

CITATION REPORT

List of articles citing

Bid, a Bcl2 interacting protein, mediates cytochrome c release from mitochondria in response to activation of cell surface death receptors

DOI: 10.1016/s0092-8674(00)81589-5
Cell, 1998, 94, 481-90.

Source: <https://exaly.com/paper-pdf/29269645/citation-report.pdf>

Version: 2024-04-26

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
2369	The association of deamidation of Bcl-xL and translocation of Bax to the mitochondria through activation of JNK in the induction of apoptosis by treatment with GSH-conjugated DXR. 1992 , 33, 389		2
2368	Activation of the dsRNA-dependent protein kinase, PKR, induces apoptosis through FADD-mediated death signaling. <i>EMBO Journal</i> , 1998 , 17, 6888-902	13	301
2367	Cell suicide for beginners. 1998 , 396, 119-22		556
2366	Death by a thousand cuts: an ever increasing list of caspase substrates. 1998 , 5, 997-1000		249
2365	CD95 mediated T cell apoptosis and its relevance to immune deviation. 1998 , 17, 3271-6		24
2364	Mechanisms of cell death in hypoxia/reoxygenation injury. 1998 , 17, 3341-9		220
2363	Caspases: the proteases of the apoptotic pathway. 1998 , 17, 3237-45		875
2362	Signal transduction pathways that regulate cell survival and cell death. 1998 , 17, 3207-13		153
2361	Role of hypoxia-induced Bax translocation and cytochrome c release in reoxygenation injury. 1998 , 17, 3401-15		285
2360	Bcl-2 family proteins. 1998 , 17, 3225-36		878
2359	Role of Bcl-2 family proteins in apoptosis: apoptosomes or mitochondria?. 1998 , 3, 697-707		454
2358	Apoptotic pathways: the roads to ruin. <i>Cell</i> , 1998 , 94, 695-8	56.2	1036
2357	Apaf1 is required for mitochondrial pathways of apoptosis and brain development. <i>Cell</i> , 1998 , 94, 739-50	56.2	988
2356	Cleavage of human cytosolic phospholipase A2 by caspase-1 (ICE) and caspase-8 (FLICE). 1998 , 253, 92-8		25
2355	Mitochondrial transport of cations: channels, exchangers, and permeability transition. 1999 , 79, 1127-55		1277
2354	Calcium signaling and cytotoxicity. 1999 , 107 Suppl 1, 25-35		164
2353	The regulation of apoptotic cell death. 1999 , 32, 1053-61		31

2352	All along the watchtower: on the regulation of apoptosis regulators. 1999 , 13, 1647-57	127
2351	V. Necrapoptosis and the mitochondrial permeability transition: shared pathways to necrosis and apoptosis. 1999 , 276, G1-6	118
2350	Dysregulation of apoptosis in cancer. 1999 , 17, 2941-53	1035
2349	Glutathione depletion causes cytochrome c release even in the absence of cell commitment to apoptosis. 1999 , 13, 2031-6	125
2348	BAX translocation is a critical event in neuronal apoptosis: regulation by neuroprotectants, BCL-2, and caspases. 1999 , 19, 7476-85	281
2347	Subcellular Distribution and Redistribution of Bcl-2 Family Proteins in Human Leukemia Cells Undergoing Apoptosis. 1999 , 93, 2353-2359	79
2346	Purified Photoproducts of Merocyanine 540 Trigger Cytochrome C Release and Caspase 8-Dependent Apoptosis in Human Leukemia and Melanoma Cells. 1999 , 93, 4096-4108	53
2345	Liposomal ET-18-OCH3 Induces Cytochrome c-Mediated Apoptosis Independently of CD95 (APO-1/Fas) Signaling. 1999 , 94, 3583-3592	38
2344	Calpain Functions in a Caspase-Independent Manner to Promote Apoptosis-Like Events During Platelet Activation. 1999 , 94, 1683-1692	293
2343	Man-made mineral fibers induce apoptosis of human peripheral blood mononuclear cells similarly to chrysotile B. 1999 , 4, 633-7	6
2342	Apoptosis of colorectal adenocarcinoma induced by 5-FU and/or IFN-gamma through caspase 3 and caspase 8. 1999 , 15, 1191-6	13
2341	Nitric oxide suppresses apoptosis via interrupting caspase activation and mitochondrial dysfunction in cultured hepatocytes. 1999 , 274, 17325-33	204
2340	The mitochondrial apoptotic pathway is activated by serum and glucose deprivation in cardiac myocytes. 1999 , 85, 403-14	246
2339	Cascades of mammalian caspase activation in the yeast <i>Saccharomyces cerevisiae</i> . 1999 , 274, 3189-98	67
2338	Proteolytic processing of the Alzheimer's disease amyloid precursor protein within its cytoplasmic domain by caspase-like proteases. 1999 , 274, 5823-9	140
2337	The pro-apoptotic proteins, Bid and Bax, cause a limited permeabilization of the mitochondrial outer membrane that is enhanced by cytosol. 1999 , 147, 809-22	297
2336	Apoptosis induced by the nuclear death domain protein p84N5 is inhibited by association with Rb protein. 1999 , 10, 3251-61	35
2335	Ordering the cytochrome c-initiated caspase cascade: hierarchical activation of caspases-2, -3, -6, -7, -8, and -10 in a caspase-9-dependent manner. 1999 , 144, 281-92	1614

2334	Altered cytochrome c display precedes apoptotic cell death in <i>Drosophila</i> . 1999 , 144, 701-10	121
2333	A caspase-9 variant missing the catalytic site is an endogenous inhibitor of apoptosis. 1999 , 274, 2072-6	142
2332	Caspase cleaved BID targets mitochondria and is required for cytochrome c release, while BCL-XL prevents this release but not tumor necrosis factor-R1/Fas death. 1999 , 274, 1156-63	816
2331	DNA fragmentation factor 45-deficient cells are more resistant to apoptosis and exhibit different dying morphology than wild-type control cells. 1999 , 274, 37450-4	63
2330	TID1, a human homolog of the <i>Drosophila</i> tumor suppressor l(2)tid, encodes two mitochondrial modulators of apoptosis with opposing functions. 1999 , 96, 8499-504	119
2329	Solution structure of Apaf-1 CARD and its interaction with caspase-9 CARD: a structural basis for specific adaptor/caspase interaction. 1999 , 96, 11265-70	127
2328	A novel BH3-like domain in BID is required for intramolecular interaction and autoinhibition of pro-apoptotic activity. 1999 , 274, 23687-90	41
2327	F1Aalpha, a death receptor-binding protein homologous to the <i>Caenorhabditis elegans</i> sex-determining protein, FEM-1, is a caspase substrate that mediates apoptosis. 1999 , 274, 32461-8	28
2326	Inversion of the intracellular Na ⁺ /K ⁺ ratio blocks apoptosis in vascular smooth muscle at a site upstream of caspase-3. 1999 , 274, 16545-52	88
2325	CLAP, a novel caspase recruitment domain-containing protein in the tumor necrosis factor receptor pathway, regulates NF-kappaB activation and apoptosis. 1999 , 274, 17946-54	91
2324	Suicidal tendencies: apoptotic cell death by caspase family proteinases. 1999 , 274, 20049-52	707
2323	Ion channel activity of the BH3 only Bcl-2 family member, BID. 1999 , 274, 21932-6	151
2322	Activation of an MDM2-specific caspase by p53 in the absence of apoptosis. 1999 , 274, 15271-7	54
2321	Lymphocyte survival--the struggle against death. <i>Annual Review of Cell and Developmental Biology</i> , 1999 , 15, 113-40	12.6 40
2320	Does hepatitis C cause liver injury by pathways associated with mitochondrial dysfunction?. 1999 , 94, 2003-5	11
2319	Activation of Fas by FasL induces apoptosis by a mechanism that cannot be blocked by Bcl-2 or Bcl-x(L). 1999 , 96, 14871-6	276
2318	Alternative, non-secretase processing of Alzheimer's beta-amyloid precursor protein during apoptosis by caspase-6 and -8. 1999 , 274, 21011-6	129
2317	Common regulation of apoptosis signaling induced by CD95 and the DNA-damaging stimuli etoposide and gamma-radiation downstream from caspase-8 activation. 1999 , 274, 14255-61	89

2316	Distinct caspase cascades are initiated in receptor-mediated and chemical-induced apoptosis. 1999 , 274, 5053-60	643
2315	Caspases induce cytochrome c release from mitochondria by activating cytosolic factors. 1999 , 274, 17484-90	241
2314	Caspase-3-dependent cleavage of Bcl-2 promotes release of cytochrome c. 1999 , 274, 21155-61	336
2313	Bid-induced conformational change of Bax is responsible for mitochondrial cytochrome c release during apoptosis. 1999 , 144, 891-901	1101
2312	Expression of Bcl-2 and Bax in oligodendrogliomas and their relationship to apoptosis. 1999 , 25, 400-7	4
2311	Mitochondria and cell death. Mechanistic aspects and methodological issues. 1999 , 264, 687-701	563
2310	Targeted disruption of caspase genes in mice: what they tell us about the functions of individual caspases in apoptosis. 1999 , 77, 58-63	46
2309	Activation-induced apoptosis of autoreactive and alloreactive T lymphocytes in the target organ as a major mechanism of tolerance. 1999 , 77, 216-23	60
2308	Changes in nuclear morphology during apoptosis correlate with vimentin cleavage by different caspases located either upstream or downstream of Bcl-2 action. 1999 , 4, 401-14	88
2307	Hidden powers of the mitochondria. 1999 , 1, E40-2	23
2306	Asymmetry across species. 1999 , 1, E42-4	9
2305	The CED-4-homologous protein FLASH is involved in Fas-mediated activation of caspase-8 during apoptosis. 1999 , 398, 777-85	220
2304	Erratum: The CED-4-homologous protein FLASH is involved in Fas-mediated activation of caspase-8 during apoptosis. 1999 , 400, 89-89	
2303	Correction: Structural basis for initiation of transcription from an RNA polymerase β promoter complex. 1999 , 400, 89-89	0
2302	Bid-deficient mice are resistant to Fas-induced hepatocellular apoptosis. 1999 , 400, 886-91	881
2301	Biddable death. 1999 , 1, E143-5	30
2300	Motivating endosome motility. 1999 , 1, E145-7	12
2299	The significance of apoptosis in the liver. 1999 , 19, 453-63	21

2298	The molecular mechanism of programmed cell death in <i>C. elegans</i> . 1999 , 887, 92-104	66
2297	Activation of apoptosis and its inhibition. 1999 , 886, 132-57	7
2296	Gene targeting in the analysis of mammalian apoptosis and TNF receptor superfamily signaling. 1999 , 169, 283-302	66
2295	Killing HIV-infected cells by transduction with an HIV protease-activated caspase-3 protein. 1999 , 5, 29-33	207
2294	Life and death in a medieval atmosphere. 1999 , 6, 201-6	11
2293	Caspases: their intracellular localization and translocation during apoptosis. 1999 , 6, 644-51	284
2292	Characterization of Apt- cell lines exhibiting cross-resistance to glucocorticoid- and Fas-mediated apoptosis. 1999 , 6, 796-804	9
2291	Ultrarapid caspase-3 dependent apoptosis induction by serine/threonine phosphatase inhibitors. 1999 , 6, 1099-108	112
2290	Caspase structure, proteolytic substrates, and function during apoptotic cell death. 1999 , 6, 1028-42	1274
2289	Mechanisms mediating caspase activation in cell death. 1999 , 6, 1060-6	184
2288	Serial killers: ordering caspase activation events in apoptosis. 1999 , 6, 1067-74	364
2287	Apaf1 and the apoptotic machinery. 1999 , 6, 1087-98	97
2286	Caspases: a decade of death research. 1999 , 6, 1023-7	75
2285	Cytotoxic drugs and the CD95 pathway. 1999 , 13, 1854-8	177
2284	Bcl-2/E1B 19 kDa-interacting protein 3-like protein (Bnip3L) interacts with bcl-2/Bcl-xL and induces apoptosis by altering mitochondrial membrane permeability. 1999 , 18, 4523-9	129
2283	Mechanisms of apoptosis by c-Myc. 1999 , 18, 2967-87	377
2282	The tyrosine kinase lck is required for CD95-independent caspase-8 activation and apoptosis in response to ionizing radiation. 1999 , 18, 4983-92	78
2281	Bax membrane insertion during Fas(CD95)-induced apoptosis precedes cytochrome c release and is inhibited by Bcl-2. 1999 , 18, 5991-9	88

2280	More than one way to die: apoptosis, necrosis and reactive oxygen damage. 1999 , 18, 7719-30		718
2279	The modular nature of apoptotic signaling proteins. 1999 , 55, 1113-28		111
2278	Mitochondria in muscle cell death. 1999 , 20, 395-400		32
2277	Thymocyte apoptosis. 1999 , 19, 337-49		19
2276	A portrait of the Bcl-2 protein family: life, death, and the whole picture. 1999 , 19, 365-77		37
2275	Mitochondrial dysfunction in the pathogenesis of necrotic and apoptotic cell death. 1999 , 31, 305-19		287
2274	Mitochondrial events in the life and death of animal cells: a brief overview. 1999 , 31, 291-304		68
2273	Mitochondria at the crossroad of apoptotic cell death. 1999 , 31, 321-6		36
2272	p53 regulates mitochondrial membrane potential through reactive oxygen species and induces cytochrome c-independent apoptosis blocked by Bcl-2. <i>EMBO Journal</i> , 1999 , 18, 6027-36	13	385
2271	Induction of cell death by tumour necrosis factor (TNF) receptor 2, CD40 and CD30: a role for TNF-R1 activation by endogenous membrane-anchored TNF. <i>EMBO Journal</i> , 1999 , 18, 3034-43	13	226
2270	Reaper-induced dissociation of a Scythe-sequestered cytochrome c-releasing activity. <i>EMBO Journal</i> , 1999 , 18, 5486-93	13	62
2269	Human Daxx regulates Fas-induced apoptosis from nuclear PML oncogenic domains (PODs). <i>EMBO Journal</i> , 1999 , 18, 6037-49	13	222
2268	Apoptosis driven by IP(3)-linked mitochondrial calcium signals. <i>EMBO Journal</i> , 1999 , 18, 6349-61	13	414
2267	Mammalian caspases: structure, activation, substrates, and functions during apoptosis. 1999 , 68, 383-424		2313
2266	Tumor necrosis factor receptor and Fas signaling mechanisms. 1999 , 17, 331-67		1114
2265	A cytomegalovirus-encoded mitochondria-localized inhibitor of apoptosis structurally unrelated to Bcl-2. 1999 , 96, 12536-41		365
2264	Death by design: mechanism and control of apoptosis. 1999 , 15, M49-M52		3
2263	Apoptosis control by death and decoy receptors. 1999 , 11, 255-60		1113

2262	Deciphering the pathways of life and death. 1999 , 11, 261-6	150
2261	Involvement of FADD and caspase-8 signalling in detachment-induced apoptosis. 1999 , 9, 1043-6	184
2260	Evidence for a function of death-receptor-related, death-domain-containing proteins in anoikis. 1999 , 9, 1047-9	148
2259	Protein translocation in apoptosis. 1999 , 9, 394-401	86
2258	Death by design: mechanism and control of apoptosis. 1999 , 9, M49-M52	129
2257	Death by design: mechanism and control of apoptosis. 1999 , 24, M49-M52	8
2256	Dr. Josef Steiner Cancer Research Prize Lecture: the role of physiological cell death in neoplastic transformation and in anti-cancer therapy. 1999 , 81, 505-11	15
2255	Apoptosis and therapy. 1999 , 187, 127-37	239
2254	The apoptosome: heart and soul of the cell death machine. 1999 , 1, 5-15	157
2253	Apaf-1 and caspase-9 in p53-dependent apoptosis and tumor inhibition. 1999 , 284, 156-9	569
2252	Proapoptotic Bcl-2 relative Bim required for certain apoptotic responses, leukocyte homeostasis, and to preclude autoimmunity. 1999 , 286, 1735-8	1288
2251	Differential modulation of apoptosis sensitivity in CD95 type I and type II cells. 1999 , 274, 22532-8	461
2250	Advances in the signal transduction of ceramide and related sphingolipids. 1999 , 36, 511-73	62
2249	Activation and role of caspases in chemotherapy-induced apoptosis. 1999 , 2, 21-29	13
2248	The role of CD95 system in chemotherapy. 1999 , 2, 85-90	12
2247	Interleukin-7: physiological roles and mechanisms of action. 1999 , 10, 41-60	213
2246	The role of caspases in development, immunity, and apoptotic signal transduction: lessons from knockout mice. 1999 , 10, 629-39	358
2245	Reactive oxygen species regulate activation-induced T cell apoptosis. 1999 , 10, 735-44	404

2244	SLUG, a ces-1-related zinc finger transcription factor gene with antiapoptotic activity, is a downstream target of the E2A-HLF oncoprotein. 1999 , 4, 343-52		180
2243	The proapoptotic activity of the Bcl-2 family member Bim is regulated by interaction with the dynein motor complex. 1999 , 3, 287-96		911
2242	Phosphorylation and inactivation of BAD by mitochondria-anchored protein kinase A. 1999 , 3, 413-22		567
2241	Apoptosis: checkpoint at the mitochondrial frontier. 1999 , 434, 243-51		107
2240	Recent advances on neuronal caspases in development and neurodegeneration. 1999 , 35, 195-220		97
2239	Biochemical pathways of caspase activation during apoptosis. <i>Annual Review of Cell and Developmental Biology</i> , 1999 , 15, 269-90	12.6	2133
2238	Fas ligand-induced apoptosis. 1999 , 33, 29-55		633
2237	Withdrawal of life support, altruistic suicide, fratricidal killing and euthanasia by lymphocytes: different forms of drug-induced hepatic apoptosis. 1999 , 31, 760-70		39
2236	Solution structure of BID, an intracellular amplifier of apoptotic signaling. <i>Cell</i> , 1999 , 96, 615-24	56.2	425
2235	Solution structure of the proapoptotic molecule BID: a structural basis for apoptotic agonists and antagonists. <i>Cell</i> , 1999 , 96, 625-34	56.2	347
2234	Solution structure of the CIDE-N domain of CIDE-B and a model for CIDE-N/CIDE-N interactions in the DNA fragmentation pathway of apoptosis. <i>Cell</i> , 1999 , 99, 747-55	56.2	88
2233	The TRA-1A sex determination protein of <i>C. elegans</i> regulates sexually dimorphic cell deaths by repressing the egl-1 cell death activator gene. <i>Cell</i> , 1999 , 98, 317-27	56.2	184
2232	Mitochondrial physiology and pathology; concepts of programmed death of organelles, cells and organisms. 1999 , 20, 139-84		215
2231	Calcium Signaling and Cytotoxicity. 1999 , 107, 25		49
2230	Editorial. 1999 , 94, 2003-2005		2
2229	Presence of a pre-apoptotic complex of pro-caspase-3, Hsp60 and Hsp10 in the mitochondrial fraction of jurkat cells. <i>EMBO Journal</i> , 1999 , 18, 2040-8	13	395
2228	Apoptosis: definition, mechanisms, and relevance to disease. 1999 , 107, 489-506		248
2227	Release of cytochrome c, Bax migration, Bid cleavage, and activation of caspases 2, 3, 6, 7, 8, and 9 during endothelial cell apoptosis. 1999 , 155, 1021-5		88

2226	The central effectors of cell death in the immune system. 1999 , 17, 781-828		333
2225	Caspase-8 mediates caspase-3 activation and cytochrome c release during singlet oxygen-induced apoptosis of HL-60 cells. 1999 , 250, 203-12		88
2224	Stimulus-specific and cell type-specific cascades: emerging principles relating to control of apoptosis in the eye. 1999 , 69, 255-66		40
2223	Mitochondria: ignition chamber for apoptosis. 1999 , 68, 227-31		13
2222	Cytochrome c is dispensable for fas-induced caspase activation and apoptosis. 1999 , 261, 71-8		19
2221	Loss of molecular interaction between cytochrome c and cardiolipin due to lipid peroxidation. 1999 , 264, 343-7		220
2220	TRAIL causes cleavage of bid by caspase-8 and loss of mitochondrial membrane potential resulting in apoptosis in BJAB cells. 1999 , 265, 130-3		104
2219	Oocyte apoptosis: like sand through an hourglass. 1999 , 213, 1-17		305
2218	The mitochondrial permeability transition pore and its role in cell death. <i>Biochemical Journal</i> , 1999 , 341, 233	3.8	720
2217	Uncouplers of oxidative phosphorylation can enhance a Fas death signal. 1999 , 19, 3299-311		52
2216	NF-kappaB induces expression of the Bcl-2 homologue A1/Bfl-1 to preferentially suppress chemotherapy-induced apoptosis. 1999 , 19, 5923-9		509
2215	The mitochondrial permeability transition pore and its role in cell death. <i>Biochemical Journal</i> , 1999 , 341, 233-249	3.8	1902
2214	BCL-2 is phosphorylated and inactivated by an ASK1/Jun N-terminal protein kinase pathway normally activated at G(2)/M. 1999 , 19, 8469-78		889
2213	Cif (Cytochrome c efflux-inducing factor) activity is regulated by Bcl-2 and caspases and correlates with the activation of Bid. 1999 , 19, 1381-9		59
2212	BCL-2 family members and the mitochondria in apoptosis. 1999 , 13, 1899-911		2845
2211	Modulation of mitochondrial Ca(2+) homeostasis by Bcl-2. 1999 , 274, 33267-73		93
2210	Cleavage of the death domain kinase RIP by caspase-8 prompts TNF-induced apoptosis. 1999 , 13, 2514-26		636
2209	Cell-free apoptosis in <i>Xenopus laevis</i> egg extracts. 2000 , 322, 183-98		20

2208	Protooncogenes as mediators of apoptosis. 2000 , 197, 137-202	23
2207	Criteria for identifying authentic caspase substrates during apoptosis. 2000 , 322, 110-25	7
2206	Molecular mechanisms of butylated hydroxyanisole-induced toxicity: induction of apoptosis through direct release of cytochrome c. 2000 , 58, 431-7	60
2205	Monochloramine enhances Fas (APO-1/CD95)-induced apoptosis in Jurkat T cells. 2000 , 67, 46-52	12
2204	Bibliography Current World Literature. 2000 , 12, B1	
2203	Apoptosis and cardiomyopathy. 2000 , 15, 183-8	72
2202	Apoptosis: implications for inflammatory bowel disease. 2000 , 6, 191-205	26
2201	Heterogeneous apoptotic responses of prostate cancer cell lines identify an association between sensitivity to staurosporine-induced apoptosis, expression of Bcl-2 family members, and caspase activation. 2000 , 42, 260-73	49
2200	Role of TNF in lymphocyte-mediated cytotoxicity. 2000 , 50, 196-208	44
2199	Caspases that are activated during generation of nuclear polyglutamine aggregates are necessary for DNA fragmentation but not sufficient for cell death. 2000 , 62, 547-56	14
2198	Critical role for mitochondria in B cell receptor-mediated apoptosis. 2000 , 30, 69-77	56
2197	Apoptosis in the intestinal epithelium: its relevance in normal and pathophysiological conditions. 2000 , 15, 109-20	146
2196	Molecular mechanisms of UV-induced apoptosis. 2000 , 16, 195-201	237
2195	Bcl-2 does not inhibit the permeability transition pore in mouse liver mitochondria. 2000 , 151, 65-72	13
2194	Deficiency in caspase-9 or caspase-3 induces compensatory caspase activation. 2000 , 6, 1241-7	282
2193	Fas triggers an alternative, caspase-8-independent cell death pathway using the kinase RIP as effector molecule. 2000 , 1, 489-95	1387
2192	Distinct stages of cytochrome c release from mitochondria: evidence for a feedback amplification loop linking caspase activation to mitochondrial dysfunction in genotoxic stress induced apoptosis. 2000 , 7, 227-33	192
2191	The BH3 domain is required for caspase-independent cell death induced by Bax and oligomycin. 2000 , 7, 338-49	19

2190	Bcl-xL does not inhibit the function of Apaf-1. 2000 , 7, 402-7	67
2189	Bcl-2 does not inhibit cell death induced by the physiological Fas ligand: implications for the existence of type I and type II cells. 2000 , 7, 754-5	32
2188	CD 95-independent mechanisms of IL-2 deprivation-induced apoptosis in activated human lymphocytes. 2000 , 7, 538-47	27
2187	Cleavage of BID during cytotoxic drug and UV radiation-induced apoptosis occurs downstream of the point of Bcl-2 action and is catalysed by caspase-3: a potential feedback loop for amplification of apoptosis-associated mitochondrial cytochrome c release. 2000 , 7, 556-65	243
2186	The two CD95 apoptosis signaling pathways may be a way of cells to respond to different amounts and/or forms of CD95 ligand produced in different tissues. 2000 , 7, 756-758	12
2185	Death at the Dead Sea. 2000 , 7, 851-9	2
2184	Potential mechanisms of resistance to TRAIL/Apo2L-induced apoptosis in human promyelocytic leukemia HL-60 cells during granulocytic differentiation. 2000 , 7, 939-46	29
2183	Failure of Bcl-2 family members to interact with Apaf-1 in normal and apoptotic cells. 2000 , 7, 947-54	44
2182	Differential susceptibility to CD95 (Apo-1/Fas) and MHC class II-induced apoptosis during murine dendritic cell development. 2000 , 7, 933-8	30
2181	BID-dependent and BID-independent pathways for BAX insertion into mitochondria. 2000 , 7, 1101-8	100
2180	The 'harmless' release of cytochrome c. 2000 , 7, 1192-9	114
2179	Pro-apoptotic cascade activates BID, which oligomerizes BAK or BAX into pores that result in the release of cytochrome c. 2000 , 7, 1166-73	816
2178	Adenovirus-mediated transfer of bax with caspase-8 controlled by myelin basic protein promoter exerts an enhanced cytotoxic effect in gliomas. 2000 , 7, 739-48	45
2177	Signal transduction mediated by Bid, a pro-death Bcl-2 family proteins, connects the death receptor and mitochondria apoptosis pathways. 2000 , 10, 161-7	269
2176	Nuclear apoptosis induced by isolated mitochondria. 2000 , 10, 221-32	6
2175	Expression of Bcl-2 inhibited Fas-mediated apoptosis in human hepatocellular carcinoma BEL-7404 cells. 2000 , 10, 233-42	26
2174	Executionary pathway for apoptosis: lessons from mutant mice. 2000 , 10, 267-78	35
2173	Programmed cell death regulation: basic mechanisms and therapeutic opportunities. 2000 , 14, 1340-4	33

2172	Noncaspase proteases in apoptosis. 2000 , 14, 1695-703	222
2171	Mechanisms involved in the pro- and anti-apoptotic role of NO in human leukemia. 2000 , 14, 1685-94	120
2170	Involvement of CD95-independent caspase 8 activation in arsenic trioxide-induced apoptosis. 2000 , 14, 1743-50	103
2169	Positive and negative regulation of apoptotic pathways by cytotoxic agents in hematological malignancies. 2000 , 14, 1833-49	123
2168	Dissecting the pathways to death. 2000 , 14, 2035-44	122
2167	Differential role of caspase-8 and BID activation during radiation- and CD95-induced apoptosis. 2000 , 19, 1181-90	115
2166	Sensitization to CD95 ligand-induced apoptosis in human glioma cells by hyperthermia involves enhanced cytochrome c release. 2000 , 19, 2338-45	36
2165	Functional identification of the apoptosis effector BH3 domain in cellular protein BNIP1. 2000 , 19, 2363-7	23
2164	Apoptotic crosstalk between the endoplasmic reticulum and mitochondria controlled by Bcl-2. 2000 , 19, 2286-95	275
2163	Requirement for caspase activation in monocytic differentiation of myeloid leukemia cells. 2000 , 19, 3941-7	36
2162	Susceptibility to apoptosis is restored in human leukemia HCW-2 cells following induction and stabilization of the apoptotic effector Bak. 2000 , 19, 4108-16	3
2161	Matrix detachment induces caspase-dependent cytochrome c release from mitochondria: inhibition by PKB/Akt but not Raf signalling. 2000 , 19, 4461-8	119
2160	Caspase-8/FLICE functions as an executioner caspase in anticancer drug-induced apoptosis. 2000 , 19, 4563-73	228
2159	Upregulation of Bcl-x and Bfl-1 as a potential mechanism of chemoresistance, which can be overcome by NF-kappaB inhibition. 2000 , 19, 4936-40	91
2158	Polyomavirus large T-antigen protects mouse cells from Fas-, TNF-alpha- and taxol-induced apoptosis. 2000 , 19, 6261-70	8
2157	The coordinate release of cytochrome c during apoptosis is rapid, complete and kinetically invariant. 2000 , 2, 156-62	875
2156	Cardiolipin provides specificity for targeting of tBid to mitochondria. 2000 , 2, 754-61	391
2155	CD95's deadly mission in the immune system. 2000 , 407, 789-95	1416

2154	Intracellular mediators of programmed cell death initiated at the cell surface receptor Fas. 2000 , 13, S3-S6	4
2153	Mitochondrial intermembrane junctional complexes and their role in cell death. 2000 , 529 Pt 1, 11-21	246
2152	Glial cell type-specific responses to menadione-induced oxidative stress. 2000 , 28, 1161-74	145
2151	Mitochondrially targeted antioxidants and thiol reagents. 2000 , 28, 1547-54	71
2150	Separation of cytochrome c-dependent caspase activation from thiol-disulfide redox change in cells lacking mitochondrial DNA. 2000 , 29, 334-42	43
2149	Activity of the caspase-3/CPP32 enzyme is increased in "early stage" myelodysplastic syndromes with excessive apoptosis, but caspase inhibition does not enhance colony formation in vitro. 2000 , 28, 784-91	48
2148	Death in the snow: report on Keystone Conference on 'Apoptosis and Programmed Cell Death' at Breckenridge, CO, April 6-11th 1999. 2000 , 1470, R1-R11	1
2147	Bax, Bid and the permeabilization of the mitochondrial outer membrane in apoptosis. 2000 , 12, 414-9	184
2146	Active killing of neurons during development and following stress: a role for p75(NTR) and Fas?. 2000 , 10, 111-7	92
2145	Control of apoptosis by IP(3) and ryanodine receptor driven calcium signals. 2000 , 28, 349-63	127
2144	Nuclear localization of procaspase-9 and processing by a caspase-3-like activity in mammary epithelial cells. 2000 , 79, 358-64	39
2143	Drug delivery to mitochondria: the key to mitochondrial medicine. 2000 , 41, 235-50	356
2142	Caspases - controlling intracellular signals by protease zymogen activation. 2000 , 1477, 299-306	240
2141	Mechanism of dibucaine-induced apoptosis in promyelocytic leukemia cells (HL-60). 2000 , 60, 905-15	52
2140	Mitochondria in Ca ²⁺ signaling and apoptosis. 2000 , 32, 35-46	122
2139	Modulation of the voltage-dependent anion channel (VDAC) by glutamate. 2000 , 32, 571-83	74
2138	Molecular steps of cell suicide: an insight into immune senescence. 2000 , 20, 229-39	48
2137	Regulation of T cell apoptosis. 2000 , 5, 459-71	23

2136	GnRH-Bik/Bax/Bak chimeric proteins target and kill adenocarcinoma cells; the general use of pro-apoptotic proteins of the Bcl-2 family as novel killing components of targeting chimeric proteins. 2000 , 5, 531-42		19
2135	The interferons and cell death: guardians of the cell or accomplices of apoptosis?. 2000 , 10, 103-11		35
2134	Nitric oxide prevents tumor necrosis factor alpha-induced rat hepatocyte apoptosis by the interruption of mitochondrial apoptotic signaling through S-nitrosylation of caspase-8. 2000 , 32, 770-8		184
2133	Mitochondria in the programmed death phenomena; a principle of biology: "it is better to die than to be wrong". 2000 , 49, 365-73		91
2132	Caspase-8 in apoptosis: the beginning of "the end"?. 2000 , 50, 85-90		191
2131	Negative regulation of cytochrome c-mediated oligomerization of Apaf-1 and activation of procaspase-9 by heat shock protein 90. <i>EMBO Journal</i> , 2000 , 19, 4310-22	13	410
2130	MAPK/ERK signaling in activated T cells inhibits CD95/Fas-mediated apoptosis downstream of DISC assembly. <i>EMBO Journal</i> , 2000 , 19, 5418-28	13	150
2129	Targeted expression of baculovirus p35 caspase inhibitor in oligodendrocytes protects mice against autoimmune-mediated demyelination. <i>EMBO Journal</i> , 2000 , 19, 341-8	13	86
2128	Cu,Zn-superoxide dismutase-dependent apoptosis induced by nitric oxide in neuronal cells. 2000 , 275, 5065-72		78
2127	Intracellular mediators of programmed cell death initiated at the cell surface receptor Fas. 2000 , 13 Suppl 1, S3-6		6
2126	Bid, a critical mediator for apoptosis induced by the activation of Fas/TNF-R1 death receptors in hepatocytes. 2000 , 78, 203-11		89
2125	Mitochondrial role in life and death of the cell. 2000 , 7, 2-15		223
2124	Les gènes de la spermatogénèse et leur régulation. 2000 , 10, 11-39		
2123	Tumor-induced apoptosis of T lymphocytes: elucidation of intracellular apoptotic events. 2000 , 95, 2015-2023	70	
2122	HMBA induces activation of a caspase-independent cell death pathway to overcome P-glycoprotein-mediated multidrug resistance. 2000 , 95, 2378-2385		75
2121	Antileukemic drugs increase death receptor 5 levels and enhance Apo-2L-induced apoptosis of human acute leukemia cells. 2000 , 96, 3900-3906		172
2120	Caspase-independent commitment phase to apoptosis in activated blood T lymphocytes: reversibility at low apoptotic insult. 2000 , 96, 1030-1038		82
2119	CGP57148B (STI-571) induces differentiation and apoptosis and sensitizes Bcr-Abl-positive human leukemia cells to apoptosis due to antileukemic drugs. 2000 , 96, 2246-2253		240

2118	Mitochondria and neuronal survival. 2000 , 80, 315-60	994
2117	Alternative mitochondrial functions in cell physiopathology: beyond ATP production. 2000 , 33, 241-50	43
2116	Tissue-specific Bcl-2 protein partners in apoptosis: An ovarian paradigm. 2000 , 80, 593-614	135
2115	Regulation of apoptosis of synovial fibroblasts. 2001 , 3, 216-39	20
2114	Fas and Fas ligand in gut and liver. 2000 , 278, G354-66	100
2113	Proteolytic cleavage of phospholipase C-gamma1 during apoptosis in Molt-4 cells. 2000 , 14, 1083-92	72
2112	Mitochondrial translocation of protein kinase C delta in phorbol ester-induced cytochrome c release and apoptosis. 2000 , 275, 21793-6	236
2111	Caspase-8 activation and bid cleavage contribute to MCF7 cellular execution in a caspase-3-dependent manner during staurosporine-mediated apoptosis. 2000 , 275, 9303-7	199
2110	p38 mitogen-activated protein kinase regulates a novel, caspase-independent pathway for the mitochondrial cytochrome c release in ultraviolet B radiation-induced apoptosis. 2000 , 275, 21416-21	121
2109	Caspase activation and cytochrome c release during HL-60 cell apoptosis induced by a nitric oxide donor. 2000 , 32, 507-14	61
2108	Essential role for caspase-8 in transcription-independent apoptosis triggered by p53. 2000 , 275, 38905-11	104
2107	The mitochondrial permeability transition augments Fas-induced apoptosis in mouse hepatocytes. 2000 , 275, 11814-23	121
2106	Bid-induced cytochrome c release is mediated by a pathway independent of mitochondrial permeability transition pore and Bax. 2000 , 275, 39474-81	141
2105	Bcl-2 independence of flavopiridol-induced apoptosis. Mitochondrial depolarization in the absence of cytochrome c release. 2000 , 275, 32089-97	48
2104	Proapoptotic BH3-only Bcl-2 family members induce cytochrome c release, but not mitochondrial membrane potential loss, and do not directly modulate voltage-dependent anion channel activity. 2000 , 97, 577-82	248
2103	Ubiquitin-mediated degradation of the proapoptotic active form of bid. A functional consequence on apoptosis induction. 2000 , 275, 21648-52	156
2102	The chemokine fractalkine inhibits Fas-mediated cell death of brain microglia. 2000 , 165, 397-403	171
2101	Reduced susceptibility of nonobese diabetic mice to TNF-alpha and D-galactosamine-mediated hepatocellular apoptosis and lethality. 2000 , 165, 6559-67	28

2100	Involvement of sphingosine in mitochondria-dependent Fas-induced apoptosis of type II Jurkat T cells. 2000 , 275, 15691-700	136
2099	The proliferative and antiapoptotic effects of substance P are facilitated by formation of a beta-arrestin-dependent scaffolding complex. 2000 , 97, 11086-91	353
2098	Biochemical and genetic analysis of the mitochondrial response of yeast to BAX and BCL-X(L). 2000 , 20, 3125-36	153
2097	Bcl-xL inhibits cytochrome c release but not mitochondrial depolarization during the activation of multiple death pathways by tumor necrosis factor-alpha. 2000 , 275, 31546-53	46
2096	MCL-1S, a splicing variant of the antiapoptotic BCL-2 family member MCL-1, encodes a proapoptotic protein possessing only the BH3 domain. 2000 , 275, 25255-61	223
2095	The destabilization of lipid membranes induced by the C-terminal fragment of caspase 8-cleaved bid is inhibited by the N-terminal fragment. 2000 , 275, 22713-8	102
2094	Heat shock protein 70 inhibits apoptosis downstream of cytochrome c release and upstream of caspase-3 activation. 2000 , 275, 25665-71	350
2093	Initiation of apoptosis by granzyme B requires direct cleavage of bid, but not direct granzyme B-mediated caspase activation. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1403-14	16.6 300
2092	Cellular commitment to radiation-induced apoptosis. 2000 , 153, 347-50	13
2091	Identification of the cytolinker plectin as a major early in vivo substrate for caspase 8 during CD95- and tumor necrosis factor receptor-mediated apoptosis. 2000 , 20, 5665-79	136
2090	Growth factors inactivate the cell death promoter BAD by phosphorylation of its BH3 domain on Ser155. 2000 , 275, 25046-51	179
2089	Cross-Talk in Cell Death Signaling. <i>Journal of Experimental Medicine</i> , 2000 , 192, F21-F26	16.6 195
2088	Caspases disrupt the nuclear-cytoplasmic barrier. 2000 , 151, 951-9	204
2087	Expression of cell cycle regulator genes in KB, a human squamous cell carcinoma cell line, after irradiation. 2000 , 17, 947-54	
2086	BNIP3 heterodimerizes with Bcl-2/Bcl-X(L) and induces cell death independent of a Bcl-2 homology 3 (BH3) domain at both mitochondrial and nonmitochondrial sites. 2000 , 275, 1439-48	259
2085	Endocrine Oncology. 2000 ,	
2084	Adenovirus-mediated transfer of caspase-8 augments cell death in gliomas: implication for gene therapy. 2000 , 11, 1123-37	39
2083	Mitochondrial participation in ischemic and traumatic neural cell death. 2000 , 17, 843-55	303

2082	p53 induces apoptosis by caspase activation through mitochondrial cytochrome c release. 2000 , 275, 7337-42		427
2081	Diabetic peripheral neuropathy: evidence for apoptosis and associated mitochondrial dysfunction. 2000 , 49, 1932-8		223
2080	A1 functions at the mitochondria to delay endothelial apoptosis in response to tumor necrosis factor. 2000 , 275, 18099-107		79
2079	Akt regulates cell survival and apoptosis at a postmitochondrial level. 2000 , 151, 483-94		384
2078	Caspase-resistant BAP31 inhibits fas-mediated apoptotic membrane fragmentation and release of cytochrome c from mitochondria. 2000 , 20, 6731-40		100
2077	Moloney murine leukemia virus-induced tumors show altered levels of proapoptotic and antiapoptotic proteins. 2000 , 74, 8151-8		2
2076	Molecular determinants of the caspase-promoting activity of Smac/DIABLO and its role in the death receptor pathway. 2000 , 275, 36152-7		264
2075	Proteases for cell suicide: functions and regulation of caspases. 2000 , 64, 821-46		491
2074	Preservation of mitochondrial structure and function after Bid- or Bax-mediated cytochrome c release. 2000 , 150, 1027-36		216
2073	Salmonella-induced caspase-2 activation in macrophages: a novel mechanism in pathogen-mediated apoptosis. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1035-46	16.6	143
2072	The IRF-3 transcription factor mediates Sendai virus-induced apoptosis. 2000 , 74, 3781-92		139
2071	Bcl-2 inhibits a Fas-induced conformational change in the Bax N terminus and Bax mitochondrial translocation. 2000 , 275, 17225-8		105
2070	Tumour necrosis factors receptor associated signalling molecules and their role in activation of apoptosis, JNK and NF-kappaB. 2000 , 59 Suppl 1, i6-16		165
2069	Alpha/beta interferons potentiate virus-induced apoptosis through activation of the FADD/Caspase-8 death signaling pathway. 2000 , 74, 1513-23		245
2068	Role of acidic sphingomyelinase in Fas/CD95-mediated cell death. 2000 , 275, 8657-63		117
2067	Antiapoptotic herpesvirus Bcl-2 homologs escape caspase-mediated conversion to proapoptotic proteins. 2000 , 74, 5024-31		124
2066	Active caspases and cleaved cytokeratins are sequestered into cytoplasmic inclusions in TRAIL-induced apoptosis. 2000 , 148, 1239-54		150
2065	Assays for cytochrome c release from mitochondria during apoptosis. 2000 , 322, 235-42		44

