

# Boris Zhivotovsky

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

331  
papers

42,428  
citations

86  
h-index

202  
g-index

371  
ext. papers

47,104  
ext. citations

7.3  
avg, IF

7.29  
L-index

#	Paper	IF	Citations
331	A Balance Between Autophagy and Other Cell Death Modalities in Cancer.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2445, 3-24	1.4	
330	Induction and Detection of Mitophagy.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2445, 227-239	1.4	0
329	Mitophagy in carcinogenesis and cancer treatment.. <i>Discover Oncology</i> , <b>2021</b> , 12, 58		1
328	A long way to go: caspase inhibitors in clinical use. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 949	9.8	3
327	Simple and Efficient Protocol for Subcellular Fractionation of Normal and Apoptotic Cells. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
326	Platinum drugs and taxanes: can we overcome resistance?. <i>Cell Death Discovery</i> , <b>2021</b> , 7, 155	6.9	4
325	Anastasis: Return Journey from Cell Death. <i>Cancers</i> , <b>2021</b> , 13,	6.6	7
324	Analysis of Mitochondrial Dysfunction During Cell Death. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2276, 215-225		1
323	Receptor-Mediated Mitophagy Rescues Cancer Cells under Hypoxic Conditions. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
322	Long non-coding RNAs: A view to kill ovarian cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2021</b> , 1876, 188584	11.2	4
321	Modeling hypoxia facilitates cancer cell survival through downregulation of p53 expression. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 345, 109553	5	2
320	Caspase-2 as a master regulator of genomic stability. <i>Trends in Cell Biology</i> , <b>2021</b> , 31, 712-720	18.3	6
319	A link between mitotic defects and mitotic catastrophe: detection and cell fate. <i>Biology Direct</i> , <b>2021</b> , 16, 25	7.2	3
318	Nutrient Deprivation Promotes MCL-1 Degradation in an Autophagy-Independent Manner. <i>Biochemistry (Moscow)</i> , <b>2020</b> , 85, 1235-1244	2.9	1
317	Mcl-1 as a "barrier" in cancer treatment: Can we target it now?. <i>International Review of Cell and Molecular Biology</i> , <b>2020</b> , 351, 23-55	6	4
316	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. <i>Molecular Cell</i> , <b>2020</b> , 77, 927-929	17.6	35
315	Desmin mutations result in mitochondrial dysfunction regardless of their aggregation properties. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2020</b> , 1866, 165745	6.9	12

314	To Eat or to Die: Deciphering Selective Forms of Autophagy. <i>Trends in Biochemical Sciences</i> , <b>2020</b> , 45, 347-364	10.3	39
313	Saga of Mcl-1: regulation from transcription to degradation. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 405-419	12.7	47
312	Upregulation of Mcl-1S Causes Cell-Cycle Perturbations and DNA Damage Accumulation. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 543066	5.7	3
311	Requirement for Serine-384 in Caspase-2 processing and activity. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 825	9.8	2
310	BNIP3 as a Regulator of Cisplatin-Induced Apoptosis. <i>Biochemistry (Moscow)</i> , <b>2020</b> , 85, 1245-1253	2.9	3
309	BNIP3 in Lung Cancer: To Kill or Rescue?. <i>Cancers</i> , <b>2020</b> , 12,	6.6	9
308	Viral Infections: Negative Regulators of Apoptosis and Oncogenic Factors. <i>Biochemistry (Moscow)</i> , <b>2020</b> , 85, 1191-1201	2.9	6
307	Programmed Cell Death: Historical Notes from Russia. <i>Biochemistry (Moscow)</i> , <b>2020</b> , 85, 1127-1133	2.9	2
306	Targeting Bcl-2 Family Proteins: What, Where, When?. <i>Biochemistry (Moscow)</i> , <b>2020</b> , 85, 1210-1226	2.9	7
305	On Sten Orrenius (1937-2020). <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 2744-2745	12.7	
304	Distinct effects of etoposide on glutamine-addicted neuroblastoma. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 1197-1207	10.3	4
303	The DNA-damage response and nuclear events as regulators of nonapoptotic forms of cell death. <i>Oncogene</i> , <b>2020</b> , 39, 1-16	9.2	27
302	Biodegradable Porous Silicon Nanocontainers as an Effective Drug Carrier for Regulation of the Tumor Cell Death Pathways. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 6063-6071	5.5	9
301	Molecular Comprehension of Mcl-1: From Gene Structure to Cancer Therapy. <i>Trends in Cell Biology</i> , <b>2019</b> , 29, 549-562	18.3	42
300	Involvement of mitophagy in cisplatin-induced cell death regulation. <i>Biological Chemistry</i> , <b>2019</b> , 400, 161-170	4.5	16
299	Mitochondrial Involvement in Migration, Invasion and Metastasis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2019</b> , 7, 355	5.7	40
298	Caspase-2 associates with FAN through direct interaction and overlapping functionality. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 499, 822-828	3.4	0
297	Cell death-based treatment of lung adenocarcinoma. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 117	9.8	208

296	Cell death-based treatment of neuroblastoma. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 113	9.8	20
295	A caspase-2-RFXANK interaction and its implication for MHC class II expression. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 80	9.8	2
294	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 486-541	12.7	2160
293	p53-Autophagy-Metastasis Link. <i>Cancers</i> , <b>2018</b> , 10,	6.6	26
292	Caspase-2 is a negative regulator of necroptosis. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2018</b> , 102, 101-108	5.6	14
291	Modulation of Mcl-1 transcription by serum deprivation sensitizes cancer cells to cisplatin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 557-566	4	9
290	Apoptosis regulation by subcellular relocation of caspases. <i>Scientific Reports</i> , <b>2018</b> , 8, 12199	4.9	34
289	Suppressed translation as a mechanism of initiation of CASP8 (caspase 8)-dependent apoptosis in autophagy-deficient NSCLC cells under nutrient limitation. <i>Autophagy</i> , <b>2018</b> , 14, 252-268	10.2	13
288	2-Deoxy-D-glucose has distinct and cell line-specific effects on the survival of different cancer cells upon antitumor drug treatment. <i>FEBS Journal</i> , <b>2018</b> , 285, 4590-4601	5.7	16
287	Alterations in the nucleocytoplasmic transport in apoptosis: Caspases lead the way. <i>Cell Proliferation</i> , <b>2018</b> , 51, e12467	7.9	33
286	Mitophagy: Link to cancer development and therapy. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 482, 432-439	3.4	75
285	Post-translational Modification of Caspases: The Other Side of Apoptosis Regulation. <i>Trends in Cell Biology</i> , <b>2017</b> , 27, 322-339	18.3	63
284	Introduction to Nobel Conference: The Cell Cycle and Cell Death in Disease. <i>Journal of Internal Medicine</i> , <b>2017</b> , 281, 418-421	10.8	
283	Inhibition of P-glycoprotein stimulates cell death under Hypoxia-mimicking conditions. <i>Doklady Biochemistry and Biophysics</i> , <b>2017</b> , 472, 27-30	0.8	2
282	Understanding cell cycle and cell death regulation provides novel weapons against human diseases. <i>Journal of Internal Medicine</i> , <b>2017</b> , 281, 483-495	10.8	44
281	Contrasting effects of glutamine deprivation on apoptosis induced by conventionally used anticancer drugs. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2017</b> , 1864, 498-506	4.9	12
280	Publisher's Note: Chromosomal breaks during mitotic catastrophe trigger H2AX-ATM-p53-mediated apoptosis. J. Cell Sci. doi: 10.1242/jcs.081612. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 3418	5.3	3
279	Mitochondria-targeted betulinic and ursolic acid derivatives: synthesis and anticancer activity. <i>MedChemComm</i> , <b>2017</b> , 8, 1934-1945	5	34

