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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.

326 papers	16,847 citations	65 h-index	118 g-index
342 ext. papers	19,510 ext. citations	6.6 avg, IF	6.4 L-index

#	Paper	IF	Citations
326	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
325	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015 , 22, 58-73	12.7	643
324	ANG mutations segregate with familial and sporadic Amyotrophic lateral sclerosis. <i>Nature Genetics</i> , 2006 , 38, 411-3	36.3	541
323	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. <i>Cell Death and Differentiation</i> , 2009 , 16, 1093-107	12.7	533
322	S100B in brain damage and neurodegeneration. <i>Microscopy Research and Technique</i> , 2003 , 60, 614-32	2.8	427
321	Gene expression during ER stress-induced apoptosis in neurons: induction of the BH3-only protein Bbc3/PUMA and activation of the mitochondrial apoptosis pathway. <i>Journal of Cell Biology</i> , 2003 , 162, 587-97	7.3	307
320	Fusobacterium nucleatum associates with stages of colorectal neoplasia development, colorectal cancer and disease outcome. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2014 , 33, 1381-90	5.3	279
319	Single-cell fluorescence resonance energy transfer analysis demonstrates that caspase activation during apoptosis is a rapid process. Role of caspase-3. <i>Journal of Biological Chemistry</i> , 2002 , 277, 24506-14	5.4	247
318	Activation of calpain I converts excitotoxic neuron death into a caspase-independent cell death. <i>Journal of Biological Chemistry</i> , 2000 , 275, 17064-71	5.4	223
317	Transforming growth factor-beta 1 prevents glutamate neurotoxicity in rat neocortical cultures and protects mouse neocortex from ischemic injury in vivo. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993 , 13, 521-5	7.3	213
316	Delayed mitochondrial dysfunction in excitotoxic neuron death: cytochrome c release and a secondary increase in superoxide production. <i>Journal of Neuroscience</i> , 2000 , 20, 5715-23	6.6	201
315	Regulation of neuronal Bcl2 protein expression and calcium homeostasis by transforming growth factor type beta confers wide-ranging protection on rat hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 12599-603	11.5	199
314	Mitochondrial depolarization is not required for neuronal apoptosis. <i>Journal of Neuroscience</i> , 1999 , 19, 7394-404	6.6	180
313	Systems analysis of effector caspase activation and its control by X-linked inhibitor of apoptosis protein. <i>EMBO Journal</i> , 2006 , 25, 4338-49	13	176
312	TGF-beta 1 protects hippocampal neurons against degeneration caused by transient global ischemia. Dose-response relationship and potential neuroprotective mechanisms. <i>Stroke</i> , 1996 , 27, 1609-14; discussion 1615	6.7	162
311	Staurosporine-induced apoptosis of cultured rat hippocampal neurons involves caspase-1-like proteases as upstream initiators and increased production of superoxide as a main downstream effector. <i>Journal of Neuroscience</i> , 1998 , 18, 8186-97	6.6	154
310	p53 expression induces apoptosis in hippocampal pyramidal neuron cultures. <i>Journal of Neuroscience</i> , 1997 , 17, 1397-405	6.6	149