2064	BAD Ser-155 phosphorylation regulates BAD/Bcl-XL interaction and cell survival. 2000 , 275, 25865-9	243
2063	The HIV-1 viral protein R induces apoptosis via a direct effect on the mitochondrial permeability transition pore. <i>Journal of Experimental Medicine</i> , 2000 , 191, 33-46	16.6 390
2062	Transgenic overexpression of human Bcl-2 in islet beta cells inhibits apoptosis but does not prevent autoimmune destruction. 2000 , 12, 9-17	55
2061	BNIP3 and genetic control of necrosis-like cell death through the mitochondrial permeability transition pore. 2000 , 20, 5454-68	533
2060	Granzyme B short-circuits the need for caspase 8 activity during granule-mediated cytotoxic T-lymphocyte killing by directly cleaving Bid. 2000 , 20, 3781-94	274
2059	Caspase-8 in Apoptosis: The Beginning of "The End"?. 2000 , 50, 85-90	159
2058	p38 mitogen-activated protein kinase mediates bid cleavage, mitochondrial dysfunction, and caspase-3 activation during apoptosis induced by singlet oxygen but not by hydrogen peroxide. 2000 , 275, 25939-48	216
2057	Execution of apoptosis signal-regulating kinase 1 (ASK1)-induced apoptosis by the mitochondria-dependent caspase activation. 2000 , 275, 26576-81	274
2056	Apoptosis induced by cadmium in human lymphoma U937 cells through Ca ²⁺ -calpain and caspase-mitochondria- dependent pathways. 2000 , 275, 39702-9	178
2055	XIAP regulates DNA damage-induced apoptosis downstream of caspase-9 cleavage. 2000 , 275, 31733-8	74
2054	Necrotic death pathway in Fas receptor signaling. 2000 , 151, 1247-56	204
2053	Granzyme B-mediated cytochrome c release is regulated by the Bcl-2 family members bid and Bax. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1391-402	16.6 259
2052	p21(WAF1/CIP1) inhibits initiator caspase cleavage by TRAIL death receptor DR4. 2000 , 269, 179-90	86
2051	25-Hydroxycholesterol activates a cytochrome c release-mediated caspase cascade. 2000 , 278, 557-63	40
2050	Apoptotic DNA fragmentation. 2000 , 256, 12-8	696
2049	The CD95 (APO-1/Fas) and the TRAIL (APO-2L) apoptosis systems. 2000 , 256, 58-66	528
2048	Divinations and surprises: genetic analysis of caspase function in mice. 2000 , 256, 67-73	87
2047	Cleavage of Bax enhances its cell death function. 2000 , 256, 375-82	191

2046	During apoptosis of HL-60 and U-937 cells caspases are activated independently of dissipation of mitochondrial electrochemical potential. 2000 , 257, 290-7	55
2045	Intracellular mechanisms of TRAIL and its role in cancer therapy. 2000 , 4, 67-75	48
2044	Perturbation of mitochondrial structure and function plays a central role in <i>Actinobacillus actinomycetemcomitans</i> leukotoxin-induced apoptosis. 2000 , 29, 267-78	41
2043	Proteolytic regulation of apoptosis. 2000 , 11, 191-201	71
2042	Apoptosis signaling. 2000 , 69, 217-45	1277
2041	Posttranslational N-myristoylation of BID as a molecular switch for targeting mitochondria and apoptosis. 2000 , 290, 1761-5	436
2040	Apoptosis and liver disease. 2000 , 108, 567-74	168
2039	Mechanisms of apoptosis. 2000 , 157, 1415-30	944
2038	Mechanisms underlying hypoxia-induced neuronal apoptosis. 2000 , 62, 215-49	239
2037	Oocyte attrition. 2000 , 163, 101-8	96
2036	Mechanisms of action of neuroprotectants in stroke. 2000 , 9, 9-14	32
2035	14-3-3 Proteins and Survival Kinases Cooperate to Inactivate BAD by BH3 Domain Phosphorylation. 2000 , 6, 41-51	523
2034	TNF- α Signals Apoptosis through a Bid-Dependent Conformational Change in Bax that Is Inhibited by E1B 19K. 2000 , 6, 53-63	168
2033	Regulation of death receptor-mediated apoptosis pathways. 2000 , 32, 1123-36	209
2032	Essential role for the dsRNA-dependent protein kinase PKR in innate immunity to viral infection. 2000 , 13, 129-41	395
2031	The combined functions of proapoptotic Bcl-2 family members bak and bax are essential for normal development of multiple tissues. 2000 , 6, 1389-99	1176
2030	Enhanced apoptosis of squamous cell carcinoma cells by interleukin-2-activated cytotoxic lymphocytes combined with radiation and anticancer drugs. 2000 , 36, 2007-17	24
2029	Reversal of TNF- α resistance by hyperthermia: role of mitochondria. 2000 , 67, 3113-21	12

2028	Insights into programmed cell death through structural biology. <i>Cell</i> , 2000 , 103, 273-82	56.2	265
2027	Structure of Bax: coregulation of dimer formation and intracellular localization. <i>Cell</i> , 2000 , 103, 645-54	56.2	887
2026	Cytochrome c deficiency causes embryonic lethality and attenuates stress-induced apoptosis. <i>Cell</i> , 2000 , 101, 389-99	56.2	421
2025	Hyperthermia and tumour necrosis factor-alpha induced apoptosis via mitochondrial damage. 2000 , 67, 725-32		21
2024	Activation of a pro-apoptotic amplification loop through inhibition of NF-kappaB-dependent survival signals by caspase-mediated inactivation of RIP. 2000 , 468, 134-6		112
2023	Prediction of the tertiary structure of a caspase-9/inhibitor complex. 2000 , 470, 249-56		119
2022	Failure of Bcl-2 to block cytochrome c redistribution during TRAIL-induced apoptosis. 2000 , 471, 93-8		87
2021	Characterization of tBid-induced cytochrome c release from mitochondria and liposomes. 2000 , 472, 293-6		34
2020	Mitochondria: execution central. 2000 , 482, 6-12		136
2019	Bcl-2 family: life-or-death switch. 2000 , 466, 6-10		515
2018	TRAIL-induced apoptosis of thyroid cancer cells: potential for therapeutic intervention. 2000 , 19, 3363-71		51
2017	Bid acts on the permeability transition pore complex to induce apoptosis. 2000 , 19, 6342-50		174
2016	Requirement of JNK for stress-induced activation of the cytochrome c-mediated death pathway. 2000 , 288, 870-4		1500
2015	Caspase pathways, neuronal apoptosis, and CNS injury. 2000 , 17, 811-29		269
2014	Molecular mechanisms of apoptosis induced by cytotoxic chemicals. 2000 , 30, 609-27		287
2013	The chicken anemia virus-derived protein apoptin requires activation of caspases for induction of apoptosis in human tumor cells. 2000 , 74, 7072-8		81
2012	Diet and apoptosis. 2000 , 20, 485-505		80
2011	Mechanism of alpha-tocopheryl succinate-induced apoptosis of promyelocytic leukemia cells. 2000 , 33, 407-18		60

2010	GD3 ganglioside directly targets mitochondria in a bcl-2-controlled fashion. 2000 , 14, 2047-54	156
2009	Caspases as targets for anti-inflammatory and anti-apoptotic drug discovery. 2000 , 43, 3351-71	98
2008	Apoptosis: overview and signal transduction pathways. 2000 , 17, 801-10	81
2007	Fas (CD95/APO-1): signaux et fonctions. 2000 , 11, 37-56	
2006	Apoptose et mitochondries. 2000 , 11, 19-36	
2005	Cell death at the millennium. Implications for liver diseases. 2000 , 4, 1-23, v	36
2004	Aspirin induces apoptosis through release of cytochrome c from mitochondria. 2000 , 2, 505-13	73
2003	Mechanisms of neurotoxic injury and cell death. 2000 , 18, 525-40	14
2002	Genipin, a metabolite derived from the herbal medicine Inchin-ko-to, and suppression of Fas-induced lethal liver apoptosis in mice. 2000 , 118, 380-9	108
2001	Activation of apoptosis pathways by anticancer treatment. 2000 , 112-113, 41-8	91
2000	Apoptosis in neural development and disease. 2000 , 23, 73-87	266
1999	Cell-free systems to study apoptosis. 2001 , 66, 167-85	11
1998	NF-kappaB stimulates inducible nitric oxide synthase to protect mouse hepatocytes from TNF-alpha- and Fas-mediated apoptosis. 2001 , 120, 1251-62	134
1997	The bile acid-activated phosphatidylinositol 3-kinase pathway inhibits Fas apoptosis upstream of bid in rodent hepatocytes. 2001 , 120, 1810-7	74
1996	How cells die: apoptosis pathways. 2001 , 108, S99-103	211
1995	Apoptosis signaling pathways. 2002 , Chapter 11, Unit 11.9C	5
1994	Apoptosis in diseases of the liver. 2001 , 38, 109-66	93
1993	Pathways of apoptosis and the modulation of cell death in cancer. 2001 , 15, 931-56, ix	16

1992	Involvement of mitochondria in apoptosis. 2001 , 19, 45-55	32
1991	Mitochondrial ca(2+) signaling and cardiac apoptosis. 2001 , 10, 200-23	31
1990	Apoptosis and cerebral ischemia. 2001 , 6, 137-167	2
1989	Overexpression of BCL2 blocks TNF-related apoptosis-inducing ligand (TRAIL)-induced apoptosis in human lung cancer cells. 2001 , 280, 788-97	116
1988	Trail-induced apoptosis in Type I leukemic cells is not enhanced by overexpression of bax. 2001 , 283, 1037-45	19
1987	c-IAP1 blocks TNFalpha-mediated cytotoxicity upstream of caspase-dependent and -independent mitochondrial events in human leukemic cells. 2001 , 287, 181-9	17
1986	Mitochondrial lipid alterations during Fas- and radiation-induced apoptosis. 2001 , 287, 1112-20	63
1985	Apoptosis-linked gene 2 binds to the death domain of Fas and dissociates from Fas during Fas-mediated apoptosis in Jurkat cells. 2001 , 288, 420-6	52
1984	Tumor necrosis factor-related apoptosis inducing ligand (TRAIL)-induced apoptosis is dependent on activation of cysteine and serine proteases. 2001 , 15, 166-70	11
1983	Caspase-dependent cytosolic release of cytochrome c and membrane translocation of Bax in p53-induced apoptosis. 2001 , 265, 145-51	91
1982	Different roles of spermine in glucocorticoid- and Fas-induced apoptosis. 2001 , 266, 333-41	27
1981	Endothelial cell apoptosis: biochemical characteristics and potential implications for atherosclerosis. 2001 , 33, 1673-90	371
1980	Characterization of cell death pathways in murine retinal neurodegeneration implicates cytochrome c release, caspase activation, and bid cleavage. 2001 , 18, 335-46	56
1979	Cleavage of bid may amplify caspase-8-induced neuronal death following focally evoked limbic seizures. 2001 , 8, 568-80	93
1978	Cathepsin B knockout mice are resistant to tumor necrosis factor-alpha-mediated hepatocyte apoptosis and liver injury: implications for therapeutic applications. 2001 , 159, 2045-54	177
1977	Apoptosis and caspases. 2001 , 19, 13-29	39
1976	Targeting tumor cell resistance to apoptosis induction with antisense oligonucleotides: progress and therapeutic potential. 2001 , 4, 9-15	22
1975	The role of Fas and FasL as mediators of anticancer chemotherapy. 2001 , 4, 233-42	63

1974	Neurodegeneration in the animal model of Menkes' disease involves Bcl-2-linked apoptosis. 2001 , 103, 181-8	39
1973	Antioxidants, programmed cell death, and cancer. 2001 , 21, 295-307	126
1972	Molecular pathways involved in the neurotoxicity of 6-OHDA, dopamine and MPTP: contribution to the apoptotic theory in Parkinson's disease. 2001 , 65, 135-72	933
1971	Phthalocyanine 4 photodynamic therapy-induced apoptosis of mouse L5178Y-R cells results from a delayed but extensive release of cytochrome c from mitochondria. 2001 , 165, 51-8	33
1970	Immunohistochemical analysis of pro-apoptotic Bid level in chronic hepatitis, hepatocellular carcinoma and liver metastases. 2001 , 172, 75-82	36
1969	3-Amino-1,4-dimethyl-5H-pyrido[4,3-b]indole (Trp-P-1) induces caspase-dependent apoptosis in mononuclear cells. 2001 , 1539, 44-57	6
1968	No longer a molecular black box--new clues to apoptosis and drug resistance in melanoma. 2001 , 7, 191-4	38
1967	Fas ligand and TRAIL augment the effect of photodynamic therapy on the induction of apoptosis in JURKAT cells. 2001 , 1, 1831-40	26
1966	A convoluted way to die. 2001 , 29, 563-6	23
1965	Dominant-negative c-Jun promotes neuronal survival by reducing BIM expression and inhibiting mitochondrial cytochrome c release. 2001 , 29, 629-43	497
1964	Release of mitochondrial cytochrome c and activation of cytosolic caspases induced by myocardial ischaemia. 2001 , 1537, 101-9	74
1963	BCL-2, BCL-X(L) sequester BH3 domain-only molecules preventing BAX- and BAK-mediated mitochondrial apoptosis. 2001 , 8, 705-11	1386
1962	Phosphorylation of bid by casein kinases I and II regulates its cleavage by caspase 8. 2001 , 8, 601-11	309
1961	Blocking caspase-3-mediated proteolysis of IKKbeta suppresses TNF-alpha-induced apoptosis. 2001 , 8, 1005-16	97
1960	Proteolytic cleavage of epidermal growth factor receptor by caspases. 2001 , 491, 16-20	33
1959	Nuclear and mitochondrial apoptotic pathways of p53. 2001 , 493, 65-9	162
1958	Activation of p38MAPK by TGF-beta in fetal rat hepatocytes requires radical oxygen production, but is dispensable for cell death. 2001 , 499, 225-9	32
1957	Proteasome inhibitors induce Fas-mediated apoptosis by c-Myc accumulation and subsequent induction of FasL message in human glioma cells. 2001 , 504, 53-8	30

1956	Bax-dependent apoptosis induced by ceramide in HL-60 cells. 2001 , 505, 264-8	57
1955	Regulation of apoptosis by respiration: cytochrome c release by respiratory substrates. 2001 , 505, 399-404	34
1954	Reactive oxygen species generated from the mitochondrial electron transport chain induce cytochrome c dissociation from beef-heart submitochondrial particles via cardiolipin peroxidation. Possible role in the apoptosis. 2001 , 509, 435-8	178
1953	What's in a name? Would that which we call death by any other name be less tragic?. 2001 , 72, 1454-6	5
1952	Death receptors and apoptosis. Deadly signaling and evasive tactics. 2001 , 19, 31-43	8
1951	TRAIL/Apo-2L: mechanisms and clinical applications in cancer. 2001 , 3, 535-46	226
1950	Antiapoptotic proteins. The bcl-2 and inhibitor of apoptosis protein families. 2001 , 19, 57-74	60
1949	Apoptosis and the systolic dysfunction in congestive heart failure. Story of apoptosis interruptus and zombie myocytes. 2001 , 19, 113-26	67
1948	Apoptosis in cardiac transplant rejection. 2001 , 19, 141-54	31
1947	Hydrogen peroxide stimulates apoptosis in cultured human retinal pigment epithelial cells. 2001 , 22, 165-73	84
1946	Molecular cloning and characterization of Bif-1. A novel Src homology 3 domain-containing protein that associates with Bax. 2001 , 276, 20559-65	131
1945	The histone deacetylase inhibitor and chemotherapeutic agent suberoylanilide hydroxamic acid (SAHA) induces a cell-death pathway characterized by cleavage of Bid and production of reactive oxygen species. 2001 , 98, 10833-8	430
1944	Proapoptotic BAX and BAK: a requisite gateway to mitochondrial dysfunction and death. 2001 , 292, 727-30	3283
1943	Induction of apoptosis by garcinol and curcumin through cytochrome c release and activation of caspases in human leukemia HL-60 cells. 2001 , 49, 1464-74	185
1942	Caspase-9 activation results in downstream caspase-8 activation and bid cleavage in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinson's disease. 2001 , 21, 9519-28	256
1941	Attenuation of bleomycin-induced pneumopathy in mice by a caspase inhibitor. 2001 , 280, L316-25	127
1940	BAX Contributes to Apoptotic-Like Death Following Neonatal Hypoxia-Ischemia: Evidence for Distinct Apoptosis Pathways. 2001 , 7, 644-655	110
1939	Cytochrome c release into cytosol with subsequent caspase activation during warm ischemia in rat liver. 2001 , 281, G1115-23	38

1938	Helicobacter pylori lipopolysaccharide induces apoptosis of cultured guinea pig gastric mucosal cells. 2001 , 281, G726-34		24
1937	FGF induces a switch in death receptor pathways in neuronal cells. 2001 , 21, 4996-5006		33
1936	p53, caspase 8, and regulation of apoptosis after ionizing radiation. 2001 , 23, 185-8		15
1935	Apoptosis in liver disease. 2001 , 13, 785-90		53
1934	Apoptosis of CTLL-2 cells induced by an immunosuppressant, ISP-I, is caspase-3-like protease-independent. 2001 , 129, 521-7		4
1933	Vitamin E analogues as inducers of apoptosis: implications for their potential antineoplastic role. 2001 , 6, 143-51		41
1932	Molecular mechanisms of the decision between life and death: regulation of apoptosis by apoptosis signal-regulating kinase 1. 2001 , 130, 1-8		144
1931	cDNA cloning and promoter analysis of rat caspase-9. <i>Biochemical Journal</i> , 2001 , 360, 49-56	3.8	19
1930	cDNA cloning and promoter analysis of rat caspase-9. <i>Biochemical Journal</i> , 2001 , 360, 49-56	3.8	27
1929	Involvement of caspase-2 long isoform in Fas-mediated cell death of human leukemic cells. 2001 , 97, 1835-44		54
1928	Rapid extracellular release of cytochrome c is specific for apoptosis and marks cell death in vivo. 2001 , 98, 1542-8		134
1927	Apo2L/TRAIL and Bcl-2-related proteins regulate type I interferon-induced apoptosis in multiple myeloma. 2001 , 98, 2183-92		178
1926	Caspase 8 activation independent of Fas (CD95/APO-1) signaling may mediate killing of B-chronic lymphocytic leukemia cells by cytotoxic drugs or gamma radiation. 2001 , 98, 2800-7		55
1925	Cell death control in lymphocytes. 2000 , 76, 179-226		28
1924	Cloning and analysis of Bcl-2 family genes. 2001 , 66, 29-47		3
1923	Excitotoxins, nitric oxide and programmed neuronal death. 2001 , 323-347		
1922	Multiple kinetics of mitochondrial cytochrome c release in drug-induced apoptosis. 2001 , 60, 1008-19		49
1921	Ebselen reduces cytochrome c release from mitochondria and subsequent DNA fragmentation after transient focal cerebral ischemia in mice. 2001 , 32, 1906-11		88

1920	Analysis of nuclear apoptotic process in a cell-free system. 2001 , 58, 298-306	11
1919	Apoptotic and necrotic cell death induced by death domain receptors. 2001 , 58, 356-70	199
1918	Apoptosis, clearance mechanisms, and the development of systemic lupus erythematosus. 2001 , 3, 191-8	29
1917	Apoptosis in the vascular wall and atherosclerosis. 2001 , 96, 11-22	127
1916	Apoptosis induced in HepG2 cells by short exposure to millimolar concentrations of ethanol involves the Fas-receptor pathway. 2001 , 127, 418-24	44
1915	Differentiation, apoptosis, and function of human immature and mature myeloid cells: intracellular signaling mechanism. 2001 , 73, 438-452	18
1914	Leakage and aggregation of phospholipid vesicles induced by the BH3-only Bcl-2 family member, BID. 2001 , 268, 48-55	27
1913	The pro-apoptotic Bcl-2 family member tBid localizes to mitochondrial contact sites. 2001 , 2, 22	111
1912	Nitric oxide protects cultured rheumatoid synovial cells from Fas-induced apoptosis by inhibiting caspase-3. 2001 , 103, 362-7	34
1911	Signaling pathways and effector mechanisms pre-programmed cell death. 2001 , 9, 1371-84	104
1910	Ligation of major histocompatibility complex class I antigens (MHC-I) prevents apoptosis induced by Fas or SAPK/JNK activation in T-lymphoma cells. 2001 , 58, 171-80	4
1909	Caspase activation during hepatocyte apoptosis induced by tumor necrosis factor-alpha in galactosamine-sensitized mice. 2001 , 21, 309-19	21
1908	Co-localization of active caspase-3 and DNA fragmentation (TUNEL) in normal and hyperthermia-induced abnormal mouse development. 2001 , 63, 134-43	47
1907	Differential expression of CD95, Bcl-2, and Bax in rat gastric chief and parietal cells. 2001 , 53, 377-88	5
1906	Activation of the caspase cascade during Stx1-induced apoptosis in Burkitt's lymphoma cells. 2001 , 81, 128-42	34
1905	Augmentation of death ligand-induced apoptosis by aminopeptidase inhibitors in human solid tumor cell lines. 2001 , 94, 485-91	35
1904	Inactivation of multiple targets by nitric oxide in CD95-triggered apoptosis. 2001 , 82, 123-33	9
1903	Cepharanthine activates caspases and induces apoptosis in Jurkat and K562 human leukemia cell lines. 2001 , 82, 200-14	47

1902	Apoptosis of inflammatory cells in immune control of the nervous system: role of glia. 2001 , 36, 137-44	108
1901	Apoptosis and its clinical impact. 2001 , 23, 409-25	53
1900	Molecular mechanisms of death-receptor-mediated apoptosis. 2001 , 2, 20-9	111
1899	The emerging role of caspases in signal transduction as revealed by knock-out studies [hot only apoptosis. 2001 , 1, 51-65	1
1898	Differential involvement of p38 MAP kinase pathway and Bax translocation in the mitochondria-mediated cell death in TCR- and dexamethasone-stimulated thymocytes. 2001 , 31, 2702-8	43
1897	A cytomegalovirus-encoded inhibitor of apoptosis that suppresses caspase-8 activation. 2001 , 98, 7829-34	328
1896	TNF signaling in vascular endothelial cells. 2001 , 70, 317-25	252
1895	The heterocyclic amine, 3-amino-1,4-dimethyl-5H-pyrido[4,3-b]indole induces apoptosis in cocultures of rat parenchymal and nonparenchymal liver cells. 2001 , 177, 59-67	7
1894	The NS2 protein generated by the parvovirus minute virus of mice is degraded by the proteasome in a manner independent of ubiquitin chain elongation or activation. 2001 , 285, 346-55	23
1893	Role of apoptosis of renal tubular cells in acute renal failure: therapeutic implications. 2001 , 6, 83-102	62
1892	Dependence of permeability transition pore opening and cytochrome C release from mitochondria on mitochondria energetic status. 2001 , 224, 1-7	22
1891	Synthetic peptides and non-peptidic molecules as probes of structure and function of Bcl-2 family proteins and modulators of apoptosis. 2001 , 6, 453-62	14
1890	Mechanism of apoptosis induced by zinc deficiency in peripheral blood T lymphocytes. 2001 , 6, 419-29	41
1889	Apoptosis in cardiac disease--what is it--how does it occur. 2001 , 15, 507-23	26
1888	The Fas signaling connection between autoimmunity and embryonic lethality. 2001 , 21, 1-14	4
1887	Caspase-dependent apoptotic pathways in CNS injury. 2001 , 24, 131-44	126
1886	The molecular determinants of sunburn cell formation. 2001 , 10, 155-60	102
1885	Fas-induced apoptosis in mouse hepatocytes is dependent on C/EBPbeta. 2001 , 33, 1166-72	13

1884	The mitochondrial permeability transition contributes to acute ethanol-induced apoptosis in rat hepatocytes. 2001 , 34, 320-8		106
1883	Activation of caspases occurs downstream from radical oxygen species production, Bcl-xL down-regulation, and early cytochrome C release in apoptosis induced by transforming growth factor beta in rat fetal hepatocytes. 2001 , 34, 548-56		93
1882	Activation of caspase-8 during N-(4-hydroxyphenyl)retinamide-induced apoptosis in Fas-defective hepatoma cells. 2001 , 34, 1119-27		35
1881	Damage-induced Bax N-terminal change, translocation to mitochondria and formation of Bax dimers/complexes occur regardless of cell fate. <i>EMBO Journal</i> , 2001 , 20, 6306-15	13	120
1880	Apoptosis-associated release of Smac/DIABLO from mitochondria requires active caspases and is blocked by Bcl-2. <i>EMBO Journal</i> , 2001 , 20, 6627-36	13	329
1879	A reversible component of mitochondrial respiratory dysfunction in apoptosis can be rescued by exogenous cytochrome c. <i>EMBO Journal</i> , 2001 , 20, 661-71	13	122
1878	Dexamethasone inhibits TNF-alpha-induced apoptosis and IAP protein downregulation in MCF-7 cells. 2001 , 133, 467-76		47
1877	Host defense, viruses and apoptosis. 2001 , 8, 113-26		415
1876	Inhibition of phosphatidylinositol-3 kinase/Akt or mitogen-activated protein kinase signaling sensitizes endothelial cells to TNF-alpha cytotoxicity. 2001 , 8, 528-36		28
1875	The cyclin-dependent kinase inhibitor flavopiridol induces apoptosis in human leukemia cells (U937) through the mitochondrial rather than the receptor-mediated pathway. 2001 , 8, 715-24		58
1874	Death receptor-induced apoptotic and necrotic cell death: differential role of caspases and mitochondria. 2001 , 8, 829-40		180
1873	Glutamine deprivation-mediated cell shrinkage induces ligand-independent CD95 receptor signaling and apoptosis. 2001 , 8, 1004-13		75
1872	Endonuclease G: a mitochondrial protein released in apoptosis and involved in caspase-independent DNA degradation. 2001 , 8, 1136-42		260
1871	Bcl-2 over-expression and activation of protein kinase C suppress the trail-induced apoptosis in Jurkat T cells. 2001 , 11, 101-6		29
1870	Irradiation of mitochondria initiates apoptosis in a cell free system. 2001 , 20, 167-77		47
1869	Cell type specific involvement of death receptor and mitochondrial pathways in drug-induced apoptosis. 2001 , 20, 1063-75		206
1868	Staurosporine and conventional anticancer drugs induce overlapping, yet distinct pathways of apoptosis and caspase activation. 2001 , 20, 1193-202		122
1867	Intracellular mechanisms of TRAIL: apoptosis through mitochondrial-dependent and -independent pathways. 2001 , 20, 2122-33		317

1866	Sensitization of resistant lymphoma cells to irradiation-induced apoptosis by the death ligand TRAIL. 2001 , 20, 2190-6	135
1865	LUCA-15 suppresses CD95-mediated apoptosis in Jurkat T cells. 2001 , 20, 2713-9	31
1864	Bcl-2 oncoprotein protects the human prostatic carcinoma cell line PC3 from TRAIL-mediated apoptosis. 2001 , 20, 2836-43	63
1863	The HPV E7 oncoprotein inhibits tumor necrosis factor alpha-mediated apoptosis in normal human fibroblasts. 2001 , 20, 3629-40	44
1862	Identification of p21 as a target of cycloheximide-mediated facilitation of CD95-mediated apoptosis in human malignant glioma cells. 2001 , 20, 4757-67	49
1861	BAD/BCL-[X(L)] heterodimerization leads to bypass of G0/G1 arrest. 2001 , 20, 4507-18	52
1860	Constitutively active Akt is an important regulator of TRAIL sensitivity in prostate cancer. 2001 , 20, 6073-83	247
1859	Analysis of FasL and TRAIL induced apoptosis pathways in glioma cells. 2001 , 20, 5789-98	91
1858	Regulation of the cell cycle and apoptosis by the oncogenes of adenovirus. 2001 , 20, 7836-46	110
1857	Protein kinase C inhibits singlet oxygen-induced apoptosis by decreasing caspase-8 activation. 2001 , 20, 6764-76	43
1856	beta(2)-microglobulin induces apoptosis in HL-60 human leukemia cell line and its multidrug resistant variants overexpressing MRP1 but lacking Bax or overexpressing P-glycoprotein. 2001 , 20, 7006-20	25
1855	The protein kinase PKB/Akt regulates cell survival and apoptosis by inhibiting Bax conformational change. 2001 , 20, 7779-86	323
1854	Endonuclease G is an apoptotic DNase when released from mitochondria. 2001 , 412, 95-9	1370
1853	Geranylgeraniol, an intermediate product in mevalonate pathway, induces apoptotic cell death in human hepatoma cells: death receptor-independent activation of caspase-8 with down-regulation of Bcl-xL expression. 2001 , 92, 918-25	18
1852	The machinery of programmed cell death. 2001 , 92, 57-70	625
1851	Bid regulation of neuronal apoptosis. 2001 , 128, 187-90	21
1850	Mechanism of apoptosis in HL-60 cells induced by n-3 and n-6 polyunsaturated fatty acids. 2001 , 62, 821-8	100
1849	Inhibition of apoptosis by intracellular protozoan parasites. 2001 , 31, 1166-76	138

1848	Life-or-death decisions by the Bcl-2 protein family. 2001 , 26, 61-6	774
1847	The programmed death phenomena, aging, and the Samurai law of biology. 2001 , 36, 995-1024	110
1846	Apoptosis regulators and their role in tumorigenesis. 2001 , 1551, F1-37	73
1845	BH3-only proteins that bind pro-survival Bcl-2 family members fail to induce apoptosis in the absence of Bax and Bak. 2001 , 15, 1481-6	652
1844	Elevated AKT activity protects the prostate cancer cell line LNCaP from TRAIL-induced apoptosis. 2001 , 276, 10767-74	215
1843	Apoptosis-resistant mitochondria in T cells selected for resistance to Fas signaling. 2001 , 276, 3610-9	25
1842	Caspase-2-induced apoptosis is dependent on caspase-9, but its processing during UV- or tumor necrosis factor-dependent cell death requires caspase-3. 2001 , 276, 21907-15	79
1841	Apoptosis signal-regulating kinase 1 controls the proapoptotic function of death-associated protein (Daxx) in the cytoplasm. 2001 , 276, 39103-6	91
1840	Resistance to granzyme B-mediated cytochrome c release in Bak-deficient cells. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1325-37	16.6 63
1839	E1B 19K blocks Bax oligomerization and tumor necrosis factor alpha-mediated apoptosis. 2001 , 75, 7506-16	79
1838	Neuronal Death by Accident or by Design. 2001 ,	
1837	Involvement of Bik, a proapoptotic member of the Bcl-2 family, in surface IgM-mediated B cell apoptosis. 2001 , 166, 6025-33	44
1836	Caspase-3 apoptotic signaling following injury to the central nervous system. 2001 , 39, 299-307	50
1835	Caspase cleavage enhances the apoptosis-inducing effects of BAD. 2001 , 21, 3025-36	101
1834	The inhibitor of apoptosis protein-binding domain of Smac is not essential for its proapoptotic activity. 2001 , 153, 221-8	90
1833	Molecular steps of tumor necrosis factor receptor-mediated apoptosis. 2001 , 1, 317-24	71
1832	Increased in vivo apoptosis in cells lacking mitochondrial DNA gene expression. 2001 , 98, 4038-43	216
1831	BH3-only Bcl-2 family members are coordinately regulated by the JNK pathway and require Bax to induce apoptosis in neurons. 2001 , 276, 37754-60	246

1830	Decreased cardiolipin synthesis corresponds with cytochrome c release in palmitate-induced cardiomyocyte apoptosis. 2001 , 276, 38061-7	190
1829	Mitochondria and apoptosis. 2001 , 10, 147-61	74
1828	Effect of inhibitors of cysteine and serine proteases in anticancer drug-induced apoptosis in gastric cancer cells. 2001 , 18, 1227-32	4
1827	Mitochondrial control of apoptosis. 2001 , 5, 93-122	4
1826	Bax and Bak coalesce into novel mitochondria-associated clusters during apoptosis. 2001 , 153, 1265-76	385
1825	Pro-apoptotic cleavage products of Bcl-xL form cytochrome c-conducting pores in pure lipid membranes. 2001 , 276, 31083-91	121
1824	Granzyme B induces BID-mediated cytochrome c release and mitochondrial permeability transition. 2001 , 276, 6974-82	115
1823	Identification of a caspase-9 substrate and detection of its cleavage in programmed cell death during mouse development. 2001 , 276, 41237-44	67
1822	Yersinia enterocolitica YopP-induced apoptosis of macrophages involves the apoptotic signaling cascade upstream of bid. 2001 , 276, 19706-14	98
1821	Suppression of tumor necrosis factor-mediated apoptosis by nuclear factor kappaB-independent bone morphogenetic protein/Smad signaling. 2001 , 276, 39259-63	59
1820	Bcl-G, a novel pro-apoptotic member of the Bcl-2 family. 2001 , 276, 2780-5	128
1819	Identification of a new form of death-associated protein kinase that promotes cell survival. 2001 , 276, 39667-78	45
1818	Activation of pro-death Bcl-2 family proteins and mitochondria apoptosis pathway in tumor necrosis factor-alpha-induced liver injury. 2001 , 276, 27432-40	102
1817	Transient expression of wild-type or mitochondrially targeted Bcl-2 induces apoptosis, whereas transient expression of endoplasmic reticulum-targeted Bcl-2 is protective against Bax-induced cell death. 2001 , 276, 44117-28	143
1816	Protein kinase C regulates FADD recruitment and death-inducing signaling complex formation in Fas/CD95-induced apoptosis. 2001 , 276, 44944-52	77
1815	Granzyme B-mediated apoptosis proceeds predominantly through a Bcl-2-inhibitable mitochondrial pathway. 2001 , 276, 12060-7	134
1814	Expression of bbc3, a pro-apoptotic BH3-only gene, is regulated by diverse cell death and survival signals. 2001 , 98, 11318-23	334
1813	Inhibition of cytochrome c release in Fas-mediated signaling pathway in transgenic mice induced to express hepatitis C viral proteins. 2001 , 276, 12140-6	84

1812	Nuclear factor-kappa B-inducible death effector domain-containing protein suppresses tumor necrosis factor-mediated apoptosis by inhibiting caspase-8 activity. 2001 , 276, 26398-404	101
1811	Interleukin-6 protects against Fas-mediated death by establishing a critical level of anti-apoptotic hepatic proteins FLIP, Bcl-2, and Bcl-xL. 2001 , 276, 26605-13	238
1810	Phosphorylation of the pro-apoptotic protein BIK: mapping of phosphorylation sites and effect on apoptosis. 2001 , 276, 4671-6	76
1809	p38-mediated regulation of an Fas-associated death domain protein-independent pathway leading to caspase-8 activation during TGFbeta-induced apoptosis in human Burkitt lymphoma B cells BL41. 2001 , 12, 3139-51	76
1808	The novel triterpenoid CDDO induces apoptosis and differentiation of human osteosarcoma cells by a caspase-8 dependent mechanism. 2001 , 59, 1094-9	115
1807	B cell receptor cross-linking triggers a caspase-8-dependent apoptotic pathway that is independent of the death effector domain of Fas-associated death domain protein. 2001 , 167, 733-40	36
1806	Apoptosis and syncytial fusion in human placental trophoblast and skeletal muscle. 2001 , 205, 215-53	69
1805	The adapter protein apoptotic protease-activating factor-1 (Apaf-1) is proteolytically processed during apoptosis. 2001 , 276, 29772-81	64
1804	Selective targeting of a redox-active ubiquinone to mitochondria within cells: antioxidant and antiapoptotic properties. 2001 , 276, 4588-96	794
1803	Bid, a widely expressed proapoptotic protein of the Bcl-2 family, displays lipid transfer activity. 2001 , 21, 7268-76	118
1802	A role for mitochondrial Bak in apoptotic response to anticancer drugs. 2001 , 276, 34307-17	100
1801	Lysosomal protease pathways to apoptosis. Cleavage of bid, not pro-caspases, is the most likely route. 2001 , 276, 3149-57	508
1800	Interferon-gamma sensitizes human myeloid leukemia cells to death receptor-mediated apoptosis by a pleiotropic mechanism. 2001 , 276, 17779-87	48
1799	Vaccinia virus infection disarms the mitochondrion-mediated pathway of the apoptotic cascade by modulating the permeability transition pore. 2001 , 75, 11437-48	44
1798	Bcl-2 prevents Bax oligomerization in the mitochondrial outer membrane. 2001 , 276, 18361-74	252
1797	Pro-survival function of Akt/protein kinase B in prostate cancer cells. Relationship with TRAIL resistance. 2001 , 276, 38361-9	88
1796	Different programs of activation-induced cell death are triggered in mature activated CTL by immunogenic and partially agonistic peptide ligands. 2001 , 166, 989-95	16
1795	Tumoricidal activity of monocyte-derived dendritic cells: evidence for a caspase-8-dependent, Fas-associated death domain-independent mechanism. 2001 , 167, 3565-9	53

1794	Characterization of antiapoptotic activities of Chlamydia pneumoniae in human cells. 2001 , 69, 7121-9	105
1793	Concepts in the use of TRAIL/Apo2L: an emerging biotherapy for myeloma and other neoplasias. 2001 , 10, 1521-30	28
1792	Hypoxia induces apoptosis by caspase activation accompanying cytochrome C release from mitochondria in MC3T3E1 osteoblasts. p38 MAPK is related in hypoxia-induced apoptosis. 2001 , 23, 133-52	29
1791	Tumor necrosis factor-related apoptosis-inducing ligand and chemotherapy cooperate to induce apoptosis in mesothelioma cell lines. 2001 , 25, 111-8	74
1790	Mitochondria in apoptosis and human disease. 2001 , 1, 91-122	90
1789	Different pathways mediate cytochrome c release after photodynamic therapy with hypericin. 2001 , 74, 133-42	48
1788	Dysregulation of apoptosis and a novel mechanism of defective apoptotic signal transduction in human B-cell neoplasms. 2002 , 43, 243-9	6
1787	Ectopic expression of Bcl-2 and Bcl-xL inhibits apoptosis induced by TNF-related apoptosis-inducing ligand (TRAIL) through suppression of caspases-8, 7, and 3 and BID cleavage in human acute myelogenous leukemia cell line HL-60. 2002 , 22, 269-79	45
1786	Activation of Bak, Bax, and BH3-only proteins in the apoptotic response to doxorubicin. 2002 , 277, 44317-26	119
1785	Apicidin, a histone deacetylase inhibitor, induces apoptosis and Fas/Fas ligand expression in human acute promyelocytic leukemia cells. 2002 , 277, 2073-80	161
1784	Enhancement of metabolic oxidative stress-induced cytotoxicity by the thioredoxin inhibitor 1-methylpropyl 2-imidazolyl disulfide is mediated through the ASK1-SEK1-JNK1 pathway. 2002 , 62, 1409-17	16
1783	TRAIL receptor and CD95 signal to mitochondria via FADD, caspase-8/10, Bid, and Bax but differentially regulate events downstream from truncated Bid. 2002 , 277, 40760-7	50
1782	Proteasome-mediated degradation of Smac during apoptosis: XIAP promotes Smac ubiquitination in vitro. 2002 , 277, 36611-6	229
1781	Hsp27 as a negative regulator of cytochrome C release. 2002 , 22, 816-34	366
1780	Bak and Bax function to limit adenovirus replication through apoptosis induction. 2002 , 76, 4547-58	72
1779	The apoptotic protein tBid promotes leakage by altering membrane curvature. 2002 , 277, 32632-9	148
1778	Relief of extrinsic pathway inhibition by the Bid-dependent mitochondrial release of Smac in Fas-mediated hepatocyte apoptosis. 2002 , 277, 26912-20	108
1777	Mitochondrial respiratory control is lost during growth factor deprivation. 2002 , 99, 12801-6	67