278	Involvement of autophagy in the outcome of mitotic catastrophe. <i>Scientific Reports</i> , <b>2017</b> , 7, 14571	4.9	19
277	Caloric restriction - A promising anti-cancer approach: From molecular mechanisms to clinical trials. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2017</b> , 1867, 29-41	11.2	31
276	Caspase-2: an orphan enzyme out of the shadows. <i>Oncogene</i> , <b>2017</b> , 36, 5441-5444	9.2	12
275	Suppressed translation and ULK1 degradation as potential mechanisms of autophagy limitation under prolonged starvation. <i>Autophagy</i> , <b>2016</b> , 12, 2085-2097	10.2	19
274	Reactive oxygen species regulate a balance between mitotic catastrophe and apoptosis. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2016</b> , 81, 133-136	5.6	6
273	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
272	Mitotic catastrophe and cancer drug resistance: A link that must to be broken. <i>Drug Resistance Updates</i> , <b>2016</b> , 24, 1-12	23.2	56
271	Contrasting effects of cardiac glycosides on cisplatin- and etoposide-induced cell death. <i>Biological Chemistry</i> , <b>2016</b> , 397, 661-70	4.5	4
270	Aberrant DR5 transport through disruption of lysosomal function suggests a novel mechanism for receptor activation. <i>Oncotarget</i> , <b>2016</b> , 7, 58286-58301	3.3	3
269	Ephrin B3 interacts with multiple EphA receptors and drives migration and invasion in non-small cell lung cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 60332-60347	3.3	12
268	Caspase-3-dependent cleavage of Bcl-xL in the stroma exosomes is required for their uptake by hematological malignant cells. <i>Blood</i> , <b>2016</b> , 128, 2655-2665	2.2	25
267	Targeting succinate:ubiquinone reductase potentiates the efficacy of anticancer therapy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 2065-71	4.9	17
266	Tudor staphylococcal nuclease: biochemistry and functions. <i>Cell Death and Differentiation</i> , <b>2016</b> , 23, 1739-1748	17.48	43
265	Nutrient restriction in combinatory therapy of tumors. <i>Molecular Biology</i> , <b>2016</b> , 50, 362-378	1.2	4
264	Role of the nucleus in apoptosis: signaling and execution. <i>Cellular and Molecular Life Sciences</i> , <b>2015</b> , 72, 4593-612	10.3	70
263	Caspase-2: the reinvented enzyme. <i>Oncogene</i> , <b>2015</b> , 34, 1877-82	9.2	19
262	Cell death controlling complexes and their potential therapeutic role. <i>Cellular and Molecular Life Sciences</i> , <b>2015</b> , 72, 505-517	10.3	27
261	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , <b>2015</b> , 22, 58-73	12.7	643

260	Targeted Deletion of Autophagy Genes Atg5 or Atg7 in the Chondrocytes Promotes Caspase-Dependent Cell Death and Leads to Mild Growth Retardation. <i>Journal of Bone and Mineral Research</i> , <b>2015</b> , 30, 2249-61	6.3	56
259	Cell death in cancer therapy of lung adenocarcinoma. <i>International Journal of Developmental Biology</i> , <b>2015</b> , 59, 119-29	1.9	14
258	Calcium and mitochondria in the regulation of cell death. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 460, 72-81	3.4	299
257	Tudor staphylococcal nuclease drives chemoresistance of non-small cell lung carcinoma cells by regulating S100A11. <i>Oncotarget</i> , <b>2015</b> , 6, 12156-73	3.3	21
256	Sorafenib-induced defective autophagy promotes cell death by necroptosis. <i>Oncotarget</i> , <b>2015</b> , 6, 37066-83	3.3	43
255	5-Fluorouracil-induced RNA stress engages a TRAIL-DISC-dependent apoptosis axis facilitated by p53. <i>Oncotarget</i> , <b>2015</b> , 6, 43679-97	3.3	14
254	Analysis of mitochondrial dysfunction during cell death. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1264, 385-93	3.4	7
253	miRNAs in lung cancer: a link to aging. <i>Ageing Research Reviews</i> , <b>2014</b> , 17, 54-67	12	30
252	Free radicals in cross talk between autophagy and apoptosis. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 86-102	8.4	233
251	Inhibition of the mitochondrial pyrimidine biosynthesis enzyme dihydroorotate dehydrogenase by doxorubicin and brequinar sensitizes cancer cells to TRAIL-induced apoptosis. <i>Oncogene</i> , <b>2014</b> , 33, 3538-49	9.2	28
250	Targeting mitochondria by Etocopheryl succinate overcomes hypoxia-mediated tumor cell resistance to treatment. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 2325-33	10.3	15
249	Mesenchymal stem cells and hypoxia: where are we?. <i>Mitochondrion</i> , <b>2014</b> , 19 Pt A, 105-12	4.9	82
248	Mitochondrial substrates in cancer: drivers or passengers?. <i>Mitochondrion</i> , <b>2014</b> , 19 Pt A, 8-19	4.9	12
247	Systems biology approaches to develop innovative strategies for lung cancer therapy. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e1260	9.8	8
246	The scaffold protein WRAP53 orchestrates the ubiquitin response critical for DNA double-strand break repair. <i>Genes and Development</i> , <b>2014</b> , 28, 2726-38	12.6	41
245	Measurement of caspase activation in mammalian cell cultures. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1133, 155-73	1.4	1
244	Caspase-2: What do we know today?. <i>Molecular Biology</i> , <b>2013</b> , 47, 165-180	1.2	6
243	Contrasting effects of Etocopheryl succinate on cisplatin- and etoposide-induced apoptosis. <i>Mitochondrion</i> , <b>2013</b> , 13, 533-8	4.9	13