309	Control of motoneuron survival by angiogenin. <i>Journal of Neuroscience</i> , 2008 , 28, 14056-61	6.6	137
308	Nerve growth factor survival signaling in cultured hippocampal neurons is mediated through TrkA and requires the common neurotrophin receptor P75. <i>Neuroscience</i> , 2002 , 115, 1089-108	3.9	136
307	MicroRNAs in epilepsy: pathophysiology and clinical utility. <i>Lancet Neurology, The</i> , 2016 , 15, 1368-1376	24.1	132
306	Regulation of glucose transporter 3 surface expression by the AMP-activated protein kinase mediates tolerance to glutamate excitation in neurons. <i>Journal of Neuroscience</i> , 2009 , 29, 2997-3008	6.6	128
305	Real-time single cell analysis of Smac/DIABLO release during apoptosis. <i>Journal of Cell Biology</i> , 2003 , 162, 1031-43	7.3	128
304	Versatile Conjugated Polymer Nanoparticles for High-Resolution O2 Imaging in Cells and 3D Tissue Models. <i>ACS Nano</i> , 2015 , 9, 5275-88	16.7	125
303	NMDA-induced superoxide production and neurotoxicity in cultured rat hippocampal neurons: role of mitochondria. <i>European Journal of Neuroscience</i> , 1998 , 10, 1903-10	3.5	125
302	Activation of nuclear factor kappaB and Bcl-x survival gene expression by nerve growth factor requires tyrosine phosphorylation of IkappaBalpha. <i>Journal of Cell Biology</i> , 2001 , 152, 753-64	7.3	125
301	Reactive oxygen species and p38 mitogen-activated protein kinase activate Bax to induce mitochondrial cytochrome c release and apoptosis in response to malonate. <i>Molecular Pharmacology</i> , 2007 , 71, 736-43	4.3	120
300	AMP kinase-mediated activation of the BH3-only protein Bim couples energy depletion to stress-induced apoptosis. <i>Journal of Cell Biology</i> , 2010 , 189, 83-94	7.3	119
299	Deletion of the BH3-only protein puma protects motoneurons from ER stress-induced apoptosis and delays motoneuron loss in ALS mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20606-11	11.5	116
298	Modulation of gene expression and cytoskeletal dynamics by the amyloid precursor protein intracellular domain (AICD). <i>Molecular Biology of the Cell</i> , 2007 , 18, 201-10	3.5	111
297	MicroRNAs 10a and 10b are potent inducers of neuroblastoma cell differentiation through targeting of nuclear receptor corepressor 2. <i>Cell Death and Differentiation</i> , 2011 , 18, 1089-98	12.7	110
296	6-Hydroxydopamine activates the mitochondrial apoptosis pathway through p38 MAPK-mediated, p53-independent activation of Bax and PUMA. <i>Journal of Neurochemistry</i> , 2008 , 104, 1599-612	6	108
295	Central roles of apoptotic proteins in mitochondrial function. <i>Oncogene</i> , 2013 , 32, 2703-11	9.2	107
294	Ca2+ and reactive oxygen species in staurosporine-induced neuronal apoptosis. <i>Journal of Neurochemistry</i> , 1997 , 68, 1679-85	6	106
293	Proteasome inhibition can induce an autophagy-dependent apical activation of caspase-8. <i>Cell Death and Differentiation</i> , 2011 , 18, 1584-97	12.7	105
292	Dynamics of outer mitochondrial membrane permeabilization during apoptosis. <i>Cell Death and Differentiation</i> , 2009 , 16, 613-23	12.7	105

291	Vascular endothelial growth factor protects cultured rat hippocampal neurons against hypoxic injury via an antiexcitotoxic, caspase-independent mechanism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 1170-5	7.3	104
290	TGF- β 1 activates two distinct type I receptors in neurons: implications for neuronal NF- κ B signaling. <i>Journal of Cell Biology</i> , 2005 , 168, 1077-86	7.3	104
289	Mitochondrial and plasma membrane potential of cultured cerebellar neurons during glutamate-induced necrosis, apoptosis, and tolerance. <i>Journal of Neuroscience</i> , 2007 , 27, 8238-49	6.6	99
288	Isoform-specific effects of transforming growth factors-beta on degeneration of primary neuronal cultures induced by cytotoxic hypoxia or glutamate. <i>Journal of Neurochemistry</i> , 1993 , 60, 1665-72	6	99
287	Outer mitochondrial membrane permeabilization during apoptosis triggers caspase-independent mitochondrial and caspase-dependent plasma membrane potential depolarization: a single-cell analysis. <i>Journal of Cell Science</i> , 2003 , 116, 525-36	5.3	92
286	Apoptosis-Inducing Factor (AIF) in Physiology and Disease: The Tale of a Repented Natural Born Killer. <i>EBioMedicine</i> , 2018 , 30, 29-37	8.8	90
285	Paracrine control of tissue regeneration and cell proliferation by Caspase-3. <i>Cell Death and Disease</i> , 2013 , 4, e725	9.8	90
284	Dissipation of potassium and proton gradients inhibits mitochondrial hyperpolarization and cytochrome c release during neural apoptosis. <i>Journal of Neuroscience</i> , 2001 , 21, 4551-63	6.6	87
283	Angiogenin protects motoneurons against hypoxic injury. <i>Cell Death and Differentiation</i> , 2009 , 16, 1238-47	7.7	86
282	Active secretion of S100B from astrocytes during metabolic stress. <i>Neuroscience</i> , 2006 , 141, 1697-701	3.9	86
281	Mitochondrial control of neuron death and its role in neurodegenerative disorders. <i>Journal of Physiology and Biochemistry</i> , 2003 , 59, 129-41	5	86
280	Single-cell quantification of Bax activation and mathematical modelling suggest pore formation on minimal mitochondrial Bax accumulation. <i>Cell Death and Differentiation</i> , 2010 , 17, 278-90	12.7	82
279	Effects of serotonergic drugs in experimental brain ischemia: evidence for a protective role of serotonin in cerebral ischemia. <i>Brain Research</i> , 1993 , 630, 10-20	3.7	82
278	Platelet-activating factor antagonists reduce excitotoxic damage in cultured neurons from embryonic chick telencephalon and protect the rat hippocampus and neocortex from ischemic injury in vivo. <i>Journal of Neuroscience Research</i> , 1993 , 34, 179-88	4.4	80
277	Combining systems biology models of apoptosis provides superior predictions of the responsiveness of melanoma cells to cell death inducing drugs. <i>BMC Proceedings</i> , 2015 , 9,	2.3	78
276	The role of BH3-only protein Bmf in the pathogenesis of dominant negative hepatocyte nuclear factor-1 induced mature-onset diabetes of the young in transgenic mice. <i>BMC Proceedings</i> , 2015 , 9,	2.3	78
275	The DAP kinase family of pro-apoptotic proteins: novel players in the apoptotic game. <i>BioEssays</i> , 2001 , 23, 352-8	4.1	78
274	Apoptosis induced by proteasome inhibition in cancer cells: predominant role of the p53/PUMA pathway. <i>Oncogene</i> , 2007 , 26, 1681-92	9.2	76