1776	The absence of NF-kappaB-mediated inhibition of c-Jun N-terminal kinase activation contributes to tumor necrosis factor alpha-induced apoptosis. 2002 , 22, 8571-9		124
1775	Bcl-2 and Bcl-xL inhibit CD95-mediated apoptosis by preventing mitochondrial release of Smac/DIABLO and subsequent inactivation of X-linked inhibitor-of-apoptosis protein. 2002 , 277, 11345-51		188
1774	Mechanisms of AIF-mediated apoptotic DNA degradation in <i>Caenorhabditis elegans</i> . 2002 , 298, 1587-92		333
1773	Induction of apoptosis by 1,4-benzothiazine analogs in mouse thymocytes. 2002 , 300, 1053-62		10
1772	Glutathione dependence of caspase-8 activation at the death-inducing signaling complex. 2002 , 277, 5588-95		55
1771	Bax and Bak independently promote cytochrome C release from mitochondria. 2002 , 277, 14127-34		157
1770	Identification and characterization of DEDD2, a death effector domain-containing protein. 2002 , 277, 7501-8		30
1769	Rapid kinetics of tBid-induced cytochrome c and Smac/DIABLO release and mitochondrial depolarization. 2002 , 277, 5651-9		147
1768	Cytochrome c release upon Fas receptor activation depends on translocation of full-length bid and the induction of the mitochondrial permeability transition. 2002 , 277, 10073-82		96
1767	Inhibition of glucocorticoid-induced apoptosis in 697 pre-B lymphocytes by the mineralocorticoid receptor N-terminal domain. 2002 , 277, 42188-96		28
1766	Bax oligomerization in mitochondrial membranes requires tBid (caspase-8-cleaved Bid) and a mitochondrial protein. <i>Biochemical Journal</i> , 2002 , 368, 915-21	3.8	159
1765	Cell detachment triggers p38 mitogen-activated protein kinase-dependent overexpression of Fas ligand. A novel mechanism of Anoikis of intestinal epithelial cells. 2002 , 277, 46123-30		70
1764	The phosphatidylinositol 3-kinase (PI3K)-Akt pathway suppresses Bax translocation to mitochondria. 2002 , 277, 14040-7		271
1763	CD28-dependent activation of protein kinase B/Akt blocks Fas-mediated apoptosis by preventing death-inducing signaling complex assembly. <i>Journal of Experimental Medicine</i> , 2002 , 196, 335-48	16.6	116
1762	Distinct pathways of apoptosis triggered by FTY720, etoposide, and anti-Fas antibody in human T-lymphoma cell line (Jurkat cells). 2002 , 300, 939-45		36
1761	<i>Escherichia coli</i> shiga-like toxins induce apoptosis and cleavage of poly(ADP-ribose) polymerase via in vitro activation of caspases. 2002 , 70, 4669-77		68
1760	Siva-1 binds to and inhibits BCL-X(L)-mediated protection against UV radiation-induced apoptosis. 2002 , 99, 6925-30		71
1759	Productive HIV-1 infection of primary CD4+ T cells induces mitochondrial membrane permeabilization leading to a caspase-independent cell death. 2002 , 277, 1477-87		55

1758	A novel zinc finger protein interacts with receptor-interacting protein (RIP) and inhibits tumor necrosis factor (TNF)- and IL1-induced NF-kappa B activation. 2002 , 277, 15985-91	47
1757	Inactivation of caspase-8 on mitochondria of Bcl-xL-expressing MCF7-Fas cells: role for the bifunctional apoptosis regulator protein. 2002 , 277, 4351-60	88
1756	Differential regulation of doxorubicin-induced mitochondrial dysfunction and apoptosis by Bcl-2 in mammary adenocarcinoma (MTLn3) cells. 2002 , 277, 35869-79	75
1755	Bid-mediated mitochondrial pathway is critical to ischemic neuronal apoptosis and focal cerebral ischemia. 2002 , 277, 42074-81	92
1754	Apoptotic pathways: involvement of lysosomal proteases. 2002 , 383, 1035-44	157
1753	7,12-Dimethylbenz[a]anthracene induces apoptosis in murine pre-B cells through a caspase-8-dependent pathway. 2002 , 62, 313-9	28
1752	Bcl-2 family members and functional electron transport chain regulate oxygen deprivation-induced cell death. 2002 , 22, 94-104	142
1751	Mitochondria in Pathogenesis. 2002 ,	4
1750	Role of glutaredoxin in metabolic oxidative stress. Glutaredoxin as a sensor of oxidative stress mediated by H2O2. 2002 , 277, 46566-75	209
1749	Calpain-mediated Bid cleavage and calpain-independent Bak modulation: two separate pathways in cisplatin-induced apoptosis. 2002 , 22, 3003-13	202
1748	Vincristine induced apoptosis in acute lymphoblastic leukaemia cells: a mitochondrial controlled pathway regulated by reactive oxygen species?. 2002 , 21, 1339-45	40
1747	Hypericin induced death receptor-mediated apoptosis in photoactivated tumor cells. 2002 , 9, 601	
1746	Photodynamic therapy induced Fas-mediated apoptosis in human carcinoma cells. 2002 , 9, 257	3
1745	Actinomycin D-mediated sensitization of AIDS-Kaposi's sarcoma cells to Fas-mediated apoptosis: Involvement of the mitochondrion-dependent pathway. 2002 , 20, 819	
1744	Mechanism(s) of antitumor action in protracted infusion of low dose 5-fluorouracil and cisplatin in gastric carcinoma. 2002 , 20, 549	2
1743	Diversity of the apoptotic response to chemotherapy in childhood leukemia. 2002 , 16, 223-32	28
1742	The novel triterpenoid 2-cyano-3,12-dioxooleana-1,9-dien-28-oic acid (CDDO) potently enhances apoptosis induced by tumor necrosis factor in human leukemia cells. 2002 , 277, 16448-55	71
1741	Bcl-2 family member Bfl-1/A1 sequesters truncated bid to inhibit its collaboration with pro-apoptotic Bak or Bax. 2002 , 277, 22781-8	128

1740	Importance of FADD signaling in serum deprivation- and hypoxia-induced cardiomyocyte apoptosis. 2002 , 277, 31639-45	51
1739	Selective inhibition of dipeptidyl peptidase I, not caspases, prevents the partial processing of procaspase-3 in CD3-activated human CD8(+) T lymphocytes. 2002 , 277, 32339-47	22
1738	Enhanced Sensitivity of G1 Arrested Human Cancer Cells Suggests a Novel Therapeutic Strategy Using a Combination of Simvastatin and TRAIL. 2002 , 1, 79-86	55
1737	Apoptosis and taxol therapy. 2002 , 1, 118-20	2
1736	Biphasic translocation of Bax to mitochondria. <i>Biochemical Journal</i> , 2002 , 367, 169-78	3.8 75
1735	Role of MRIT/cFLIP in protection against chemotherapy-induced apoptosis. 2002 , 1, 652-60	25
1734	Anoxia-induced apoptosis occurs through a mitochondria-dependent pathway in lung epithelial cells. 2002 , 282, L727-34	70
1733	Regulation of T cell apoptosis during the immune response. 2002 , 2, 257-72	83
1732	TRAIL-induced apoptosis requires Bax-dependent mitochondrial release of Smac/DIABLO. 2002 , 16, 33-45	369
1731	Antiapoptotic effects induced by different wavelengths of ultraviolet light. 2002 , 75, 495-502	20
1730	Intrinsic and extrinsic pathway signaling during neuronal apoptosis: lessons from the analysis of mutant mice. 2002 , 157, 441-53	177
1729	Hsp72 and stress kinase c-jun N-terminal kinase regulate the bid-dependent pathway in tumor necrosis factor-induced apoptosis. 2002 , 22, 3415-24	147
1728	Caspases in Programmed Cell Death. 2002 , 369-373	
1727	Mitochondrial energy dissipation by fatty acids. Mechanisms and implications for cell death. 2002 , 65, 97-126	63
1726	The Drosophila DIAP1 protein is required to prevent accumulation of a continuously generated, processed form of the apical caspase DRONC. 2002 , 277, 49644-50	135
1725	Caspase-8 and Apaf-1-independent caspase-9 activation in Sendai virus-infected cells. 2002 , 277, 29817-24	48
1724	Epstein-Barr virus BALF1 is a BCL-2-like antagonist of the herpesvirus antiapoptotic BCL-2 proteins. 2002 , 76, 2469-79	76
1723	Post-cytochrome C protection from apoptosis conferred by a MAPK pathway in Xenopus egg extracts. 2002 , 13, 393-401	51

1722	Cyclosporin A inhibits caspase-independent death of NGF-deprived sympathetic neurons: a potential role for mitochondrial permeability transition. 2002 , 157, 771-81	44
1721	Viral homologs of BCL-2: role of apoptosis in the regulation of virus infection. 2002 , 16, 2465-78	220
1720	CELL DEATH PATHWAYS AS TARGETS FOR ANTICANCER DRUGS. 2002 , 55-76	2
1719	Confirmation by FRET in individual living cells of the absence of significant amyloid beta -mediated caspase 8 activation. 2002 , 99, 14716-21	87
1718	Molecular ordering of the initial signaling events of CD95. 2002 , 22, 207-20	340
1717	c-Myc augments the apoptotic activity of cytosolic death receptor signaling proteins by engaging the mitochondrial apoptotic pathway. 2002 , 277, 43224-32	61
1716	tBID Homooligomerizes in the mitochondrial membrane to induce apoptosis. 2002 , 277, 12237-45	120
1715	Regulation of intracellular pH mediates Bax activation in HeLa cells treated with staurosporine or tumor necrosis factor-alpha. 2002 , 277, 49569-76	97
1714	Apoptosis stimulated by the 91-kDa caspase cleavage MEKK1 fragment requires translocation to soluble cellular compartments. 2002 , 277, 10283-91	33
1713	Early mitochondrial activation and cytochrome c up-regulation during apoptosis. 2002 , 277, 50842-54	155
1712	An endoplasmic reticulum stress-specific caspase cascade in apoptosis. Cytochrome c-independent activation of caspase-9 by caspase-12. 2002 , 277, 34287-94	704
1711	Apoptosis Methods in Pharmacology and Toxicology. 2002 ,	
1710	Development of a human neuronal cell model for human immunodeficiency virus (HIV)-infected macrophage-induced neurotoxicity: apoptosis induced by HIV type 1 primary isolates and evidence for involvement of the Bcl-2/Bcl-xL-sensitive intrinsic apoptosis pathway. 2002 , 76, 9407-19	78
1709	Curcumin (diferuloylmethane) induces apoptosis through activation of caspase-8, BID cleavage and cytochrome c release: its suppression by ectopic expression of Bcl-2 and Bcl-xl. 2002 , 23, 143-50	310
1708	Reduction of hepatocarcinogenesis by ursodeoxycholic acid in rats. 2002 , 23, 885-92	32
1707	Role of Mitochondria in Apoptosis Induced by Tumor Necrosis Factor- α 2002 , 247-263	
1706	Keeping killers on a tight leash: transcriptional and post-translational control of the pro-apoptotic activity of BH3-only proteins. 2002 , 9, 505-12	616
1705	Multifunctional role of Fas-associated death domain protein in apoptosis. 2002 , 35, 1-6	9

1704	Tumor necrosis factor-alpha-associated lysosomal permeabilization is cathepsin B dependent. 2002 , 283, G947-56	140
1703	Signaling to gene activation and cell death by tumor necrosis factor receptors and Fas. 2002 , 214, 225-72	38
1702	Molecular mechanisms involved in UV-induced apoptotic cell death. 2002 , 15, 342-7	70
1701	A new challenge for successful immunotherapy by tumors that are resistant to apoptosis: two complementary signals to overcome cross-resistance. 2002 , 85, 145-74	42
1700	Apoptosis in lymphocytic leukemias and lymphomas. 2002 , 20, 737-48	31
1699	Intracellular regulation of tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis in human multiple myeloma cells. 2002 , 99, 2162-71	130
1698	Ectopic overexpression of second mitochondria-derived activator of caspases (Smac/DIABLO) or cotreatment with N-terminus of Smac/DIABLO peptide potentiates epothilone B derivative-(BMS 247550) and Apo-2L/TRAIL-induced apoptosis. 2002 , 99, 3419-26	164
1697	Mitochondria-dependent and -independent mechanisms in tumour necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced apoptosis are both regulated by interferon-gamma in human breast tumour cells. <i>Biochemical Journal</i> , 2002 , 365, 825-32	3.8 56
1696	Caspase inhibitors as anti-inflammatory and antiapoptotic agents. 2002 , 39, 1-72	20
1695	New insights into the role of apoptosis in cardiovascular disease. 2002 , 66, 1-9	17
1694	Apoptosis signaling pathways. 2002 , Chapter 7, Unit 7.18	4
1693	Caspase proteolysis of the cohesin component RAD21 promotes apoptosis. 2002 , 277, 16775-81	52
1692	Potential methods to circumvent blocks in apoptosis in lymphomas. 2002 , 14, 490-503	10
1691	Bcl-X(L) and calyculin A prevent translocation of Bax to mitochondria during apoptosis. 2002 , 291, 1258-64	24
1690	Caspase-8 gene transduction augments radiation-induced apoptosis in DLD-1 cells. 2002 , 292, 347-54	13
1689	Redox control of cell death. 2002 , 4, 405-14	446
1688	Bile acid-mediated hepatocyte apoptosis and cholestatic liver disease. 2002 , 34, 387-92	85
1687	Apoptosis in heart failure represents programmed cell survival, not death, of cardiomyocytes and likelihood of reverse remodeling. 2002 , 8, S512-7	38

1686	Expression of Bcl-2 family member Bid in normal and malignant tissues. 2002 , 4, 129-40	64
1685	Defining characteristics of Types I and II apoptotic cells in response to TRAIL. 2002 , 4, 551-7	161
1684	Single-cell fluorescence resonance energy transfer analysis demonstrates that caspase activation during apoptosis is a rapid process. Role of caspase-3. 2002 , 277, 24506-14	247
1683	Cell volume control and signal transduction in apoptosis. 2002 , 30, 541-51	36
1682	Induction of apoptosis in cancer: new therapeutic opportunities. 2002 , 34, 451-69	40
1681	Bid, Bax, and lipids cooperate to form supramolecular openings in the outer mitochondrial membrane. <i>Cell</i> , 2002 , 111, 331-42	56.2 1200
1680	Activation of caspases and cleavage of Bid are required for tyrosine and phenylalanine deficiency-induced apoptosis of human A375 melanoma cells. 2002 , 403, 50-8	12
1679	Sequence and functional similarities between pro-apoptotic Bid and plant lipid transfer proteins. 2002 , 1553, 331-40	25
1678	Thymidine phosphorylase suppresses Fas-induced apoptotic signal transduction independent of its enzymatic activity. 2002 , 295, 300-5	29
1677	Epstein-Barr virus BHRF1 functions downstream of Bid cleavage and upstream of mitochondrial dysfunction to inhibit TRAIL-induced apoptosis in BJAB cells. 2002 , 297, 682-7	29
1676	Resistance to mitochondrial- and Fas-mediated apoptosis in human leukemic cells with acquired resistance to 9-beta-D-arabinofuranosylguanosine. 2002 , 298, 338-44	6
1675	Recombinant adenovirus encoding H-ras ribozyme induces apoptosis in laryngeal cancer cells through caspase- and mitochondria-dependent pathways. 2002 , 298, 805-14	12
1674	Death receptor-mediated apoptosis and the liver. 2002 , 37, 400-10	155
1673	Motoneuron death triggered by a specific pathway downstream of Fas. potentiation by ALS-linked SOD1 mutations. 2002 , 35, 1067-83	365
1672	A distinct pathway remodels mitochondrial cristae and mobilizes cytochrome c during apoptosis. 2002 , 2, 55-67	862
1671	Survival factor-mediated BAD phosphorylation raises the mitochondrial threshold for apoptosis. 2002 , 3, 631-43	239
1670	Death receptor Fas and autoimmune disease: from the original generation to therapeutic application of agonistic anti-Fas monoclonal antibody. 2002 , 13, 393-402	19
1669	The role of caspases 9 and 9-short (9S) in death ligand- and drug-induced apoptosis in human astrocytoma cells. 2002 , 106, 42-9	9

1668	Cisplatin-induced apoptosis in auditory cells: role of death receptor and mitochondrial pathways. 2002 , 174, 45-54	173
1667	Mitochondria, oxygen metabolism and the regulation of cell death. 2002 , 1233, 259-272	8
1666	vMIA, a viral inhibitor of apoptosis targeting mitochondria. 2002 , 84, 177-85	70
1665	Mitochondrial disappearance from cells: a clue to the role of autophagy in programmed cell death and disease?. 2002 , 84, 233-40	210
1664	Mitochondrial involvement in the point of no return in neuronal apoptosis. 2002 , 84, 223-31	96
1663	Mitochondria: regulating the inevitable. 2002 , 84, 105-11	92
1662	Mitochondrial anomalies are associated with the induction of intrinsic cell death proteins-Bcl(2), Bax, cytochrome-c and p53 in mice brain during experimental fatal murine cerebral malaria. 2002 , 329, 319-23	20
1661	Inhibition of programmed cell death impairs in vitro vascular-like structure formation and reduces in vivo angiogenesis. 2002 , 16, 833-41	96
1660	Caspase-2 induces apoptosis by releasing proapoptotic proteins from mitochondria. 2002 , 277, 13430-7	373
1659	Caspase activation in hair cells of the mouse utricle exposed to neomycin. 2002 , 22, 8532-40	133
1658	Mitochondrial Dysfunction in the Pathogenesis of Acute Neural Cell Death. 2002 , 317-331	
1657	ELISAs for Quantification of Bcl-2 Family Activities and Active Caspases. 2002 , 119-148	
1656	The involvement of tumor necrosis factor-alpha (TNF) as an intraovarian regulator of oocyte apoptosis in the neonatal rat. 2002 , 7, d1997-2005	11
1655	mda-7 (IL-24): Signaling and Functional Roles. 2002 , 33, S30-S39	52
1654	Amyloid-beta induces Smac release via AP-1/Bim activation in cerebral endothelial cells. 2002 , 22, 9764-70	101
1653	Polyamine depletion prevents camptothecin-induced apoptosis by inhibiting the release of cytochrome c. 2002 , 282, C1290-7	52
1652	Mitochondria: regulators of cell death and survival. 2002 , 2, 1569-78	38
1651	BAX and BH3-domain-only proteins in p53-mediated apoptosis. 2002 , 7, d151	22

1650	Caspase cascades in human immunodeficiency virus-associated neurodegeneration. 2002 , 22, 4015-24	196
1649	Régulation de la mort cellulaire programmée : vers une conception plus dynamique. 2002 , 18, 841-852	1
1648	Hypoxia-induced cleavage of caspase-3 and DFF45/ICAD in human failed cardiomyocytes. 2002 , 283, H990-5	26
1647	Independent contribution of three different pathways to ultraviolet-B-induced apoptosis. 2002 , 64, 837-41	121
1646	Distinct BH3 domains either sensitize or activate mitochondrial apoptosis, serving as prototype cancer therapeutics. 2002 , 2, 183-92	1327
1645	T lymphocyte activation--an inside overview. 2002 , 29, 7-13	13
1644	Hypo-active variant of IL-2 and associated decreased T cell activation contribute to impaired apoptosis in autoimmune prone MRL mice. 2002 , 32, 677-85	12
1643	Differential sensitivity of Jurkat and primary T cells to caspase-independent cell death triggered upon Fas stimulation. 2002 , 32, 2376-84	11
1642	Prediction of translocation and cleavage of heterogeneous ribonuclear proteins and Rho guanine nucleotide dissociation inhibitor 2 during apoptosis by subcellular proteome analysis. 2002 , 2, 996-1006	43
1641	Role of Bcl-2 family of proteins in malignancy. 2002 , 20, 63-74	71
1640	Upregulation of Bcl-2 is involved in the mediation of chemotherapy resistance in human small cell lung cancer cell lines. 2002 , 97, 584-92	175
1639	IFN-gamma upregulates apoptosis-related molecules and enhances Fas-mediated apoptosis in human cholangiocarcinoma. 2002 , 100, 445-51	65
1638	A critical role for ethylene in hydrogen peroxide release during programmed cell death in tomato suspension cells. 2002 , 214, 537-45	126
1637	Two pathways for tBID-induced cytochrome c release from rat brain mitochondria: BAK- versus BAX-dependence. 2003 , 84, 196-207	51
1636	Activation of the Fas/Fas ligand pathway in hypertensive renal disease in Dahl/Rapp rats. 2002 , 3, 1	12
1635	In vitro prevention of cell-mediated xeno-graft rejection via the Fas/FasL-pathway in CrmA-transduced porcine kidney cells. 2002 , 8, 115-124	7
1634	Role of mitochondria in toxic cell death. 2002 , 181-182, 491-6	59
1633	Peptides in apoptosis research. 2002 , 8, 543-60	9

1632	Fas receptor-mediated apoptosis: a clinical application?. 2002 , 196, 125-34	105
1631	Contribution of death receptor and mitochondrial pathways to Fas-mediated apoptosis in the prostatic carcinoma cell line PC3. 2002 , 51, 231-40	22
1630	Dynamics of expression of apoptosis-regulatory proteins Bid, Bcl-2, Bcl-X, Bax and Bak during development of murine nervous system. 2002 , 9, 145-57	109
1629	A matrix-assisted laser desorption ionization post-source decay (MALDI-PSD) analysis of proteins released from isolated liver mitochondria treated with recombinant truncated Bid. 2002 , 9, 301-8	76
1628	The serine protease Omi/HtrA2 is released from mitochondria during apoptosis. Omi interacts with caspase-inhibitor XIAP and induces enhanced caspase activity. 2002 , 9, 20-6	270
1627	Reovirus-induced apoptosis requires both death receptor- and mitochondrial-mediated caspase-dependent pathways of cell death. 2002 , 9, 926-33	87
1626	Release of cytochrome c and activation of pro-caspase-9 following lysosomal photodamage involves Bid cleavage. 2002 , 9, 934-44	276
1625	MEK/ERK pathway protects ionizing radiation-induced loss of mitochondrial membrane potential and cell death in lymphocytic leukemia cells. 2002 , 9, 963-71	52
1624	Caspase-6 is the direct activator of caspase-8 in the cytochrome c-induced apoptosis pathway: absolute requirement for removal of caspase-6 prodomain. 2002 , 9, 1046-56	206
1623	XIAP inhibition of caspase-3 preserves its association with the Apaf-1 apoptosome and prevents CD95- and Bax-induced apoptosis. 2002 , 9, 881-92	102
1622	Distinct downstream pathways of caspase-11 in regulating apoptosis and cytokine maturation during septic shock response. 2002 , 9, 1115-25	90
1621	The role of mitochondrial factors in apoptosis: a Russian roulette with more than one bullet. 2002 , 9, 1031-42	498
1620	Ex vivo whole-embryo culture of caspase-8-deficient embryos normalize their aberrant phenotypes in the developing neural tube and heart. 2002 , 9, 1196-206	97
1619	Death on the beach: a rosy forecast for the 21st century. 2002 , 9, 1026-9	2
1618	Pro-apoptotic BH3-only Bcl-2 family members in vertebrate model organisms suitable for genetic experimentation. 2002 , 9, 1163-6	31
1617	The proapoptotic BH3-only protein BAD transduces cell death signals independently of its interaction with Bcl-2. 2002 , 9, 1240-7	36
1616	Wild-type p53 induced sensitization of mutant p53 TNF-resistant cells: role of caspase-8 and mitochondria. 2002 , 9, 219-27	18
1615	TRAIL and inhibitors of apoptosis are opposing determinants for NF-kappaB-dependent, genotoxin-induced apoptosis of cancer cells. 2002 , 21, 260-71	34

1614	PTEN sensitizes prostate cancer cells to death receptor-mediated and drug-induced apoptosis through a FADD-dependent pathway. 2002 , 21, 319-27	111
1613	Low glucose-enhanced TRAIL cytotoxicity is mediated through the ceramide-Akt-FLIP pathway. 2002 , 21, 337-46	61
1612	Regulation of the mitochondrial checkpoint in p53-mediated apoptosis confers resistance to cell death. 2002 , 21, 748-60	56
1611	Dysregulation of apoptosis genes in hematopoietic malignancies. 2002 , 21, 3459-74	134
1610	Endoplasmic reticulum calcium pool depletion-induced apoptosis is coupled with activation of the death receptor 5 pathway. 2002 , 21, 2623-33	85
1609	Induction of apoptosis by the new anticancer drug XK469 in human ovarian cancer cell lines. 2002 , 21, 4530-8	18
1608	Proteinase-3, a serine protease which mediates doxorubicin-induced apoptosis in the HL-60 leukemia cell line, is downregulated in its doxorubicin-resistant variant. 2002 , 21, 5160-74	18
1607	DNA damage, death receptor activation and reactive oxygen species contribute to ultraviolet radiation-induced apoptosis in an essential and independent way. 2002 , 21, 5844-51	449
1606	Apo2L/TRAIL differentially modulates the apoptotic effects of sulindac and a COX-2 selective non-steroidal anti-inflammatory agent in Bax-deficient cells. 2002 , 21, 6032-40	50
1605	Decreased akt activity is associated with activation of forkhead transcription factor after transient forebrain ischemia in gerbil hippocampus. 2002 , 22, 926-34	57
1604	Extensive and divergent circadian gene expression in liver and heart. 2002 , 417, 78-83	1235
1603	Minocycline inhibits cytochrome c release and delays progression of amyotrophic lateral sclerosis in mice. 2002 , 417, 74-8	937
1602	Signal-dependent protection from apoptosis in mice expressing caspase-resistant Rb. 2002 , 4, 757-65	76
1601	BID regulation by p53 contributes to chemosensitivity. 2002 , 4, 842-9	336
1600	Tumor-cell resistance to death receptor--induced apoptosis through mutational inactivation of the proapoptotic Bcl-2 homolog Bax. 2002 , 8, 274-81	458
1599	Targeting death and decoy receptors of the tumour-necrosis factor superfamily. 2002 , 2, 420-30	1092
1598	The Bcl2 family: regulators of the cellular life-or-death switch. 2002 , 2, 647-56	3082
1597	The chemical biology of apoptosis. Exploring protein-protein interactions and the life and death of cells with small molecules. 2002 , 9, 1059-72	79

1596	Mechanisms of hepatoprotection by nitric oxide. 2002 , 962, 415-22	54
1595	Treating Crohn's disease by inducing T lymphocyte apoptosis. 2002 , 973, 166-80	32
1594	Caspase-mediated cleavage of adenovirus early region 1A proteins. 2002 , 301, 255-71	13
1593	Murine coronavirus-induced apoptosis in 17Cl-1 cells involves a mitochondria-mediated pathway and its downstream caspase-8 activation and bid cleavage. 2002 , 302, 321-32	35
1592	Acetaminophen-induced inhibition of Fas receptor-mediated liver cell apoptosis: mitochondrial dysfunction versus glutathione depletion. 2002 , 181, 133-41	78
1591	Stressful death of T-ALL tumor cells after treatment with the anti-tumor agent Tetrocarcin-A. 2002 , 16, 1295-7	43
1590	The sunburn cell revisited: an update on mechanistic aspects. 2002 , 1, 365-77	44
1589	Cytotoxic signal transduction pathways via TNF family receptors. 2002 , 67, 312-28	8
1588	A decision between life and death during TNF-alpha-induced signaling. 2002 , 22, 185-94	145
1587	Initiator caspases in apoptosis signaling pathways. 2002 , 7, 313-9	339
1586	Caspase-9 inhibition after focal cerebral ischemia improves outcome following reversible focal ischemia. 2002 , 17, 143-51	47
1585	The roles of Bid. 2002 , 7, 433-40	162
1584	TNF-related apoptosis inducing ligand (TRAIL) and its receptors in tumor surveillance and cancer therapy. 2002 , 7, 449-59	109
1583	Oxygen deprivation induced cell death: an update. 2002 , 7, 475-82	136
1582	A novel embedment-free immunoelectron microscopy technique reveals association of apoptosis-regulating proteins with subcellular structures. 2002 , 34, 441-6	5
1581	tcBid promotes Ca(2+) signal propagation to the mitochondria: control of Ca(2+) permeation through the outer mitochondrial membrane. <i>EMBO Journal</i> , 2002 , 21, 2198-206	13 71
1580	Bringing cell death alive. 2003 , 3, 207-18	6
1579	Mechanisms of vanilloid-induced apoptosis. 2003 , 8, 251-62	44

1578	Helix 6 of tBid is necessary but not sufficient for mitochondrial binding activity. 2003 , 8, 277-89	22
1577	Effector lymphocytes in islet cell autoimmunity. 2003 , 4, 271-80	10
1576	Mitochondrial dysfunction and reactive oxygen species in excitotoxicity and apoptosis: implications for the pathogenesis of neurodegenerative diseases. 2003 , 28, 1563-74	333
1575	Signaling and cellular mechanisms in cardiac protection by ischemic and pharmacological preconditioning. 2003 , 24, 219-49	57
1574	Potential mechanisms of leukemia cell resistance to TRAIL-induced apoptosis. 2003 , 8, 601-7	23
1573	Apoptosis modulatory activities of transiently expressed Bcl-2: roles in cytochrome C release and Bax regulation. 2003 , 8, 617-29	42
1572	Ultraviolet A Radiation Induces Rapid Apoptosis of Human Leukemia Cells by Fas Ligand-Independent Activation of the Fas Death Pathway. 2003 , 78, 61-67	1
1571	Mechanisms of apoptosis in the heart. 2003 , 23, 447-59	104
1570	On the role of Hsp27 in regulating apoptosis. 2003 , 8, 61-70	404
1569	Reovirus-induced apoptosis: A minireview. 2003 , 8, 141-50	63
1568	Induction of Apoptosis by Rosemary Polyphenols in HL-60 Cells. 2003 , 121-141	
1567	Studies on neuronal apoptosis in primary forebrain cultures: neuroprotective/anti-apoptotic action of NR2B NMDA antagonists. 2003 , 5, 255-64	16
1566	Persistent eIF2alpha(P) is colocalized with cytoplasmic cytochrome c in vulnerable hippocampal neurons after 4 hours of reperfusion following 10-minute complete brain ischemia. 2003 , 106, 8-16	12
1565	The role of the Bcl-2 protein family in cancer. 2003 , 13, 115-23	185
1564	A role for P-glycoprotein in regulating cell growth and survival. 2003 , 4, 31-47	12
1563	Bcl-2-family proteins and the role of mitochondria in apoptosis. 2003 , 15, 691-9	522
1562	The avian chB6 alloantigen induces apoptosis in DT40 B cells. 2003 , 226, 95-104	8
1561	Cholesteryl-hemisuccinate-induced apoptosis of promyelocytic leukemia HL-60 cells through a cyclosporin A-insensitive mechanism. 2003 , 65, 339-48	14

1560	Induction of apoptosis in human hepatoblastoma cells by tetrandrine via caspase-dependent Bid cleavage and cytochrome c release. 2003 , 66, 725-31	58
1559	Permanent cerebral ischemia induces sustained procaspase 9L increase not controlled by Bcl-2. 2003 , 966, 26-39	8
1558	Molecular determinants of epothilone B derivative (BMS 247550) and Apo-2L/TRAIL-induced apoptosis of human ovarian cancer cells. 2003 , 89, 37-47	32
1557	Regulation of cardiac myocyte cell death. 2003 , 97, 223-61	80
1556	Involvement of mitochondria in acetaminophen-induced apoptosis and hepatic injury: roles of cytochrome c, Bax, Bid, and caspases. 2003 , 191, 118-29	132
1555	Carboplatin induces Fas (APO-1/CD95)-dependent apoptosis of human tongue carcinoma cells: sensitization for apoptosis by upregulation of FADD expression. 2003 , 105, 593-600	27
1554	Activation of multiple caspases and modification of cell surface fas (CD95) in proteasome inhibitor-induced apoptosis of rat natural killer cells. 2003 , 88, 482-92	8
1553	Apoptosis and lung cancer: a review. 2003 , 88, 885-98	169
1552	Cell death regulation by the Bcl-2 protein family in the mitochondria. 2003 , 195, 158-67	425
1551	Granzyme B leakage-induced cell death: a new type of activation-induced natural killer cell death. 2003 , 33, 3284-92	63
1550	Caspase-3 mediates retinoid-induced apoptosis in the organogenesis-stage mouse limb. 2003 , 67, 848-60	20
1549	Study of caspase inhibitors for limiting death in mammalian cell culture. 2003 , 81, 329-40	65
1548	Regulation of apoptosis by ubiquitination. 2003 , 193, 39-47	69
1547	The role of CD95 in the regulation of peripheral T-cell apoptosis. 2003 , 193, 58-69	165
1546	Caspase-activation pathways in apoptosis and immunity. 2003 , 193, 10-21	248
1545	Mycobacterium tuberculosis virulence correlates with mitochondrial cytochrome c release in infected macrophages. 2003 , 58, 419-27	29
1544	Etoposide upregulates Bax-enhancing tumour necrosis factor-related apoptosis inducing ligand-mediated apoptosis in the human hepatocellular carcinoma cell line QGY-7703. 2003 , 270, 2721-31	19
1543	Ceramide increases mitochondrial free calcium levels via caspase 8 and Bid: role in initiation of cell death. 2003 , 84, 643-54	55

1542	Sequential activation of individual caspases, and of alterations in Bcl-2 proapoptotic signals in a mouse model of Huntington's disease. 2003 , 87, 1184-92	55
1541	Involvement of oxidative stress in apoptosis induced by a mixture of isothiazolinones in normal human keratinocytes. 2003 , 121, 328-36	31
1540	Differential gene expression following early renal ischemia/reperfusion. 2003 , 63, 1714-24	346
1539	Infection of human urethral epithelium with <i>Neisseria gonorrhoeae</i> elicits an upregulation of host anti-apoptotic factors and protects cells from staurosporine-induced apoptosis. 2003 , 5, 549-60	71
1538	Release of cytochrome c and activation of caspases related to myocyte apoptosis in obstructed ureters in a rat model of obstructive uropathy. 2003 , 92, 113-8	1
1537	The multiple roles of Fas ligand in the pathogenesis of infectious diseases. 2003 , 9, 766-79	30
1536	Cytotoxic drugs enhance the ex vivo sensitivity of malignant cells from a subset of acute myeloid leukaemia patients to apoptosis induction by tumour necrosis factor receptor-related apoptosis-inducing ligand. 2003 , 121, 713-20	21
1535	Chemical sensitization and regulation of TRAIL-induced apoptosis in a panel of B-lymphocytic leukaemia cell lines. 2003 , 123, 921-32	29
1534	The attractive Achilles heel of germ cell tumours: an inherent sensitivity to apoptosis-inducing stimuli. 2003 , 200, 137-48	64
1533	Viral versus cellular BCL-2 proteins. 2003 , 10 Suppl 1, S68-76	49
1532	Role of ceramide in mediating apoptosis of irradiated LNCaP prostate cancer cells. 2003 , 10, 240-8	25
1531	Potentiation of Fas-mediated apoptosis by attenuated production of mitochondria-derived reactive oxygen species. 2003 , 10, 335-44	70
1530	Many cuts to ruin: a comprehensive update of caspase substrates. 2003 , 10, 76-100	845
1529	Death receptors leave a caspase footprint that Smacs of XIAP. 2003 , 10, 4-6	40
1528	p53 triggers apoptosis in oncogene-expressing fibroblasts by the induction of Noxa and mitochondrial Bax translocation. 2003 , 10, 451-60	94
1527	The CD95(APO-1/Fas) DISC and beyond. 2003 , 10, 26-35	871
1526	Apo2L/TRAIL and its death and decoy receptors. 2003 , 10, 66-75	726
1525	Tumor necrosis factor signaling. 2003 , 10, 45-65	1787

1524	Bfk: a novel weakly proapoptotic member of the Bcl-2 protein family with a BH3 and a BH2 region. 2003 , 10, 185-92	37
1523	c-Myc induces cytochrome c release in Rat1 fibroblasts by increasing outer mitochondrial membrane permeability in a Bid-dependent manner. 2003 , 10, 599-608	28
1522	Antiandrogen-induced cell death in LNCaP human prostate cancer cells. 2003 , 10, 761-71	46
1521	Zinc inhibits Bax and Bak activation and cytochrome c release induced by chemical inducers of apoptosis but not by death-receptor-initiated pathways. 2003 , 10, 652-61	42
1520	Caspase-9 is activated in a cytochrome c-independent manner early during TNFalpha-induced apoptosis in murine cells. 2003 , 10, 1005-15	87
1519	Proapoptotic Bid binds to monolysocardiolipin, a new molecular connection between mitochondrial membranes and cell death. 2003 , 10, 1300-9	118
1518	Apoptosis caused by cathepsins does not require Bid signaling in an in vivo model of progressive myoclonus epilepsy (EPM1). 2003 , 10, 1329-35	55
1517	Costimulatory signals distinctively affect CD20- and B-cell-antigen-receptor-mediated apoptosis in Burkitt's lymphoma/leukemia cells. 2003 , 17, 1164-74	13
1516	Induction of hepatocyte proliferation and death by modulation of T-Antigen expression. 2003 , 22, 2515-30	8
1515	Bfl-1S, a novel alternative splice variant of Bfl-1, localizes in the nucleus via its C-terminus and prevents cell death. 2003 , 22, 2457-65	33
1514	Intracellular mediators of erucylphosphocholine-induced apoptosis. 2003 , 22, 2621-31	56
1513	Interferon-alpha-induced apoptosis in U266 cells is associated with activation of the proapoptotic Bcl-2 family members Bak and Bax. 2003 , 22, 4543-56	67
1512	The proteasome inhibitor PS-341 overcomes TRAIL resistance in Bax and caspase 9-negative or Bcl-xL overexpressing cells. 2003 , 22, 4953-63	168
1511	ARK5 suppresses the cell death induced by nutrient starvation and death receptors via inhibition of caspase 8 activation, but not by chemotherapeutic agents or UV irradiation. 2003 , 22, 6177-82	70
1510	DNA-damaging reagents induce apoptosis through reactive oxygen species-dependent Fas aggregation. 2003 , 22, 8168-77	141
1509	The Bcl-2 family: roles in cell survival and oncogenesis. 2003 , 22, 8590-607	1232
1508	The death effector domain protein family. 2003 , 22, 8634-44	84
1507	A decade of caspases. 2003 , 22, 8543-67	915

1506	Heat-shock proteins as regulators of apoptosis. 2003 , 22, 9041-7	376
1505	Apoptosis of tubular epithelial cells in glycogen nephrosis during diabetes. 2003 , 83, 1069-80	38
1504	Role of mitochondria in apoptosis. 2003 , 88, 85-90	112
1503	Modified apoptotic molecule (BID) reduces hepatitis C virus infection in mice with chimeric human livers. 2003 , 21, 519-25	51
1502	Inherent calcineurin inhibitor FKBP38 targets Bcl-2 to mitochondria and inhibits apoptosis. 2003 , 5, 28-37	236
1501	Apoptosis in the development and maintenance of the immune system. 2003 , 4, 410-5	397
1500	Bax and Bak can localize to the endoplasmic reticulum to initiate apoptosis. 2003 , 162, 59-69	490
1499	Diethylstilbestrol induces rat spermatogenic cell apoptosis in vivo through increased expression of spermatogenic cell Fas/FasL system. 2003 , 278, 6470-81	96
1498	Role of caspases in renal tubular epithelial cell injury. 2003 , 23, 425-31	17
1497	A ginseng saponin metabolite-induced apoptosis in HepG2 cells involves a mitochondria-mediated pathway and its downstream caspase-8 activation and Bid cleavage. 2003 , 194, 221-221	
1496	Molecular requirements for the combined effects of TRAIL and ionising radiation. 2003 , 68, 189-98	23
1495	Mitochondrial localization of superoxide dismutase is required for decreasing radiation-induced cellular damage. 2003 , 160, 568-78	126
1494	Apoptosis in uterine epithelium and decidua in response to implantation: evidence for two different pathways. 2003 , 1, 44	71
1493	Control of apoptosis in the immune system: Bcl-2, BH3-only proteins and more. 2003 , 21, 71-105	307
1492	Fas pathway is a critical mediator of cardiac myocyte death and MI during ischemia-reperfusion in vivo. 2003 , 284, H456-63	163
1491	Role of reactive oxygen species and cardiolipin in the release of cytochrome c from mitochondria. 2003 , 17, 2202-8	324
1490	Caspase activation during Haemophilus somnus lipooligosaccharide-mediated apoptosis of bovine endothelial cells. 2003 , 35, 285-91	21
1489	The combination of calmodulin antagonists and interferon-gamma induces apoptosis through caspase-dependent and -independent pathways in cholangiocarcinoma cells. 2003 , 163, 2053-63	34

1488	FLIP protects cardiomyocytes from apoptosis induced by simulated ischemia/reoxygenation, as demonstrated by short hairpin-induced (shRNA) silencing of FLIP mRNA. 2003 , 35, 1359-64	11
1487	Gene expression in early ischemic renal injury: clues towards pathogenesis, biomarker discovery, and novel therapeutics. 2003 , 80, 365-76	190
1486	Carbon monoxide modulates Fas/Fas ligand, caspases, and Bcl-2 family proteins via the p38alpha mitogen-activated protein kinase pathway during ischemia-reperfusion lung injury. 2003 , 278, 22061-70	132
1485	Intrinsic and extrinsic pathways signaling during HIV-1 mediated cell death. 2003 , 85, 795-811	22
1484	Angiostatin antagonizes the action of VEGF-A in human endothelial cells via two distinct pathways. 2003 , 310, 804-10	52
1483	Constitutive over-expression of the insulin receptor substrate-1 causes functional up-regulation of Fas receptor. 2003 , 38, 803-10	12
1482	Cyclooxygenase (COX) inhibitors induce apoptosis in non-small cell lung cancer through cyclooxygenase independent pathways. 2003 , 40, 33-44	58
1481	Apoptosis triggered redistribution of caspase-9 from cytoplasm to mitochondria. 2003 , 544, 153-9	24
1480	Phosphatidylserine exposure in Fas type I cells is mitochondria-dependent. 2003 , 545, 110-4	18
1479	Conversion of Bfl-1, an anti-apoptotic Bcl-2 family protein, to a potent pro-apoptotic protein by fusion with green fluorescent protein (GFP). 2003 , 551, 29-36	11
1478	Conditional expression of exogenous Bcl-X(S) triggers apoptosis in human melanoma cells in vitro and delays growth of melanoma xenografts. 2003 , 553, 250-6	26
1477	tBid forms a pore in the liposome membrane. 2003 , 555, 545-50	18
1476	A JNK-dependent pathway is required for TNFalpha-induced apoptosis. <i>Cell</i> , 2003 , 115, 61-70	56.2 514
1475	Bcl-2 and tBid proteins counter-regulate mitochondrial potassium transport. 2003 , 1604, 1-5	26
1474	Mechanisms of cytochrome c release by proapoptotic BCL-2 family members. 2003 , 304, 437-44	592
1473	Mitochondrial membrane permeabilisation by Bax/Bak. 2003 , 304, 455-61	164
1472	Caspase 8-mediated cleavage of the pro-apoptotic BCL-2 family member BID in p53-dependent apoptosis. 2003 , 306, 516-22	32
1471	Role of inherited defects decreasing Fas function in autoimmunity. 2003 , 72, 2803-24	40