242	Doxorubicin sensitizes human tumor cells to NK cell- and T-cell-mediated killing by augmented TRAIL receptor signaling. <i>International Journal of Cancer</i> , <b>2013</b> , 133, 1643-52	7.5	39
241	miRNA-214 is related to invasiveness of human non-small cell lung cancer and directly regulates alpha protein kinase 2 expression. <i>Genes Chromosomes and Cancer</i> , <b>2013</b> , 52, 895-911	5	25
240	Autophagy and metacaspase determine the mode of cell death in plants. <i>Journal of Cell Biology</i> , <b>2013</b> , 203, 917-27	7.3	111
239	Various modes of cell death induced by DNA damage. <i>Oncogene</i> , <b>2013</b> , 32, 3789-97	9.2	182
238	Reactive oxygen species generated in different compartments induce cell death, survival, or senescence. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 57, 176-87	7.8	101
237	S100A4 interacts with p53 in the nucleus and promotes p53 degradation. <i>Oncogene</i> , <b>2013</b> , 32, 5531-40	9.2	60
236	5-Fluorouracil signaling through a calcium-calmodulin-dependent pathway is required for p53 activation and apoptosis in colon carcinoma cells. <i>Oncogene</i> , <b>2013</b> , 32, 4529-38	9.2	34
235	Determining the contributions of caspase-2, caspase-8 and effector caspases to intracellular VDADase activities during apoptosis initiation and execution. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 2279-92	4.9	15
234	Low ATP level is sufficient to maintain the uncommitted state of multipotent mesenchymal stem cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 4418-25	4	39
233	Autophagy in toxicology: cause or consequence?. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2013</b> , 53, 275-97	17.9	49
232	Inhibition of Ephrin B3-mediated survival signaling contributes to increased cell death response of non-small cell lung carcinoma cells after combined treatment with ionizing radiation and PKC 412. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e454	9.8	17
231	Upregulation of c-FLIP-short in response to TRAIL promotes survival of NSCLC cells, which could be suppressed by inhibition of Ca <sup>2+</sup> /calmodulin signaling. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e522	9.8	18
230	Caspase-2 promotes cytoskeleton protein degradation during apoptotic cell death. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e940	9.8	15
229	Targeting hepatoma using nitric oxide donor strategies. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 18, 491-506	9.6	19
228	Understanding Different Types of Cell Death Using Systems Biology <b>2012</b> , 125-143		1
227	Etoposide and hypoxia do not activate apoptosis of multipotent mesenchymal stromal cells in vitro. <i>Bulletin of Experimental Biology and Medicine</i> , <b>2012</b> , 154, 141-4	0.8	3
226	Structural characterization, solution stability, and potential health and environmental effects of the Nano-TiO <sub>2</sub> bioencapsulation matrix and the model product of its biodegradation TiBALDH. <i>RSC Advances</i> , <b>2012</b> , 2, 4228	3.7	20
225	Proteases in autophagy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2012</b> , 1824, 44-50	4	130

224	Different Modes of Cell Death Induced by DNA Damage. <i>Issues in Toxicology</i> , <b>2012</b> , 239-265	0.3	1
223	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544	4.2	2783
222	Citrate kills tumor cells through activation of apical caspases. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 4229-37	10.3	31
221	miRNA-214 modulates radiotherapy response of non-small cell lung cancer cells through regulation of p38MAPK, apoptosis and senescence. <i>British Journal of Cancer</i> , <b>2012</b> , 107, 1361-73	8.7	91
220	Molecular definitions of cell death subroutines: recommendations of the Nomenclature Committee on Cell Death 2012. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 107-20	12.7	1843
219	Knock-down of core proteins regulating microRNA biogenesis has no effect on sensitivity of lung cancer cells to ionizing radiation. <i>PLoS ONE</i> , <b>2012</b> , 7, e33134	3.7	14
218	Sensitization of (colon) cancer cells to death receptor related therapies: a report from the FP6-ONCODEATH research consortium. <i>Cancer Biology and Therapy</i> , <b>2012</b> , 13, 458-66	4.6	4
217	Cytochrome c: the Achilles Heel in apoptosis. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 1787-97	10.3	65
216	Suppression of basal autophagy reduces lung cancer cell proliferation and enhances caspase-dependent and -independent apoptosis by stimulating ROS formation. <i>Autophagy</i> , <b>2012</b> , 8, 1032-44	10.2	130
215	Targeting mitochondria by Trocopheryl succinate kills neuroblastoma cells irrespective of MycN oncogene expression. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 2091-9	10.3	19
214	Back to Stockholm for Metabolism, epigenetics and cell death. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 909-12	12.7	
213	Sorafenib has potent antitumor activity against multiple myeloma in vitro, ex vivo, and in vivo in the 5T33MM mouse model. <i>Cancer Research</i> , <b>2012</b> , 72, 5348-62	10.1	42
212	Mitochondrial Involvement in the Execution of Cell Death. <i>Oxidative Stress and Disease</i> , <b>2012</b> , 13-33		
211	Systems Biology Analysis of Cell Death Pathways in Cancer: How Collaborative and Interdisciplinary Research Helps <b>2011</b> , 267-296		1
210	Phosphoproteomic profiling of NSCLC cells reveals that ephrin B3 regulates pro-survival signaling through Akt1-mediated phosphorylation of the EphA2 receptor. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 2566-78	5.6	26
209	Transcription factor GABP/NRF-2 controlling biogenesis of mitochondria regulates basal expression of peroxiredoxin V but the mitochondrial function of peroxiredoxin V is dispensable in the dog. <i>Biochimie</i> , <b>2011</b> , 93, 306-13	4.6	8
208	Cell death mechanisms and their implications in toxicology. <i>Toxicological Sciences</i> , <b>2011</b> , 119, 3-19	4.4	272
207	Caspases and cancer. <i>Cell Death and Differentiation</i> , <b>2011</b> , 18, 1441-9	12.7	263



