O
19	Comparative- and network-based proteomic analysis of bacterial chondronecrosis with osteomyelitis lesions in broiler proximal tibiae identifies new molecular signatures of lameness. <b>2023</b> , 13,	О
18	Dietary zearalenone alters gill epithelial morphology and subsequent risk of infection: Insights from a freshwater grass carp (Ctenopharyngodon idella) model. <b>2023</b> , 571, 739455	O
17	Antitumor and antimicrobial effect of syringic acid urea cocrystal: Structural and spectroscopic characterization, DFT calculation and biological evaluation. <b>2023</b> , 1282, 135113	1
16	Effects of Aronia melanocarpa and Hypericum perforatum aqueous extracts on hexavalent chromium induced toxicity in rata thyrocytes. <b>2023</b> , 78, 127151	O
15	ACKR4a induces autophagy to block NF- <b>B</b> signaling and apoptosis to facilitate Vibrio harveyi infection. <b>2023</b> , 26, 106105	О
14	Comparative neuroprotective effects of Cerebrolysin, dexamethasone, and ascorbic acid on sciatic nerve injury model: Behavioral and histopathological study. 17,	O
13	Analysis method of cellular stress caused by intermediate dose-rate irradiation using a cell lysate array technique. <b>2023</b> , 28, 288-306	O
12	Study on co-delivery of pemetrexed disodium and Bcl-2 siRNA by poly-Eglutamic acid-modified cationic liposomes for the inhibition of NSCLC. <b>2023</b> , 49, 62-74	O
11	Preclinical In Vitro Investigation of MDM2 Inhibition in Combination with Antiangiogenic Therapy for Breast Cancer Treatment. <b>2023</b> , 91, 12	O
10	Electronic Cigarette Exposure Increases the Severity of Influenza a Virus Infection via TRAIL Dysregulation in Human Precision-Cut Lung Slices. <b>2023</b> , 24, 4295	0

## CITATION REPORT

9	Molecular modeling study of pyrrolidine derivatives as novel myeloid cell leukemia-1 inhibitors through combined 3D-QSAR, molecular docking, ADME/Tox and MD simulation techniques. 1-17	Ο
8	Panic at the Bile Duct. <b>2023</b> ,	O
7	MicroRNAs as Biomarkers of Surgical Outcome in Mesial Temporal Lobe Epilepsy: A Systematic Review. <b>2023</b> , 24, 5694	O
6	The abundances of LTF and SOD2 in amniotic fluid are potential biomarkers of gestational age and preterm birth. <b>2023</b> , 13,	0
5	Galectin-9 in Gastroenterological Cancer. <b>2023</b> , 24, 6174	0
4	The Complex Role of HBeAg and Its Precursors in the Pathway to Hepatocellular Carcinoma. <b>2023</b> , 15, 857	O
3	Anticancer Potential and Molecular Mechanisms of Cinnamaldehyde and Its Congeners Present in the Cinnamon Plant. <b>2023</b> , 3, 173-207	O
2	Minnelide Markedly Reduces Proteinuria in Mice with Adriamycin Nephropathy by Protecting Against Podocyte Injury.	0
1	Apoptosis.	0