1470	Mylabris phalerlata induces apoptosis by caspase activation following cytochrome c release and Bid cleavage. 2003 , 73, 2249-62	15
1469	ER stress induces caspase-8 activation, stimulating cytochrome c release and caspase-9 activation. 2003 , 283, 156-66	158
1468	Expression of Smac/DIABLO in ovarian carcinoma cells induces apoptosis via a caspase-9-mediated pathway. 2003 , 286, 186-98	64
1467	Early apoptosis-related changes triggered by HSV-1 in individual neuronlike cells. 2003 , 289, 174-83	21
1466	Apoptotic signaling cascades. 2003 , 27, 199-214	124
1465	Apoptosis and brain ischaemia. 2003 , 27, 267-82	219
1464	In vivo cellular and molecular mechanisms of neuronal apoptosis in the mammalian CNS. 2003 , 69, 287-312	125
1463	The N-myc paradox: N-myc overexpression in neuroblastomas is associated with sensitivity as well as resistance to apoptosis. 2003 , 197, 165-72	32
1462	Caspase-mediated oligodendrocyte cell death in the pathogenesis of autoimmune demyelination. 2003 , 46, 387-97	50
1461	The Bcl-2 protein family: sensors and checkpoints for life-or-death decisions. 2003 , 39, 615-47	572
1460	Inhibition of mitochondrial permeability transition prevents mitochondrial dysfunction, cytochrome c release and apoptosis induced by heart ischemia. 2003 , 35, 357-66	157
1459	Ins and outs of apoptosis in cardiovascular diseases. 2003 , 13, 291-300	8
1458	The CD95 type I/type II model. 2003 , 15, 185-93	349
1457	Ceramide-induced neuronal apoptosis is associated with dephosphorylation of Akt, BAD, FKHR, GSK-3beta, and induction of the mitochondrial-dependent intrinsic caspase pathway. 2003 , 22, 365-82	136
1456	Caspase activation by granzyme B is indirect, and caspase autoprocessing requires the release of proapoptotic mitochondrial factors. 2003 , 18, 319-29	137
1455	A unified model for apical caspase activation. 2003 , 11, 529-41	779
1454	Apo2L/TRAIL: apoptosis signaling, biology, and potential for cancer therapy. 2003 , 14, 337-48	466
1453	Viruses and the TNF-related cytokines, an evolving battle. 2003 , 14, 349-57	63

1452	The evolution of cell death programs as prerequisites of multicellularity. 2003 , 543, 235-49	55
1451	Recent advances in understanding apoptosis: new therapeutic opportunities in cancer chemotherapy. 2003 , 9, 251-5	31
1450	Apoptosis: the complex scenario for a silent cell death. 2003 , 5, 2-14	72
1449	Cytochrome c dissociation and release from mitochondria by truncated Bid and ceramide. 2003 , 2, 237-44	27
1448	Contribution of caspase-8 to apoptosis of axotomized rat retinal ganglion cells in vivo. 2003 , 13, 124-35	48
1447	Proteolytic signaling by TNFalpha: caspase activation and IkappaB degradation. 2003 , 21, 286-94	35
1446	A Bcl-2 transgene expressed in hepatocytes does not protect mice from fulminant liver destruction induced by Fas ligand. 2003 , 22, 62-70	8
1445	Mitochondria play a central role in apoptosis induced by alpha-tocopheryl succinate, an agent with antineoplastic activity: comparison with receptor-mediated pro-apoptotic signaling. 2003 , 42, 4277-91	140
1444	Leber's hereditary optic neuropathy (LHON) pathogenic mutations induce mitochondrial-dependent apoptotic death in transmitochondrial cells incubated with galactose medium. 2003 , 278, 4145-50	139
1443	CD95L/FasL and its receptor CD95 (APO-1/Fas). 2003 , 885-911	9
1442	Essentials of Apoptosis. 2003 ,	3
1441	Recent insights into angiogenesis, apoptosis, invasion, and metastasis in colorectal carcinoma. 2003 , 10, 839-51	34
1440	Role of Apo2L/TRAIL and Bcl-2-family proteins in apoptosis of multiple myeloma. 2003 , 44, 1209-14	28
1439	The role of the Ah receptor and p38 in benzo[a]pyrene-7,8-dihydrodiol and benzo[a]pyrene-7,8-dihydrodiol-9,10-epoxide-induced apoptosis. 2003 , 278, 19526-33	62
1438	Regulation of lymphocyte apoptosis by interferon regulatory factor 4 (IRF-4). <i>Journal of Experimental Medicine</i> , 2003 , 197, 303-14	16.6 24
1437	Nitrosylation of cytochrome c during apoptosis. 2003 , 278, 18265-70	93
1436	Caspase- and serine protease-dependent apoptosis by the death domain of FADD in normal epithelial cells. 2003 , 14, 67-77	31
1435	Macrophage migration inhibitory factor delays apoptosis in neutrophils by inhibiting the mitochondria-dependent death pathway. 2003 , 17, 2221-30	106

1434	Death inducer-obliterator 1 triggers apoptosis after nuclear translocation and caspase upregulation. 2003 , 23, 3216-25	33
1433	Diaryurea compounds inhibit caspase activation by preventing the formation of the active 700-kilodalton apoptosome complex. 2003 , 23, 7829-37	45
1432	The Permeability Transition Pore as Source and Target of Oxidative Stress. 2003 , 393-419	
1431	Apoptosis and the balance of homeostatic and pathologic responses to protozoan infection. 2003 , 71, 6109-15	41
1430	BID-D59A is a potent inducer of apoptosis in primary embryonic fibroblasts. 2003 , 278, 10707-15	64
1429	Protein kinase C modulates tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis by targeting the apical events of death receptor signaling. 2003 , 278, 44338-47	77
1428	Adenoviral Bid overexpression induces caspase-dependent cleavage of truncated Bid and p53-independent apoptosis in human non-small cell lung cancers. 2003 , 278, 25428-34	18
1427	Endogenous association of TRAF2, TRAF3, cIAP1, and Smac with lymphotoxin beta receptor reveals a novel mechanism of apoptosis. 2003 , 278, 14363-9	49
1426	Mitochondrial membrane hyperpolarization hijacks activated T lymphocytes toward the apoptotic-prone phenotype: homeostatic mechanisms of HIV protease inhibitors. 2003 , 170, 6006-15	68
1425	Tumor Suppressor Genes. 2003 ,	
1424	Ways of dying: multiple pathways to apoptosis. 2003 , 17, 2481-95	600
1423	Essential role for caspase 8 in T-cell homeostasis and T-cell-mediated immunity. 2003 , 17, 883-95	359
1422	gamma-Tocopheryl quinone induces apoptosis in cancer cells via caspase-9 activation and cytochrome c release. 2003 , 24, 427-33	37
1421	Execution of macrophage apoptosis by Mycobacterium avium through apoptosis signal-regulating kinase 1/p38 mitogen-activated protein kinase signaling and caspase 8 activation. 2003 , 278, 26517-25	47
1420	Minimal BH3 peptides promote cell death by antagonizing anti-apoptotic proteins. 2003 , 278, 19426-35	69
1419	TGFBeta1-induced suppression of glutathione antioxidant defenses in hepatocytes: caspase-dependent post-translational and caspase-independent transcriptional regulatory mechanisms. 2003 , 17, 1535-7	81
1418	BCL-2 selectively interacts with the BID-induced open conformer of BAK, inhibiting BAK auto-oligomerization. 2003 , 278, 25039-45	117
1417	Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) promotes mitochondrial dysfunction and apoptosis induced by 7-hydroxystaurosporine and mitogen-activated protein kinase kinase inhibitors in human leukemia cells that ectopically express Bcl-2 and Bcl-xL. 2003 , 64, 1402-9	23

1416	Early resistance to cell death and to onset of the mitochondrial permeability transition during hepatocarcinogenesis with 2-acetylaminofluorene. 2003 , 100, 10014-9	53
1415	Cisplatin induces endoplasmic reticulum stress and nucleus-independent apoptotic signaling. 2003 , 278, 9100-6	349
1414	14-3-3 Interacts directly with and negatively regulates pro-apoptotic Bax. 2003 , 278, 2058-65	275
1413	Death receptor-induced activation of initiator caspase 8 is antagonized by serine/threonine kinase PAK4. 2003 , 23, 7838-48	79
1412	Caspase cleavage product of BAP31 induces mitochondrial fission through endoplasmic reticulum calcium signals, enhancing cytochrome c release to the cytosol. 2003 , 160, 1115-27	442
1411	Proapoptotic BID is required for myeloid homeostasis and tumor suppression. 2003 , 17, 229-39	128
1410	Association of Bax and Bak homo-oligomers in mitochondria. Bax requirement for Bak reorganization and cytochrome c release. 2003 , 278, 5367-76	179
1409	Mechanism of activation of caspase cascade during beta-carotene-induced apoptosis in human tumor cells. 2003 , 47, 76-87	68
1408	Interleukin-12 p40- and Fas ligand-dependent apoptotic pathways involving STAT-1 phosphorylation are triggered during infection with a virulent strain of <i>Toxoplasma gondii</i> . 2003 , 71, 2577-83	29
1407	THP-1 cell apoptosis in response to Mycobacterial infection. 2003 , 71, 254-9	167
1406	Inhibition of Bid-induced apoptosis by Bcl-2. tBid insertion, Bax translocation, and Bax/Bak oligomerization suppressed. 2003 , 278, 16992-9	102
1405	Post-translational modification of Bid has differential effects on its susceptibility to cleavage by caspase 8 or caspase 3. 2003 , 278, 15749-57	60
1404	Bile acids stimulate cFLIP phosphorylation enhancing TRAIL-mediated apoptosis. 2003 , 278, 454-61	93
1403	Nonredundant role of Bax and Bak in Bid-mediated apoptosis. 2003 , 23, 4701-12	99
1402	Necrotic cell death in response to oxidant stress involves the activation of the apoptogenic caspase-8/bid pathway. 2003 , 278, 29184-91	107
1401	Apoptotic response of Chang cells to infection with <i>Pseudomonas aeruginosa</i> strains PAK and PAO-I: molecular ordering of the apoptosis signaling cascade and role of type IV pili. 2003 , 71, 2665-73	39
1400	Uncleaved BAP31 in association with A4 protein at the endoplasmic reticulum is an inhibitor of Fas-initiated release of cytochrome c from mitochondria. 2003 , 278, 14461-8	56
1399	Ultraviolet A radiation induces rapid apoptosis of human leukemia cells by Fas ligand-independent activation of the Fas death pathways. 2003 , 78, 61-7	33

1398	Global genechip profiling to identify genes responsive to p53-induced growth arrest and apoptosis in human lung carcinoma cells. 2003 , 2, 406-15	31
1397	Mechanisms of action of phenanthroperylenequinones in photodynamic therapy (Review). 2003 , 22, 1181	
1396	Anti-Fas antibody-induced apoptosis and its signal transduction in human gastric carcinoma cell lines. 2003 , 23, 713	1
1395	Induction of caspase-dependent and -independent apoptosis in response to methionine restriction. 2003 , 22, 415	
1394	Membrane targeted anticancer drugs: potent inducers of apoptosis and putative radiosensitisers. 2003 , 3, 343-53	71
1393	Inhibition of phosphatidylinositol 3-kinase sensitizes vascular endothelial cells to cytokine-initiated cathepsin-dependent apoptosis. 2003 , 278, 21295-306	47
1392	Death ligands and bisindolylmaleimide: a killer combination. 2003 , 2, 271	1
1391	Resistance to apoptosis: mechanism for the development of HIV reservoirs. 2003 , 1, 261-74	23
1390	Death receptor ligands: new strategies for combined treatment with ionizing radiation. 2003 , 3, 334-42	11
1389	Targets in apoptosis signaling: promise of selective anticancer therapy. 2003 , 223, 465-83	7
1388	BH3 domains as BCL-2 inhibitors: prototype cancer therapeutics. 2003 , 3, 293-304	18
1387	The facts of death. 2003 , 22, 327-40	18
1386	Differential susceptibility to 9-nitrocamptothecin (9-NC)-induced apoptosis in clones derived from a human ovarian cancer cell line: possible implications in the treatment of ovarian cancer patients with 9-NC. 2003 , 14, 427-36	6
1385	Viral and cellular determinants of apoptosis induced by mammalian reovirus. 2003 , 22, 477-503	9
1384	Cyclopentenone prostaglandins induce lymphocyte apoptosis by activating the mitochondrial apoptosis pathway independent of external death receptor signaling. 2003 , 171, 5148-56	51
1383	Apoptosis and plastic surgery. 2003 , 111, 1481-96	6
1382	Biochemical and microarray analyses of bupivacaine-induced apoptosis. 2003 , 28, 77-94	41
1381	Enterocyte apoptosis after enterectomy in mice is activated independent of the extrinsic death receptor pathway. 2003 , 285, G404-13	14

1380	Antiapoptotic effect of EGF on mouse hepatocytes associated with downregulation of proapoptotic Bid protein. 2003 , 285, G298-308	25
1379	Advances in Biology and Therapy of Multiple Myeloma. 2003 , 2003, 248-278	52
1378	Granulocyte colony-stimulating factor inhibits spontaneous cytochrome c release and mitochondria-dependent apoptosis of myelodysplastic syndrome hematopoietic progenitors. 2003 , 101, 1080-6	106
1377	Dexamethasone-induced apoptosis of thymocytes: role of glucocorticoid receptor-associated Src kinase and caspase-8 activation. 2003 , 101, 585-93	100
1376	The human herpes virus 8-encoded viral FLICE inhibitory protein protects against growth factor withdrawal-induced apoptosis via NF-kappa B activation. 2003 , 101, 1956-61	73
1375	Induction of tumor necrosis factor by bryostatin 1 is involved in synergistic interactions with paclitaxel in human myeloid leukemia cells. 2003 , 101, 3648-57	21
1374	PECAM-1 functions as a specific and potent inhibitor of mitochondrial-dependent apoptosis. 2003 , 102, 169-79	97
1373	The anti-apoptotic effect of leukotriene D4 involves the prevention of caspase 8 activation and Bid cleavage. <i>Biochemical Journal</i> , 2003 , 371, 115-24	3.8 20
1372	Asbestos-induced pulmonary toxicity: role of DNA damage and apoptosis. 2003 , 228, 650-9	78
1371	Regulation of cell death and cell survival gene expression during ovarian follicular development and atresia. 2003 , 8, d222-37	124
1370	Death receptor activation-induced hepatocyte apoptosis and liver injury. 2003 , 3, 491-508	124
1369	TNF-alpha-induced cell death in ethanol-exposed cells depends on p38 MAPK signaling but is independent of Bid and caspase-8. 2003 , 285, G503-16	46
1368	Molecular mechanisms of irradiation-induced apoptosis. 2003 , 8, d9-19	34
1367	. 2003 ,	7
1366	Parathyroid hormone-related protein ameliorates death receptor-mediated apoptosis in lung cancer cells. 2003 , 285, C1429-36	22
1365	Caspase-independent component of retinal ganglion cell death, in vitro. 2004 , 45, 4049-59	155
1364	Lipid signaling in CD95-mediated apoptosis. 2002 , 36, 285-308	1
1363	Inflammatory modulation of hepatocyte apoptosis by nitric oxide: in vivo, in vitro, and in silico studies. 2004 , 4, 753-62	65

1362	Three novel Bid proteins generated by alternative splicing of the human Bid gene. 2004 , 279, 2846-55	24
1361	Hypothermia inhibits Fas-mediated apoptosis of primary mouse hepatocytes in culture. 2004 , 13, 667-76	35
1360	Cancer and Inflammation. 2004 ,	2
1359	More than one way to die: methods to determine TNF-induced apoptosis and necrosis. 2004 , 98, 101-26	22
1358	Apoptosis IA Brief Review. 2004 , 3, 47-59	34
1357	Tumor necrosis factor-induced nonapoptotic cell death requires receptor-interacting protein-mediated cellular reactive oxygen species accumulation. 2004 , 279, 10822-8	33 ^o
1356	Gonococcal porin IB activates NF-kappaB in human urethral epithelium and increases the expression of host antiapoptotic factors. 2004 , 72, 6408-17	38
1355	Translocation of Bim to the endoplasmic reticulum (ER) mediates ER stress signaling for activation of caspase-12 during ER stress-induced apoptosis. 2004 , 279, 50375-81	141
1354	TNF-alpha-induced apoptosis of macrophages following inhibition of NF-kappa B: a central role for disruption of mitochondria. 2004 , 172, 1907-15	69
1353	The roles of thymidylate synthase and p53 in regulating Fas-mediated apoptosis in response to antimetabolites. 2004 , 10, 3562-71	51
1352	Hypoxia inhibits tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis by blocking Bax translocation. 2004 , 64, 4078-81	60
1351	Requirement for aspartate-cleaved bid in apoptosis signaling by DNA-damaging anti-cancer regimens. 2004 , 279, 28771-80	33
1350	GW112, a novel antiapoptotic protein that promotes tumor growth. 2004 , 64, 2474-81	116
1349	Tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis is inhibited by Bcl-2 but restored by the small molecule Bcl-2 inhibitor, HA 14-1, in human colon cancer cells. 2004 , 10, 8284-92	81
1348	<i>Pseudomonas aeruginosa</i> exotoxin A induces human mast cell apoptosis by a caspase-8 and -3-dependent mechanism. 2004 , 279, 37201-7	59
1347	Adrenomedullin antagonist treatment during early gestation in rats causes fetoplacental growth restriction through apoptosis. 2004 , 71, 1475-83	27
1346	A caspase-8-independent signaling pathway activated by Fas ligation leads to exposure of the Bak N terminus. 2004 , 279, 33865-74	16
1345	Proteolysis of the mismatch repair protein MLH1 by caspase-3 promotes DNA damage-induced apoptosis. 2004 , 279, 27542-8	29

1344	Central role of mitochondria and p53 in Fas-mediated apoptosis of rheumatoid synovial fibroblasts. 2004 , 43, 277-85	37
1343	The domains of apoptosis: a genomics perspective. 2004 , 2004, re9	140
1342	Conformation of membrane-associated proapoptotic tBid. 2004 , 279, 28954-60	47
1341	Induced inhibition of ischemic/hypoxic injury by APIP, a novel Apaf-1-interacting protein. 2004 , 279, 39942-50	46
1340	Induction of apoptosis by X-linked ectodermal dysplasia receptor via a caspase 8-dependent mechanism. 2004 , 279, 41873-81	23
1339	Sustained activation of p38 mitogen-activated protein kinase and c-Jun N-terminal kinase pathways by hepatitis B virus X protein mediates apoptosis via induction of Fas/FasL and tumor necrosis factor (TNF) receptor 1/TNF-alpha expression. 2004 , 24, 10352-65	82
1338	c-Jun NH2-terminal kinase-mediated up-regulation of death receptor 5 contributes to induction of apoptosis by the novel synthetic triterpenoid methyl-2-cyano-3,12-dioxooleana-1,9-dien-28-oate in human lung cancer cells. 2004 , 64, 7570-8	158
1337	Intracellular triggering of Fas aggregation and recruitment of apoptotic molecules into Fas-enriched rafts in selective tumor cell apoptosis. <i>Journal of Experimental Medicine</i> , 2004 , 200, 353-65	16.6 167
1336	Persistent c-FLIP(L) expression is necessary and sufficient to maintain resistance to tumor necrosis factor-related apoptosis-inducing ligand-mediated apoptosis in prostate cancer. 2004 , 64, 7086-91	124
1335	Modulation of TRAIL signaling complex. 2004 , 67, 81-99	11
1334	A death receptor-associated anti-apoptotic protein, BRE, inhibits mitochondrial apoptotic pathway. 2004 , 279, 52106-16	42
1333	CD95-mediated apoptosis is impaired at receptor level by cellular FLICE-inhibitory protein (long form) in wild-type p53 human ovarian carcinoma. 2004 , 10, 5202-14	45
1332	Association of active caspase 8 with the mitochondrial membrane during apoptosis: potential roles in cleaving BAP31 and caspase 3 and mediating mitochondrion-endoplasmic reticulum cross talk in etoposide-induced cell death. 2004 , 24, 6592-607	129
1331	Bcl-2 family members as sentinels of cellular integrity and role of mitochondrial intermembrane space proteins in apoptotic cell death. 2004 , 111, 7-27	87
1330	Granzyme B-induced cell death. 2004 , 111, 28-41	36
1329	Bcl-2 inhibitors sensitize tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis by uncoupling of mitochondrial respiration in human leukemic CEM cells. 2004 , 64, 3607-16	74
1328	Regulation of cell death in the lymphoid system by Bcl-2 family proteins. 2004 , 111, 42-55	9
1327	The myelodysplastic syndromes: a matter of life or death. 2004 , 111, 78-99	29

1326	The mitochondrial death pathway and cardiac myocyte apoptosis. 2004 , 95, 957-70	467
1325	Lovastatin inhibits tumor growth and lung metastasis in mouse mammary carcinoma model: a p53-independent mitochondrial-mediated apoptotic mechanism. 2004 , 25, 1887-98	85
1324	Protection against CD95-induced apoptosis by chlamydial infection at a mitochondrial step. 2004 , 72, 1107-15	53
1323	Regulation of the Fanconi anemia group C protein through proteolytic modification. 2004 , 279, 4713-20	15
1322	Selective disruption of lysosomes in HeLa cells triggers apoptosis mediated by cleavage of Bid by multiple papain-like lysosomal cathepsins. 2004 , 279, 3578-87	365
1321	Sequential caspase-2 and caspase-8 activation upstream of mitochondria during ceramide and etoposide-induced apoptosis. 2004 , 279, 40755-61	98
1320	Elimination of hepatic metastases of colon cancer cells via p53-independent cross-talk between irinotecan and Apo2 ligand/TRAIL. 2004 , 64, 9105-14	65
1319	Baicalein induces apoptosis through ROS-mediated mitochondrial dysfunction pathway in HL-60 cells. 2004 , 14, 627	1
1318	The sequential treatment with ionizing radiation followed by TRAIL/Apo-2L reduces tumor growth and induces apoptosis of breast tumor xenografts in nude mice. 2004 , 24, 1133	6
1317	Induction of apoptosis by bleomycin in p53-null HL-60 leukemia cells. 2004 , 24, 313	2
1316	Bid sensitizes apoptosis induced by chemotherapeutic drugs in hepatocellular carcinoma. 2004 , 25, 651	
1315	Insulin regulates cleavage of procaspase-9 via binding of X chromosome-linked inhibitor of apoptosis protein in HT-29 cells. 2004 , 64, 9070-5	6
1314	Getting back on track, or what to do when apoptosis is de-railed: recoupling oncogenes to the apoptotic machinery. 2004 , 3, 21-8	9
1313	Bcl-2 is a key factor for cardiac fibroblast resistance to programmed cell death. 2004 , 279, 34882-9	64
1312	Translation initiation factor 4E blocks endoplasmic reticulum-mediated apoptosis. 2004 , 279, 21312-7	35
1311	The E2F-1 transcription factor promotes caspase-8 and bid expression, and enhances Fas signaling in T cells. 2004 , 173, 1111-7	23
1310	Desensitization of the permeability transition pore by cyclosporin A prevents activation of the mitochondrial apoptotic pathway and liver damage by tumor necrosis factor- α . 2004 , 279, 36803-8	58
1309	Axonal mitochondrial transport and potential are correlated. 2004 , 117, 2791-804	402

1308	The promyelocytic leukemia zinc finger protein down-regulates apoptosis and expression of the proapoptotic BID protein in lymphocytes. 2004 , 101, 1898-903	31
1307	Translocation of full-length Bid to mitochondria during anoikis. 2004 , 279, 32848-57	83
1306	Tumor necrosis factor alpha-induced apoptosis requires p73 and c-ABL activation downstream of RB degradation. 2004 , 24, 4438-47	60
1305	Caspase-3 is a component of Fas death-inducing signaling complex in lipid rafts and its activity is required for complete caspase-8 activation during Fas-mediated cell death. 2004 , 172, 2316-23	58
1304	Oncogenic Ras sensitizes normal human cells to tumor necrosis factor-alpha-related apoptosis-inducing ligand-induced apoptosis. 2004 , 64, 3922-7	75
1303	IFN-alpha sensitizes human umbilical vein endothelial cells to apoptosis induced by double-stranded RNA. 2004 , 172, 1699-710	51
1302	Proapoptotic N-truncated BCL-xL protein activates endogenous mitochondrial channels in living synaptic terminals. 2004 , 101, 13590-5	90
1301	S-Nitrosation regulates the activation of endogenous procaspase-9 in HT-29 human colon carcinoma cells. 2004 , 279, 9758-64	57
1300	Tumor necrosis factor-related apoptosis-inducing ligand cooperates with anticancer drugs to overcome chemoresistance in antiapoptotic Bcl-2 family members expressing jurkat cells. 2004 , 10, 1463-70	32
1299	Differential signaling to apoptotic and necrotic cell death by Fas-associated death domain protein FADD. 2004 , 279, 7925-33	91
1298	Chlamydia inhibit host cell apoptosis by degradation of proapoptotic BH3-only proteins. <i>Journal of Experimental Medicine</i> , 2004 , 200, 905-16	16.6 163
1297	Caspase cleavage of BimEL triggers a positive feedback amplification of apoptotic signaling. 2004 , 101, 1235-40	73
1296	Ricin triggers apoptotic morphological changes through caspase-3 cleavage of BAT3. 2004 , 279, 19264-75	58
1295	Tumor Necrosis Factor. 2004 ,	1
1294	TRAIL and viral infection. 2004 , 67, 257-74	17
1293	TRAIL and NFkappaB signaling--a complex relationship. 2004 , 67, 101-32	50
1292	In Vitro Neurotoxicology. 2004 ,	3
1291	Bid-cardiolipin interaction at mitochondrial contact site contributes to mitochondrial cristae reorganization and cytochrome C release. 2004 , 15, 3061-72	149

1290	TNF-alpha-mediated lysosomal permeabilization is FAN and caspase 8/Bid dependent. 2004 , 287, G436-43	83
1289	Activation of K ⁺ channels: an essential pathway in programmed cell death. 2004 , 286, L49-67	190
1288	Bax mediates the apoptosis-sensitizing effect of maspin. 2004 , 64, 1703-11	96
1287	Lipid Metabolism and Release of Cytochrome c from Mitochondria. 2004 , 1-17	1
1286	Upstream regulatory role for XIAP in receptor-mediated apoptosis. 2004 , 24, 7003-14	92
1285	Bid activation in kidney cells following ATP depletion in vitro and ischemia in vivo. 2004 , 286, F803-9	36
1284	Programmed cell deaths. Apoptosis and alternative deathstyles. 2004 , 271, 1638-50	222
1283	Proteins of the bcl-2 family in apoptosis signalling: from mechanistic insights to therapeutic opportunities. 2004 , 31, 119-28	125
1282	Characterisation of Mcl-1 cleavage during apoptosis of haematopoietic cells. 2004 , 125, 655-65	67
1281	Mitochondrial mechanisms of neural cell apoptosis. 2004 , 90, 1281-9	270
1280	Testosterone promotes apoptotic damage in human renal tubular cells. 2004 , 65, 1252-61	85
1279	Proximal tubular cytochrome c efflux: determinant, and potential marker, of mitochondrial injury. 2004 , 65, 2123-34	48
1278	Mechanism of Fas-mediated cell death and its enhancement by TNF-alpha in human salivary gland adenocarcinoma cell line HSG. 2004 , 112, 338-46	9
1277	Molecular mechanisms of caspase regulation during apoptosis. 2004 , 5, 897-907	1456
1276	Retinoid-related molecules require caspase 9 for the effective release of Smac and the rapid induction of apoptosis. 2004 , 11, 154-64	19
1275	JNK2 mediates TNF-induced cell death in mouse embryonic fibroblasts via regulation of both caspase and cathepsin protease pathways. 2004 , 11, 301-13	51
1274	Catalytic activity of caspase-3 is required for its degradation: stabilization of the active complex by synthetic inhibitors. 2004 , 11, 439-47	69
1273	Targeting Bcl-xL in esophageal squamous cancer to sensitize to chemotherapy plus TRAIL-induced apoptosis while normal epithelial cells are protected by blockade of caspase 9. 2004 , 11, 583-7	17

1272	Bifunctional killing activity encoded by conserved reaper proteins. 2004 , 11, 704-13	20
1271	Cardiolipin and its metabolites move from mitochondria to other cellular membranes during death receptor-mediated apoptosis. 2004 , 11, 1133-45	121
1270	Enhanced apoptosis following treatment with TRA-8 anti-human DR5 monoclonal antibody and overexpression of exogenous Bax in human glioma cells. 2004 , 11, 658-67	19
1269	Apoptosis signaling triggered by the marine alkaloid ascididemin is routed via caspase-2 and JNK to mitochondria. 2004 , 23, 1586-93	38
1268	Multiple cell death pathways as regulators of tumour initiation and progression. 2004 , 23, 2746-56	263
1267	Apoptosis defects and chemotherapy resistance: molecular interaction maps and networks. 2004 , 23, 2934-49	475
1266	Bcl-xES, a BH4- and BH2-containing antiapoptotic protein, delays Bax oligomer formation and binds Apaf-1, blocking procaspase-9 activation. 2004 , 23, 3915-31	25
1265	Depletion of physiological levels of the human TID1 protein renders cancer cell lines resistant to apoptosis mediated by multiple exogenous stimuli. 2004 , 23, 8419-31	27
1264	Tumor necrosis factor alpha sensitizes malignant cells to chemotherapeutic drugs via the mitochondrial apoptosis pathway independently of caspase-8 and NF-kappaB. 2004 , 23, 6743-59	28
1263	Multidomain Bcl-2 homolog Bax but not Bak mediates synergistic induction of apoptosis by TRAIL and 5-FU through the mitochondrial apoptosis pathway. 2004 , 23, 8320-32	75
1262	Antitumor agent parthenolide reverses resistance of breast cancer cells to tumor necrosis factor-related apoptosis-inducing ligand through sustained activation of c-Jun N-terminal kinase. 2004 , 23, 7330-44	129
1261	The apoptotic pathway triggered by the Fhit protein in lung cancer cell lines is not affected by Bcl-2 or Bcl-x(L) overexpression. 2004 , 23, 9102-10	29
1260	Induction of apoptosis in human prostate cancer cell line, PC3, by 3,3'-diindolylmethane through the mitochondrial pathway. 2004 , 91, 1358-63	71
1259	Liver delivery of NO by NCX-1000 protects against acute liver failure and mitochondrial dysfunction induced by APAP in mice. 2004 , 143, 33-42	29
1258	Mutual amplification of apoptosis by statin-induced mitochondrial stress and doxorubicin toxicity in human rhabdomyosarcoma cells. 2004 , 143, 715-24	56
1257	MGLuR5 activation reduces beta-amyloid-induced cell death in primary neuronal cultures and attenuates translocation of cytochrome c and apoptosis-inducing factor. 2004 , 89, 1528-36	62
1256	A ginseng saponin metabolite-induced apoptosis in HepG2 cells involves a mitochondria-mediated pathway and its downstream caspase-8 activation and Bid cleavage. 2004 , 194, 221-9	65
1255	Plant-derived abrin-a induces apoptosis in cultured leukemic cell lines by different mechanisms. 2004 , 195, 182-93	23

1254	Caspases, IAPs and Smac/DIABLO: mechanisms from structural biology. 2004 , 29, 486-94	182
1253	TNF-related apoptosis-inducing ligand mediates human neuronal apoptosis: links to HIV-1-associated dementia. 2004 , 148, 127-39	49
1252	Human MUC1 carcinoma-associated protein confers resistance to genotoxic anticancer agents. 2004 , 5, 163-75	273
1251	Apoptosis in cancer--implications for therapy. 2004 , 31, 90-119	120
1250	Apoptosis in astrovirus-infected CaCo-2 cells. 2004 , 319, 249-61	36
1249	Mechanisms underlying the manipulation of host apoptotic pathways by <i>Toxoplasma gondii</i> . 2004 , 34, 381-91	66
1248	The Bcl-2 protein family and its role in the development of neoplastic disease. 2004 , 39, 1125-35	47
1247	Glutamate-cysteine ligase attenuates TNF-induced mitochondrial injury and apoptosis. 2004 , 37, 632-42	38
1246	The role of Bcl-2 family members in tumorigenesis. 2004 , 1644, 229-49	382
1245	Bcl-2 family members: integrators of survival and death signals in physiology and pathology [corrected]. 2004 , 1644, 95-105	113
1244	Role of Bcl-2 family members in immunity and disease. 2004 , 1644, 179-88	47
1243	Bcl-2 family regulation of neuronal development and neurodegeneration. 2004 , 1644, 189-203	146
1242	Control of mitochondrial permeability by Bcl-2 family members. 2004 , 1644, 107-13	292
1241	Viral Bcl-2 homologs and their role in virus replication and associated diseases. 2004 , 1644, 211-27	61
1240	The interplay between the Bcl-2 family and death receptor-mediated apoptosis. 2004 , 1644, 125-32	154
1239	Role of the permeability transition pore in cytochrome C release from mitochondria during ischemia-reperfusion in rat liver. 2004 , 68, 2065-73	59
1238	Bcl-2 and Bax proteins are increased in neocortical but not in thalamic apoptosis following devascularizing lesion of the cerebral cortex in the rat: an immunohistochemical study. 2004 , 1006, 133-49	20
1237	Regulation of mitochondrial membrane permeabilization by BCL-2 family proteins and caspases. 2004 , 16, 647-52	218

1236	Heat shock protein 90 suppresses tumor necrosis factor alpha induced apoptosis by preventing the cleavage of Bid in NIH3T3 fibroblasts. 2004 , 16, 313-21	42
1235	Death receptor-induced cell killing. 2004 , 16, 139-44	636
1234	Induction of apoptosis by tumor cell-targeted toxins. 2004 , 9, 19-25	25
1233	2-MeOE2bisMATE induces caspase-dependent apoptosis in CAL51 breast cancer cells and overcomes resistance to TRAIL via cooperative activation of caspases. 2004 , 9, 323-32	18
1232	Differentiation-induced HL-60 cell apoptosis: a mechanism independent of mitochondrial disruption?. 2004 , 9, 345-52	9
1231	Characterization of 4-O-methyl-ascochlorin-induced apoptosis in comparison with typical apoptotic inducers in human leukemia cell lines. 2004 , 9, 429-35	15
1230	Sensitization of T cells to apoptosis--a role for ROS?. 2004 , 9, 515-23	57
1229	The cardiolipin-binding domain of Bid affects mitochondrial respiration and enhances cytochrome c release. 2004 , 9, 533-41	48
1228	Neuronal apoptosis: BH3-only proteins the real killers?. 2004 , 36, 295-8	28
1227	Nitric oxide and promotion of cardiac myocyte apoptosis. 2004 , 263, 35-53	19
1226	Diethyldithiocarbamate can induce two different type of death: apoptosis and necrosis mediating the differential MAP kinase activation and redox regulation in HL60 cells. 2004 , 265, 123-32	12
1225	Apoptosis induction with 5-fluorocytosine/cytosine deaminase gene therapy for human malignant glioma cells mediated by adenovirus. 2004 , 66, 117-27	29
1224	Protein expression of Fas, Fas ligand, Bcl-2 and TGFbeta2 and correlation with survival in initial and recurrent human gliomas. 2004 , 67, 29-39	17
1223	Fas ligand as a tool for immunosuppression and generation of immune tolerance. 2004 , 22, 908-24	43
1222	Apoptosis as a novel target for cancer chemoprevention. 2004 , 96, 662-72	429
1221	Inhibition of the PI3K-Akt signaling pathway enhances the sensitivity of Fas-mediated apoptosis in human gastric carcinoma cell line, MKN-45. 2004 , 130, 8-14	83
1220	Tissue specificity of apoptotic signal transduction. 2004 , 37, 163-9	14
1219	Intracellular signaling in the induction of apoptosis in a human breast cancer cell line by water extract of Mekabu. 2005 , 10, 122-6	11

1218	Membrane lipids and cell death: an overview. 2004 , 129, 133-60	73
1217	Alternative splicing of Bcl-2-related genes: functional consequences and potential therapeutic applications. 2004 , 61, 2189-99	106
1216	Inactivating mutation of the pro-apoptotic gene BID in gastric cancer. 2004 , 202, 439-45	48
1215	Ionizing radiation enhances the therapeutic potential of TRAIL in prostate cancer in vitro and in vivo: Intracellular mechanisms. 2004 , 61, 35-49	100
1214	Xanthurenic acid translocates proapoptotic Bcl-2 family proteins into mitochondria and impairs mitochondrial function. 2004 , 5, 14	10
1213	Erucylphosphocholine-induced apoptosis in glioma cells: involvement of death receptor signalling and caspase activation. 2002 , 82, 1160-70	13
1212	Implication of mitochondrial involvement in apoptotic activity of fragile histidine triad gene: application of synchronous luminescence spectroscopy. 2004 , 73, 510-23	17
1211	Apoptosis via the B cell antigen receptor requires Bax translocation and involves mitochondrial depolarization, cytochrome C release, and caspase-9 activation. 2004 , 34, 1950-60	35
1210	Functional expression of CD134 by neutrophils. 2004 , 34, 2268-75	68
1209	Cdk2 activation acts upstream of the mitochondrion during glucocorticoid induced thymocyte apoptosis. 2004 , 34, 2781-90	21
1208	Role of DNA mismatch repair in apoptotic responses to therapeutic agents. 2004 , 44, 249-64	50
1207	Midkine protects hepatocellular carcinoma cells against TRAIL-mediated apoptosis through down-regulation of caspase-3 activity. 2004 , 100, 2430-6	50
1206	Molecular circuits of apoptosis regulation and cell division control: the survivin paradigm. 2004 , 92, 656-63	120
1205	Daxx deletion mutant (amino acids 501-625)-induced apoptosis occurs through the JNK/p38-Bax-dependent mitochondrial pathway. 2004 , 92, 1257-70	26
1204	Differential control of apoptosis by DJ-1 in prostate benign and cancer cells. 2004 , 92, 1221-33	111
1203	Apoptosis-modulating agents in combination with radiotherapy-current status and outlook. 2004 , 58, 542-54	111
1202	N-nitroso metabolite of carbofuran induces apoptosis in CHL cells by cytochrome c-mediated activation of caspases. 2004 , 201, 51-8	11
1201	Insulin and dexamethasone inhibit TGF-beta-induced apoptosis of hepatoma cells upstream of the caspase activation cascade. 2004 , 204, 141-54	14

1200	Activation of c-Jun N-terminal kinase is required for ultraviolet B-induced apoptosis of murine peritoneal macrophages in vitro. 2004 , 73, 133-40	7
1199	NO means no and yes: regulation of cell signaling by protein nitrosylation. 2004 , 38, 1-7	41
1198	DNA microarray analysis of gene expression in alveolar epithelial cells in response to TNFalpha, LPS, and cyclic stretch. 2004 , 19, 331-42	114
1197	Mitochondria-dependent pathway is involved in heat-induced male germ cell death: lessons from mutant mice. 2004 , 70, 1534-40	82
1196	The protein structures that shape caspase activity, specificity, activation and inhibition. <i>Biochemical Journal</i> , 2004 , 384, 201-32	3.8 665
1195	HPMA copolymer-bound doxorubicin induces apoptosis in human ovarian carcinoma cells by a Fas-independent pathway. 2004 , 1, 174-82	21
1194	Lipidic pore formation by the concerted action of proapoptotic BAX and tBID. 2004 , 279, 30081-91	194
1193	Impaired clearance of virus-infected hepatocytes in transgenic mice expressing the hepatitis C virus polyprotein. 2004 , 126, 859-72	58
1192	TRAIL and chemotherapeutic drugs in cancer therapy. 2004 , 67, 365-83	33
1191	Interferon-gamma and TRAIL in human breast tumor cells. 2004 , 67, 291-318	11
1190	Mitochondrial regulation of apoptotic cell death. 2004 , 149, 19-23	304
1189	Mechanisms of neural cell death: implications for development of neuroprotective treatment strategies. 2004 , 1, 5-16	108
1188	IFN-beta induces caspase-mediated apoptosis by disrupting mitochondria in human advanced stage colon cancer cell lines. 2004 , 24, 231-43	30
1187	Apoptosis: the sculptor of development. 2004 , 13, 473-83	43
1186	Apoptosis Methods and Protocols. 2004 ,	14
1185	"The stress of dying": the role of heat shock proteins in the regulation of apoptosis. 2004 , 117, 2641-51	510
1184	Role of Apoptosis in Neurotoxicology. 2004 , 95-132	
1183	Activation of apoptosis in vivo by a hydrocarbon-stapled BH3 helix. 2004 , 305, 1466-70	1098