206	Morphological classification of plant cell deaths. <i>Cell Death and Differentiation</i> , <b>2011</b> , 18, 1241-6	12.7	401
205	Hsp72 mediates TRAIL anti-apoptotic effects in small cell lung carcinoma cells. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 1757-68	5.6	5
204	Mitochondrial targeting of Trolox succinate enhances its pro-apoptotic efficacy: a new paradigm for effective cancer therapy. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 50, 1546-55	7.8	91
203	Calcium and cell death mechanisms: a perspective from the cell death community. <i>Cell Calcium</i> , <b>2011</b> , 50, 211-21	4	325
202	Combined inhibition of DNA methyltransferase and histone deacetylase restores caspase-8 expression and sensitizes SCLC cells to TRAIL. <i>Carcinogenesis</i> , <b>2011</b> , 32, 1450-8	4.6	64
201	A quantitative assay for the monitoring of autophagosome accumulation in different phases of the cell cycle. <i>Autophagy</i> , <b>2011</b> , 7, 83-90	10.2	55
200	Chromosomal breaks during mitotic catastrophe trigger BAX-ATM-p53-mediated apoptosis. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 2951-63	5.3	51
199	To kill or be killed: how viruses interact with the cell death machinery. <i>Journal of Internal Medicine</i> , <b>2010</b> , 267, 473-82	10.8	70
198	Cell cycle and cell death in disease: past, present and future. <i>Journal of Internal Medicine</i> , <b>2010</b> , 268, 395-409	4.9	46
197	Critical role for hyperpolarization-activated cyclic nucleotide-gated channel 2 in the AIF-mediated apoptosis. <i>EMBO Journal</i> , <b>2010</b> , 29, 3869-78	13	30
196	Aspasing out metacaspases and caspases: proteases of many trades. <i>Science Signaling</i> , <b>2010</b> , 3, pe48	8.8	16
195	Mathematical modelling of cell-fate decision in response to death receptor engagement. <i>PLoS Computational Biology</i> , <b>2010</b> , 6, e1000702	5	140
194	Doxorubicin and etoposide sensitize small cell lung carcinoma cells expressing caspase-8 to TRAIL. <i>Molecular Cancer</i> , <b>2010</b> , 9, 87	42.1	32
193	The Warburg effect and mitochondrial stability in cancer cells. <i>Molecular Aspects of Medicine</i> , <b>2010</b> , 31, 60-74	16.7	158
192	Mitochondrial regulation of cell death: processing of apoptosis-inducing factor (AIF). <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 396, 95-100	3.4	202
191	Gene expression profiling of erythroblasts from refractory anaemia with ring sideroblasts (RARS) and effects of G-CSF. <i>British Journal of Haematology</i> , <b>2010</b> , 149, 844-54	4.5	25
190	The unpredictable caspase-2: what can it do?. <i>Trends in Cell Biology</i> , <b>2010</b> , 20, 150-9	18.3	86
189	Oxidative modification sensitizes mitochondrial apoptosis-inducing factor to calpain-mediated processing. <i>Free Radical Biology and Medicine</i> , <b>2010</b> , 48, 791-7	7.8	60

188	Cell death mechanisms: cross-talk and role in disease. <i>Experimental Cell Research</i> , <b>2010</b> , 316, 1374-83	4.2	72
187	Involvement of Ca <sup>2+</sup> and ROS in alpha-tocopheryl succinate-induced mitochondrial permeabilization. <i>International Journal of Cancer</i> , <b>2010</b> , 127, 1823-32	7.5	46
186	Epiphyseal fusion in the human growth plate does not involve classical apoptosis. <i>Pediatric Research</i> , <b>2009</b> , 66, 654-9	3.2	15
185	Protein kinase C-dependent phosphorylation regulates the cell cycle-inhibitory function of the p73 carboxy terminus transactivation domain. <i>Molecular and Cellular Biology</i> , <b>2009</b> , 29, 1814-25	4.8	15
184	Mitochondria as targets for cancer chemotherapy. <i>Seminars in Cancer Biology</i> , <b>2009</b> , 19, 57-66	12.7	133
183	Mitochondria as targets for chemotherapy. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2009</b> , 14, 624-40	5.4	99
182	Clinical perspectives of cell death: where we are and where to go. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2009</b> , 14, 333-5	5.4	5
181	Classification of cell death: recommendations of the Nomenclature Committee on Cell Death 2009. <i>Cell Death and Differentiation</i> , <b>2009</b> , 16, 3-11	12.7	2114
180	Adenine nucleotide translocase: a component of the phylogenetically conserved cell death machinery. <i>Cell Death and Differentiation</i> , <b>2009</b> , 16, 1419-25	12.7	84
179	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. <i>Cell Death and Differentiation</i> , <b>2009</b> , 16, 1093-107	12.7	533
178	Cell death induced by dexamethasone in lymphoid leukemia is mediated through initiation of autophagy. <i>Cell Death and Differentiation</i> , <b>2009</b> , 16, 1018-29	12.7	173
177	Mitochondrial targeting of tBid/Bax: a role for the TOM complex?. <i>Cell Death and Differentiation</i> , <b>2009</b> , 16, 1075-82	12.7	74
176	Tudor staphylococcal nuclease is an evolutionarily conserved component of the programmed cell death degradome. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 1347-54	23.4	163
175	DISC-mediated activation of caspase-2 in DNA damage-induced apoptosis. <i>Oncogene</i> , <b>2009</b> , 28, 1949-59	9.2	68
174	Coding polymorphisms in Casp5, Casp8 and DR4 genes may play a role in predisposition to lung cancer. <i>Cancer Letters</i> , <b>2009</b> , 278, 183-191	9.9	30
173	An increase in intracellular Ca <sup>2+</sup> is required for the activation of mitochondrial calpain to release AIF during cell death. <i>Cell Death and Differentiation</i> , <b>2008</b> , 15, 1857-64	12.7	117
172	Death through a tragedy: mitotic catastrophe. <i>Cell Death and Differentiation</i> , <b>2008</b> , 15, 1153-62	12.7	447
171	PRIMA-1MET induces mitochondrial apoptosis through activation of caspase-2. <i>Oncogene</i> , <b>2008</b> , 27, 6571-80	12.8	45

170	P73 and caspase-cleaved p73 fragments localize to mitochondria and augment TRAIL-induced apoptosis. <i>Oncogene</i> , <b>2008</b> , 27, 4363-72	9.2	55
169	DNA damage induces two distinct modes of cell death in ovarian carcinomas. <i>Cell Death and Differentiation</i> , <b>2008</b> , 15, 555-66	12.7	116
168	Hypomethylation and apoptosis in 5-azacytidine-treated myeloid cells. <i>Experimental Hematology</i> , <b>2008</b> , 36, 149-57	3.1	55
167	Mitochondria in cancer cells: what is so special about them?. <i>Trends in Cell Biology</i> , <b>2008</b> , 18, 165-73	18.3	478
166	Caspases: determination of their activities in apoptotic cells. <i>Methods in Enzymology</i> , <b>2008</b> , 442, 157-81	1.7	43
165	Caspase-2 activation in neural stem cells undergoing oxidative stress-induced apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2008</b> , 13, 354-63	5.4	49
164	Role of cardiolipin in cytochrome c release from mitochondria. <i>Cell Death and Differentiation</i> , <b>2007</b> , 14, 1243-7	12.7	152
163	Participation of FLIP, RIP and Bcl-x(L) in Fas-mediated T-cell death. <i>Scandinavian Journal of Immunology</i> , <b>2007</b> , 66, 410-21	3.4	3
162	Mitochondrial targeting of human peroxiredoxin V protein and regulation of PRDX5 gene expression by nuclear transcription factors controlling biogenesis of mitochondria. <i>FEBS Journal</i> , <b>2007</b> , 274, 5804-14	5.7	35
161	Mitochondrial oxidative stress: implications for cell death. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2007</b> , 47, 143-83	17.9	922
160	Alteration of mitochondrial function and cell sensitization to death. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2007</b> , 39, 23-30	3.7	32
159	Mitochondria, oxidative stress and cell death. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2007</b> , 12, 913-22	5.4	1418
158	The mitochondrial TOM complex is required for tBid/Bax-induced cytochrome c release. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 27633-9	5.4	57
157	Dexamethasone-induced apoptosis in acute lymphoblastic leukemia involves differential regulation of Bcl-2 family members. <i>Haematologica</i> , <b>2007</b> , 92, 1460-9	6.6	48
156	Drug-induced death of the asexual blood stages of Plasmodium falciparum occurs without typical signs of apoptosis. <i>Microbes and Infection</i> , <b>2006</b> , 8, 1560-8	9.3	38
155	Inhibitors of the PI3-kinase/Akt pathway induce mitotic catastrophe in non-small cell lung cancer cells. <i>International Journal of Cancer</i> , <b>2006</b> , 119, 1028-38	7.5	36
154	Role of alterations in the apoptotic machinery in sensitivity of cancer cells to treatment. <i>Current Pharmaceutical Design</i> , <b>2006</b> , 12, 4411-25	3.3	76
153	Multiple pathways of cytochrome c release from mitochondria in apoptosis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2006</b> , 1757, 639-47	4.6	321