1182	Mechanisms of cancer chemoprevention by hop bitter acids (beer aroma) through induction of apoptosis mediated by Fas and caspase cascades. 2004 , 52, 55-64	53
1181	Methods to measure membrane potential and permeability transition in the mitochondria during apoptosis. 2004 , 282, 103-15	31
1180	The GRIMs: a new interface between cell death regulation and interferon/retinoid induced growth suppression. 2004 , 15, 169-94	54
1179	Lactoferrin modifies apoptosis-related gene expression in the colon of the azoxymethane-treated rat. 2004 , 213, 21-9	32
1178	Involvement of proapoptotic Bcl-2 family members in parthenolide-induced mitochondrial dysfunction and apoptosis. 2004 , 211, 175-88	68
1177	Thymidylate synthase inhibition triggers glucose-dependent apoptosis in p53-negative leukemic cells. 2004 , 570, 205-10	6
1176	NF-kappaB in cancer--a friend turned foe. 2004 , 7, 53-67	105
1175	Enhancement of therapeutic potential of TRAIL by cancer chemotherapy and irradiation: mechanisms and clinical implications. 2004 , 7, 139-56	206
1174	Induction of apoptosis by ionizing radiation and CI-1033 in HuCCT-1 cells. 2004 , 319, 114-9	16
1173	Bax increases the pore size of rat brain mitochondrial voltage-dependent anion channel in the presence of tBid. 2004 , 323, 310-4	66
1172	Inhibitors of protein phosphatases 1 and 2A differentially prevent intrinsic and extrinsic apoptosis pathways. 2004 , 323, 1313-20	61
1171	Low extracellular pH augments TRAIL-induced apoptotic death through the mitochondria-mediated caspase signal transduction pathway. 2004 , 293, 129-43	29
1170	Spontaneous apoptosis in murine free-floating neurospheres. 2004 , 294, 9-17	33
1169	Putative tumor suppressor Lats2 induces apoptosis through downregulation of Bcl-2 and Bcl-x(L). 2004 , 298, 329-38	82
1168	HLA-DR signaling inhibits Fas-mediated apoptosis in A375 melanoma cells. 2004 , 299, 79-90	20
1167	Cell cycle regulation of neuronal apoptosis in development and disease. 2004 , 72, 1-25	245
1166	Caspases involved in ER stress-mediated cell death. 2004 , 28, 101-5	175
1165	Caspase activation precedes PTP opening in TNF-alpha-induced apoptosis in L929 cells. 2004 , 3, 261-78	8

1164	Neonatal mice lacking functional Fas death receptors are resistant to hypoxic-ischemic brain injury. 2004 , 17, 89-98	82
1163	Phosphatidylinositol 3-kinase inhibition down-regulates survivin and facilitates TRAIL-mediated apoptosis in neuroblastomas. 2004 , 39, 516-21	64
1162	Akt activation protects rat liver from ischemia/reperfusion injury. 2004 , 121, 159-70	40
1161	Cadmium-induced apoptosis through the mitochondrial pathway in rainbow trout hepatocytes: involvement of oxidative stress. 2004 , 69, 247-58	89
1160	Improved profile of bad phosphorylation and caspase 3 activation after blood versus crystalloid cardioplegia. 2004 , 77, 1384-9; discussion 1389-90	14
1159	Ion channels on intracellular organelles. 2004 , 32, 433-458	0
1158	Membrane-insertion fragments of Bcl-xL, Bax, and Bid. 2004 , 43, 10930-43	115
1157	Apoptotic and autophagic cell death induced by histone deacetylase inhibitors. 2004 , 101, 18030-5	515
1156	Apoptotic signaling in response to a single type of DNA lesion, O(6)-methylguanine. 2004 , 14, 105-16	76
1155	Cell death: critical control points. <i>Cell</i> , 2004 , 116, 205-19	56.2 3911
1154	Regulation of TRAIL-induced apoptosis by ectopic expression of antiapoptotic factors. 2004 , 67, 453-83	59
1153	Galectin-1 induces nuclear translocation of endonuclease G in caspase- and cytochrome c-independent T cell death. 2004 , 11, 1277-86	113
1152	Modulation and function of caspase pathways in B lymphocytes. 2004 , 197, 129-46	13
1151	Fas ligand/Fas system in the brain: regulator of immune and apoptotic responses. 2004 , 44, 65-81	210
1150	Cytochrome C-mediated apoptosis. 2004 , 73, 87-106	1070
1149	Sensitization of Cells to TRAIL-induced Apoptosis by Decoy Receptor 3. 2004 , 279, 44211-44218	11
1148	Upon drug-induced apoptosis expression of prostate-apoptosis-response-gene-4 promotes cleavage of caspase-8, bid and mitochondrial release of cytochrome c. 2004 , 9, 425-31	5
1147	A20 protects endothelial cells from TNF-, Fas-, and NK-mediated cell death by inhibiting caspase 8 activation. 2004 , 104, 2376-84	110

1146	Cross-linking of P-selectin glycoprotein ligand-1 induces death of activated T cells. 2004 , 104, 3233-42		19
1145	Bax-induced cytochrome c release from mitochondria depends on alpha-helices-5 and -6. <i>Biochemical Journal</i> , 2004 , 378, 247-55	3.8	80
1144	Mitochondria in apoptosis: past, present and future. 2004 , 32, 493-5		60
1143	Apoptosis Signaling in Normal and Cancer Cells. 2004 , 497-521		1
1142	Alpha-mangostin induces Ca ²⁺ -ATPase-dependent apoptosis via mitochondrial pathway in PC12 cells. 2004 , 95, 33-40		68
1141	Over-expressed Bcl-2 cannot suppress apoptosis via the mitochondria in buprenorphine hydrochloride-treated NG108-15 cells. 2004 , 27, 1340-7		5
1140	Cell death mode switch from necrosis to apoptosis in brain. 2004 , 27, 950-5		40
1139	Mechanisms of Anticancer Drug Action. 2005 , 31-55		3
1138	Galectin-3 inhibits tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis by activating Akt in human bladder carcinoma cells. 2005 , 65, 7546-53		105
1137	Transcriptional regulation of neuronal genes and its effect on neural functions: expression and function of forkhead transcription factors in neurons. 2005 , 98, 205-11		65
1136	Apoptotic Pathways and Their Regulation. 2005 , 1-29		1
1135	Fas-ligand (CD178) and TRAIL synergistically induce apoptosis of CD40-activated chronic lymphocytic leukemia B cells. 2005 , 105, 3193-8		50
1134	The transcriptional program of terminal granulocytic differentiation. 2005 , 105, 1785-96		216
1133	The natural product honokiol induces caspase-dependent apoptosis in B-cell chronic lymphocytic leukemia (B-CLL) cells. 2005 , 106, 690-7		171
1132	Pro-apoptotic Bid induces membrane perturbation by inserting selected lysolipids into the bilayer. <i>Biochemical Journal</i> , 2005 , 387, 109-18	3.8	41
1131	Mitochondrial involvement in fas-mediated apoptosis of human lumbar disc cells. 2005 , 87, 1338-42		48
1130	Targeting cannabinoid receptors to treat leukemia: role of cross-talk between extrinsic and intrinsic pathways in Delta9-tetrahydrocannabinol (THC)-induced apoptosis of Jurkat cells. 2005 , 29, 915-22		49
1129	B-cell antigen receptor-induced apoptosis: looking for clues. 2005 , 96, 187-94		12

1128	Pathways to caspase activation. 2005 , 29, 489-96	149
1127	Apoptosis: a basic biological phenomenon with wide-ranging implications in human disease. 2005 , 258, 479-517	463
1126	Phytosphingosine induced mitochondria-involved apoptosis. 2005 , 96, 83-92	39
1125	Sensitivity of adult T-cell leukaemia lymphoma cells to tumour necrosis factor-related apoptosis-inducing ligand. 2005 , 128, 253-65	35
1124	Expression of the proapoptotic protein Bid is an adverse prognostic factor for radiotherapy outcome in carcinoma of the cervix. 2005 , 92, 449-58	13
1123	Effects of minocycline on Fas-mediated fulminant hepatitis in mice. 2005 , 144, 275-82	20
1122	The role of BH3-only proteins in the immune system. 2005 , 5, 189-200	508
1121	<i>C. elegans</i> ced-13 can promote apoptosis and is induced in response to DNA damage. 2005 , 12, 153-61	137
1120	Mechanism of mitochondrial stress-induced resistance to apoptosis in mitochondrial DNA-depleted C2C12 myocytes. 2005 , 12, 266-78	54
1119	tBid interaction with cardiolipin primarily orchestrates mitochondrial dysfunctions and subsequently activates Bax and Bak. 2005 , 12, 614-26	133
1118	The adaptor protein TRADD activates distinct mechanisms of apoptosis from the nucleus and the cytoplasm. 2005 , 12, 473-81	46
1117	Role of cardiolipin on tBid and tBid/Bax synergistic effects on yeast mitochondria. 2005 , 12, 659-67	56
1116	Apoptosis of HIV-specific CD8+ T cells: an HIV evasion strategy. 2005 , 12 Suppl 1, 859-70	22
1115	On the TRAIL of a new therapy for leukemia. 2005 , 19, 2195-202	48
1114	Type I and type II reactions in TRAIL-induced apoptosis -- results from dose-response studies. 2005 , 24, 130-40	72
1113	Two distinct Fas-activated signaling pathways revealed by an antitumor drug D609. 2005 , 24, 2954-62	3
1112	Apoptosis of hematopoietic cells induced by growth factor withdrawal is associated with caspase-9 mediated cleavage of Raf-1. 2005 , 24, 1552-62	20
1111	Caspase-8 sumoylation is associated with nuclear localization. 2005 , 24, 3268-73	56

1110	Targeted expression of maspin in tumor vasculatures induces endothelial cell apoptosis. 2005 , 24, 2008-19	50
1109	Arsenic trioxide (As ₂ O ₃) induces apoptosis through activation of Bax in hematopoietic cells. 2005 , 24, 3339-47	53
1108	Opposing effects of bovine papillomavirus type 1 E6 and E7 genes on Fas-mediated apoptosis. 2005 , 24, 3942-53	3
1107	TRAIL sensitizes for ionizing irradiation-induced apoptosis through an entirely Bax-dependent mitochondrial cell death pathway. 2005 , 24, 4052-64	57
1106	HDAC inhibitors enhance the apoptosis-inducing potential of TRAIL in breast carcinoma. 2005 , 24, 4609-23	168
1105	Melatonin mitigates mitochondrial malfunction. 2005 , 38, 1-9	418
1104	Role of Apaf-1, a key regulator of apoptosis, in melanoma progression and chemoresistance. 2005 , 14, 811-8	47
1103	Lysosomal membrane permeabilization during apoptosis--involvement of Bax?. 2005 , 86, 309-21	89
1102	Induction of apoptosis in the lung tissue from rats exposed to cigarette smoke involves p38/JNK MAPK pathway. 2005 , 155, 31-42	65
1101	Multi-probe RPA template sets to study RNA modulation and transcriptional control of BH3-only members of the Bcl-2 family. 2005 , 29, 189-200	2
1100	Induction of apoptosis by luteolin through cleavage of Bcl-2 family in human leukemia HL-60 cells. 2005 , 509, 1-10	68
1099	Regulation of Bcl-2 and Bcl-xL anti-apoptotic protein expression by nuclear receptor PXR in primary cultures of human and rat hepatocytes. 2005 , 1745, 48-58	66
1098	Does CD95 have tumor promoting activities?. 2005 , 1755, 25-36	47
1097	Acetoxycycloheximide (E-73) rapidly induces apoptosis mediated by the release of cytochrome c via activation of c-Jun N-terminal kinase. 2005 , 69, 551-60	11
1096	Involvement of Ras/extracellular signal-regulated kinase, but not Akt pathway in risedronate-induced apoptosis of U937 cells and its suppression by cytochalasin B. 2005 , 69, 1773-84	22
1095	Hibiscus anthocyanins rich extract-induced apoptotic cell death in human promyelocytic leukemia cells. 2005 , 205, 201-12	96
1094	Apoptosis in the mammalian CNS: Lessons from animal models. 2005 , 170, 52-66	18
1093	Patterns of expression of Bax, Bcl-2 and Bcl-x(L) in the implantation site in rat during pregnancy. 2005 , 26, 796-806	14

1092	Irradiation specifically sensitises solid tumour cell lines to TRAIL mediated apoptosis. 2005 , 5, 5	70
1091	Maspin overexpression modulates tumor cell apoptosis through the regulation of Bcl-2 family proteins. 2005 , 5, 50	54
1090	Ethanol potentiates HIV-1 gp120-induced apoptosis in human neurons via both the death receptor and NMDA receptor pathways. 2005 , 334, 59-73	28
1089	Sensitivity to Fas-mediated apoptosis in high-risk HPV-positive human cervical cancer cells: relationship with Fas, caspase-8, and Bid. 2005 , 97, 353-64	38
1088	Antimycin A-induced killing of HL-60 cells: apoptosis initiated from within mitochondria does not necessarily proceed via caspase 9. 2005 , 63, 69-76	21
1087	Hibiscus polyphenol-rich extract induces apoptosis in human gastric carcinoma cells via p53 phosphorylation and p38 MAPK/FasL cascade pathway. 2005 , 43, 86-99	69
1086	A mechanism of hyperthermia-induced apoptosis in ras-transformed lung cells. 2005 , 44, 111-21	30
1085	Apoptosis: mechanisms and relevance in cancer. 2005 , 84, 627-39	246
1084	Gaseous nitrogen oxide repressed benzo[a]pyrene-induced human lung fibroblast cell apoptosis via inhibiting JNK1 signals. 2005 , 79, 694-704	14
1083	Compensatory caspase activation in MPP ⁺ -induced cell death in dopaminergic neurons. 2005 , 62, 227-38	23
1082	Upregulation of alpha globin promotes apoptotic cell death in the hematopoietic cell line FL5.12. 2005 , 10, 1043-62	10
1081	Mitochondria: A novel target for the chemoprevention of cancer. 2005 , 10, 687-705	93
1080	Structure-based design of an agonistic peptide targeting Fas. 2005 , 10, 323-9	5
1079	Reactive oxygen species induce signals that lead to apoptotic DNA degradation in primary CD4 ⁺ T cells. 2005 , 10, 1433-43	6
1078	Sensitization of prostate carcinoma cells to Apo2L/TRAIL by a Bcl-2 family protein inhibitor. 2005 , 10, 1411-8	62
1077	Death to the bad guys: targeting cancer via Apo2L/TRAIL. 2005 , 10, 35-51	105
1076	Two mechanisms of caspase 9 processing in double-stranded RNA- and virus-triggered apoptosis. 2005 , 10, 153-66	23
1075	The signaling and apoptotic effects of TNF-related apoptosis-inducing ligand in HIV-1 associated dementia. 2005 , 8, 135-48	16

1074	BCL-2 antisense and cisplatin combination treatment of MCF-7 breast cancer cells with or without functional p53. 2005 , 12, 999-1011	16
1073	P2X(7) nucleotide receptors mediate caspase-8/9/3-dependent apoptosis in rat primary cortical neurons. 2005 , 1, 337-47	49
1072	Mitochondrial carrier homolog 2: a clue to cracking the BCL-2 family riddle?. 2005 , 37, 113-9	15
1071	Mitochondria and endoplasmic reticulum: the lethal interorganelle cross-talk. 2005 , 37, 191-206	120
1070	The anti-death machinery in IKK/NF-kappaB signaling. 2005 , 25, 541-50	88
1069	Histone deacetylase inhibitors interact synergistically with tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) to induce apoptosis in carcinoma cell lines. 2005 , 23, 99-109	45
1068	mCICR is required for As2O3-induced permeability transition pore opening and cytochrome c release from mitochondria. 2005 , 277, 33-42	9
1067	Bioenergetics and death. 2005 , 70, 240-5	13
1066	Effects of sequential treatments with chemotherapeutic drugs followed by TRAIL on prostate cancer in vitro and in vivo. 2005 , 62, 165-86	107
1065	Mammalian Cell Death Pathways. 2005 , 1-41	1
1064	Caspase function in neuronal death: delineation of the role of caspases in ischemia. 2005 , 4, 51-61	28
1063	Mitochondria, metabolic inhibitors and neurodegeneration. 2005 , 33-43	
1062	Radiation-induced apoptosis is independent of caspase-8 but dependent on cytochrome c and the caspase-9 cascade in human leukemia HL60 cells. 2005 , 46, 293-303	20
1061	Brain chemotherapy from the bench to the clinic: targeting neuronal survival with small molecule inhibitors of apoptosis. 2005 , 10, 552-68	2
1060	Proteases in Traumatic Brain Injury. 2005 , 79-108	4
1059	Adaptor Proteins in Death Receptor Signaling. 2005 , 93-109	
1058	Cytotoxic lymphocytes, apoptosis, and autoimmunity. 2005 , 188-218	
1057	Targets for Apoptotic Intervention in Rheumatoid Arthritis. 2005 , 197-212	

1056 Caspase Activation by the Extrinsic Pathway. **2005**, 111-131

1055 The Intrinsic (Mitochondrial) Death Pathway and New Cancer Therapeutics: Bcl-2 Family in Focus. **2005**, 107-135 1

1054 Death Receptor Mutations. **2005**, 149-162 1

1053 Regulation of Death Receptor-Induced Apoptosis by NF- κ B and Interferon Signaling Pathways. **2005**, 231-261

1052 Activation of the mitochondrial apoptotic pathway in a rat model of central retinal artery occlusion. **2005**, 46, 2133-9 50

1051 Molecular pathways involved in apoptotic cell death in the injured cochlea: cues to novel therapeutic strategies. **2005**, 11, 2257-75 9

1050 Caspase-12 and caspase-4 are not required for caspase-dependent endoplasmic reticulum stress-induced apoptosis. **2005**, 280, 29578-87 131

1049 Structural requirements for signal-induced target binding of FADD determined by functional reconstitution of FADD deficiency. **2005**, 280, 31360-7 19

1048 Bleomycin induces alveolar epithelial cell death through JNK-dependent activation of the mitochondrial death pathway. **2005**, 289, L521-8 56

1047 Mitochondrial carrier homolog 2 is a target of tBID in cells signaled to die by tumor necrosis factor alpha. **2005**, 25, 4579-90 75

1046 Potentiation of the lethality of the histone deacetylase inhibitor LAQ824 by the cyclin-dependent kinase inhibitor roscovitine in human leukemia cells. *Molecular Cancer Therapeutics*, **2005**, 4, 1772-85 6.1 26

1045 Functional role of caspases in heat-induced testicular germ cell apoptosis. **2005**, 72, 516-22 31

1044 Sulindac sulfide-induced apoptosis is enhanced by a small-molecule Bcl-2 inhibitor and by TRAIL in human colon cancer cells overexpressing Bcl-2. *Molecular Cancer Therapeutics*, **2005**, 4, 1475-83 6.1 47

1043 Molecular ordering of the caspase activation cascade initiated by the cytotoxic T lymphocyte/natural killer (CTL/NK) protease granzyme B. **2005**, 280, 4663-73 100

1042 Caspase Regulation at the Molecular Level. **2004**, 1-23

1041 Sensitization of glioma cells to Fas-dependent apoptosis by chemotherapy-induced oxidative stress. **2005**, 65, 5248-55 45

1040 Apoptotic pathways are inhibited by leptin receptor activation in neutrophils. **2005**, 174, 8090-6 152

1039 The multidomain proapoptotic molecules Bax and Bak are directly activated by heat. **2005**, 102, 17975-80 154

1038	Bcl-2 rescues ceramide- and etoposide-induced mitochondrial apoptosis through blockage of caspase-2 activation. 2005 , 280, 23758-65	42
1037	Caspase-10 triggers Bid cleavage and caspase cascade activation in FasL-induced apoptosis. 2005 , 280, 19836-42	81
1036	Identification and characterization of a novel mammalian caspase with proapoptotic activity. 2005 , 280, 35077-80	39
1035	Broad degradation of proapoptotic proteins with the conserved Bcl-2 homology domain 3 during infection with <i>Chlamydia trachomatis</i> . 2005 , 73, 1399-403	57
1034	Tunicamycin enhances tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis in human prostate cancer cells. 2005 , 65, 6364-70	124
1033	Involvement of cathepsin D in chemotherapy-induced cytochrome c release, caspase activation, and cell death. <i>Molecular Cancer Therapeutics</i> , 2005 , 4, 733-42	6.1 84
1032	Cisplatin inactivation of caspases inhibits death ligand-induced cell death in vitro and fulminant liver damage in mice. 2005 , 280, 10509-15	17
1031	Tumor necrosis factor-related apoptosis-inducing ligand alters mitochondrial membrane lipids. 2005 , 65, 8286-97	35
1030	Functional proteomic screen identifies a modulating role for CD44 in death receptor-mediated apoptosis. 2005 , 65, 1887-96	32
1029	Apoptotic events induced by human rhinovirus infection. 2005 , 86, 1379-1389	43
1028	Induction and regulation of Fas-mediated apoptosis in human thyroid epithelial cells. 2005 , 19, 804-11	29
1027	The aryl hydrocarbon receptor predisposes hepatocytes to Fas-mediated apoptosis. 2005 , 67, 612-22	56
1026	Role of CD44 and its v7 isoform in staphylococcal enterotoxin B-induced toxic shock: CD44 deficiency on hepatic mononuclear cells leads to reduced activation-induced apoptosis that results in increased liver damage. 2005 , 73, 50-61	28
1025	PAK4 functions in tumor necrosis factor (TNF) alpha-induced survival pathways by facilitating TRADD binding to the TNF receptor. 2005 , 280, 41192-200	70
1024	TNF-related apoptosis-inducing ligand (TRAIL) as a pro-apoptotic signal transducer with cancer therapeutic potential. 2005 , 11, 933-44	24
1023	Immunodetecting members of the Bcl-2 family of proteins. 2005 , 111, 83-96	2
1022	Enhancement of tumor necrosis factor-alpha-induced growth inhibition by insulin-like growth factor-binding protein-5 (IGFBP-5), but not IGFBP-3 in human breast cancer cells. 2005 , 146, 3113-22	45
1021	Linking of N-Myc to death receptor machinery in neuroblastoma cells. 2005 , 280, 9474-81	32

1020	Specific cleavage of Mcl-1 by caspase-3 in tumor necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced apoptosis in Jurkat leukemia T cells. 2005 , 280, 10491-500	195
1019	Death Signaling and Therapeutic Applications of TRAIL. 2005 , 133-148	
1018	The Fas/FasL Signaling Pathway. 2005 , 129-138	
1017	Overview of cell death signaling pathways. 2005 , 4, 139-63	860
1016	Apoptosis: a mechanism of acute and chronic liver injury. 2005 , 54, 1024-33	356
1015	Cell Engineering. 2005 ,	3
1014	The Role of Apoptosis in Myocardial Infarction and Heart Failure. 2005 , 483-519	1
1013	The small heat shock protein alpha B-crystallin is a novel inhibitor of TRAIL-induced apoptosis that suppresses the activation of caspase-3. 2005 , 280, 11059-66	174
1012	Application of Apoptosis to Cancer Treatment. 2005 ,	
1011	The type III inositol 1,4,5-trisphosphate receptor preferentially transmits apoptotic Ca ²⁺ signals into mitochondria. 2005 , 280, 40892-900	215
1010	Indomethacin-induced activation of the death receptor-mediated apoptosis pathway circumvents acquired doxorubicin resistance in SCLC cells. 2005 , 92, 1459-66	16
1009	Apoptotic Pathways as Targets for Novel Therapies in Cancer and Other Diseases. 2005 ,	5
1008	The anti-apoptotic protein Mcl-1 inhibits mitochondrial Ca ²⁺ signals. 2005 , 280, 33637-44	61
1007	A peptide inhibitor of cytochrome c/inositol 1,4,5-trisphosphate receptor binding blocks intrinsic and extrinsic cell death pathways. 2005 , 102, 1466-71	105
1006	Loss of Bif-1 suppresses Bax/Bak conformational change and mitochondrial apoptosis. 2005 , 25, 9369-82	151
1005	A novel celecoxib derivative potently induces apoptosis of human synovial fibroblasts. 2005 , 314, 796-803	19
1004	Epstein-Barr virus-encoded poly(A)- RNA confers resistance to apoptosis mediated through Fas by blocking the PKR pathway in human epithelial intestine 407 cells. 2005 , 79, 12280-5	57
1003	Essential roles of the Bcl-2 family of proteins in caspase-2-induced apoptosis. 2005 , 280, 38271-5	57

1002	Radiotherapy sensitization by tumor-specific TRAIL gene targeting improves survival of mice bearing human non-small cell lung cancer. 2005 , 11, 6657-68	33
1001	Cytokines induce nitric oxide-mediated mtDNA damage and apoptosis in oligodendrocytes. Protective role of targeting 8-oxoguanine glycosylase to mitochondria. 2005 , 280, 21673-9	55
1000	Reactive oxygen species regulate caspase activation in tumor necrosis factor-related apoptosis-inducing ligand-resistant human colon carcinoma cell lines. 2005 , 65, 7436-45	86
999	Effect of sphingosine on Ca ²⁺ entry and mitochondrial potential of Jurkat T cells--interaction with Bcl2. 2005 , 16, 9-14	17
998	Vesicular stomatitis viruses expressing wild-type or mutant M proteins activate apoptosis through distinct pathways. 2005 , 79, 4170-9	89
997	Bid mediates apoptotic synergy between tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) and DNA damage. 2005 , 280, 12486-93	43
996	Flavivirus activates phosphatidylinositol 3-kinase signaling to block caspase-dependent apoptotic cell death at the early stage of virus infection. 2005 , 79, 8388-99	152
995	TRAIL-induced apoptosis in human vascular endothelium is regulated by phosphatidylinositol 3-kinase/Akt through the short form of cellular FLIP and Bcl-2. 2005 , 42, 337-47	65
994	Protective effect of urate oxidase on uric acid induced-monocyte apoptosis. 2005 , 2, 29-36	18
993	Activation of the caspase-8/Bid and Bax pathways in aspirin-induced apoptosis in gastric cancer. 2005 , 26, 541-6	86
992	The cathepsin B death pathway contributes to TNF plus IFN-gamma-mediated human endothelial injury. 2005 , 175, 1858-66	58
991	Humanin binds and nullifies Bid activity by blocking its activation of Bax and Bak. 2005 , 280, 15815-24	112
990	Hsp72 inhibits Fas-mediated apoptosis upstream of the mitochondria in type II cells. 2005 , 280, 9005-12	39
989	Conformational changes in BID, a pro-apoptotic BCL-2 family member, upon membrane binding. A site-directed spin labeling study. 2005 , 280, 753-67	72
988	Enhancing TRAIL-induced apoptosis by Bcl-X(L) siRNA. 2005 , 4, 393-7	46
987	Involvement of NF- κ B and mitochondrial pathways in docetaxel-induced apoptosis of human oral squamous cell carcinoma. 2005 , 15, 667	1
986	Effect of SCCA1 and SCCA2 on the suppression of TNF-alpha-induced cell death by impeding the release of mitochondrial cytochrome c in an oral squamous cell carcinoma cell line. 2005 , 26, 165-72	21
985	GSK-3 β reactivation with LY294002 sensitizes hepatoma cells to chemotherapy-induced apoptosis. 2005 , 27, 215	2

984	Silencing Bcl-X(L) in cancer therapy. 2005 , 4, 398-9	4
983	An optimized conditional suicide switch using doxycycline-dependent expression of human tBid. 2005 , 4, 532-6	6
982	An introduction to death receptors in apoptosis. 2005 , 3, 268-77	51
981	Caspase-9 plays a marginal role in serum starvation-induced apoptosis. 2005 , 302, 115-28	35
980	Inhibition of CaMKII-mediated c-FLIP expression sensitizes malignant melanoma cells to TRAIL-induced apoptosis. 2005 , 304, 244-55	48
979	The novel tumor suppressor p33ING2 enhances UVB-induced apoptosis in human melanoma cells. 2005 , 304, 531-43	31
978	Beclin 1 augmented cis-diamminedichloroplatinum induced apoptosis via enhancing caspase-9 activity. 2005 , 307, 26-40	85
977	The role of apoptosis in the development and function of T lymphocytes. 2005 , 15, 749-69	101
976	Sulforaphane-induced cell death in human prostate cancer cells is initiated by reactive oxygen species. 2005 , 280, 19911-24	290
975	Targeting the Fas/Fas ligand pathway in cancer. 2005 , 9, 1031-44	34
974	Cyclophilin D is a component of mitochondrial permeability transition and mediates neuronal cell death after focal cerebral ischemia. 2005 , 102, 12005-10	671
973	The Use of Proteomics to Identify and Characterize Cell Death Proteins. 2005 , 403-434	
972	25 Years of p53 Research. 2005 ,	12
971	Development and Evaluation of Cancer Therapeutic Agents Targeting TRAIL Receptor 1 and 2. 2005 , 659-676	4
970	Differential targeting of prosurvival Bcl-2 proteins by their BH3-only ligands allows complementary apoptotic function. 2005 , 17, 393-403	1492
969	Salvianic acid A protects human neuroblastoma SH-SY5Y cells against MPP ⁺ -induced cytotoxicity. 2005 , 51, 129-38	83
968	Granzyme A induces caspase-independent mitochondrial damage, a required first step for apoptosis. 2005 , 22, 355-70	257
967	Involvement of death receptor signaling in mechanical stretch-induced cardiomyocyte apoptosis. 2005 , 77, 160-74	26

966	Cinnamaldehyde-induced apoptosis in human PLC/PRF/5 cells through activation of the proapoptotic Bcl-2 family proteins and MAPK pathway. 2005 , 77, 938-51		55
965	Transcriptional changes during neuronal death and replacement in the olfactory epithelium. 2005 , 30, 90-107		40
964	Calcium-mediated apoptosis plays a central role in the pathogenesis of estrogenic chemical-induced neurotoxicity. 2005 , 65, 893-904		20
963	Flavonoids purified from <i>Rhus verniciflua</i> Stokes actively inhibit cell growth and induce apoptosis in human osteosarcoma cells. 2005 , 1726, 309-16		97
962	The interaction between tBid and cardiolipin or monolysocardiolipin. 2005 , 330, 865-70		28
961	Mechanism of Siglec-8-induced human eosinophil apoptosis: role of caspases and mitochondrial injury. 2005 , 336, 918-24		84
960	Reactive oxygen species promote TNF α -induced death and sustained JNK activation by inhibiting MAP kinase phosphatases. <i>Cell</i> , 2005 , 120, 649-61	56.2	1506
959	Imbalance of the mitochondrial pro- and anti-apoptotic mediators in neuroblastoma tumours with unfavourable biology. 2005 , 41, 635-46		28
958	Involvement of both intrinsic and extrinsic pathways in IFN- γ -induced apoptosis that are enhanced with cisplatin. 2005 , 41, 1474-86		32
957	Human gastric signet ring carcinoma (KATO-III) cell apoptosis induced by <i>Vitex agnus-castus</i> fruit extract through intracellular oxidative stress. 2005 , 37, 1496-510		29
956	Retinoic acid determines life span of leukemic cells by inducing antagonistic apoptosis-regulatory programs. 2005 , 37, 1696-708		20
955	Induction of apoptosis in human leukemia cells by MCS-C2 via caspase-dependent Bid cleavage and cytochrome c release. 2005 , 223, 239-47		8
954	A tetracycline-regulated adenovirus encoding dominant-negative caspase-9 is regulated in rat brain and protects against neurotoxin-induced cell death in vitro, but not in vivo. 2005 , 191 Suppl 1, S80-94		17
953	Expression of pro-apoptotic Bcl isoforms reduces during malignant transformation in the human gastrointestinal tract. 2005 , 579, 3646-50		14
952	ZD1839 (Gefitinib, 'Iressa'), an epidermal growth factor receptor-tyrosine kinase inhibitor, enhances the anti-cancer effects of TRAIL in human esophageal squamous cell carcinoma. 2005 , 579, 4069-75		51
951	Early activation of the mitochondrial apoptotic pathway in Vesicular Stomatitis virus-infected cells. 2005 , 109, 65-9		26
950	Apoptosis of ventricular myocytes: a means to an end. 2005 , 38, 3-13		102
949	Ischemia/reperfusion injury at the intersection with cell death. 2005 , 38, 21-33		89

948	Mitochondria as functional targets of proteins coded by human tumor viruses. 2005 , 94, 87-142	46
947	Apoptotic pathways and therapy resistance in human malignancies. 2005 , 94, 143-96	73
946	Molecular mechanism of apoptosis induced by mechanical forces. 2005 , 245, 45-90	65
945	Pancreatic cancer: basic and clinical aspects. 2005 , 128, 1606-25	246
944	Bid is upstream of lysosome-mediated caspase 2 activation in tumor necrosis factor alpha-induced hepatocyte apoptosis. 2005 , 129, 269-84	69
943	Dying a thousand deaths: redundant pathways from different organelles to apoptosis and necrosis. 2005 , 129, 351-60	112
942	Mechanisms of apoptosis through structural biology. <i>Annual Review of Cell and Developmental Biology</i> , 2005 , 21, 35-56	12.6 152
941	COX-2 inhibitor, NS398, enhances Fas-mediated apoptosis via modulation of the PTEN-Akt pathway in human gastric carcinoma cell lines. 2005 , 24, 141-7	24
940	Survivin: a protein with dual roles in mitosis and apoptosis. 2005 , 247, 35-88	134
939	Death Receptors in Cancer Therapy. 2005 ,	3
938	Spatial and Temporal Changes in Bid and Bax Subcellular Localization During Cisplatin-Induced Apoptosis. 2006 ,	
937	Overexpression of HAX-1 protects cardiac myocytes from apoptosis through caspase-9 inhibition. 2006 , 99, 415-23	110
936	Maintenance of Bad phosphorylation prevents apoptosis of rat hepatic sinusoidal endothelial cells in vitro and in vivo. 2006 , 168, 1097-106	29
935	Increased cytotoxicity of ionizing radiation in combination with membrane-targeted apoptosis modulators involves downregulation of protein kinase B/Akt-mediated survival-signaling. 2006 , 80, 199-206	27
934	Intracellular signals and events activated by cytokines of the tumor necrosis factor superfamily: From simple paradigms to complex mechanisms. 2006 , 252, 129-61	70
933	TNF-receptor I defective in internalization allows for cell death through activation of neutral sphingomyelinase. 2006 , 312, 2142-53	34
932	Sustained phosphorylation of Bid is a marker for resistance to Fas-induced apoptosis during chronic liver diseases. 2006 , 130, 104-19	27
931	Bistability in apoptosis: roles of bax, bcl-2, and mitochondrial permeability transition pores. 2006 , 90, 1546-59	239

930	Role of apoptosis in the pathogenesis of COPD and pulmonary emphysema. 2006 , 7, 53	339
929	"How do cardiomyocytes die?" apoptosis and autophagic cell death in cardiac myocytes. 2006 , 12, 381-91	62
928	Pyrrolidine dithiocarbamate inhibition of luteolin-induced apoptosis through up-regulated phosphorylation of Akt and caspase-9 in human leukemia HL-60 cells. 2006 , 54, 4215-21	9
927	Endogenous reactive intermediates as modulators of cell signaling and cell death. 2006 , 19, 173-94	236
926	Synthesis, Cytotoxicity, and DNA-Binding Levels of Ammine/Cyclohexylamine Platinum(II) Complexes with Dicarboxylates. 2006 , 36, 345-351	5
925	The regulation of Bax by c-Jun N-terminal protein kinase (JNK) is a prerequisite to the mitochondrial-induced apoptotic pathway. 2006 , 580, 1320-6	73
924	The E3 ubiquitin ligase itch couples JNK activation to TNFalpha-induced cell death by inducing c-FLIP(L) turnover. <i>Cell</i> , 2006 , 124, 601-13	56.2 616
923	Bid, a BH3-only multi-functional molecule, is at the cross road of life and death. 2006 , 369, 7-19	152
922	MAPK regulation and caspase activation are required in DMNQ S-52 induced apoptosis in Lewis lung carcinoma cells. 2006 , 233, 57-67	6
921	Time-dependent onset of Interferon-alpha2b-induced apoptosis in isolated hepatocytes from preneoplastic rat livers. 2006 , 36, 245-53	3
920	Involvement of apoptosis and cholinergic dysfunction in Alzheimer's disease. 2006 , 6, S57-S63	1
919	DMNQ S-53 induces apoptosis and inhibits the growth of Lewis lung carcinoma cells in vitro and in vivo. 2006 , 1, 73-79	1
918	Methanolic extract of <i>Pterocarpus santalinus</i> induces apoptosis in HeLa cells. 2006 , 105, 229-34	42
917	Intracellular replication of <i>Edwardsiella tarda</i> in murine macrophage is dependent on the type III secretion system and induces an up-regulation of anti-apoptotic NF-kappaB target genes protecting the macrophage from staurosporine-induced apoptosis. 2006 , 41, 226-40	59
916	Caspase-9 holoenzyme is a specific and optimal procaspase-3 processing machine. 2006 , 22, 259-68	68
915	Divergence from a dedicated cellular suicide mechanism: exploring the evolution of cell death. 2006 , 23, 1-12	62
914	A stapled BID BH3 helix directly binds and activates BAX. 2006 , 24, 199-210	319
913	Intermittent high altitude hypoxia inhibits opening of mitochondrial permeability transition pores against reperfusion injury. 2006 , 40, 96-106	62

912	An efficient method to express and refold a truncated human procaspase-9: a caspase with activity toward Glu-X bonds. 2006 , 46, 299-308	6
911	The paradoxical pro- and anti-apoptotic actions of GSK3 in the intrinsic and extrinsic apoptosis signaling pathways. 2006 , 79, 173-89	44 ^o
910	Retinal ganglion cells: dying to survive. 2006 , 50, 665-74	27
909	mHFE7A, a newly identified monoclonal antibody to Fas, induces apoptosis in human melanoma cells in vitro and delays the growth of melanoma xenotransplants. 2006 , 15, 409	1
908	Mechanisms of doxycycline-induced cytotoxicity on human bronchial epithelial cells. 2006 , 11, 3036-48	16
907	Role of Mitochondrial Proteins in Apoptosis. 185-221	
906	Indole-3-acetic acid/horseradish peroxidase-induced apoptosis involves cell surface CD95 (Fas/APO-1) expression. 2006 , 29, 1625-9	10
905	Dihydroflavonol BB-1, an extract of natural plant <i>Blumea balsamifera</i> , abrogates TRAIL resistance in leukemia cells. 2006 , 107, 679-88	61
904	HTLV-1 Tax protects against CD95-mediated apoptosis by induction of the cellular FLICE-inhibitory protein (c-FLIP). 2006 , 107, 3933-9	72
903	Interleukin-21 receptor (IL-21R) is up-regulated by CD40 triggering and mediates proapoptotic signals in chronic lymphocytic leukemia B cells. 2006 , 107, 3708-15	89
902	CD154 induces p73 to overcome the resistance to apoptosis of chronic lymphocytic leukemia cells lacking functional p53. 2006 , 108, 3450-7	43
901	Bax, Bak and Bid: Key Mediators of Apoptosis. 346-378	
900	Multicolor fluorescence-based approaches for imaging cytokine-induced alterations in the neovascularization, growth, metastasis, and apoptosis of murine neuroblastoma tumors. 2006 , 29, 151-64	7
899	Therapeutic targeting of apoptotic pathways in cancer. 2006 , 7, 1361-9	36
898	Dynamic imaging of interaction between protein 14-3-3 and Bid in living cells. 2006 , 6087, 117	
897	Programmed Cell Death. 2006 ,	
896	Quantitative proteome analysis of CD95 (Fas/Apo-1)-induced apoptosis by stable isotope labeling with amino acids in cell culture, 2-DE and MALDI-MS. 2006 , 6, 614-22	30
895	Role of Bid-induced mitochondrial outer membrane permeabilization in granzyme B-induced apoptosis. 2006 , 84, 72-8	37