152	Carcinogenesis and apoptosis: paradigms and paradoxes. <i>Carcinogenesis</i> , <b>2006</b> , 27, 1939-45	4.6	68
151	Peroxiredoxin V is essential for protection against apoptosis in human lung carcinoma cells. <i>Experimental Cell Research</i> , <b>2006</b> , 312, 2806-15	4.2	59
150	The future of toxicology--does it matter how cells die?. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 729-33		17
149	Constitutive expression of the human peroxiredoxin V gene contributes to protection of the genome from oxidative DNA lesions and to suppression of transcription of noncoding DNA. <i>FEBS Journal</i> , <b>2006</b> , 273, 2607-17	5.7	36
148	Early mitochondrial alterations in ATRA-induced cell death. <i>Cell Death and Differentiation</i> , <b>2006</b> , 13, 119-28	7	31
147	The role of p73 in hematological malignancies. <i>Leukemia</i> , <b>2006</b> , 20, 757-66	10.7	35
146	Functional connection between p53 and caspase-2 is essential for apoptosis induced by DNA damage. <i>Oncogene</i> , <b>2006</b> , 25, 5683-92	9.2	85
145	Inhibition of Mammalian thioredoxin reductase by some flavonoids: implications for myricetin and quercetin anticancer activity. <i>Cancer Research</i> , <b>2006</b> , 66, 4410-8	10.1	246
144	PKC 412 sensitizes U1810 non-small cell lung cancer cells to DNA damage. <i>Experimental Cell Research</i> , <b>2005</b> , 305, 200-13	4.2	18
143	Mitochondria and Oxidation in the Regulation of Cell Death <b>2005</b> , 381-401		
142	Caspase-2 function in response to DNA damage. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 331, 859-67	3.4	167
141	Apoptotic pathways and therapy resistance in human malignancies. <i>Advances in Cancer Research</i> , <b>2005</b> , 94, 143-96	5.9	73
140	Aberrant mitochondrial iron distribution and maturation arrest characterize early erythroid precursors in low-risk myelodysplastic syndromes. <i>Blood</i> , <b>2005</b> , 106, 247-53	2.2	86
139	Classification of cell death: recommendations of the Nomenclature Committee on Cell Death. <i>Cell Death and Differentiation</i> , <b>2005</b> , 12 Suppl 2, 1463-7	12.7	529
138	Antiapoptotic role of growth factors in the myelodysplastic syndromes: concordance between in vitro and in vivo observations. <i>Clinical Cancer Research</i> , <b>2005</b> , 11, 6291-9	12.9	32
137	Cysteine protease mcll-Pa executes programmed cell death during plant embryogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 14463-8	11.5	207
136	The HPV-16 E7 oncogene sensitizes malignant cells to IFN-alpha-induced apoptosis. <i>Journal of Interferon and Cytokine Research</i> , <b>2005</b> , 25, 63-72	3.5	6
135	Doxorubicin requires the sequential activation of caspase-2, protein kinase Cdelta, and c-Jun NH2-terminal kinase to induce apoptosis. <i>Molecular Biology of the Cell</i> , <b>2005</b> , 16, 3821-31	3.5	92

134	Full-length p73alpha represses drug-induced apoptosis in small cell lung carcinoma cells. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 34159-69	5.4	26
133	Apoptosis, Necrosis and Between. <i>Cell Cycle</i> , <b>2004</b> , 3, 63-65	4.7	25
132	RasGTPase-activating protein is a target of caspases in spontaneous apoptosis of lung carcinoma cells and in response to etoposide. <i>Carcinogenesis</i> , <b>2004</b> , 25, 909-21	4.6	9
131	Interferon alpha-induced apoptosis in tumor cells is mediated through the phosphoinositide 3-kinase/mammalian target of rapamycin signaling pathway. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 24152-62	5.4	89
130	Caspase-2 permeabilizes the outer mitochondrial membrane and disrupts the binding of cytochrome c to anionic phospholipids. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 49575-8	5.4	89
129	Adiponectin-induced antiangiogenesis and antitumor activity involve caspase-mediated endothelial cell apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 2476-81	11.5	586
128	Guarding the Bcl-2 army. <i>Cancer Biology and Therapy</i> , <b>2004</b> , 3, 348-50	4.6	
127	Mitochondrial cytochrome c release may occur by volume-dependent mechanisms not involving permeability transition. <i>Biochemical Journal</i> , <b>2004</b> , 378, 213-7	3.8	54
126	Apoptosis and genomic instability. <i>Nature Reviews Molecular Cell Biology</i> , <b>2004</b> , 5, 752-62	48.7	234
125	VEIDase is a principal caspase-like activity involved in plant programmed cell death and essential for embryonic pattern formation. <i>Cell Death and Differentiation</i> , <b>2004</b> , 11, 175-82	12.7	120
124	Processed caspase-2 can induce mitochondria-mediated apoptosis independently of its enzymatic activity. <i>EMBO Reports</i> , <b>2004</b> , 5, 643-8	6.5	113
123	DNA damage-induced apoptosis. <i>Oncogene</i> , <b>2004</b> , 23, 2797-808	9.2	514
122	Apoptosis-inducing factor determines the chemoresistance of non-small-cell lung carcinomas. <i>Oncogene</i> , <b>2004</b> , 23, 6282-91	9.2	86
121	Metacaspase-dependent programmed cell death is essential for plant embryogenesis. <i>Current Biology</i> , <b>2004</b> , 14, R339-40	6.3	170
120	The transcriptosomal response of human A549 lung cells to a hydrogen peroxide-generating system: relationship to DNA damage, cell cycle arrest, and caspase activation. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 36, 881-96	7.8	51
119	Analysis of mitochondrial dysfunction during cell death. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , <b>2004</b> , Chapter 2, Unit2.10	1	2
118	Downregulation of peroxiredoxin V stimulates formation of etoposide-induced double-strand DNA breaks. <i>FEBS Letters</i> , <b>2004</b> , 572, 75-9	3.8	31
117	Endogenously released Smac is insufficient to mediate cell death of human lung carcinoma in response to etoposide. <i>Experimental Cell Research</i> , <b>2004</b> , 298, 83-95	4.2	22