894	TRAIL triggers apoptosis in human malignant glioma cells through extrinsic and intrinsic pathways. 2003 , 13, 539-53	62
893	Generation of constitutively active calcineurin by calpain contributes to delayed neuronal death following mouse brain ischemia. 2006 , 98, 310-20	68
892	Cutaneous melanoma: available therapy for metastatic disease. 2006 , 19, 19-25	106
891	The role of the pro-apoptotic Bcl-2 family member bim in physiological cell death. 2000 , 926, 83-9	24
890	Human soluble TRAIL/Apo2L induces apoptosis in a subpopulation of chemotherapy refractory nodal diffuse large B-cell lymphomas, determined by a highly sensitive in vitro apoptosis assay. 2006 , 134, 283-93	14
889	Role of phosphatidylinositol-3 kinase/Akt pathway in bladder cancer cell apoptosis induced by tumor necrosis factor-related apoptosis-inducing ligand. 2006 , 97, 1093-8	38
888	The initiator caspase, caspase-10beta, and the BH-3-only molecule, Bid, demonstrate evolutionary conservation in <i>Xenopus</i> of their pro-apoptotic activities in the extrinsic and intrinsic pathways. 2006 , 11, 701-17	12
887	Hierarchical regulation of mitochondrion-dependent apoptosis by BCL-2 subfamilies. 2006 , 8, 1348-58	686
886	<i>Phellinus linteus</i> sensitises apoptosis induced by doxorubicin in prostate cancer. 2006 , 95, 282-8	46
885	Cyclin-dependent kinase-5 prevents neuronal apoptosis through ERK-mediated upregulation of Bcl-2. 2006 , 13, 1203-12	78
884	The TRAF3-binding site of human molluscipox virus FLIP molecule MC159 is critical for its capacity to inhibit Fas-induced apoptosis. 2006 , 13, 1577-85	30
883	The mitogen-activated protein kinase pathway can inhibit TRAIL-induced apoptosis by prohibiting association of truncated Bid with mitochondria. 2006 , 13, 1857-65	16
882	Mechanisms of apoptosis regulation by viral oncogenes in infection and tumorigenesis. 2006 , 13, 1371-7	65
881	Mechanisms of cytochrome c release from mitochondria. 2006 , 13, 1423-33	770
880	Emerging role of Mcl-1 in actively counteracting BH3-only proteins in apoptosis. 2006 , 13, 1263-7	20
879	Mitochondrial outer membrane permeabilization during apoptosis: the innocent bystander scenario. 2006 , 13, 1396-402	412
878	BCL2 family in DNA damage and cell cycle control. 2006 , 13, 1351-9	377
877	BCL-2 in the crosshairs: tipping the balance of life and death. 2006 , 13, 1339-50	199

876	BH3-only proteins: orchestrating cell death. 2006 , 13, 1268-71	18
875	Laying the foundations of programmed cell death. 2006 , 13, 1245-7	6
874	UVA/B-induced apoptosis in human melanocytes involves translocation of cathepsins and Bcl-2 family members. 2006 , 126, 1119-27	68
873	Unique and overlapping substrate specificities of caspase-8 and caspase-10. 2006 , 25, 152-9	80
872	Co-resistance to retinoic acid and TRAIL by insertion mutagenesis into RAM. 2006 , 25, 3735-44	36
871	Mitochondrial factors with dual roles in death and survival. 2006 , 25, 4697-705	61
870	Enhanced radiosensitization of p53 mutant cells by oleamide. 2006 , 64, 1466-74	12
869	Ordering of ceramide formation and caspase-9 activation in CD95L-induced Jurkat leukemia T cell apoptosis. 2012 , 1821, 684-93	11
868	Lysosomes and lysosomal cathepsins in cell death. 2012 , 1824, 22-33	275
867	Inhibitory effect and mechanism on antiproliferation of khellactone derivatives from herbal suitable for medical or food uses. 2012 , 50, 648-52	8
866	Mitofusin 1 inhibits an apoptosis-associated amino-terminal conformational change in Bax, but not its mitochondrial translocation, in a GTPase-dependent manner. 2012 , 323, 62-68	9
865	Mitochondrial thiols in antioxidant protection and redox signaling: distinct roles for glutathionylation and other thiol modifications. 2012 , 16, 476-95	238
864	Investigation of the apoptotic way induced by digallic acid in human lymphoblastoid TK6 cells. 2012 , 12, 26	12
863	Mitochondria and cell signalling. 2012 , 125, 807-15	264
862	Mitochondrial control of cellular life, stress, and death. 2012 , 111, 1198-207	351
861	Anthocyanins: Janus Nutraceuticals Displaying Chemotherapeutic and Neuroprotective Properties. 2012 , 491-513	
860	Overexpression of ubiquitous mitochondrial creatine kinase (uMtCK) accelerates tumor growth by inhibiting apoptosis of breast cancer cells and is associated with a poor prognosis in breast cancer patients. 2012 , 427, 60-6	19
859	Mechanism investigation of dioscin against CCl4-induced acute liver damage in mice. 2012 , 34, 127-135	78

858	Computational study of the mechanism of Bcl-2 apoptotic switch. 2012 , 391, 6212-6225		6
857	Antiproliferative effect of E-mangostin on canine osteosarcoma cells. 2012 , 93, 788-94		27
856	The mitochondrial pathways of apoptosis. 2012 , 942, 157-83		348
855	Bid protects the mouse hematopoietic system following hydroxyurea-induced replicative stress. 2012 , 19, 1602-12		7
854	Molecular definitions of cell death subroutines: recommendations of the Nomenclature Committee on Cell Death 2012. 2012 , 19, 107-20		1843
853	Effects of PEG-liposomal oxaliplatin on apoptosis, and expression of Cyclin A and Cyclin D1 in colorectal cancer cells. 2012 , 28, 1006-12		12
852	N-terminally cleaved Bcl-xL mediates ischemia-induced neuronal death. 2012 , 15, 574-80		60
851	Advances in Mitochondrial Medicine. 2012 ,		10
850	Ricin and Shiga Toxins. 2012 ,		
849	Interaction of OKL38 and p53 in regulating mitochondrial structure and function. 2012 , 7, e43362		27
848	Enantioselective cytotoxicity profile of o,p'-DDT in PC 12 cells. 2012 , 7, e43823		22
847	Molecular Mechanism and Potential Targets for Blocking HPV-Induced Lesion Development. <i>Journal of Oncology</i> , 2012 , 2012, 278312	4.5	16
846	FG020326 sensitized multidrug resistant cancer cells to docetaxel-mediated apoptosis via enhancement of caspases activation. <i>Molecules</i> , 2012 , 17, 5442-58	4.8	3
845	Post-Myocardial Infarction Depression. 2012 ,		1
844	Cell Death and Cancer, Novel Therapeutic Strategies. 2012 ,		6
843	BCL2L15 (BCL2-like 15). 2012 ,		
842	Daphnoretin induces cell cycle arrest and apoptosis in human osteosarcoma (HOS) cells. <i>Molecules</i> , 2012 , 17, 598-612	4.8	21
841	Free radical oxidation of cardiolipin: chemical mechanisms, detection and implication in apoptosis, mitochondrial dysfunction and human diseases. 2012 , 46, 959-74		87

840	Endoplasmic reticulum-specific BH3-only protein BNIP1 induces mitochondrial fragmentation in a Bcl-2- and Drp1-dependent manner. 2012 , 227, 3027-35	19
839	New frontiers in promoting tumour cell death: targeting apoptosis, necroptosis and autophagy. 2012 , 31, 5045-60	150
838	BH3-only proteins are tail-anchored in the outer mitochondrial membrane and can initiate the activation of Bax. 2012 , 19, 1328-36	50
837	Apigenin induces apoptosis via extrinsic pathway, inducing p53 and inhibiting STAT3 and NF- κ B signaling in HER2-overexpressing breast cancer cells. 2012 , 366, 319-34	71
836	The effect of isolancifolide on the apoptosis in HL-60 cells through caspase-8-dependent and -independent pathways. 2012 , 35, 137-43	4
835	Glucans from the edible mushroom <i>Pleurotus pulmonarius</i> inhibit colitis-associated colon carcinogenesis in mice. 2012 , 47, 504-18	39
834	Carnosic acid modulates Akt/IKK/NF- κ B signaling by PP2A and induces intrinsic and extrinsic pathway mediated apoptosis in human prostate carcinoma PC-3 cells. 2012 , 17, 735-47	97
833	Systemic FasL neutralization increases eosinophilic inflammation in a mouse model of asthma. 2012 , 67, 328-35	13
832	Coprisin-induced antifungal effects in <i>Candida albicans</i> correlate with apoptotic mechanisms. 2012 , 52, 2302-11	44
831	Cytochrome c and insect cell apoptosis. 2012 , 19, 30-40	14
830	Intestinal metabolite compound K of panaxoside inhibits the growth of gastric carcinoma by augmenting apoptosis via Bid-mediated mitochondrial pathway. 2012 , 16, 96-106	50
829	Control mechanisms of mitochondrial Ca(2+) uptake - feed-forward modulation of aldosterone secretion. 2012 , 353, 101-8	7
828	Effect of nonylphenol on male reproduction: analysis of rat epididymal biochemical markers and antioxidant defense enzymes. 2012 , 261, 134-41	75
827	Survivin knockdown increased anti-cancer effects of (-)-epigallocatechin-3-gallate in human malignant neuroblastoma SK-N-BE2 and SH-SY5Y cells. 2012 , 318, 1597-610	22
826	Suppressive effect of recombinant human thioredoxin on ultraviolet light-induced inflammation and apoptosis in murine skin. 2012 , 39, 843-51	21
825	Hetastarch reduces neuronal cell death caused by oxidative stress. 2012 , 73, 35-42	
824	Itch/AIP4-independent proteasomal degradation of cFLIP induced by the histone deacetylase inhibitor SAHA sensitizes breast tumour cells to TRAIL. 2012 , 30, 541-7	17
823	Effects of phospholipids on the functional regulation of tBID in membranes. 2012 , 363, 395-408	7

822	5-Phenylselenyl- and 5-methylselenyl-methyl-2'-deoxyuridine induce oxidative stress, DNA damage, and caspase-2-dependent apoptosis in cancer cells. 2012 , 17, 200-16	26
821	Hepatocellular apoptosis in mice is associated with early upregulation of mitochondrial glucose metabolism. 2012 , 17, 143-53	5
820	Cytotoxicity of dioscin in human gastric carcinoma cells through death receptor and mitochondrial pathways. 2013 , 33, 712-22	52
819	Bcl-3 regulates UVB-induced apoptosis. 2013 , 26, 47-55	7
818	An insight into the hepatocellular death induced by amphetamines, individually and in combination: the involvement of necrosis and apoptosis. 2013 , 87, 2165-85	46
817	MicroRNA-210 targets antiapoptotic Bcl-2 expression and mediates hypoxia-induced apoptosis of neuroblastoma cells. 2013 , 87, 459-68	97
816	Systems Biology of Apoptosis. 2013 ,	2
815	Anti-cancer effects of dioscin on three kinds of human lung cancer cell lines through inducing DNA damage and activating mitochondrial signal pathway. 2013 , 59, 118-28	69
814	Molecular Mechanisms of Tumor Cell Resistance to Chemotherapy. 2013 ,	5
813	Structural determinants of DISC function: new insights into death receptor-mediated apoptosis signalling. 2013 , 140, 186-99	79
812	Synergistic apoptotic effect of crocin and cisplatin on osteosarcoma cells via caspase induced apoptosis. 2013 , 221, 197-204	35
811	Ethanol-induced apoptosis in human liver adenocarcinoma cells (SK-Hep1): Fas- and mitochondria-mediated pathways and interaction with MAPK signaling system. 2013 , 27, 1820-9	15
810	Viral Entry into Host Cells. 2013 ,	12
809	RNA and Cancer. 2013 ,	3
808	Reovirus receptors, cell entry, and proapoptotic signaling. 2013 , 790, 42-71	47
807	Dioscin, a natural steroid saponin, induces apoptosis and DNA damage through reactive oxygen species: a potential new drug for treatment of glioblastoma multiforme. 2013 , 59, 657-69	84
806	Sphingolipids in Disease. 2013 ,	6
805	Lysosomal and mitochondrial permeabilization mediates zinc(II) cationic phthalocyanine phototoxicity. 2013 , 45, 2553-62	30

804	Multi-parametric analysis of cell death pathways using live-cell microscopy. 2013 , 58, Unit 4.40.	4
803	Trehalose prevents neural tube defects by correcting maternal diabetes-suppressed autophagy and neurogenesis. 2013 , 305, E667-78	64
802	Stress-Induced Mutagenesis. 2013 ,	3
801	BID preferentially activates BAK while BIM preferentially activates BAX, affecting chemotherapy response. 2013 , 51, 751-65	165
800	Keratin 18 and heat-shock protein in chronic kidney disease. 2013 , 62, 123-49	18
799	Structural insights of tBid, the caspase-8-activated Bid, and its BH3 domain. 2013 , 288, 35840-51	52
798	Significant role of Ecalpain (CANP1) in proliferation/survival of bovine skeletal muscle satellite cells. 2013 , 49, 785-97	10
797	A cellular stress-directed bistable switch controls the crosstalk between autophagy and apoptosis. 2013 , 9, 296-306	52
796	Combined administration of rituximab and on 013105 induces apoptosis in mantle cell lymphoma cells and reduces tumor burden in a mouse model of mantle cell lymphoma. 2013 , 19, 85-95	4
795	Rejuvenating Bi(d)ology. 2013 , 32, 3213-3219	13
794	Changes in the messenger RNA expression levels of Bcl-2 family members and caspase-8 and -3 in porcine ovarian follicles during follicular atresia. 2013 , 84, 222-30	7
793	Defective Apoptosis Signaling in Cancer. 2013 , 1-34	
792	Granzyme H induces cell death primarily via a Bcl-2-sensitive mitochondrial cell death pathway that does not require direct Bid activation. 2013 , 54, 309-18	10
791	Antitumour activity on extrinsic apoptotic targets of the triterpenoid maslinic acid in p53-deficient Caco-2 adenocarcinoma cells. 2013 , 95, 2157-67	25
790	Lipopolysaccharide prevents valproic acid-induced apoptosis via activation of nuclear factor- B and inhibition of p53 activation. 2013 , 282, 100-5	14
789	N-Myc knockdown and apigenin treatment controlled growth of malignant neuroblastoma cells having N-Myc amplification. 2013 , 529, 27-36	10
788	The molecular mechanisms and gene expression profiling for shikonin-induced apoptotic and necroptotic cell death in U937 cells. 2013 , 205, 119-27	29
787	Betaine stabilizes cell volume and protects against apoptosis in human corneal epithelial cells under hyperosmotic stress. 2013 , 108, 33-41	46

786	Photoreceptor cell death and rescue in retinal detachment and degenerations. 2013 , 37, 114-40	134
785	The caspase pathway of linoelaidic acid (9t, 12t-c18:2)-induced apoptosis in human umbilical vein endothelial cells. 2013 , 48, 115-26	14
784	Modulation of mitochondrial apoptosis by PI3K inhibitors. 2013 , 13, 195-8	54
783	In vitro changes in mitochondrial potential, aggresome formation and caspase activity by a novel 17- β -estradiol analogue in breast adenocarcinoma cells. 2013 , 31, 566-74	14
782	Cadmium telluride quantum dots cause oxidative stress leading to extrinsic and intrinsic apoptosis in hepatocellular carcinoma HepG2 cells. 2013 , 306, 114-23	134
781	Cellular Mechanisms of Drug Nephrotoxicity. 2013 , 2889-2932	3
780	Differential effects of caspase inhibitors on TNF-induced necroptosis. 2013 , 432, 451-5	13
779	Ubiquitin-specific protease16 modulates salt tolerance in Arabidopsis by regulating Na(+)/H(+) antiport activity and serine hydroxymethyltransferase stability. 2012 , 24, 5106-22	66
778	Oxidative stress: the mitochondria-dependent and mitochondria-independent pathways of apoptosis. 2013 , 87, 1157-80	918
777	Radiotherapy and TRAIL for cancer therapy. 2013 , 332, 184-93	15
776	The Coxiella burnetii type IV secretion system substrate CaeB inhibits intrinsic apoptosis at the mitochondrial level. 2013 , 15, 675-87	67
775	Sphingolipids and response to chemotherapy. 2013 , 73-91	15
774	Emerging roles of lipids in BCL-2 family-regulated apoptosis. 2013 , 1831, 1542-54	49
773	Multiple interacting cell death mechanisms in the mediation of excitotoxicity and ischemic brain damage: a challenge for neuroprotection. 2013 , 105, 24-48	152
772	Rosuvastatin enhances the therapeutic efficacy of adipose-derived mesenchymal stem cells for myocardial infarction via PI3K/Akt and MEK/ERK pathways. 2013 , 108, 333	93
771	Apoptosis and necrosis in the liver. 2013 , 3, 977-1010	212
770	Absence of death receptor translocation into lipid rafts in acquired TRAIL-resistant NSCLC cells. 2013 , 42, 699-711	18
769	Human Cancer Resistance to Trail-Apoptotic Pathway-Targeted Therapies. 2013 , 213-243	

768	Cell Death Signaling in Cancer Biology and Treatment. 2013 ,	1
767	Calcium signaling in the liver. 2013 , 3, 515-39	50
766	Inhibition of apoptosis by the intrinsic but not the extrinsic apoptotic pathway in myocardial ischemia-reperfusion. 2013 , 22, 280-6	17
765	Mechanisms of action of Bcl-2 family proteins. 2013 , 5, a008714	407
764	Surface code--biophysical signals for apoptotic cell clearance. 2013 , 10, 065007	34
763	Infection of neutrophil granulocytes with Leishmania major activates ERK 1/2 and modulates multiple apoptotic pathways to inhibit apoptosis. 2013 , 202, 25-35	39
762	Apoptosis. 2013 , 1, 1-101	
761	Effects of electroacupuncture on apoptotic pathways in a rat model of focal cerebral ischemia. 2013 , 32, 1303-10	17
760	Histone Deacetylase Inhibitors as Potential Therapeutic Agents for the Treatment of Malignant Mesothelioma. 2013 , 13, 476-482	
759	Reovirus activates a caspase-independent cell death pathway. 2013 , 4, e00178-13	63
758	p62 sequestosome 1/light chain 3b complex confers cytoprotection on lung epithelial cells after hyperoxia. 2013 , 48, 489-96	27
757	Hypothermia protects against fulminant hepatitis in mice by reducing reactive oxygen species production. 2013 , 31, 440-6	19
756	WITHDRAWN: Survivin, Caspase-3 and Caspase-9-activated proteins kinases in apoptosis. 2013 ,	
755	STL-based analysis of TRAIL-induced apoptosis challenges the notion of type I/type II cell line classification. 2013 , 9, e1003056	15
754	Cell-Death Pathways and Mitochondria. 2013 , 225-241	
753	Cellular mechanisms controlling caspase activation and function. 2013 , 5,	358
752	The presence of HIV-1 Tat protein second exon delays fas protein-mediated apoptosis in CD4+ T lymphocytes: a potential mechanism for persistent viral production. 2013 , 288, 7626-7644	39
751	Altered activation of endothelial anti- and proapoptotic pathways by high-density lipoprotein from patients with coronary artery disease: role of high-density lipoprotein-proteome remodeling. 2013 , 127, 891-904	251

750	Alternative Pre-mRNA Splicing, Cell Death, and Cancer. 2013 , 158, 181-212		3
749	Modulating cell-to-cell variability and sensitivity to death ligands by co-drugging. 2013 , 10, 035002		15
748	Functions of BCL-X L at the Interface between Cell Death and Metabolism. 2013 , 2013, 705294		61
747	Investigating Apoptotic Effects of Methanolic Extract of Dorema glabrum Seed on WEHI-164 Cells. 2013 , 2013, 949871		7
746	Multiple functions of BCL-2 family proteins. 2013 , 5,		331
745	tBid undergoes multiple conformational changes at the membrane required for Bax activation. 2013 , 288, 22111-27		71
744	EVER2 protein binds TRADD to promote TNF- α -induced apoptosis. <i>Cell Death and Disease</i> , 2013 , 4, e499	9.8	22
743	Caspase-2 promotes cytoskeleton protein degradation during apoptotic cell death. <i>Cell Death and Disease</i> , 2013 , 4, e940	9.8	15
742	Cells surviving fractional killing by TRAIL exhibit transient but sustainable resistance and inflammatory phenotypes. 2013 , 24, 2186-200		63
741	Cytotoxic and apoptosis-inducing activities of 12-O-Acetylazedarachin B from the fruits of Melia azedarach in human cancer cell lines. 2013 , 36, 135-9		17
740	Sialic acid-binding lectin (lecyzme) induces caspase-dependent apoptosis-mediated mitochondrial perturbation in Jurkat cells. 2013 , 43, 1402-12		28
739	Acetylpuerarin increases cell viability and reduces apoptosis in rat hippocampal neurons following oxygen-glucose deprivation/reperfusion. 2013 , 8, 1453-9		8
738	polysaccharides counteract inhibition on CD71 and FasL expression by culture supernatant of B16F10 cells upon lymphocyte activation. 2013 , 5, 1117-1122		8
737	CAPE promotes TRAIL-induced apoptosis through the upregulation of TRAIL receptors via activation of p38 and suppression of JNK in SK-Hep1 hepatocellular carcinoma cells. 2013 , 43, 1291-300		19
736	Caspase-8 binding to cardiolipin in giant unilamellar vesicles provides a functional docking platform for bid. 2013 , 8, e55250		21
735	Temperature increase exacerbates apoptotic neuronal death in chemically-induced ischemia. 2013 , 8, e68796		4
734	Induction of apoptosis by fucoidan in human leukemia U937 cells through activation of p38 MAPK and modulation of Bcl-2 family. 2013 , 11, 2347-64		58
733	The role of TNF- α and TNF superfamily members in the pathogenesis of calcific aortic valvular disease. 2013 , 2013, 875363		26

732	Apoptosis: the extrinsic pathway. 353-366		1
731	NK cell phenotypic and functional heterogeneities and molecular mechanisms of cytotoxicity. 2014 , 19, 21-45		6
730	TRAIL enhances apoptosis of human hepatocellular carcinoma cells sensitized by hepatitis C virus infection: therapeutic implications. 2014 , 9, e98171		10
729	Cytokine and Cytotoxic Signals as Mediators for the Pathogenesis of Severe Cutaneous Adverse Reactions. 2014 , 10, 33-40		
728	Pyrrroloquinoline Quinone Induces Cancer Cell Apoptosis via Mitochondrial-Dependent Pathway and Down-Regulating Cellular Bcl-2 Protein Expression. 2014 , 5, 609-24		16
727	DNA Damage and the Regulation of Cell Fate. 2014 , 845-862		
726	EWS Knockdown and Taxifolin Treatment Induced Differentiation and Removed DNA Methylation from p53 Promoter to Promote Expression of Puma and Noxa for Apoptosis in Ewing's Sarcoma. 2014 , 5, 1092-1113		6
725	Cytotoxic proteins and therapeutic targets in severe cutaneous adverse reactions. 2014 , 6, 194-210		34
724	Combination of bladder cancer-specific oncolytic adenovirus gene therapy with cisplatin on bladder cancer in vitro. 2014 , 35, 10879-90		7
723	JNK1/2 regulate Bid by direct phosphorylation at Thr59 in response to ALDH1L1. <i>Cell Death and Disease</i> , 2014 , 5, e1358	9.8	15
722	The combination of the prodrugs perforin-CEBPD and perforin-granzyme B efficiently enhances the activation of caspase signaling and kills prostate cancer. <i>Cell Death and Disease</i> , 2014 , 5, e1220	9.8	19
721	Arginase 2 deficiency reduces hyperoxia-mediated retinal neurodegeneration through the regulation of polyamine metabolism. <i>Cell Death and Disease</i> , 2014 , 5, e1075	9.8	43
720	Multiple partners can kiss-and-run: Bax transfers between multiple membranes and permeabilizes those primed by tBid. <i>Cell Death and Disease</i> , 2014 , 5, e1277	9.8	30
719	Substance P reduces TNF- β -induced apoptosis in human tenocytes through NK-1 receptor stimulation. 2014 , 48, 1414-20		25
718	Cell death and deubiquitinases: perspectives in cancer. 2014 , 2014, 435197		28
717	TRAIL combinations: The new 'trail' for cancer therapy (Review). <i>Oncology Letters</i> , 2014 , 7, 1327-1332	2.6	56
716	Induction of Apoptosis by Methyl Alcohol Extract of <i>Enteromorpha linza</i> (Linnaeus) J Agardh in U937 Human Leukemia Cells. 2014 , 13, 881		1
715	Pristimerin, a quinonemethide triterpenoid, induces apoptosis in pancreatic cancer cells through the inhibition of pro-survival Akt/NF- κ B/mTOR signaling proteins and anti-apoptotic Bcl-2. 2014 , 44, 1707-15		54

7 ¹⁴	Colistin-induced apoptosis in PC12 cells: involvement of the mitochondrial apoptotic and death receptor pathways. 2014 , 33, 1298-304	19
7 ¹³	Induction of G2/M phase cell cycle arrest and apoptosis by ginsenoside Rf in human osteosarcoma MG-63 cells through the mitochondrial pathway. 2014 , 31, 305-13	39
7 ¹²	Growth hormone receptor inhibition decreases the growth and metastasis of pancreatic ductal adenocarcinoma. 2014 , 46, e117	25
7 ¹¹	Role of caspase-9 in the effector caspases and genome expressions, and growth of bovine skeletal myoblasts. 2014 , 56, 131-42	10
7 ¹⁰	Amlodipine protects rat ventricular cardiomyoblast H9c2 From hypoxia-induced apoptosis and restores oxidative balance by Akt-1-dependent manner. 2014 , 64, 375-84	7
7 ⁰⁹	Oxidative Stress and Cell Death in Cardiovascular Disease. 2014 , 471-498	6
7 ⁰⁸	The progression of cell death affects the rejection of allogeneic tumors in immune-competent mice - implications for cancer therapy. <i>Frontiers in Immunology</i> , 2014 , 5, 560	8.4 17
7 ⁰⁷	Organization of the mitochondrial apoptotic BAK pore: oligomerization of the BAK homodimers. 2014 , 289, 2537-51	56
7 ⁰⁶	The roles of endoplasmic reticulum stress and mitochondrial apoptotic signaling pathway in quercetin-mediated cell death of human prostate cancer PC-3 cells. 2014 , 29, 428-39	54
7 ⁰⁵	Differential regulation of inflammation and apoptosis in Fas-resistant hepatocyte-specific Bid-deficient mice. 2014 , 61, 107-15	10
7 ⁰⁴	Semi-synthesis of acylated triterpenes from olive-oil industry wastes for the development of anticancer and anti-HIV agents. 2014 , 74, 278-301	30
7 ⁰³	Triptolide sensitizes pancreatic cancer cells to TRAIL-induced activation of the death receptor pathway. 2014 , 348, 156-66	49
7 ⁰²	Dexamethasone differentially regulates Bcl-2 family proteins in human proliferative chondrocytes: role of pro-apoptotic Bid. 2014 , 224, 196-200	23
7 ⁰¹	Temporal regulation of apoptotic and anti-apoptotic molecules after middle cerebral artery occlusion followed by reperfusion. 2014 , 49, 50-65	48
7 ⁰⁰	Colorants and cancer: A review. 2014 , 53, 167-186	21
6 ⁹⁹	Organotin polymers as anticancer and antiviral agents. 2014 , 751, 67-82	91
6 ⁹⁸	Oxymatrine induces mitochondria dependent apoptosis in human osteosarcoma MNNG/HOS cells through inhibition of PI3K/Akt pathway. 2014 , 35, 1619-25	47
6 ⁹⁷	Mitochondria-targeted antioxidants prevent TNF α induced endothelial cell damage. 2014 , 79, 124-30	21

696	Association of BH3 interacting domain death agonist (BID) gene polymorphisms with proteinuria of immunoglobulin A nephropathy. 2014 , 74, 329-35		3
695	Secretome profiling reveals the signaling molecules of apoptotic HCT116 cells induced by the dietary polyacetylene gymnasterkoreayne B. 2014 , 62, 2353-63		6
694	Staying alive: cell death in antiviral immunity. 2014 , 54, 273-80		104
693	Protective effects of the total saponins from Dioscorea nipponica Makino against carbon tetrachloride-induced liver injury in mice through suppression of apoptosis and inflammation. 2014 , 19, 233-44		54
692	Arrestins - Pharmacology and Therapeutic Potential. 2014 ,		9
691	Activated ERBB2/HER2 licenses sensitivity to apoptosis upon endoplasmic reticulum stress through a PERK-dependent pathway. 2014 , 74, 1766-77		41
690	The rheostat in the membrane: BCL-2 family proteins and apoptosis. 2014 , 21, 206-15		148
689	Mitochondrial and postmitochondrial survival signaling in cancer. 2014 , 16, 18-25		35
688	Synthetic liver X receptor agonist T0901317 attenuates high glucose-induced oxidative stress, mitochondrial damage and apoptosis in cardiomyocytes. 2014 , 116, 214-21		10
687	Amyloid β binds procaspase-9 to inhibit assembly of Apaf-1 apoptosome and intrinsic apoptosis pathway. 2014 , 1843, 685-93		17
686	Cell Death. 2014 ,		6
685	BID-dependent release of mitochondrial SMAC dampens XIAP-mediated immunity against Shigella. <i>EMBO Journal</i> , 2014 , 33, 2171-87	13	37
684	Integration and oligomerization of Bax protein in lipid bilayers characterized by single molecule fluorescence study. 2014 , 289, 31708-31718		11
683	Research advances on apoptosis caused by quantum dots. 2014 , 161, 3-12		20
682	Cardiolipin and mitochondrial function in health and disease. 2014 , 20, 1925-53		73
681	Mitochondria-mediated apoptosis in mammals. 2014 , 5, 737-49		238
680	The BCL-2 family protein Bid is critical for pro-inflammatory signaling in astrocytes. 2014 , 70, 99-107		13
679	SRJ23, a new semisynthetic andrographolide derivative: in vitro growth inhibition and mechanisms of cell cycle arrest and apoptosis in prostate cancer cells. 2014 , 30, 269-88		11

678	Sphingomyelin and phosphatidylcholine contrarily affect the induction of apoptosis in intestinal epithelial cells. 2014 , 58, 782-98	13
677	Regulated cell death in AKI. 2014 , 25, 2689-701	291
676	Peroxiredoxin 2 is upregulated in colorectal cancer and contributes to colorectal cancer cells' survival by protecting cells from oxidative stress. 2014 , 387, 261-70	51
675	Inositol pyrophosphates mediate the effects of aging on bone marrow mesenchymal stem cells by inhibiting Akt signaling. 2014 , 5, 33	33
674	Dual small-molecule targeting of procaspase-3 dramatically enhances zymogen activation and anticancer activity. 2014 , 136, 1312-9	25
673	Down-regulation of BAX gene during carcinogenesis and acquisition of resistance to 5-FU in colorectal cancer. 2014 , 20, 301-7	21
672	Chemical regulation of signaling pathways to programmed necrosis. 2014 , 37, 689-97	3
671	Association of caspase9 promoter polymorphisms with the susceptibility of AML in south Indian subjects. 2014 , 35, 8813-22	8
670	The lectin BJcuL induces apoptosis through TRAIL expression, caspase cascade activation and mitochondrial membrane permeability in a human colon adenocarcinoma cell line. 2014 , 90, 299-307	16
669	Hypothesis of mitochondrial oncogenesis as the trigger of normal cells to cancer cells. 2014 , 82, 744-7	2
668	ATM kinase promotes both caspase-8 and caspase-9 activation during TNF- α -induced apoptosis of HeLa cells. 2014 , 588, 929-35	13
667	Diallyl trisulfide-induced apoptosis of bladder cancer cells is caspase-dependent and regulated by PI3K/Akt and JNK pathways. 2014 , 37, 74-83	42
666	Characterization of TNF-induced caspase-independent necroptosis. 2014 , 38, 706-13	16
665	Glionitrin A, a new diketopiperazine disulfide, activates ATM-ATR-Chk1/2 via 53BP1 phosphorylation in DU145 cells and shows antitumor effect in xenograft model. 2014 , 37, 378-86	7
664	Induction of apoptosis by diphenyldifluoroketone in osteogenic sarcoma cells is associated with activation of caspases. 2014 , 31, 2286-92	19
663	Arecoline inhibits epithelial cell viability by upregulating the apoptosis pathway: implication for oral submucous fibrosis. 2014 , 31, 2422-8	13
662	Tetrandrine induces apoptosis and triggers a caspase cascade in U2-OS and MG-63 cells through the intrinsic and extrinsic pathways. 2014 , 9, 345-9	13
661	Neuroprotective Effect of Melatonin on Perinatal Hypoxia-Ischemia. 2014 , 86-97	

660	HSP27, 70 and 90, anti-apoptotic proteins, in clinical cancer therapy (Review). 2014 , 45, 18-30		161
659	Platelets induce apoptosis via membrane-bound FasL. 2015 , 126, 1483-93		50
658	Synthesis and biological evaluation of benzo[d][1,3]dioxol-5-yl chalcones as antiproliferating agents. 2015 , 86, 1267-84		6
657	Casticin treatment inhibits squamous cell carcinoma cell proliferation and arrests cell cycle in S phase. 2015 , 11, 206		1
656	Ethanol extract of induces apoptosis in SGC-7901 human gastric carcinoma cells via the mitochondrial signaling pathway. <i>Oncology Letters</i> , 2015 , 10, 2371-2377	2.6	5
655	C5 Extract Induces Apoptosis in B16F10 Murine Melanoma Cells through Extrinsic and Intrinsic Apoptotic Pathways and Sub-G1 Phase Arrest. 2015 , 14, 967		
654	The anti-tumor effect of a polypeptide extracted from Tegillarca granosa Linnaeus on renal metastatic tumor OS-RC-2 cells. 2015 , 11, 849-55		5
653	Molecular regulation of auditory hair cell death and approaches to protect sensory receptor cells and/or stimulate repair following acoustic trauma. 2015 , 9, 96		51
652	Mechanism of Action of Two Flavone Isomers Targeting Cancer Cells with Varying Cell Differentiation Status. 2015 , 10, e0142928		15
651	Pennogenyl Saponins from Paris quadrifolia L. Induce Extrinsic and Intrinsic Pathway of Apoptosis in Human Cervical Cancer HeLa Cells. 2015 , 10, e0135993		16
650	Aberrant Apoptotic Response of Colorectal Cancer Cells to Novel Nucleoside Analogues. 2015 , 10, e0138607		4
649	Functional Consequences for Apoptosis by Transcription Elongation Regulator 1 (TCERG1)-Mediated Bcl-x and Fas/CD95 Alternative Splicing. 2015 , 10, e0139812		7
648	Propofol inhibits burn injury-induced hyperpermeability through an apoptotic signal pathway in microvascular endothelial cells. 2015 , 48, 401-7		7
647	Modulation of specificity protein 1 by mithramycin A as a novel therapeutic strategy for cervical cancer. <i>Scientific Reports</i> , 2014 , 4, 7162	4.9	48
646	Fractional killing arises from cell-to-cell variability in overcoming a caspase activity threshold. 2015 , 11, 803		79
645	Radix ranunculus temate saponins induces apoptosis via the death receptor and mitochondrial pathways in SGC-7901 cells. 2015 , 11, 449-455		1
644	Delphinidin induces cytotoxicity and potentiates cytotoxic effect in combination with arsenite in an acute promyelocytic leukemia NB4 cell line. 2015 , 34, 431-8		17
643	Ethanol extract of Forsythia suspensa root induces apoptosis of esophageal carcinoma cells via the mitochondrial apoptotic pathway. 2015 , 11, 871-80		21

642	Manumycin A from a new <i>Streptomyces</i> strain induces endoplasmic reticulum stress-mediated cell death through specificity protein 1 signaling in human oral squamous cell carcinoma. 2015 , 47, 1954-62	7
641	The potential evasion of immune surveillance in mucosa associated lymphoid tissue lymphoma by DcR2-mediated up-regulation of nuclear factor- κ B. 2015 , 56, 1440-9	2
640	Ion channels in the regulation of apoptosis. 2015 , 1848, 2532-46	112
639	Effects of La(III) and Ca(II) on isolated <i>Carassius auratus</i> liver mitochondria: heat production and mitochondrial permeability transition. 2015 , 163, 217-23	4
638	Neuroprotection for traumatic brain injury. 2015 , 127, 343-66	53
637	The mystery of BCL2 family: Bcl-2 proteins and apoptosis: an update. 2015 , 89, 289-317	375
636	Vaccinia virus protein A49 is an unexpected member of the B-cell Lymphoma (Bcl)-2 protein family. 2015 , 290, 5991-6002	36
635	The role of lysosomes in BDE 47-mediated activation of mitochondrial apoptotic pathway in HepG2 cells. 2015 , 124, 10-21	27
634	A mutation in caspase-9 decreases the expression of BAFFR and ICOS in patients with immunodeficiency and lymphoproliferation. 2015 , 16, 151-61	4
633	Notch4 Signaling Confers Susceptibility to TRAIL-Induced Apoptosis in Breast Cancer Cells. 2015 , 116, 1371-80	11
632	Lipid rafts and raft-mediated supramolecular entities in the regulation of CD95 death receptor apoptotic signaling. 2015 , 20, 584-606	39
631	Major pathways of polymyxin-induced apoptosis in rat kidney proximal tubular cells. 2015 , 59, 2136-43	50
630	Regulation of the DNA damage response by ubiquitin conjugation. 2015 , 6, 98	39
629	Comparison of the cytotoxicity of cladribine and clofarabine when combined with fludarabine and busulfan in AML cells: Enhancement of cytotoxicity with epigenetic modulators. 2015 , 43, 448-61.e2	13
628	Label-free proteomic analysis of PBMCs reveals gender differences in response to long-term antiretroviral therapy of HIV. 2015 , 126, 46-53	6
627	Stress-induced ceramide generation and apoptosis via the phosphorylation and activation of nSMase1 by JNK signaling. 2015 , 22, 258-73	65
626	Anticancer effects of crocetin in human esophageal squamous cell carcinoma KYSE-150 cells. <i>Oncology Letters</i> , 2015 , 9, 1254-1260	2.6 29
625	<i>Paeonolum</i> protects against MPP(+)-induced neurotoxicity in zebrafish and PC12 cells. 2015 , 15, 137	11

624	Oncolytic virus carrying shRNA targeting SATB1 inhibits prostate cancer growth and metastasis. 2015 , 36, 9073-81		15
623	A T-cell-directed chimeric antigen receptor for the selective treatment of T-cell malignancies. 2015 , 126, 983-92		164
622	Crimean-Congo haemorrhagic fever replication interplays with regulation mechanisms of apoptosis. 2015 , 96, 538-546		12
621	ABC294640, a sphingosine kinase 2 inhibitor, enhances the antitumor effects of TRAIL in non-small cell lung cancer. 2015 , 16, 1194-204		44
620	Surviving apoptosis: life-death signaling in single cells. 2015 , 25, 446-58		89
619	Trailing TRAIL Resistance: Novel Targets for TRAIL Sensitization in Cancer Cells. 2015 , 5, 69		150
618	Study on Biological Effects of La(3+) on Rat Liver Mitochondria by Microcalorimetric and Spectroscopic Methods. 2015 , 167, 63-9		2
617	Salvianolic acid A attenuates TNF- α and D-GalN-induced ER stress-mediated and mitochondrial-dependent apoptosis by modulating Bax/Bcl-2 ratio and calcium release in hepatocyte LO2 cells. 2015 , 388, 817-30		28
616	Distinct lipid effects on tBid and Bim activation of membrane permeabilization by pro-apoptotic Bax. <i>Biochemical Journal</i> , 2015 , 467, 495-505	3.8	42
615	MicroRNA-133a engineered mesenchymal stem cells augment cardiac function and cell survival in the infarct heart. 2015 , 65, 241-51		46
614	MTCH2 is differentially expressed in rat testis and mainly related to apoptosis of spermatocytes. 2015 , 361, 869-83		5
613	Caveolae: molecular insights and therapeutic targets for stroke. 2015 , 19, 633-50		24
612	Direct effect of streptozotocin on periodontal ligament cells through myeloid cell leukemia-1. 2015 , 50, 807-13		1
611	Targeting TNF-related apoptosis-inducing ligand (TRAIL) receptor by natural products as a potential therapeutic approach for cancer therapy. 2015 , 240, 760-73		123
610	In vitro antitumor mechanism of (E)-N-(2-methoxy-5-(((2,4,6-trimethoxystyryl)sulfonyl)methyl)pyridin-3-yl)methanesulfonamide. 2015 , 87, 18-30		16
609	Phosphocreatine protects endothelial cells from oxidized low-density lipoprotein-induced apoptosis by modulating the PI3K/Akt/eNOS pathway. 2015 , 20, 1563-76		46
608	Ceramide generation during curcumin-induced apoptosis is controlled by crosstalk among Bcl-2, Bcl-xL, caspases and glutathione. 2015 , 27, 2220-30		17
607	Mitochondrion and Chloroplast Regulation of Plant Programmed Cell Death. 2015 , 33-53		10

606	DRAM1 regulates apoptosis through increasing protein levels and lysosomal localization of BAX. <i>Cell Death and Disease</i> , 2015 , 6, e1624	9.8	62
605	Induction of apoptosis in leukemia cell lines by new copper(II) complexes containing naphthyl groups via interaction with death receptors. 2015 , 153, 68-87		19
604	Lipid raft-mediated Fas/CD95 apoptotic signaling in leukemic cells and normal leukocytes and therapeutic implications. 2015 , 98, 739-59		30
603	Apoptosis: Pathways, Molecules and Beyond. 2015 , 1-30		2
602	A novel stereo bioactive metabolite isolated from an endophytic fungus induces caspase dependent apoptosis and STAT-3 inhibition in human leukemia cells. 2015 , 765, 75-85		14
601	Targeted delivery of doxorubicin to mitochondria using mesoporous silica nanoparticle nanocarriers. 2015 , 7, 16677-86		89
600	Death ligands and granulysin: mechanisms of tumor cell death induction and therapeutic opportunities. 2015 , 7, 883-2		16
599	MAPL SUMOylation of Drp1 Stabilizes an ER/Mitochondrial Platform Required for Cell Death. 2015 , 59, 941-55		175
598	ATR Plays a Direct Antiapoptotic Role at Mitochondria, which Is Regulated by Prolyl Isomerase Pin1. 2015 , 60, 35-46		42
597	Cell Death Signaling. 2015 , 7,		549
596	Molecular cloning, immunohistochemical localization, characterization and expression analysis of caspase-8 from the blunt snout bream (<i>Megalobrama amblycephala</i>) exposed to ammonia. 2015 , 47, 645-54		14
595	Targeting the Fas/FasL system in Rheumatoid Arthritis therapy: Promising or risky?. 2015 , 75, 228-33		19
594	Involvement of the TNF- α /ATGF-1/IDO axis in IVIg-induced immune tolerance. 2015 , 71, 181-7		12
593	ChBax/Bak as key regulators of the mitochondrial apoptotic pathway: cloned and characterized in <i>Crassostrea hongkongensis</i> . 2015 , 42, 225-32		12
592	RIP1-dependent Bid cleavage mediates TNF α -induced but Caspase-3-independent cell death in L929 fibroblastoma cells. 2015 , 20, 92-109		22
591	Proteases in cardiometabolic diseases: Pathophysiology, molecular mechanisms and clinical applications. 2015 , 1852, 195-208		63
590	Lactational exposure of phthalate causes long-term disruption in testicular architecture by altering tight junctional and apoptotic protein expression in Sertoli cells of first filial generation pubertal Wistar rats. 2015 , 34, 575-90		14
589	Histopathological and in vivo evidence of regucalcin as a protective molecule in mammary gland carcinogenesis. 2015 , 330, 325-335		10