116	Endothelial cell surface ATP synthase-triggered caspase-apoptotic pathway is essential for k1-5-induced antiangiogenesis. <i>Cancer Research</i> , <b>2004</b> , 64, 3679-86	10.1	73
115	Erythropoiesis Is Highly Stimulated in CD34+ Cells in Low-Risk Myelodysplastic Syndromes (MDS) with an Improper Mitochondrial Function.. <i>Blood</i> , <b>2004</b> , 104, 473-473	2.2	
114	Apoptosis, necrosis and between. <i>Cell Cycle</i> , <b>2004</b> , 3, 64-6	4.7	12
113	More than one road to kill tumor cells--why are they not always successful?. <i>Cell Cycle</i> , <b>2003</b> , 2, 31-3	4.7	5
112	Heat Shock Protein 72 Does Not Modulate Ionizing Radiation-Induced Apoptosis in U1810 Non-Small Cell Lung Carcinoma Cells. <i>Cancer Biology and Therapy</i> , <b>2003</b> , 2, 662-668	4.6	20
111	Granulocyte colony-stimulating factor inhibits spontaneous cytochrome c release and mitochondria-dependent apoptosis of myelodysplastic syndrome hematopoietic progenitors. <i>Blood</i> , <b>2003</b> , 101, 1080-6	2.2	106
110	Defects in the apoptotic machinery of cancer cells: role in drug resistance. <i>Seminars in Cancer Biology</i> , <b>2003</b> , 13, 125-34	12.7	53
109	Regulation of cell death: the calcium-apoptosis link. <i>Nature Reviews Molecular Cell Biology</i> , <b>2003</b> , 4, 552-615	15.7	2265
108	Analysis of mitochondrial dysfunction during cell death. <i>Current Protocols in Cell Biology</i> , <b>2003</b> , Chapter 18, Unit 18.5	2.3	7
107	Effects of 9-beta-D-arabinofuranosylguanine on mitochondria in CEM T-lymphoblast leukemia cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 307, 942-7	3.4	8
106	Defective stress kinase and Bak activation in response to ionizing radiation but not cisplatin in a non-small cell lung carcinoma cell line. <i>Experimental Cell Research</i> , <b>2003</b> , 289, 256-64	4.2	31
105	Caspases: the enzymes of death. <i>Essays in Biochemistry</i> , <b>2003</b> , 39, 25-40	7.6	43
104	Heat shock protein 72 does not modulate ionizing radiation-induced apoptosis in U1810 non-small cell lung carcinoma cells. <i>Cancer Biology and Therapy</i> , <b>2003</b> , 2, 663-9	4.6	5
103	Evaluation of caspase activity in apoptotic cells. <i>Journal of Immunological Methods</i> , <b>2002</b> , 265, 97-110	2.5	150
102	A matrix-assisted laser desorption ionization post-source decay (MALDI-PSD) analysis of proteins released from isolated liver mitochondria treated with recombinant truncated Bid. <i>Cell Death and Differentiation</i> , <b>2002</b> , 9, 301-8	12.7	76
101	From the nematode and mammals back to the pine tree: on the diversity and evolution of programmed cell death. <i>Cell Death and Differentiation</i> , <b>2002</b> , 9, 867-9	12.7	20
100	Cell death in adult neural stem cells. <i>Cell Death and Differentiation</i> , <b>2002</b> , 9, 1377-8	12.7	31
99	Mitochondrial dysfunction is an essential step for killing of non-small cell lung carcinomas resistant to conventional treatment. <i>Oncogene</i> , <b>2002</b> , 21, 65-77	9.2	105

98	Mechanisms of Interferon-alpha induced apoptosis in malignant cells. <i>Oncogene</i> , <b>2002</b> , 21, 1251-62	9.2	183
97	Caspase-2 acts upstream of mitochondria to promote cytochrome c release during etoposide-induced apoptosis. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 29803-9	5.4	323
96	New Methodology Is a Key to Progress. <i>Cell Cycle</i> , <b>2002</b> , 1, 110-112	4.7	3
95	Expression of Caspase-3 and -7 Does Not Correlate with the Extent of Apoptosis in Primary Breast Carcinomas. <i>Cell Cycle</i> , <b>2002</b> , 1, 326-331	4.7	16
94	Expression of inhibitor of apoptosis proteins in small- and non-small-cell lung carcinoma cells. <i>Experimental Cell Research</i> , <b>2002</b> , 279, 277-90	4.2	45
93	Cytochrome c release from mitochondria proceeds by a two-step process. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 1259-63	11.5	764
92	Apoptosis in refractory anaemia with ringed sideroblasts is initiated at the stem cell level and associated with increased activation of caspases. <i>British Journal of Haematology</i> , <b>2001</b> , 112, 714-26	4.5	47
91	Characterization of the human FLICE-inhibitory protein locus and comparison of the anti-apoptotic activity of four different flip isoforms. <i>Scandinavian Journal of Immunology</i> , <b>2001</b> , 54, 180-9	3.4	56
90	A folding variant of human alpha-lactalbumin induces mitochondrial permeability transition in isolated mitochondria. <i>FEBS Journal</i> , <b>2001</b> , 268, 186-91		68
89	Death receptor-induced apoptotic and necrotic cell death: differential role of caspases and mitochondria. <i>Cell Death and Differentiation</i> , <b>2001</b> , 8, 829-40	12.7	180
88	Granulocyte colony-stimulating factor inhibits Fas-triggered apoptosis in bone marrow cells isolated from patients with refractory anemia with ringed sideroblasts. <i>Leukemia</i> , <b>2001</b> , 15, 742-51	10.7	33
87	Defective caspase-3 relocalization in non-small cell lung carcinoma. <i>Oncogene</i> , <b>2001</b> , 20, 2877-88	9.2	64
86	Methylmercury and H <sub>2</sub> O <sub>2</sub> provoke lysosomal damage in human astrocytoma D384 cells followed by apoptosis. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 30, 1347-56	7.8	64
85	Effects of serum from patients with type 1 diabetes on primary cerebellar granule cells. <i>Diabetes</i> , <b>2001</b> , 50 Suppl 1, S77-81	0.9	5
84	Cytochrome c release occurs via Ca <sup>2+</sup> -dependent and Ca <sup>2+</sup> -independent mechanisms that are regulated by Bax. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 19066-71	5.4	163
83	Role of apoptosis in pancreatic beta-cell death in diabetes. <i>Diabetes</i> , <b>2001</b> , 50 Suppl 1, S44-7	0.9	88
82	Current concepts in cell death. <i>Current Protocols in Cell Biology</i> , <b>2001</b> , Chapter 18, Unit 18.1	2.3	2
81	High-LET radiation induces apoptosis in lymphoblastoid cell lines derived from ataxia-telangiectasia patients. <i>International Journal of Radiation Biology</i> , <b>2001</b> , 77, 309-17	2.9	18