588	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. 2015 , 22, 58-73		643
587	Oxidative Stress and Autophagy. 2016 ,		6
586	Tricyclic Neovibsanin Scaffold Inhibits Glioma by Targeting Glioma-Initiating Cells. 2016 , 15, 33		
585	TRAIL Induces Apoptosis and Autophagy. 2016 ,		
584	Antiapoptotic Effect of Acetylcholine in Fas-Induced Apoptosis in Human Keratocytes. 2016 , 57, 5892-5902		7
583	Killing Two Cells with One Stone: Pharmacologic BCL-2 Family Targeting for Cancer Cell Death and Immune Modulation. 2016 , 4, 135		13
582	Dioscin Induces Apoptosis in Human Cervical Carcinoma HeLa and SiHa Cells through ROS-Mediated DNA Damage and the Mitochondrial Signaling Pathway. <i>Molecules</i> , 2016 , 21,	4.8	29
581	The Octyl Ester of Ginsenoside Rh2 Induces Lysosomal Membrane Permeabilization via Bax Translocation. 2016 , 8,		11
580	Host-Parasite Interactions and Purifying Selection in a Microsporidian Parasite of Honey Bees. 2016 , 11, e0147549		14
579	Cellular and Molecular Responses to Mechanical Expansion of Tissue. 2016 , 7, 540		12
578	Proplatelet formation in megakaryocytes is associated with endoplasmic reticulum stress. 2016 , 21, 798-806		9
577	Infection of epithelial cells with <i>Chlamydia trachomatis</i> inhibits TNF-induced apoptosis at the level of receptor internalization while leaving non-apoptotic TNF-signalling intact. 2016 , 18, 1583-1595		16
576	The apoptotic members CD95, BclxL, and Bcl-2 cooperate to promote cell migration by inducing Ca(2+) flux from the endoplasmic reticulum to mitochondria. 2016 , 23, 1702-16		24
575	Baicalein ameliorates renal interstitial fibrosis by inducing myofibroblast apoptosis in vivo and in vitro. 2016 , 118, 145-52		18
574	Anticancer activity of Ashwagandha against human head and neck cancer cell lines. 2016 , 45, 193-201		10
573	Imatinib mesylate induces mitochondria-dependent apoptosis and inhibits invasion of human pigmented villonodular synovitis fibroblast-like synovial cells. 2016 , 35, 197-204		9
572	Trichosanthin reduces the viability of SU-DHL-2 cells via the activation of the extrinsic and intrinsic apoptotic pathways. 2016 , 13, 403-11		10
571	Hepatitis C Virus Infection of Cultured Human Hepatoma Cells Causes Apoptosis and Pyroptosis in Both Infected and Bystander Cells. <i>Scientific Reports</i> , 2016 , 6, 37433	4.9	57

570	The deadly landscape of pro-apoptotic BCL-2 proteins in the outer mitochondrial membrane. 2016 , 283, 2676-89	70
569	Involvement of PI3K/Akt, ERK and p38 signaling pathways in emodin-mediated extrinsic and intrinsic human hepatoblastoma cell apoptosis. 2016 , 92, 26-37	60
568	Mitochondrial permeabilization without caspase activation mediates the increase of basal apoptosis in cells lacking Nrf2. 2016 , 95, 82-95	8
567	SP600125 enhances the anti-apoptotic capacity and migration of bone marrow mesenchymal stem cells treated with tumor necrosis factor- α . 2016 , 475, 301-7	9
566	Docetaxel induces Bcl-2- and pro-apoptotic caspase-independent death of human prostate cancer DU145 cells. 2016 , 48, 2330-8	25
565	Mitochondria-Judges and Executioners of Cell Death Sentences. 2016 , 61, 695-704	211
564	Mitochondria in Cell Death Regulation. 2016 , 341-353	1
563	Cleavage by Caspase 8 and Mitochondrial Membrane Association Activate the BH3-only Protein Bid during TRAIL-induced Apoptosis. 2016 , 291, 11843-51	60
562	Inactivation of prosurvival Bcl-2 proteins activates Bax/Bak through the outer mitochondrial membrane. 2016 , 30, 973-88	192
561	Procyanidins, from <i>Castanea mollissima</i> Bl. shell, induces autophagy following apoptosis associated with PI3K/AKT/mTOR inhibition in HepG2 cells. 2016 , 81, 15-24	18
560	Directing cellular information flow via CRISPR signal conductors. 2016 , 13, 938-944	121
559	Quercetin sensitizes pancreatic cancer cells to TRAIL-induced apoptosis through JNK-mediated cFLIP turnover. 2016 , 78, 327-334	21
558	The inflammatory role of phagocyte apoptotic pathways in rheumatic diseases. 2016 , 12, 543-58	34
557	Embelin prevents LMP1-induced TRAIL resistance via inhibition of XIAP in nasopharyngeal carcinoma cells. <i>Oncology Letters</i> , 2016 , 11, 4167-4176	2.6 10
556	Cadmium induces oxidative stress and apoptosis in lung epithelial cells. 2016 , 26, 658-666	28
555	Resveratrol attenuates acute kidney injury by inhibiting death receptor-mediated apoptotic pathways in a cisplatin-induced rat model. 2016 , 14, 3683-9	28
554	Reactive oxygen species-mediated cardiac-reperfusion injury: Mechanisms and therapies. 2016 , 165, 43-55	69
553	Functional Implications of the spectrum of BCL2 mutations in Lymphoma. 2016 , 769, 1-18	14

552	Up-regulation of granzyme B and perforin by staphylococcal enterotoxin C2 mutant induces enhanced cytotoxicity in Hepa1-6 cells. 2016 , 313, 1-9		8
551	Comparison of biological effects of modulated electro-hyperthermia and conventional heat treatment in human lymphoma U937 cells. <i>Cell Death Discovery</i> , 2016 , 2, 16039	6.9	46
550	Integrating Enzymatic Self-Assembly and Mitochondria Targeting for Selectively Killing Cancer Cells without Acquired Drug Resistance. 2016 , 138, 16046-16055		198
549	Cell-type specific variation in the induction of ER stress and downstream events in chikungunya virus infection. 2016 , 101, 104-118		18
548	MEG3, HCN3 and linc01105 influence the proliferation and apoptosis of neuroblastoma cells via the HIF-1 α and p53 pathways. <i>Scientific Reports</i> , 2016 , 6, 36268	4.9	34
547	Epigallocatechin-3-gallate protects against hepatic ischaemia-reperfusion injury by reducing oxidative stress and apoptotic cell death. 2016 , 44, 1248-1262		17
546	Torilis japonica extract-generated intracellular ROS induces apoptosis by reducing the mitochondrial membrane potential via regulation of the AMPK-p38 MAPK signaling pathway in HCT116 colon cancer. 2016 , 49, 1088-98		14
545	Assembly of Bak homodimers into higher order homooligomers in the mitochondrial apoptotic pore. <i>Scientific Reports</i> , 2016 , 6, 30763	4.9	28
544	Human Stem Cell-Derived Cardiomyocyte In Vitro Models for Cardiotoxicity Screening. 2016 , 85-121		
543	Interrogating the relevance of mitochondrial apoptosis for vertebrate development and postnatal tissue homeostasis. 2016 , 30, 2133-2151		42
542	Cell death mechanisms in human chronic liver diseases: a far cry from clinical applicability. 2016 , 130, 2121-2138		11
541	Heterogeneous Nuclear Ribonucleoprotein L is required for the survival and functional integrity of murine hematopoietic stem cells. <i>Scientific Reports</i> , 2016 , 6, 27379	4.9	18
540	Davetli Konu Başlıkları / Proceedings and Abstracts of Invited Speakers (S). 2016 , 41,		
539	Baicalein Induces Caspase-dependent Apoptosis Associated with the Generation of ROS and the Activation of AMPK in Human Lung Carcinoma A549 Cells. 2016 , 77, 73-86		22
538	Bax/Bak activation in the absence of Bid, Bim, Puma, and p53. <i>Cell Death and Disease</i> , 2016 , 7, e2266	9.8	46
537	Live or Let Die: Is There any Cell Death in Podocytes?. 2016 , 36, 208-19		8
536	Apoptosis-associated protein expression in human salivary gland morphogenesis. 2016 , 69, 71-81		10
535	Selective activation of TNFR1 and NF- κ B inhibition by a novel biyouyanagin analogue promotes apoptosis in acute leukemia cells. 2016 , 16, 279		9

534	Alkyl ether lipids, ion channels and lipid raft reorganization in cancer therapy. 2016 , 165, 114-31	47
533	MOAP-1 Mediates Fas-Induced Apoptosis in Liver by Facilitating tBid Recruitment to Mitochondria. 2016 , 16, 174-185	14
532	A fate worse than death: apoptosis as an oncogenic process. 2016 , 16, 539-48	234
531	Ursodeoxycholic Acid Ameliorates Apoptotic Cascade in the Rotenone Model of Parkinson's Disease: Modulation of Mitochondrial Perturbations. 2016 , 53, 810-817	63
530	Thirty years of BCL-2: translating cell death discoveries into novel cancer therapies. 2016 , 16, 99-109	459
529	In vitro antitumor effects of two novel oligostilbenes, cis- and trans-suffruticosol D, isolated from <i>Paeonia suffruticosa</i> seeds. 2016 , 48, 646-56	13
528	Mitochondria-targeted drug delivery system for cancer treatment. 2016 , 24, 492-502	46
527	Acetylation of p53 Protein at Lysine 120 Up-regulates Apaf-1 Protein and Sensitizes the Mitochondrial Apoptotic Pathway. 2016 , 291, 7386-95	25
526	Targeting Hsp70: A possible therapy for cancer. 2016 , 374, 156-166	108
525	Corosolic acid analogue, a natural triterpenoid saponin, induces apoptosis on human hepatocarcinoma cells through mitochondrial pathway in vitro. 2016 , 54, 1445-57	2
524	Tectonic 1 Is a Key Regulator of Cell Proliferation in Pancreatic Cancer. 2016 , 31, 7-13	5
523	Clinical implications from proteomic studies in neurodegenerative diseases: lessons from mitochondrial proteins. 2016 , 13, 259-74	14
522	Bacterial DNA Protects Monocytic Cells against HIV-Vpr-Induced Mitochondrial Membrane Depolarization. 2016 , 196, 3754-67	3
521	Onto better TRAILs for cancer treatment. 2016 , 23, 733-47	201
520	iTRAQ-based quantitative proteomic analysis of the anti-apoptotic effect of hyperin, which is mediated by Mcl-1 and Bid, in H ₂ O ₂ -injured EA.hy926 cells. 2016 , 37, 1083-90	6
519	Mg(++) requirement for MthK binding, and Mg(++) stabilization of mitochondrial membranes via activation of MthK & MtCK and promotion of mitochondrial permeability transition pore closure: A hypothesis on mechanisms underlying Mg(++)'s antioxidant and cytoprotective effects. 2016 , 581, 1-13	16
518	The Cellular Apoptosis Susceptibility Protein (CAS) Promotes Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL)-induced Apoptosis and Cell Proliferation. 2016 , 291, 2379-88	9
517	An Analysis of the Truncated Bid- and ROS-dependent Spatial Propagation of Mitochondrial Permeabilization Waves during Apoptosis. 2016 , 291, 4603-13	6

516	Cytotoxicity of chitosans with different acetylation degrees and molecular weights on bladder carcinoma cells. 2016 , 84, 200-7	27
515	3-Bromopyruvate inhibits cell proliferation and induces apoptosis in CD133+ population in human glioma. 2016 , 37, 3543-8	3
514	T11TS Treatment Augments Apoptosis of Glioma Associated Brain Endothelial Cells, Hint Toward Anti-Angiogenic Action in Glioma. 2017 , 232, 526-539	2
513	Multi-parametric imaging of cell heterogeneity in apoptosis analysis. 2017 , 112, 105-123	15
512	Tetrandrine induces programmed cell death in human oral cancer CAL 27 cells through the reactive oxygen species production and caspase-dependent pathways and associated with beclin-1-induced cell autophagy. 2017 , 32, 329-343	35
511	Chromium IV exposure, via Src/Ras signaling, promotes cell transformation. 2017 , 56, 1808-1815	5
510	Bax/Bak-independent mitochondrial depolarization and reactive oxygen species induction by sorafenib overcome resistance to apoptosis in renal cell carcinoma. 2017 , 292, 6478-6492	36
509	Adenovirus-mediated truncated Bid overexpression induced by the Cre/LoxP system promotes the cell apoptosis of CD133+ ovarian cancer stem cells. 2017 , 37, 155-162	10
508	Carnosic acid cooperates with tamoxifen to induce apoptosis associated with Caspase-3 activation in breast cancer cells in vitro and in vivo. 2017 , 89, 827-837	28
507	Effects of 1alpha, 25-dihydroxyvitamin D on programmed cell death of Ishikawa endometrial cancer cells through ezrin phosphorylation. 2017 , 37, 503-509	6
506	Molecular Basis for Mitochondrial Signaling. 2017 ,	3
505	Histone Deacetylase Inhibitor SAHA Is a Promising Treatment of Cushing Disease. 2017 , 102, 2825-2835	37
504	The Mitochondrial Permeability Transition Pore: Molecular Structure and Function in Health and Disease. 2017 , 69-105	2
503	A Naturally Generated Decoy of the Prostate Apoptosis Response-4 Protein Overcomes Therapy Resistance in Tumors. 2017 , 77, 4039-4050	24
502	Immunoproapoptotic molecule scFv-Fdt-tBid modified mesenchymal stem cells for prostate cancer dual-targeted therapy. 2017 , 402, 32-42	9
501	The Structural Basis of Arrestin Functions. 2017 ,	1
500	Remote ischemic postconditioning confers neuroprotective effects via inhibition of the BID-mediated mitochondrial apoptotic pathway. 2017 , 16, 515-522	9
499	Vaccinia virus evasion of regulated cell death. 2017 , 186, 68-80	33

498	UMI-77 primes glioma cells for TRAIL-induced apoptosis by unsequestering Bim and Bak from Mcl-1. 2017 , 432, 55-65		1
497	Sesamol Induces Human Hepatocellular Carcinoma Cells Apoptosis by Impairing Mitochondrial Function and Suppressing Autophagy. <i>Scientific Reports</i> , 2017 , 7, 45728	4.9	42
496	Macrophage Elastase Induces TRAIL-mediated Tumor Cell Death through Its Carboxy-Terminal Domain. 2017 , 196, 353-363		13
495	Changes in membrane lipids drive increased endocytosis following Fas ligation. 2017 , 22, 681-695		6
494	Goniothalamin induces mitochondria-mediated apoptosis associated with endoplasmic reticulum stress-induced activation of JNK in HeLa cells. <i>Oncology Letters</i> , 2017 , 13, 119-128	2.6	13
493	Natural Compound Licochalcone B Induced Extrinsic and Intrinsic Apoptosis in Human Skin Melanoma (A375) and Squamous Cell Carcinoma (A431) Cells. 2017 , 31, 1858-1867		26
492	A Comparative Proteomic Analysis of Erinacine A's Inhibition of Gastric Cancer Cell Viability and Invasiveness. 2017 , 43, 195-208		22
491	Toxicity study of reclaimed water on human embryonic kidney cells. 2017 , 189, 390-398		4
490	Mangiferin induces apoptosis in human ovarian adenocarcinoma OVCAR3 cells via the regulation of Notch3. 2017 , 38, 1431-1441		21
489	Pretreatment with propylene glycol alginate sodium sulfate ameliorated concanavalin A-induced liver injury by regulating the PI3K/Akt pathway in mice. 2017 , 185, 103-113		24
488	Molecules, Systems and Signaling in Liver Injury. 2017 ,		
487	Beta-Catenin and the Survival of Hepatocytes. 2017 , 87-132		
486	Aglycone solanidine and solasodine derivatives: A natural approach towards cancer. 2017 , 94, 446-457		14
485	Conversion of Bim-BH3 from Activator to Inhibitor of Bak through Structure-Based Design. 2017 , 68, 659-672.e9		34
484	Endothelial cell apoptosis in angiogenesis and vessel regression. 2017 , 74, 4387-4403		66
483	Death of adrenocortical cells during murine acute T. cruzi infection is not associated with TNF-R1 signaling but mostly with the type II pathway of Fas-mediated apoptosis. 2017 , 65, 284-295		7
482	Sirtuin 6 plays an oncogenic role and induces cell autophagy in esophageal cancer cells. 2017 , 39, 1010428317708532		24
481	Cyproterone acetate enhances TRAIL-induced androgen-independent prostate cancer cell apoptosis via up-regulation of death receptor 5. 2017 , 17, 179		9

480	Mitochondria and lysosomes play a key role in HepG2 cell apoptosis induced by microcystin-LR. 2017 , 36, 63-72	4
479	Assessment of HDACi-Induced Cytotoxicity. 2017 , 1510, 23-45	12
478	The contribution of the programmed cell death machinery in innate immune cells to lupus nephritis. 2017 , 185, 74-85	3
477	Phosphocreatine protects endothelial cells from Methylglyoxal induced oxidative stress and apoptosis via the regulation of PI3K/Akt/eNOS and NF- κ B pathway. 2017 , 91, 26-35	35
476	Mitochondria in Multiple Sclerosis: Molecular Mechanisms of Pathogenesis. 2017 , 328, 49-103	41
475	Mitochondrial Regulators of Synaptic Plasticity in the Ischemic Brain. 2017 ,	1
474	Mouse Lung Fibroblast Resistance to Fas-Mediated Apoptosis Is Dependent on the Baculoviral Inhibitor of Apoptosis Protein 4 and the Cellular FLICE-Inhibitory Protein. 2017 , 8, 128	6
473	Cancer's Achilles' Heel: Apoptosis and Necroptosis to the Rescue. <i>International Journal of Molecular Sciences</i> , 2016 , 18,	6.3 53
472	Small Interfering RNA Targeting Mitochondrial Calcium Uniporter Improves Cardiomyocyte Cell Viability in Hypoxia/Reoxygenation Injury by Reducing Calcium Overload. 2017 , 2017, 5750897	27
471	Truncated Bid Overexpression Induced by Recombinant Adenovirus Cre/LoxP System Suppresses the Tumorigenic Potential of CD133 Ovarian Cancer Stem Cells. 2017 , 25, 595-603	1
470	Immunologic Repercussions of Cell Death. 2017 , 418-448.e6	1
469	Cytisine induces apoptosis of HepG2 cells. 2017 , 16, 3363-3370	10
468	Knockdown of c-Myc activates Fas-mediated apoptosis and sensitizes A549 cells to radiation. 2017 , 38, 2471-2479	17
467	Free Radicals and Reactive Oxygen Species. 2018 , 262-294	9
466	Comparative Proteomic Identification of Protein Disulphide Isomerase A6 Associated with Tert-Butylhydroperoxide-Induced Liver Injury in Rat Hepatocytes. 2018 , 45, 1915-1926	3
465	Structure-dependent induction of apoptosis by hepatotoxic pyrrolizidine alkaloids in the human hepatoma cell line HepaRG: Single versus repeated exposure. 2018 , 114, 215-226	23
464	Caspase-8 function, and phosphorylation, in cell migration. 2018 , 82, 105-117	29
463	Adenosine induces intrinsic apoptosis via the PI3K/Akt/mTOR signaling pathway in human pharyngeal squamous carcinoma FaDu cells. <i>Oncology Letters</i> , 2018 , 15, 6489-6496	2.6 9

462	Mitogenic activity of <i>Artocarpus lingnanensis</i> lectin and its apoptosis induction in Jurkat T cells. 2018 , 72, 745-756		4
461	PLEKHN1 promotes apoptosis by enhancing Bax-Bak hetro-oligomerization through interaction with Bid in human colon cancer. <i>Cell Death Discovery</i> , 2018 , 4, 11	6.9	10
460	Involvement of both caspase-8 and Noxa-activated pathways in endoplasmic reticulum stress-induced apoptosis in triple-negative breast tumor cells. <i>Cell Death and Disease</i> , 2018 , 9, 134	9.8	11
459	Glia Maturation Factor Dependent Inhibition of Mitochondrial PGC-1 β Triggers Oxidative Stress-Mediated Apoptosis in N27 Rat Dopaminergic Neuronal Cells. 2018 , 55, 7132-7152		24
458	Human MAIT cells show metabolic quiescence with rapid glucose-dependent upregulation of granzyme B upon stimulation. 2018 , 96, 666-674		19
457	Plagioneurin B, a potent isolated compound induces apoptotic signalling pathways and cell cycle arrest in ovarian cancer cells. 2018 , 23, 152-169		5
456	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. 2018 , 25, 486-541		2160
455	Intracellular Peptide Self-Assembly: A Biomimetic Approach for in Situ Nanodrug Preparation. 2018 , 29, 826-837		26
454	Getting the "Kill" into "Shock and Kill": Strategies to Eliminate Latent HIV. 2018 , 23, 14-26		186
453	Molecular Mechanisms of Cell Death. 2018 , 1-24		3
452	<i>Crocus sativus</i> a natural food coloring and flavoring has potent anti-tumor properties. <i>Phytomedicine</i> , 2018 , 43, 21-27	6.5	32
451	Mitochondrial Regulation of Cell Death. 2018 , 75-90		1
450	NanoTRAIL-Oncology: A Strategic Approach in Cancer Research and Therapy. 2018 , 7, e1800053		7
449	Attenuation of Glutamate-Induced Excitotoxicity by Withanolide-A in Neuron-Like Cells: Role for PI3K/Akt/MAPK Signaling Pathway. 2018 , 55, 2725-2739		26
448	Shaping mitochondrial dynamics: The role of cAMP signalling. 2018 , 500, 65-74		41
447	Müllerian Agenesis in Cat Eye Syndrome and 22q11 Chromosome Abnormalities: A Case Report and Literature Review. 2018 , 31, 158-161		3
446	Viewing BCL2 and cell death control from an evolutionary perspective. 2018 , 25, 13-20		57
445	<i>Lonicera japonica</i> Thunb. Induces caspase-dependent apoptosis through death receptors and suppression of AKT in U937 human leukemic cells. 2018 , 32, 504-513		8

444	How does p53 induce apoptosis and how does this relate to p53-mediated tumour suppression?. 2018 , 25, 104-113	437
443	Noxa: Role in Cancer Pathogenesis and Treatment. 2018 , 18, 914-928	21
442	The Mitochondrion and Plant Programmed Cell Death. 2018 , 308-334	
441	Bcl-2 inhibition sensitizes triple-negative human breast cancer cells to doxorubicin. 2018 , 9, 25545-25556	27
440	Mitoproteomics: Tackling Mitochondrial Dysfunction in Human Disease. 2018 , 2018, 1435934	13
439	Apoptosis. 2018 , 362-403	1
438	Sensitizing non-small cell lung cancer to BCL-xL-targeted apoptosis. <i>Cell Death and Disease</i> , 2018 , 9, 9869.8	13
437	Induction of ER Stress-Mediated Apoptosis by the Major Component 5,7,4'-Trimethoxyflavone Isolated from Kaempferia parviflora Tea Infusion. 2018 , 70, 984-996	3
436	Modes of Chemically Induced Cell Death. 2018 , 229-253	0
435	A mini review of fluoride-induced apoptotic pathways. 2018 , 25, 33926-33935	20
434	Identification of axolotl BH3-only proteins and expression in axolotl organs and apoptotic limb regeneration tissue. 2018 , 7,	2
433	Potential Role of ASC, a Proapoptotic Protein, for Determining the Cisplatin Susceptibility of Lung Cancer Cells. 2018 , 244, 133-144	7
432	Cytotoxicity and Apoptosis Induction by Coumarins in CLL. 2018 ,	
431	Repeated exposure of epithelial cells to apoptotic cells induces the specific selection of an adaptive phenotype: Implications for tumorigenesis. 2018 , 293, 10245-10263	2
430	The indole compound NC009-1 inhibits aggregation and promotes neurite outgrowth through enhancement of HSPB1 in SCA17 cells and ameliorates the behavioral deficits in SCA17 mice. 2018 , 67, 259-269	12
429	Loss of BID Delays FASL-Induced Cell Death of Mouse Neutrophils and Aggravates DSS-Induced Weight Loss. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3 3
428	The Role of Mitochondrial Outer Membrane Permeabilization (MOMP) in Apoptosis: Studying Bax Pores by Cryo-Electron Microscopy. 2018 , 39-62	2
427	Lipoprotein Particle Formation by Proapoptotic tBid. 2018 , 115, 533-542	2

426	Calreticulin protects the HT22 hippocampal neurons from injury induced by hypoxia. 2018 , 14, 79-86		1
425	MicroRNA-181c prevents apoptosis by targeting of FAS receptor in Ewing's sarcoma cells. 2018 , 18, 37		16
424	N-glycosylation of mouse TRAIL-R restrains TRAIL-induced apoptosis. <i>Cell Death and Disease</i> , 2018 , 9, 494	9.8	9
423	Hsp70 and gama-Semino protein as possible prognostic marker of prostate cancer. 2018 , 23, 1987-2000		7
422	Enhanced cytotoxic effects of arsenite in combination with anthocyanidin compound, delphinidin, against a human leukemia cell line, HL-60. 2018 , 294, 9-17		14
421	Trail armed oncolytic poxvirus suppresses lung cancer cell by inducing apoptosis. 2018 , 50, 1018-1027		10
420	TRAIL pathway targeting therapeutics. 2018 , 3, 197-204		11
419	Fundamental Mechanisms of Regulated Cell Death and Implications for Heart Disease. 2019 , 99, 1765-1817		221
418	Apoptotic Pathway as the Therapeutic Target for Anticancer Traditional Chinese Medicines. 2019 , 10, 758		34
417	Cdc20 and molecular chaperone CCT2 and CCT5 are required for the Muscovy duck reovirus p10.8-induced cell cycle arrest and apoptosis. 2019 , 235, 151-163		14
416	Mitochondrial signaling in inflammation-induced depressive behavior in female and male rats: The role of glucocorticoid receptor. 2019 , 150, 317-327		4
415	Fucoidan Structure and Activity in Relation to Anti-Cancer Mechanisms. 2019 , 17,		98
414	Anticancer effect of ursolic acid via mitochondria-dependent pathways. <i>Oncology Letters</i> , 2019 , 17, 4761-4767		14
413	Passive smoking induces rat testicular injury via the FAS/FASL pathway. 2019 , 1-9		1
412	Detection of tBid Oligomerization and Membrane Permeabilization by Graphene-Based Single-Molecule Surface-Induced Fluorescence Attenuation. 2019 , 19, 6937-6944		3
411	The Diversification of Cell Death and Immunity: Memento Mori. 2019 , 76, 232-242		51
410	BH3-only proteins target BCL-xL/MCL-1, not BAX/BAK, to initiate apoptosis. 2019 , 29, 942-952		46
409	Non-proteolytic ubiquitination of Hexokinase 2 by HectH9 controls tumor metabolism and cancer stem cell expansion. 2019 , 10, 2625		48

408	Hepatitis B Virus X Protein Induces SATB1 Expression Through Activation of ERK and p38MAPK Pathways to Suppress Anoikis. 2019 , 64, 3203-3214		4
407	Transcriptome Profiling Reveals Pro-Inflammatory Cytokines and Matrix Metalloproteinase Activation in Zika Virus Infected Human Umbilical Vein Endothelial Cells. 2019 , 10, 642		11
406	Activation of the Extrinsic and Intrinsic Apoptotic Pathways in Cerebellum of Kindled Rats. 2019 , 18, 750-760		10
405	Advances in the Understanding of Skin Cancer: Ultraviolet Radiation, Mutations, and Antisense Oligonucleotides as Anticancer Drugs. <i>Molecules</i> , 2019 , 24,	4.8	39
404	Polyethyleneimine-polyethylene glycol copolymer targeted by anti-HER2 nanobody for specific delivery of transcriptionally targeted tBid containing construct. 2019 , 47, 501-511		17
403	Inhibition of Caspase-1-dependent pyroptosis attenuates copper-induced apoptosis in chicken hepatocytes. 2019 , 174, 110-119		32
402	A glucagon-like peptide-1 analog, liraglutide, ameliorates endothelial dysfunction through miRNAs to inhibit apoptosis in rats. 2019 , 7, e6567		9
401	Gasdermin pores permeabilize mitochondria to augment caspase-3 activation during apoptosis and inflammasome activation. 2019 , 10, 1689		242
400	Regulation of death receptor signaling by the autophagy protein TP53INP2. <i>EMBO Journal</i> , 2019 , 38,	13	13
399	TRAILblazing Strategies for Cancer Treatment. 2019 , 11,		36
398	Mechanisms of Cell Death Induced by Optical Hyperthermia. 2019 , 201-228		4
397	N-nitrosodimethylamine (NDMA) induced apoptosis dependent on Fas/FasL complex in human leukocytes. 2019 , 38, 578-587		6
396	Delivery of TRAIL-expressing plasmid DNA to cancer cells in vitro and in vivo using aminoglycoside-derived polymers. 2019 , 7, 7014-7025		6
395	The fungal metabolite chaetocin is a sensitizer for pro-apoptotic therapies in glioblastoma. <i>Cell Death and Disease</i> , 2019 , 10, 894	9.8	8
394	Oleanolic acid inhibits cell proliferation migration and invasion and induces SW579 thyroid cancer cell line apoptosis by targeting forkhead transcription factor A. 2019 , 30, 812-820		8
393	A Triple Co-Delivery Liposomal Carrier That Enhances Apoptosis via an Intrinsic Pathway in Melanoma Cells. 2019 , 11,		10
392	Mitochondrial function and abnormalities implicated in the pathogenesis of ASD. 2019 , 92, 83-108		33
391	Treatment with DHA Modifies the Response of MDA-MB-231 Breast Cancer Cells and Tumors from nu/nu Mice to Doxorubicin through Apoptosis and Cell Cycle Arrest. 2019 , 149, 46-56		18

390	Humanin is a novel regulator of Hedgehog signaling and prevents glucocorticoid-induced bone growth impairment. 2019 , 33, 4962-4974		20
389	Granzyme B Is an Essential Mediator in CD8 T Cell Killing of -Infected Cells. 2019 , 87,		8
388	WSSV-host interaction: Host response and immune evasion. 2019 , 84, 558-571		68
387	Inhibition of Transient Receptor Potential Vanilloid 1 Attenuates Blood-Brain Barrier Disruption after Traumatic Brain Injury in Mice. 2019 , 36, 1279-1290		14
386	Many Ways-One Destination: Different Types of Neutrophils Death. 2019 , 38, 18-32		8
385	Encephalitozoon cuniculi and Vittaforma corneae (Phylum Microsporidia) inhibit staurosporine-induced apoptosis in human THP-1 macrophages in vitro. 2019 , 146, 569-579		6
384	Celastrol induces vincristine multidrug resistance oral cancer cell apoptosis by targeting JNK1/2 signaling pathway. <i>Phytomedicine</i> , 2019 , 54, 1-8	6.5	17
383	Molecular Pathway of Psoralidin-Induced Apoptosis in HepG2 Cell Line. 2019 , 25, 757-762		7
382	A novel therapeutic peptide targeting myocardial reperfusion injury. 2020 , 116, 633-644		7
381	Pathophysiology of Cancer Cell Death. 2020 , 74-83.e4		2
380	Delivery of long chain C and C ceramide in HeLa cells using oxidized graphene nanoribbons. 2020 , 108, 1141-1156		5
379	Garlic-derived bioactive compound S-allylcysteine inhibits cancer progression through diverse molecular mechanisms. 2020 , 73, 1-14		11
378	Aberrant mitochondrial function in ageing and cancer. 2020 , 21, 445-459		9
377	BioID-based proteomic analysis of the Bid interactome identifies novel proteins involved in cell-cycle-dependent apoptotic priming. <i>Cell Death and Disease</i> , 2020 , 11, 872	9.8	3
376	The immune system on the TRAIL of Alzheimer's disease. 2020 , 17, 298		13
375	The protective effect of soybean protein-derived peptides on apoptosis via the activation of PI3K-AKT and inhibition on apoptosis pathway. 2020 , 8, 4591-4600		5
374	A Probabilistic Approach to Explore Signal Execution Mechanisms With Limited Experimental Data. 2020 , 11, 686		3
373	Caspase-8 Inhibition Prevents the Cleavage and Degradation of E3 Ligase Substrate Receptor Cereblon and Potentiates Its Biological Function. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 605989	5.7	3

372	Caspase-2 Substrates: To Apoptosis, Cell Cycle Control, and Beyond. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 610022	5-7	11
371	Infection of Mammals and Mosquitoes by Alphaviruses: Involvement of Cell Death. <i>Cells</i> , 2020 , 9,	7-9	1
370	Limonoids and tricyclic diterpenoids from <i>Azadirachta indica</i> and their antitumor activities. 2020 , 100, 103889		3
369	Cell Death in the Origin and Treatment of Cancer. 2020 , 78, 1045-1054		46
368	Targeting XIAP for Promoting Cancer Cell Death-The Story of ARTS and SMAC. <i>Cells</i> , 2020 , 9,	7-9	30
367	Ethanol extract of Tunisian propolis: chemical composition, antioxidant, antimicrobial and antiproliferative properties. 2020 , 59, 917-927		1
366	Lipid asymmetry of a model mitochondrial outer membrane affects Bax-dependent permeabilization. 2020 , 1862, 183241		5
365	Reduced mitochondrial resilience enables non-canonical induction of apoptosis after TNF receptor signaling in virus-infected hepatocytes. 2020 , 73, 1347-1359		6
364	Inhibiting the inhibitors: Targeting anti-apoptotic proteins in cancer and therapy resistance. 2020 , 52, 100712		36
363	Ginkgolic acid (GA) suppresses gastric cancer growth by inducing apoptosis and suppressing STAT3/JAK2 signaling regulated by ROS. 2020 , 125, 109585		12
362	Understanding the role of key amino acids in regulation of proline dehydrogenase/proline oxidase (prodh/pox)-dependent apoptosis/autophagy as an approach to targeted cancer therapy. 2020 , 466, 35-44		17
361	Deep profiling of apoptotic pathways with mass cytometry identifies a synergistic drug combination for killing myeloma cells. 2020 , 27, 2217-2233		18
360	Lipid rafts as signaling hubs in cancer cell survival/death and invasion: implications in tumor progression and therapy: Thematic Review Series: Biology of Lipid Rafts. 2020 , 61, 611-635		60
359	Reconstituting the Mammalian Apoptotic Switch in Yeast. 2020 , 11,		2
358	Chemotherapy-induced pyroptosis is mediated by BAK/BAX-caspase-3-GSDME pathway and inhibited by 2-bromopalmitate. <i>Cell Death and Disease</i> , 2020 , 11, 281	9-8	54
357	A novel chimeric antigen receptor redirecting T-cell specificity towards CD26 cancer cells. 2021 , 35, 119-129		6
356	The role of caspase-8 in the tumor microenvironment of ovarian cancer. 2021 , 40, 303-318		7
355	It takes two to tango: synthesis of cytotoxic quinones containing two redox active centers with potential antitumor activity. 2021 , 12, 1709-1721		3

354	Deoxynivalenol Induces Caspase-8-Mediated Apoptosis through the Mitochondrial Pathway in Hippocampal Nerve Cells of Piglet. 2021 , 13,		3
353	Apoptotic signals at the endoplasmic reticulum-mitochondria interface. 2021 , 126, 307-343		3
352	Progesterone induces apoptosis by activation of caspase-8 and calcitriol via activation of caspase-9 pathways in ovarian and endometrial cancer cells in vitro. 2021 , 26, 184-194		8
351	CDK2-Mediated Upregulation of TNF α as a Mechanism of Selective Cytotoxicity in Acute Leukemia. 2021 , 81, 2666-2678		1
350	Sesamol Upregulates Death Receptors and Acts as a Chemosensitizer in Solid Ehrlich Carcinoma Model in Mice. 2021 , 1-15		5
349	Cytotoxic Efficacy and Resistance Mechanism of a TRAIL and VEGFA-Peptide Fusion Protein in Colorectal Cancer Models. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	0
348	Regulation of Caspase-8 Activity at the Crossroads of Pro-Inflammation and Anti-Inflammation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
347	Peppers: A "Hot" Natural Source for Antitumor Compounds. <i>Molecules</i> , 2021 , 26,	4.8	0
346	Development of a protein signature to enable clinical positioning of IAP inhibitors in colorectal cancer. 2021 , 288, 5374-5388		1
345	Bioactive phenolic components and potential health effects of chestnut shell: A review. 2021 , 45, e13696		7
344	Mitochondrial Fission Protein 1: Emerging Roles in Organellar Form and Function in Health and Disease. 2021 , 12, 660095		14
343	Guidelines for Regulated Cell Death Assays: A Systematic Summary, A Categorical Comparison, A Prospective. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 634690	5.7	20
342	Necroptosis, pyroptosis and apoptosis: an intricate game of cell death. 2021 , 18, 1106-1121		82
341	Concurrent diabetes and heart failure: interplay and novel therapeutic approaches. 2021 ,		4
340	Olig2 regulates p53-mediated apoptosis, migration and invasion of melanoma cells. <i>Scientific Reports</i> , 2021 , 11, 7778	4.9	1
339	Intrinsically Connected: Therapeutically Targeting the Cathepsin Proteases and the Bcl-2 Family of Protein Substrates as Co-regulators of Apoptosis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
338	The Program Cell Death (Apoptosis) and the Therapy of Cancer.		1
337	Network pharmacology and molecular docking reveal the mechanism of Scopoletin against non-small cell lung cancer. 2021 , 270, 119105		18

336	Linolenic acid induced TM4 Sertoli cells proliferation and enhanced total antioxidant capacity. 2021 , 1-6		
335	Apoptosis, Autophagy, Necrosis and Their Multi Galore Crosstalk in Neurodegeneration. 2021 , 469, 162-174		7
334	Great balls of fire: activation and signalling of inflammatory caspases. 2021 , 49, 1311-1324		6
333	Therapy-Induced Tumor Cell Death: Friend or Foe of Immunotherapy?. 2021 , 11, 678562		1
332	Epigenetic Deregulation of Apoptosis in Cancers. 2021 , 13,		10
331	Induction of mitochondrial apoptosis pathway mediated through caspase-8 and c-Jun N-terminal kinase by cadmium-activated Fas in rat cortical neurons. 2021 , 13,		2
330	Puerarin Attenuates Cadmium-Induced Neuronal Injury via Stimulating Cadmium Excretion, Inhibiting Oxidative Stress and Apoptosis. 2021 , 11,		1
329	Effects of acute hypoxia and reoxygenation on oxygen sensors, respiratory metabolism, oxidative stress, and apoptosis in hybrid yellow catfish "Huangyou-1". <i>Fish Physiology and Biochemistry</i> , 2021 , 47, 1429-1448	2.7	1
328	Cell death in pancreatic cancer: from pathogenesis to therapy. 2021 , 18, 804-823		27
327	MUC1 is an oncoprotein with a significant role in apoptosis (Review). 2021 , 59,		6
326	Enhancing the Effect of Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Signaling and Arginine Deprivation in Melanoma. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
325	Ginkgolic Acid Suppresses Nasopharyngeal Carcinoma Growth by Inducing Apoptosis and Inhibiting Signaling. 2021 , 24, 806-816		0
324	Increased Susceptibility and Intrinsic Apoptotic Signaling in Neurons by Induced HDAC3 Expression. 2021 , 62, 14		0
323	Macrophage and neutrophil death programs differentially confer resistance to tuberculosis. 2021 , 54, 1758-1771.e7		3
322	Atractylenolide III induces apoptosis by regulating the Bax/Bcl-2 signaling pathway in human colorectal cancer HCT-116 Cells in vitro and in vivo. 2021 ,		0
321	Translational targeting of inflammation and fibrosis in frozen shoulder: Molecular dissection of the T cell/IL-17A axis. 2021 , 118,		0
320	Chemical constituents from basidiomycete <i>Basidiolaradulum radula</i> culture medium and their cytotoxic effect on human prostate cancer DU-145 cells. 2021 , 114, 105064		
319	Caspase-8 Regulates the Antimyeloma Activity of Bortezomib and Lenalidomide. 2021 , 379, 303-309		2

318	Heat Shock Protein 27 Injection Leads to Caspase Activation in the Visual Pathway and Retinal T-Cell Response. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
317	Dynamics of caspase activation upon UV induced genotoxic injury. 2021 , 97, 394-400		
316	Apoptosis: Implications for Inflammatory Bowel Disease. 6 , 191-205		5
315	The Biology of Caspases in Central Nervous System Trauma. 2007 , 515-550		1
314	Programmed Neuronal Cell Death Mechanisms in CNS Injury. 2010 , 169-200		4
313	Therapy-induced apoptosis in primary tumors. 2007 , 608, 31-51		7
312	Mitochondrial Regulation of Plant Programmed Cell Death. 2011 , 439-465		12
311	BCL-2 family members and mitochondria. 2000 , 71-90		1
310	Caspase cascades and caspase targets. 2000 , 111-121		1
309	Radiation Induced Cell Deaths. 2008 , 215-248		1
308	Pathophysiological relevance of forkhead transcription factors in brain ischemia. 2009 , 665, 130-42		26
307	The interplay between BCL-2 family proteins and mitochondrial morphology in the regulation of apoptosis. 2010 , 687, 97-114		48
306	SMAC IAP Addiction in Cancer. 2013 , 255-279		1
305	Stress Induced Mutagenesis, Genetic Diversification, and Cell Survival via Anastasis, the Reversal of Late Stage Apoptosis. 2013 , 223-241		1
304	The Intrinsic Apoptotic Pathway. 2014 , 15-40		2
303	Mitochondrial Regulation of Cell-Death. 2013 , 33-60		1
302	Biological reactive intermediates and mechanisms of cell death. 2001 , 500, 1-10		7
301	Tumour Genotype and Response to Cytotoxic Gene Therapy. 2002 , 59-98		2

300	A Low-Cost Method for Tracking the Induction of Apoptosis Using FRET-Based Activity Sensors in Suspension Cells. 2016 , 93-108	1
299	The Extrinsic Pathway of Apoptosis. 2007 , 31-54	2
298	Regulation and Function of Detachment-Induced Cell Death (Anoikis) in Cancer Progression and Metastasis. 2007 , 109-122	1
297	Altered Apoptosis in AML. 2007 , 133-161	1
296	The Death Receptor Pathway. 2009 , 119-150	2
295	The Role of Mitochondrial Calcium Signaling in the Pathophysiology of Cancer Cells. 2020 , 1131, 747-770	14
294	Resistance to TRAIL Pathway-Targeted Therapeutics in Cancer. 2017 , 1-25	1
293	Arrestins in apoptosis. 2014 , 219, 309-39	12
292	Hepatocyte Apoptosis Triggered by Natural Substances (Cytokines, Other Endogenous Molecules and Foreign Toxins). 2000 , 59-108	5
291	Herpesviral proteins regulating apoptosis. 2002 , 269, 257-72	14
290	Role of apoptosis in myocardial hibernation and myocardial stunning. 2000 , 21-45	1
289	Apoptosis in Cerebral Ischemia. 2004 , 855-866	2
288	TNF Receptor Superfamily Signaling Pathways in Immune Cells. 2016 , 115-123	1
287	Apostosis Signaling: A Means to an End. 2003 , 431-439	1
286	Pathophysiology of Cancer Cell Death. 2014 , 69-77.e3	2
285	Drosophila Pro-apoptotic Bcl-2/Bax Homologue Reveals Evolutionary Conservation of Cell Death Mechanisms. 2000 , 275, 27303-27306	73
284	Dynamics of expression of apoptosis-regulatory proteins Bid, Bcl-2, Bcl-X, Bax and Bak during development of murine nervous system.	13
283	Keeping killers on a tight leash: transcriptional and post-translational control of the pro-apoptotic activity of BH3-only proteins.	8

282	Diversity of the apoptotic response to chemotherapy in childhood leukemia.	1
281	Mitochondrial cytochrome c release and caspase-3-like protease activation during indomethacin-induced apoptosis in rat gastric mucosal cells. 2000 , 224, 102-8	50
280	Apoptosis and allograft rejection in the absence of CD8+ T cells. 2001 , 71, 1827-34	30
279	Bile salt tauroursodeoxycholic acid modulation of Bax translocation to mitochondria protects the liver from warm ischemia-reperfusion injury in the rat. 2001 , 72, 1803-7	18
278	c-Myc-induced sensitization to apoptosis is mediated through cytochrome c release. 1999 , 13, 1367-81	261
277	tBID, a membrane-targeted death ligand, oligomerizes BAK to release cytochrome c. 2000 , 14, 2060-2071	598
276	Death and survival signals determine active/inactive conformations of pro-apoptotic BAX, BAD, and BID molecules. 1999 , 64, 343-50	45
275	Control of apoptosis in hematopoietic cells by the Bcl-2 family of proteins. 1999 , 64, 351-8	25
274	Mitochondrial Cytochrome c Release and Caspase-3-Like Protease Activation During Indomethacin-Induced Apoptosis in Rat Gastric Mucosal Cells. 2000 , 224, 102-108	1
273	Herpes simplex virus 1 blocks caspase-3-independent and caspase-dependent pathways to cell death. 1999 , 73, 3219-26	73
272	E1A sensitizes cancer cells to TRAIL-induced apoptosis through enhancement of caspase activation. 2005 , 3, 219-26	18
271	Molecular indices of apoptosis after intermittent blood and crystalloid cardioplegia. 2005 , 112, 1184-9	19
270	Caspases determine the vulnerability of oligodendrocytes in the ischemic brain. 2000 , 106, 643-53	71
269	Cathepsin B inactivation attenuates hepatic injury and fibrosis during cholestasis. 2003 , 112, 152-9	68
268	Cathepsin B inactivation attenuates hepatic injury and fibrosis during cholestasis. 2003 , 112, 152-159	162
267	Death begets failure in the heart. 2005 , 115, 565-71	228
266	Pharmacological manipulation of Bcl-2 family members to control cell death. 2005 , 115, 2648-55	96
265	Reawakening the cellular death program in neoplasia through the therapeutic blockade of IAP function. 2005 , 115, 2673-8	89

264	IKK/NF-kappaB signaling: balancing life and death--a new approach to cancer therapy. 2005 , 115, 2625-32	616
263	Death versus survival: functional interaction between the apoptotic and stress-inducible heat shock protein pathways. 2005 , 115, 2633-9	322
262	To kill a tumor cell: the potential of proapoptotic receptor agonists. 2008 , 118, 1979-90	247
261	Cathepsin B contributes to TNF-alpha-mediated hepatocyte apoptosis by promoting mitochondrial release of cytochrome c. 2000 , 106, 1127-37	566
260	Purified Photoproducts of Merocyanine 540 Trigger Cytochrome C Release and Caspase 8-Dependent Apoptosis in Human Leukemia and Melanoma Cells. 1999 , 93, 4096-4108	2
259	Subcellular Distribution and Redistribution of Bcl-2 Family Proteins in Human Leukemia Cells Undergoing Apoptosis. 1999 , 93, 2353-2359	6
258	Calpain Functions in a Caspase-Independent Manner to Promote Apoptosis-Like Events During Platelet Activation. 1999 , 94, 1683-1692	18
257	Arsenic induces apoptosis of multidrug-resistant human myeloid leukemia cells that express Bcr-Abl or overexpress MDR, MRP, Bcl-2, or Bcl-xL. 2000 , 95, 1014-1022	170
256	HMBA induces activation of a caspase-independent cell death pathway to overcome P-glycoprotein-mediated multidrug resistance. 2000 , 95, 2378-2385	2
255	Antileukemic drugs increase death receptor 5 levels and enhance Apo-2L-induced apoptosis of human acute leukemia cells. 2000 , 96, 3900-3906	12
254	Caspase-independent commitment phase to apoptosis in activated blood T lymphocytes: reversibility at low apoptotic insult. 2000 , 96, 1030-1038	7
253	CGP57148B (STI-571) induces differentiation and apoptosis and sensitizes Bcr-Abl-positive human leukemia cells to apoptosis due to antileukemic drugs. 2000 , 96, 2246-2253	15
252	Role of mesenchymal stem cells and their culture medium in alleviating kidney injury in rats diabetic nephropathy. 2020 , 21,	2
251	Regulation of Apoptosis. 2005 , 21-33	1
250	4-hydroxynonenal induces a cellular redox status-related activation of the caspase cascade for apoptotic cell death. 2000 , 113, 635-641	162
249	Roles of caspases in apoptosis, development, and cytokine maturation revealed by homozygous gene deficiencies. 2000 , 113, 753-757	225
248	Wild-type, mitochondrial and ER-restricted Bcl-2 inhibit DNA damage-induced apoptosis but do not affect death receptor-induced apoptosis. 2001 , 114, 4161-4172	83
247	BH3-only proteins [evolutionarily conserved proapoptotic Bcl-2 family members essential for initiating programmed cell death. 2002 , 115, 1567-1574	270

246	Equine torovirus (BEV) induces caspase-mediated apoptosis in infected cells. 2011 , 6, e20972	9
245	Identification of a conserved anti-apoptotic protein that modulates the mitochondrial apoptosis pathway. 2011 , 6, e25284	15
244	Dynamic interaction of cBid with detergents, liposomes and mitochondria. 2012 , 7, e35910	27
243	Tetrandrine induces mitochondria-mediated apoptosis in human gastric cancer BGC-823 cells. 2013 , 8, e76486	37
242	Rhizoctonia bataticola lectin (RBL) induces caspase-8-mediated apoptosis in human T-cell leukemia cell lines but not in normal CD3 and CD34 positive cells. 2013 , 8, e79311	11
241	Antenatal maternal long-term hypoxia: acclimatization responses with altered gene expression in ovine fetal carotid arteries. 2013 , 8, e82200	20
240	Silencer of death domains controls cell death through tumour necrosis factor-receptor 1 and caspase-10 in acute lymphoblastic leukemia. 2014 , 9, e103383	5
239	Mangiferin attenuates diabetic nephropathy by inhibiting oxidative stress mediated signaling cascade, TNF α -related and mitochondrial dependent apoptotic pathways in streptozotocin-induced diabetic rats. 2014 , 9, e107220	114
238	Bacterial fucose-rich polysaccharide stabilizes MAPK-mediated Nrf2/Keap1 signaling by directly scavenging reactive oxygen species during hydrogen peroxide-induced apoptosis of human lung fibroblast cells. 2014 , 9, e113663	30
237	GBM Derived Gangliosides Induce T Cell Apoptosis through Activation of the Caspase Cascade Involving Both the Extrinsic and the Intrinsic Pathway. 2015 , 10, e0134425	18
236	Maslinic Acid, a Natural Triterpene, Induces a Death Receptor-Mediated Apoptotic Mechanism in Caco-2 p53-Deficient Colon Adenocarcinoma Cells. 2016 , 11, e0146178	29
235	Gene Expression Analysis Indicates Divergent Mechanisms in DEN-Induced Carcinogenesis in Wild Type and Bid-Deficient Livers. 2016 , 11, e0155211	2
234	Caspase-8 and Caspase-9 Functioned Differently at Different Stages of the Cyclic Stretch-Induced Apoptosis in Human Periodontal Ligament Cells. 2016 , 11, e0168268	19
233	CIL-102-Induced Cell Cycle Arrest and Apoptosis in Colorectal Cancer Cells via Upregulation of p21 and GADD45. 2017 , 12, e0168989	18
232	TRAIL-induced apoptosis is enhanced by heat shock protein 70 expression. 2006 , 11, 343-55	13
231	Basic fibroblast growth factor selectively enhances TNF- α -induced apoptotic cell death in glomerular endothelial cells: effects on apoptotic signaling pathways. 2000 , 11, 2199-2211	23
230	Taurolidine cooperates with antineoplastic drugs in neuroblastoma cells. 2014 , 5, 460-9	2
229	Predicting the cell death responsiveness and sensitization of glioma cells to TRAIL and temozolomide. 2016 , 7, 61295-61311	9

228	Enhancement of TRAIL-induced apoptosis by 5-fluorouracil requires activating Bax and p53 pathways in TRAIL-resistant lung cancers. 2017 , 8, 18095-18105	20
227	Inhibition of SREBP1 sensitizes cells to death ligands. 2011 , 2, 186-96	23
226	RIP kinase-mediated necrosis as an alternative mechanisms of photoreceptor death. 2011 , 2, 497-509	40
225	Lithocholic bile acid selectively kills neuroblastoma cells, while sparing normal neuronal cells. 2011 , 2, 761-82	64
224	Subcellular localization of PUMA regulates its pro-apoptotic activity in Burkitt's lymphoma B cells. 2015 , 6, 38181-94	13
223	MITOCHONDRIAL PROTEIN PROFILE AND ITS ROLE IN PATHOLOGIC PROCESSES. 2013 , 12, 5-17	3
222	Pisosterol Induces G2/M Cell Cycle Arrest and Apoptosis via the ATM/ATR Signaling Pathway in Human Glioma Cells. 2020 , 20, 734-750	3
221	Effects of Caspase 9 Gene Polymorphism in Patients with Prostate Cancer. 2017 , 31, 205-208	4
220	Heat-induced Signal Transduction Pathways Leading to Cell Death and Cell Survival in Cancer Cells. 2009 , 25, 1-11	1
219	Poxviral Strategies to Overcome Host Cell Apoptosis. 2020 , 10,	7
218	CLONING AND EXPRESSION OF WHITE CLOUD MOUNTAIN MINNOW (TANICHTHYS ALBONUBES) CASPASE-3 AND CASPASE-9 cDNAs. 2011 , 35, 138-144	1
217	Inhibitory Effect of the Methanolic Extract of <i>Symphyclocladia latiuscula</i> on the Growth of HT-29 Human Colon Cancer Cells. 2007 , 36, 431-438	11
216	Induction of Apoptosis in HT-29 Human Colon Cancer Cells by the Pepper Component Piperine. 2009 , 38, 442-450	4
215	Induction of Apoptosis in Human Colon Carcinoma HCT116 Cells Using a Water Extract of <i>Lepidium virginicum</i> L.. 2011 , 40, 649-659	5
214	Expression of bcl-2 protein in chronic hepatitis C: effect of interferon alpha 2b with ribavirin therapy. 2005 , 11, 2949-52	11
213	Regulation of apoptosis by the papillomavirus E6 oncogene. 2005 , 11, 931-7	24
212	Oxidative stress, cardiolipin and mitochondrial dysfunction in nonalcoholic fatty liver disease. 2014 , 20, 14205-18	236
211	JTE-522-induced apoptosis in human gastric adenocarcinoma [correction of adenocarcinoma] cell line AGS cells by caspase activation accompanying cytochrome C release, membrane translocation of Bax and loss of mitochondrial membrane potential. 2002 , 8, 217-23	10

210	Hepatocellular apoptosis after hepatectomy in obstructive jaundice in rats. 2003 , 9, 2737-41	10
209	Cytostatic effects of plant essential oils on human skin and lung cells. 2020 , 19, 2008-2018	5
208	Liriopesides B induces apoptosis and cell cycle arrest in human non-small cell lung cancer cells. 2020 , 46, 1039-1050	3
207	Andrographolide sensitizes human renal carcinoma cells to TRAIL-induced apoptosis through upregulation of death receptor 4. 2020 , 44, 1939-1948	1
206	Apoptosis and Other Alternate Mechanisms of Cell Death. 2015 , 10, 646-668	5
205	Selective Cytotoxic Potential of IFN- β and TNF- β on Breast Cancer Cell Lines (T47D and MCF7). 2015 , 11, 1-12	6
204	BCNU/PLGA microspheres: a promising strategy for the treatment of gliomas in mice. 2014 , 26, 81-8	5
203	Suppressive Effect of a Carbohydrate Fraction from Eclipta prostrata on the Apoptosis of the Mouse Splenocytes in Culture. 2008 , 16, 403-409	1
202	Prospective clinical biomarkers of caspase-mediated apoptosis associated with neuronal and neurovascular damage following stroke and other severe brain injuries: Implications for chronic neurodegeneration. 2017 , 3, 87-108	22
201	Up-regulation of the DR5 expression by proteasome inhibitor MG132 augments TRAIL-induced apoptosis in soft tissue sarcoma cell lines. 2011 , 43, 124-30	12
200	Apoptosis Induction by Methanol Extract of Prunus mume Fruits in Human Leukemia U937 Cells. 2011 , 21, 1109-1119	5
199	Induction of Apoptosis by Pachymic Acid in T24 Human Bladder Cancer Cells. 2015 , 25, 93-100	2
198	Anti-cancer Properties and Relevant Mechanisms of Cordycepin, an Active Ingredient of the Insect Fungus Cordyceps spp.,. 2015 , 25, 607-614	4
197	Potassium efflux during apoptosis. 2002 , 35, 41-6	16
196	Nitric oxide as a pro-apoptotic as well as anti-apoptotic modulator. 2002 , 35, 116-26	156
195	Regulation of apoptosis by nitrosative stress. 2002 , 35, 127-33	47
194	Role of apoptotic and necrotic cell death under physiologic conditions. 2008 , 41, 1-10	71
193	DOBI is cleaved by caspases during TRAIL-induced apoptotic cell death. 2009 , 42, 511-5	10

- 192 Vitamin E modulates cigarette smoke extract-induced cell apoptosis in mouse embryonic cells. **2011**, 7, 927-36 12
- 191 Bid maintains mitochondrial cristae structure and function and protects against cardiac disease in an integrative genomics study. **2018**, 7, 10
- 190 OSMI-1 Enhances TRAIL-Induced Apoptosis through ER Stress and NF- κ B Signaling in Colon Cancer Cells. *International Journal of Molecular Sciences*, **2021**, 22, 6.3 3
- 189 At a Crossroads to Cancer: How p53-Induced Cell Fate Decisions Secure Genome Integrity. *International Journal of Molecular Sciences*, **2021**, 22, 6.3 5
- 188 Mitochondrial Carrier Homolog 2 Functionally Co-operates With BH3 Interacting-Domain Death Agonist in Promoting Ca-Induced Neuronal Injury. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 750100 5.7 1
- 187 NLRC4 inflammasome-dependent cell death occurs by a complementary series of three death pathways and determines lethality in mice. **2021**, 7, eabi9471 2
- 186 Apoptosis and Cancer. **2000**, 216-232
- 185 Programmed cell death and its regulation and initiation in *C. elegans*. **2000**, 35-55
- 184 Mechanisms and relevance of apoptosis. **2000**, 197-231
- 183 Role of Apoptosis and its Modulation by Bcl-2 Family Members in Breast and Prostate Cancer. **2000**, 353-371
- 182 bcl-2 Protects SK-N-SH Cells From 6-Hydroxydopamine Induced Apoptosis by Inhibition of Cytochrome c Redistribution. **2000**, 219-231
- 181 Functional Analysis of the Bcl2 Gene Family in Transgenic Mice. **2001**, 115-145
- 180 Events that Commit Neurons to Die After Trophic Factor Deprivation. **2001**, 47-60
- 179 Death Receptors in Acute Brain Injury. **2001**, 181-198
- 178 Gene Therapy Applications for the Treatment of Acute Inflammatory Conditions. **2001**, 225-246
- 177 Apoptosis in Cardiac Transplant Rejection. **2001**, 89-100
- 176 Roles for Fas in Programmed Cell Death of Motoneurons. **2001**, 33-45
- 175 Bcl-2 Family Members and Permeabilization of the Outer Mitochondrial Membrane. **2001**, 27-32

- 174 Molecular mechanisms of neuronal survival; Roles of kinases in ischemic cell death. **2002**, 97-114
- 173 Developing Gene-Based Neuroprotection Strategies Using Herpes Amplicon Vectors. **2002**, 335-357
- 172 Limiting Apoptosis as a Strategy for CNS Neuroprotection. **2002**, 37-63
- 171 Zellzyklus und Apoptose. **2003**, 130-184 1
- 170 Cell Death in Mammalian Development. **2003**, 163-175
- 169 Caspases. **2003**, 3-12
- 168 Bcl-2 Family Proteins. **2003**, 13-27
- 167 The Bax^{-/-}Bak^{-/-} Mouse: a Model for Apoptosis. **2003**, 105-112
- 166 Apoptose. **2003**, 181-212
- 165 Tauroursodeoxycholic Acid Prevents Glycochenodeoxycholic Acid-induced Apoptosis. **2003**, 15, 265-277
- 164 Bile Acid-Mediated Apoptosis in Cholestasis. **2004**, 126-134
- 163 Apoptotic responses common to cancer and inflammation. **2004**, 123-145
- 162 Zellzyklus und Apoptose. **2004**, 175-191
- 161 MITOCHONDRIAL INVOLVEMENT IN FAS-MEDIATED APOPTOSIS OF HUMAN LUMBAR DISC CELLS. **2005**, 87, 1338-1342 17
- 160 Intracellular Pathways of Neuronal Death. **2006**, 91-103
- 159 Molecular Analysis of Heart Failure and Remodeling. **2007**, 441-469
- 158 Molecular Pathways of Mitochondrial Dysfunction in Neurodegeneration: the Paradigms of Parkinson's and Huntington's Diseases. **2007**, 193-219
- 157 Lovastatin Induces Apoptotic Cell Death by Activation of Intracellular Ca²⁺Signal in HepG2 Human Hepatoma Cells. **2007**, 15, 137-144

- 156 Mapping the Specific Cytoprotective Interaction of Humanin with the Pro-apoptotic Protein Bid. **2007**, 071008041404001-???
- 155 Apoptosis in Critical Illness: A Primer for the Intensivist. **2008**, 375-384
- 154 Inhibitors of the Bcl-2 Protein Family as Sensitizers to Anticancer Agents. **2008**, 243-261
- 153 Tumor Cell Resistance to Apoptosis by Infiltrating Cytotoxic Lymphocytes. **2008**, 121-137
- 152 Cellular Mechanisms of Drug Nephrotoxicity. **2008**, 2507-2535
- 151 Cell Life and Death. **2008**, 67-76
- 150 Apoptosis in Critical Illness: A Primer for the Intensivist. **2008**, 375-384
- 149 Apoptosis. **2008**, 29-45
- 148 Cell Death: Biological Mechanisms and Small Molecule Inhibitors. 1
- 147 Mitochondrial Ion Channels in Ischemic Brain. **2009**, 117-150
- 146 Heat Shock Proteins and the Regulation of Apoptosis. **2009**, 53-66
- 145 Cell Biological Consideration of the Mechanism Underlying Polymethyl Methacrylate (PMMA) Dental Resin Cytotoxicity in Oral Mucosal Cells. **2009**, 1, 370-377 1
- 144 Targeting of TRAIL Apoptotic Pathways for Glioblastoma Therapies. **2009**, 977-1009
- 143 The Mitochondrial Pathway: Focus on Shape Changes. **2009**, 151-175
- 142 Fas/FasL. **2010**, 179-188
- 141 Caspases, Substrates and Sequential Activation.
- 140 Cardiac Remodeling and Cell Death in Heart Failure. **2010**, 213-231
- 139 Using FRET Technique to Investigate The Apoptotic Mechanism Induced by Cisplatin in Living Cells*. **2010**, 36, 1172-1179

- 138 Biochemistry and Cellular Mechanisms of Apoptosis in Vascular Smooth Muscle and Endothelial Cells. **2011**, 347-356
- 137 Apoptosis: The Signaling Pathways and Their Control. **2011**, 468-479
- 136 The Effect of the PD98059 on H₂O₂ Induced Apoptosis and Associated Proteins of Human Breast Cancer Cells. **2011**, 01, 39-44
- 135 Topoisomerases and Apoptosis. **2012**, 409-435
- 134 Basic Principles of Immunology in Urology. **2012**, 495-529.e5
- 133 BH3-Only Proteins in Cancer and Apoptosis. **2013**, 205-249
- 132 Induction of Apoptosis by Ethanol Extract of *Scutellaria baicalensis* in Renal Cell Carcinoma Caki-1 Cells. **2013**, 23, 518-528 3
- 131 Molecular Basis of Cell Death Programs in Mature T Cell Homeostasis. **2014**, 41-59
- 130 Protein expression changes in cells inoculated with equine influenza virus: antibody microarray analysis. **2013**, 16, 663-9
- 129 Effect of Snake Venom Toxin on Inhibition of Colorectal Cancer HT29 Cells Growth via Death Receptors Mediated Apoptosis. **2014**, 31, 87-98
- 128 Inhibitory Effect of Bee Venom Toxin on the Growth of Cervix Cancer C33A Cells via Death Receptor Expression and Apoptosis. **2014**, 31, 75-85 2
- 127 Mechanisms and Modulation of Tumor Microenvironment-Induced Immune Resistance. **2015**, 143-158
- 126 Fas/FasL. 203-213
- 125 Protein Kinases and Caspases: Bidirectional Interactions in Apoptosis. 85-114
- 124 Induction of Apoptosis by Hwangheuk-san in AGS Human Gastric Carcinoma Cells through the Generation of Reactive Oxygen Species and Activation of Caspases. **2015**, 25, 1235-1243
- 123 Arrestins in Cell Death. **2017**, 273-302
- 122 Caspases: Regulatory Mechanisms and Their Implications in Pathogenesis and Therapeutics. **2017**, 423-488
- 121 New Insights on the Regulation of Programmed Cell Death by Bcl-2 Family Proteins at the Mitochondria: Physiological and Pathophysiological Implications. **2017**, 253-283

- 120 Granzyme B is an essential mediator in CD8+ T cell killing of Theileria parva-infected cells.
- 119 BioID based proteomic analysis of the Bid interactome identifies novel proteins involved in cell cycle dependent apoptotic priming. 1
- 118 A probabilistic approach to explore signal execution mechanisms with limited experimental data.
- 117 Isobutyrylshikonin has a potentially stronger cytotoxic effect in oral cancer cells than its analogue shikonin in vitro. 2020, 116, 104774 2
- 116 A novel function of HRP-3 in regulating cell cycle progression via the HDAC-E2F1-Cyclin E pathway in lung cancer. 2021, 113, 145 1
- 115 Surviving death: emerging concepts of RIPK3 and MLKL ubiquitination in the regulation of necroptosis. 2021, 1
- 114 Death and Proliferation of Lymphocytes in Immune Response and Tumor Cells Are Controlled by pH Balance.
- 113 Therapeutics targeting BCL2 family proteins. 2022, 197-260 0
- 112 Cell death mechanisms Apoptosis pathways and their implications in toxicology. 2020, 199-228
- 111 In vitro antitumor potential of methanol extract of Mimosa pudica in human breast cancer cell lines. 2020, 16, 396 0
- 110 Caspase-8 in Labeo rohita is evolutionary conserved and is activated in Aeromonas hydrophila and Edwardsiella tarda infection and rhabdovirus vaccination. 2020, 81, 1
- 109 Cellular stress response to extremely low-frequency electromagnetic fields (ELF-EMF): An explanation for controversial effects of ELF-EMF on apoptosis. 2021, e13154 2
- 108 Mechanisms of apoptosis repression. 2001, 23, 11-33
- 107 The Bcl-2 Family. 2004, 25-47
- 106 The Role of Caspases in Apoptosis and Their Inhibition in Mammalian Cell Culture. 2004, 181-210 1
- 105 CD95-mediated apoptosis: immune mission to death. 21-38
- 104 Hamlet; A Novel Tool to Identify Apoptotic Pathways in Tumor Cells. 2005, 223-245
- 103 Apoptosis Induction By Tumor- Targeted Toxins. 2005, 179-187

102 Acute liver failure [mechanisms of liver cell destruction. 253-263

101 Abnormalities of cell structures in tumors: apoptosis in tumors. **2006**, 201-21

2

100 Cell Death and Transcription. **2006**, 431-444

99 Regulation of Inflammation by Fas Ligand Expression on the Vascular Endothelium. **1999**, 125-141

98 Signaling by Mitochondria. **2005**, 167-177

97 Signaling Pathways That Protect the Heart Against Apoptosis Induced by Ischemia and Reperfusion. **2006**, 181-195

96 Topoisomerase I Poisons and Apoptotic Topoisomerase I-DNA Complexes. **2007**, 383-406

95 Mechanisms of neural cell death: Implications for development of neuroprotective treatment strategies. **2004**, 1, 5-16

94 tBID, a membrane-targeted death ligand, oligomerizes BAK to release cytochrome c. **2000**, 14, 2060-71

826

93 The mitochondrial permeability transition pore and its role in cell death. *Biochemical Journal*, **1999**, 341 (Pt 2), 233-49

3.8

618

92 Cisplatin nephrotoxicity: molecular mechanisms. **2003**, 1, 47-61

200

91 Cross-talk in cell death signaling. *Journal of Experimental Medicine*, **2000**, 192, F21-5

16.6

37

90 A Dihydroxy-pentamethoxyflavone from *Gardenia obtusifolia* suppresses proliferation and promotes apoptosis of tumor cells through modulation of multiple cell signaling pathways. **2010**, 30, 3599-610

15

89 Silencing receptor EphA2 induces apoptosis and attenuates tumor growth in malignant mesothelioma. **2011**, 1, 419-431

14

88 TRAIL receptor signaling and therapeutic option in bone tumors: the trap of the bone microenvironment. **2012**, 2, 45-64

10

87 Expression of maspin in the early pregnant mouse endometrium and its role during embryonic implantation. **2012**, 62, 179-84

4

86 Extracellular Caspase-8 Dependent Apoptosis on HeLa Cancer Cells and MRC-5 Normal Cells by ICD-85 (Venom Derived Peptides). **2012**, 5, 194-202

4

85 Paclitaxel and TRAIL synergize to kill paclitaxel-resistant small cell lung cancer cells through a caspase-independent mechanism mediated through AIF. **2011**, 31, 3193-204

25

84	MLN4924, a Novel NEDD8-activating enzyme inhibitor, exhibits antitumor activity and enhances cisplatin-induced cytotoxicity in human cervical carcinoma: in vitro and in vivo study. 2015 , 5, 3350-62		9
83	Cross-talk between apoptosis and autophagy in lung epithelial cell death. 2014 , 2, 99-109		1
82	Gasdermins in Apoptosis: New players in an Old Game. 2019 , 92, 603-617		4
81	[Physiological Function and Structural Basis of Bcl-2 Family Proteins]. 2019 , 41, 1477-1489		
80	Over Fifty Years of Life, Death, and Cannibalism: A Historical Recollection of Apoptosis and Autophagy. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
79	Review of cancer cell resistance mechanisms to apoptosis and actual targeted therapies. 2021 ,		2
78	SMAC Mimetics as Therapeutic Agents in HIV Infection.. <i>Frontiers in Immunology</i> , 2021 , 12, 780400	8.4	1
77	Mitochondrial Mechanisms of Apoptosis and Necroptosis in Liver Diseases. 2021 , 2021, 8900122		1
76	Apoptosis in the Dentate Nucleus Following Kindling-induced Seizures in Rats. 2021 ,		0
75	Apoptosis and cancer. 2000 , 2, 180-190		1
74	Temporary Shutdown of ERK1/2 Phosphorylation Is Associated With Activation of Adaptive Immune Cell Responses and Disease Progression During Infection in BALB/c Mice.. <i>Frontiers in Immunology</i> , 2022 , 13, 762080	8.4	0
73	Structural insights into apoptotic regulation of human Bfk as a novel Bcl-2 family member.. <i>Computational and Structural Biotechnology Journal</i> , 2022 , 20, 745-756	6.8	0
72	Induction of apoptosis by Oleracein A and Oleracein B in HepG2 cancerous cells is mediated by ceramide generation, caspase-9/caspase-3 pathway activation, and oxidative damage. <i>Pharmacological Research Modern Chinese Medicine</i> , 2022 , 2, 100047		0
71	The concept of intrinsic versus extrinsic apoptosis.. <i>Biochemical Journal</i> , 2022 , 479, 357-384	3.8	4
70	BCL-2-family protein tBID can act as a BAX-like effector of apoptosis.. <i>EMBO Journal</i> , 2021 , e108690	13	8
69	Cross-talk in cell death signaling. <i>Journal of Experimental Medicine</i> , 2000 , 192, 21-6	16.6	15
68	Impact of Extracellular pH on Apoptotic and Non-Apoptotic TRAIL-Induced Signaling in Pancreatic Ductal Adenocarcinoma Cells.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 768579	5.7	0
67	Chlorogenic Acid Attenuates Oxidative Stress-Induced Intestinal Mucosa Disruption in Weaned Pigs.. <i>Frontiers in Veterinary Science</i> , 2022 , 9, 806253	3.1	0

66	Therapeutic Peptides to Treat Myocardial Ischemia-Reperfusion Injury.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 792885	5.4	1
65	PKC is an indispensable factor in promoting environmental toxin chromium-mediated transformation and drug resistance.. <i>Aging</i> , 2022 , 14, 1678-1690	5.6	
64	Therapeutic approaches targeting CD95L/CD95 signaling in cancer and autoimmune diseases.. <i>Cell Death and Disease</i> , 2022 , 13, 248	9.8	1
63	Radiosensitizer Effect of �Apopicropodophyllin against Colorectal Cancer via Induction of Reactive Oxygen Species and Apoptosis.. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
62	Killing by Degradation: Regulation of Apoptosis by the Ubiquitin-Proteasome-System.. <i>Cells</i> , 2021 , 10,	7.9	1
61	p53, Cell Cycle Arrest and Apoptosis. 2007 , 141-163		
60	Presentation_1.PDF. 2020 ,		
59	Table_1.XLSX. 2020 ,		
58	Table_2.XLSX. 2020 ,		
57	Table_3.XLSX. 2020 ,		
56	Table_4.XLSX. 2020 ,		
55	Table_5.XLSX. 2020 ,		
54	Table_6.XLSX. 2020 ,		
53	Table_1.doc. 2020 ,		
52	It's All in the PAN: Crosstalk, Plasticity, Redundancies, Switches, and Interconnectedness Encompassed by PANoptosis Underlying the Totality of Cell Death-Associated Biological Effects.. <i>Cells</i> , 2022 , 11,	7.9	2
51	Oxime derivative TFOBO promotes cell death by modulating reactive oxygen species and regulating NADPH oxidase activity in myeloid leukemia.. <i>Scientific Reports</i> , 2022 , 12, 7519	4.9	
50	Targeting the apoptosis pathway to treat tumours of the paediatric nervous system.. <i>Cell Death and Disease</i> , 2022 , 13, 460	9.8	1
49	Protective effects and mechanisms of lycorine against adriamycin-induced cardiotoxicity. <i>Phytomedicine</i> , 2022 , 102, 154178	6.5	

48	The Achilles heel of cancer: targeting tumors via lysosome-induced immunogenic cell death. <i>Cell Death and Disease</i> , 2022 , 13,	9.8	1
47	Interferon- β and its effects on cancer cell apoptosis (Review). <i>Oncology Letters</i> , 2022 , 24,	2.6	0
46	Apoptosis-Related Diseases and Peroxisomes.		
45	Design and development of novel docetaxel labeled DQAsomes for inducing apoptosis and anti-cancer effect on the breast cancer cells, an in vitro study. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 73, 103461	4.5	
44	Hypoxia-induced oxidative stress and apoptosis in gills of scaleless carp (<i>Gymnocypris przewalskii</i>). <i>Fish Physiology and Biochemistry</i> ,	2.7	0
43	Innate Conformational Dynamics Drive Binding Specificity in Anti-Apoptotic Proteins Mcl-1 and Bcl-2.		
42	Exploration of the Effect and Potential Mechanism of Echinacoside Against Endometrial Cancer Based on Network Pharmacology and in vitro Experimental Verification. <i>Drug Design, Development and Therapy</i> , Volume 16, 1847-1863	4.4	
41	Alloreactivity and apoptosis in graft rejection and transplantation tolerance. 2000 , 68, 167-174		10
40	Caspase-2 is a mediator of apoptotic signaling in response to gemtuzumab ozogamicin in acute myeloid leukemia. <i>Cell Death Discovery</i> , 2022 , 8,	6.9	0
39	Singlet Oxygen, Photodynamic Therapy, and Mechanisms of Cancer Cell Death. <i>Journal of Oncology</i> , 2022 , 2022, 1-20	4.5	2
38	The BCL -2 family member BID plays a role during embryonic development in addition to its BH3 -only protein function by acting in parallel to BAX , BAK and BOK. <i>EMBO Journal</i> ,	13	1
37	Mitochondria as Cellular and Organismal Signaling Hubs. <i>Annual Review of Cell and Developmental Biology</i> , 2022 , 38,	12.6	3
36	Camptothecin- and etoposide-induced apoptosis in human leukemia cells is independent of cell death receptor-3 and -4 aggregation but accelerates tumor necrosis factor-related apoptosis-inducing ligand-mediated cell death. <i>Molecular Cancer Therapeutics</i> , 2004 , 3, 1659-1669	6.1	6
35	Phosphorothioate oligodeoxynucleotides and G3139 induce apoptosis in 518A2 melanoma cells. <i>Molecular Cancer Therapeutics</i> , 2005 , 4, 305-315	6.1	8
34	Induction of redox imbalance and apoptosis in multiple myeloma cells by the novel triterpenoid 2-cyano-3,12-dioxolean-1,9-dien-28-oic acid. 2004 , 3, 39-45		26
33	Down-regulation of protein kinase C β potentiates the cytotoxic effects of exogenous tumor necrosis factor-related apoptosis-inducing ligand in PC-3 prostate cancer cells. <i>Molecular Cancer Therapeutics</i> , 2004 , 3, 773-781	6.1	6
32	Advances on Natural Abietane, Labdane and Clerodane Diterpenes as Anti-Cancer Agents: Sources and Mechanisms of Action. <i>Molecules</i> , 2022 , 27, 4791	4.8	1
31	Nicotinic receptor components of amyloid beta 42 proteome regulation in human neural cells. 2022 , 17, e0270479		0

30	Pharmacological Induction of Granulocyte Cell Death As Therapeutic Strategy. 2023 , 63,	0
29	Involvement of Bid in the crosstalk between ferroptotic agent-induced ER stress and TRAIL-induced apoptosis.	
28	T cell lysis of murine renal cancer: multiple signaling pathways for cell death via Fas. 2000 , 68, 81-86	10
27	Single-Cell Profiling of the Intrinsic Apoptotic Pathway by Mass Cytometry (CyTOF). 2022 , 83-97	1
26	Single cell analysis of PANoptosome cell death complexes through an expansion microscopy method. 2022 , 79,	3
25	RIPK3 and caspase 8 collaborate to limit herpes simplex encephalitis. 2022 , 18, e1010857	1
24	Radiation-induced Cell Death and Its Mechanisms. 2022 , 123, 376-386	0
23	Pathomechanisms of non-coding RNAs and hub genes related to the oxidative stress in diabetic complications. 11, 1132	0
22	Ultrastructural analysis of zinc oxide nanospheres enhances anti-tumor efficacy against Hepatoma. 12,	1
21	Implication of extrinsic and intrinsic apoptotic pathways in the targeted therapy of hepatocellular carcinoma using aptamer-labeled viramidine nanoparticles. 2022 , 22,	0
20	Regulation of programmed death ligand 1 (PD-L1) expression by TNF-related apoptosis-inducing ligand (TRAIL) in triple-negative breast cancer cells.	0
19	Structural transitions in TCTP tumor protein upon Mcl-1 binding.	0
18	Roles of Oxidative Stress in the Male Reproductive System: Potential of Antioxidant Supplementation for Infertility Treatment. 2022 , 259-274	1
17	Apoptosis in Cancer. 2022 , 1-25	0
16	Filoviruses: Innate Immunity, Inflammatory Cell Death, and Cytokines. 2022 , 11, 1400	0
15	Mitochondria and cell death-associated inflammation.	1
14	Endoplasmic Reticulum Stress Signaling and Neuronal Cell Death. 2022 , 23, 15186	1
13	Cell death regulation: a new way for natural products to treat osteoporosis. 2022 , 106635	0

12	Combined inhibition of Aurora Kinases and Bcl-xL induces apoptosis through select BH3-only proteins. 2023 , 102875	0
11	UV Stress Effect on Structure and Function of Pro-apoptotic Bid and Anti-apoptotic Bcl-xl proteins.	0
10	CD30 Overexpression Enhances Negative Selection in the Thymus and Mediates Programmed Cell Death Via a Bcl-2-Sensitive Pathway. 1999 , 163, 194-205	16
9	In Vivo Evidence That Caspase-3 Is Required for Fas-Mediated Apoptosis of Hepatocytes. 1999 , 163, 4909-4916 ₁₇	
8	Apoptotic mitochondrial poration by a growing list of pore-forming BCL-2 family proteins. 2200221	0
7	Branching out in different directions: Emerging cellular functions for the Arp2/3 complex and WASP-family actin nucleation factors. 2023 , 102, 151301	0
6	Untangling the complexity of heat shock protein 27 in cancer and metastasis. 2023 , 736, 109537	0
5	Marine Polyether Phycotoxin Palytoxin Induces Apoptotic Cell Death via Mcl-1 and Bcl-2 Downregulation. 2023 , 21, 233	0
4	Copper metabolism in cell death and autophagy. 1-21	0
3	Apoptotic cell death in diseaseCurrent understanding of the NCCD 2023. 2023 , 30, 1097-1154	0
2	Innate Conformational Dynamics Drive Binding Specificity in Anti-Apoptotic Proteins Mcl-1 and Bcl-2.	0
1	Structural transitions in TCTP tumor protein upon binding to the anti-apoptotic protein family member Mcl-1. 2023 , 104830	0