80	Current concepts in cell toxicity. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2001</b> , Chapter 2, Unit 2.1	1	
79	Determination of apoptosis and necrosis. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , <b>2001</b> , Chapter 2, Unit 2.2	1	10
78	Role of apoptosis in the response of lung carcinomas to anti-cancer treatment. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 926, 204-16	6.5	34
77	The Potential Role of Apoptosis in Human Disease. <i>Medical Principles and Practice</i> , <b>2000</b> , 9, 151-163	2.1	5
76	Antioxidants J811 and 17beta-estradiol protect cerebellar granule cells from methylmercury-induced apoptotic cell death. <i>Journal of Neuroscience Research</i> , <b>2000</b> , 62, 557-65	4.4	87
75	The most unkindest cut of all: on the multiple roles of mammalian caspases. <i>Leukemia</i> , <b>2000</b> , 14, 1514-25	10.7	86
74	Separation of cytochrome c-dependent caspase activation from thiol-disulfide redox change in cells lacking mitochondrial DNA. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 29, 334-42	7.8	43
73	Freezing induces artificial cleavage of apoptosis-related proteins in human bone marrow cells. <i>Journal of Immunological Methods</i> , <b>2000</b> , 245, 91-4	2.5	47
72	Distinct pathways for stimulation of cytochrome c release by etoposide. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 32438-43	5.4	118
71	Review: nuclear events in apoptosis. <i>Journal of Structural Biology</i> , <b>2000</b> , 129, 346-58	3.4	233
70	Two waves of programmed cell death occur during formation and development of somatic embryos in the gymnosperm, Norway spruce. <i>Journal of Cell Science</i> , <b>2000</b> , 113, 4399-4411	5.3	168
69	Two waves of programmed cell death occur during formation and development of somatic embryos in the gymnosperm, Norway spruce. <i>Journal of Cell Science</i> , <b>2000</b> , 113 Pt 24, 4399-411	5.3	75
68	All along the watchtower: on the regulation of apoptosis regulators. <i>FASEB Journal</i> , <b>1999</b> , 13, 1647-57	0.9	127
67	Cytochrome c release and caspase-3 activation during colchicine-induced apoptosis of cerebellar granule cells. <i>European Journal of Neuroscience</i> , <b>1999</b> , 11, 1067-72	3.5	65
66	Androgen treatment of neonatal rats decreases susceptibility of cerebellar granule neurons to oxidative stress in vitro. <i>European Journal of Neuroscience</i> , <b>1999</b> , 11, 1285-91	3.5	65
65	Apoptosis: cell death defined by caspase activation. <i>Cell Death and Differentiation</i> , <b>1999</b> , 6, 495-6	12.7	172
64	Caspases: their intracellular localization and translocation during apoptosis. <i>Cell Death and Differentiation</i> , <b>1999</b> , 6, 644-51	12.7	284
63	Ultrarapid caspase-3 dependent apoptosis induction by serine/threonine phosphatase inhibitors. <i>Cell Death and Differentiation</i> , <b>1999</b> , 6, 1099-108	12.7	112



62	Cleavage of Bcl-2 is an early event in chemotherapy-induced apoptosis of human myeloid leukemia cells. <i>Leukemia</i> , <b>1999</b> , 13, 719-28	10.7	93
61	Application of a fluorometric assay to detect caspase activity in thymus tissue undergoing apoptosis in vivo. <i>Journal of Immunological Methods</i> , <b>1999</b> , 226, 43-8	2.5	45
60	Two pathways of apoptosis induced with all-trans retinoic acid and etoposide in the myeloid cell line P39. <i>Experimental Hematology</i> , <b>1999</b> , 27, 1322-9	3.1	21
59	Radical scavenging compound J 811 inhibits hydrogen peroxide-induced death of cerebellar granule cells. <i>Journal of Neuroscience Research</i> , <b>1999</b> , 56, 420-6	4.4	22
58	Epstein-Barr virus-transformed lymphoblastoid cell lines of ataxia telangiectasia patients are defective in X-ray-induced apoptosis. <i>International Journal of Radiation Biology</i> , <b>1999</b> , 75, 709-16	2.9	10
57	DNA-dependent protein kinase content and activity in lung carcinoma cell lines: correlation with intrinsic radiosensitivity. <i>European Journal of Cancer</i> , <b>1999</b> , 35, 111-6	7.5	52
56	Release of adenylate kinase 2 from the mitochondrial intermembrane space during apoptosis. <i>FEBS Letters</i> , <b>1999</b> , 447, 10-2	3.8	86
55	Presence of a pre-apoptotic complex of pro-caspase-3, Hsp60 and Hsp10 in the mitochondrial fraction of jurkat cells. <i>EMBO Journal</i> , <b>1999</b> , 18, 2040-8	13	395
54	Multimeric alpha-lactalbumin from human milk induces apoptosis through a direct effect on cell nuclei. <i>Experimental Cell Research</i> , <b>1999</b> , 246, 451-60	4.2	82
53	Tumor radiosensitivity and apoptosis. <i>Experimental Cell Research</i> , <b>1999</b> , 248, 10-7	4.2	121
52	Protease activation in apoptosis induced by MAL. <i>Experimental Cell Research</i> , <b>1999</b> , 249, 260-8	4.2	60
51	A comparative study of apoptosis and necrosis in HepG2 cells: oxidant-induced caspase inactivation leads to necrosis. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 255, 6-11	3.4	174
50	Differences in expression of pro-caspases in small cell and non-small cell lung carcinoma. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 262, 381-7	3.4	71
49	Apoptosis in human disease: a new skin for the old ceremony?. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 266, 699-717	3.4	196
48	Radical scavenging compound J 811 inhibits hydrogen peroxide-induced death of cerebellar granule cells <b>1999</b> , 56, 420		1
47	Injected cytochrome c induces apoptosis. <i>Nature</i> , <b>1998</b> , 391, 449-50	50.4	275
46	Apoptosis induced by microinjection of cytochrome c is caspase-dependent and is inhibited by Bcl-2. <i>Cell Death and Differentiation</i> , <b>1998</b> , 5, 660-8	12.7	83
45	Detection of pro-caspase-3 in cytosol and mitochondria of various tissues. <i>FEBS Letters</i> , <b>1998</b> , 431, 167-93.8	93.8	70

44	Higher spontaneous apoptotic index in small cell compared with non-small cell lung carcinoma cell lines; lack of correlation with Bcl-2/Bax. <i>Lung Cancer</i> , <b>1998</b> , 22, 1-13	5.9	37
43	Glucose and tolbutamide induce apoptosis in pancreatic beta-cells. A process dependent on intracellular Ca <sup>2+</sup> concentration. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 33501-7	5.4	280
42	Termination of lactation induces apoptosis and alters the expression of the Bcl-2 family members in the rat anterior pituitary. <i>Endocrinology</i> , <b>1998</b> , 139, 2465-71	4.8	34
41	Importance of the redox state of cytochrome c during caspase activation in cytosolic extracts. <i>Biochemical Journal</i> , <b>1998</b> , 329 ( Pt 1), 95-9	3.8	112
40	Spontaneous and radiation-induced apoptosis in lung carcinoma cells with different intrinsic radiosensitivities. <i>Anticancer Research</i> , <b>1998</b> , 18, 695-9	2.3	22
39	Apoptosis in rat hippocampal dentate gyrus after intraventricular colchicine. <i>NeuroReport</i> , <b>1997</b> , 8, 3779-83	4.3	23
38	Mechanism of dithiocarbamate inhibition of apoptosis: thiol oxidation by dithiocarbamate disulfides directly inhibits processing of the caspase-3 proenzyme. <i>Chemical Research in Toxicology</i> , <b>1997</b> , 10, 636-43	4	130
37	Cell death in human atherosclerotic plaques involves both oncosis and apoptosis. <i>Atherosclerosis</i> , <b>1997</b> , 130, 17-27	3.1	139
36	Involvement of cellular proteolytic machinery in apoptosis. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 230, 481-8	3.4	169
35	Two different proteases are involved in the proteolysis of lamin during apoptosis. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 233, 96-101	3.4	50
34	Response to radiotherapy of human uterine cervix carcinoma is not correlated with rearrangements of the Ha-ras-1 and/or c-myc genes. <i>European Journal of Cancer</i> , <b>1997</b> , 33, 942-9	7.5	4
33	AMPA neurotoxicity in cultured cerebellar granule neurons: mode of cell death. <i>Brain Research Bulletin</i> , <b>1997</b> , 43, 393-403	3.9	45
32	The role of proteolysis in T cell apoptosis triggered by chelation of intracellular Zn <sup>2+</sup> . <i>Cell Death and Differentiation</i> , <b>1997</b> , 4, 39-50	12.7	13
31	Inorganic mercury modifies Ca <sup>2+</sup> signals, triggers apoptosis and potentiates NMDA toxicity in cerebellar granule neurons. <i>Cell Death and Differentiation</i> , <b>1997</b> , 4, 317-24	12.7	21
30	Proteases in Fas-mediated apoptosis. <i>Journal of Cellular Biochemistry</i> , <b>1997</b> , 64, 43-49	4.7	11
29	Proteases in Fas-mediated apoptosis. <i>Journal of Cellular Biochemistry</i> , <b>1997</b> , 64, 43-9	4.7	3
28	Cytoskeletal breakdown and apoptosis elicited by NO donors in cerebellar granule cells require NMDA receptor activation. <i>Journal of Neurochemistry</i> , <b>1996</b> , 67, 2484-93	6	112
27	Apoptosis--molecular mechanisms and biomedical implications. <i>Molecular Aspects of Medicine</i> , <b>1996</b> , 17, 1-110	16.7	84

26	BCL-2 delay apoptosis and PARP cleavage induced by NO donors in GT1-7 cells. <i>NeuroReport</i> , <b>1996</b> , 8, 273-6	1.7	30
25	Lamin and beta-tubulin fragmentation precede chromatin degradation in glutamate-induced neuronal apoptosis. <i>NeuroReport</i> , <b>1996</b> , 7, 2659-64	1.7	29
24	Proteases in apoptosis. <i>Experientia</i> , <b>1996</b> , 52, 968-78		49
23	Characterization of human buccal epithelial cells transfected with the simian virus 40 T-antigen gene. <i>Carcinogenesis</i> , <b>1995</b> , 16, 2515-21	4.6	33
22	Glutamate-induced neuronal death: a succession of necrosis or apoptosis depending on mitochondrial function. <i>Neuron</i> , <b>1995</b> , 15, 961-73	13.9	1661
21	Multiple proteases are involved in thymocyte apoptosis. <i>Experimental Cell Research</i> , <b>1995</b> , 221, 404-12	4.2	81
20	Apoptosis induced by a human milk protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 8064-8	11.5	310
19	Role of nucleases in apoptosis. <i>International Archives of Allergy and Immunology</i> , <b>1994</b> , 105, 333-8	3.7	47
18	Nuclear calcium transport and the role of calcium in apoptosis. <i>Cell Calcium</i> , <b>1994</b> , 16, 279-88	4	171
17	Involvement of Ca <sup>2+</sup> in the formation of high molecular weight DNA fragments in thymocyte apoptosis. <i>Biochemical and Biophysical Research Communications</i> , <b>1994</b> , 202, 120-7	3.4	65
16	Formation of 50 kbp chromatin fragments in isolated liver nuclei is mediated by protease and endonuclease activation. <i>FEBS Letters</i> , <b>1994</b> , 351, 150-4	3.8	78
15	Ion Signalling in Apoptosis <b>1994</b> , 97-115		8
14	Ca <sup>2+</sup> and endonuclease activation in radiation-induced lymphoid cell death. <i>Experimental Cell Research</i> , <b>1993</b> , 207, 163-70	4.2	53
13	Determination of some nuclear deoxyribonucleases in X-irradiated rat thymocytes. <i>Radiation and Environmental Biophysics</i> , <b>1992</b> , 31, 123-32	2	7
12	Nuclear protein synthesis in thymocytes of X-irradiated rats. <i>International Journal of Radiation Biology</i> , <b>1988</b> , 54, 999-1006	2.9	5
11	Degree of chromatin fragmentation and frequency of nuclear pyknosis in Percoll-fractionated thymocytes of irradiated rats. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , <b>1987</b> , 51, 421-8		5
10	Distribution of nuclease attack sites and complexity of DNA in the products of post-irradiation degradation of rat thymus chromatin. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , <b>1983</b> , 44, 261-6		2
9	Effect of gamma-irradiation on DNA-dependent RNA polymerase activity in rat thymus cells. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , <b>1982</b> , 42, 199-204		1

8	Characteristics of rat thymus chromatin degradation products after whole-body x-irradiation. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , <b>1981</b> , 39, 437-40		12
7	Fluorometric measurement of DNA reassociation kinetics. <i>Analytical Biochemistry</i> , <b>1979</b> , 94, 121-4	3.1	2
6	Effects of X-irradiation on the hybridization of rat thymus nuclear RNA with repeated and unique DNA sequences. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , <b>1976</b> , 30, 129-39		2
5	Reassociation kinetics of DNA from x-irradiated ascites hepatoma cells of the rat. <i>International Journal of Radiation Biology and Related Studies in Physics, Chemistry, and Medicine</i> , <b>1975</b> , 28, 453-9		2
4	Calcium Signaling in Apoptosis 571-595		
3	Cleavage of Bcl-2 is an early event in chemotherapy-induced apoptosis of human myeloid leukemia cells. <i>Leukemia</i> , <b>13</b> , 719-728	10.7	11
2	Mitochondrial dysfunction is an essential step for killing of non-small cell lung carcinomas resistant to conventional treatment		1
1	Mechanisms of Interferon-alpha induced apoptosis in malignant cells		1