273	Neuroprotective properties of 5-HT _{1A} receptor agonists in rodent models of focal and global cerebral ischemia. <i>European Journal of Pharmacology</i> , 1991 , 203, 213-22	5.3	75
272	Imaging of single cell responses to ER stress indicates that the relative dynamics of IRE1/XBP1 and PERK/ATF4 signalling rather than a switch between signalling branches determine cell survival. <i>Cell Death and Differentiation</i> , 2015 , 22, 1502-16	12.7	74
271	CHOP regulates the p53-MDM2 axis and is required for neuronal survival after seizures. <i>Brain</i> , 2013 , 136, 577-92	11.2	74
270	S100B potentially activates p65/c-Rel transcriptional complexes in hippocampal neurons: Clinical implications for the role of S100B in excitotoxic brain injury. <i>Neuroscience</i> , 2004 , 127, 913-20	3.9	74
269	Systems analysis of BCL2 protein family interactions establishes a model to predict responses to chemotherapy. <i>Cancer Research</i> , 2013 , 73, 519-28	10.1	73
268	Xanthohumol-induced transient superoxide anion radical formation triggers cancer cells into apoptosis via a mitochondria-mediated mechanism. <i>FASEB Journal</i> , 2010 , 24, 2938-50	0.9	71
267	Inhibition of multidrug resistance protein 1 (MRP1) improves chemotherapy drug response in primary and recurrent glioblastoma multiforme. <i>Frontiers in Neuroscience</i> , 2015 , 9, 218	5.1	69
266	Novel benzylidene-9(10H)-anthracenones as highly active antimicrotubule agents. Synthesis, antiproliferative activity, and inhibition of tubulin polymerization. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 3382-94	8.3	69
265	Control of mitochondrial physiology and cell death by the Bcl-2 family proteins Bax and Bok. <i>Neurochemistry International</i> , 2017 , 109, 162-170	4.4	67
264	Pharmacological inhibition of Bcl-2 family members reactivates TRAIL-induced apoptosis in malignant glioma. <i>Journal of Neuro-Oncology</i> , 2008 , 86, 265-72	4.8	66
263	Real time single cell analysis of Bid cleavage and Bid translocation during caspase-dependent and neuronal caspase-independent apoptosis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 5837-44	5.4	66
262	Elevated serum angiogenin levels in ALS. <i>Neurology</i> , 2006 , 67, 1833-6	6.5	65
261	Dihydrolipoate reduces neuronal injury after cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1992 , 12, 78-87	7.3	65
260	Role of 5'adenosine monophosphate-activated protein kinase in cell survival and death responses in neurons. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 1863-76	8.4	64
259	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. <i>Cell Death and Differentiation</i> , 2018 , 25, 542-572	12.7	64
258	Cerebrospinal fluid microRNAs are potential biomarkers of temporal lobe epilepsy and status epilepticus. <i>Scientific Reports</i> , 2017 , 7, 3328	4.9	62
257	Calpains are downstream effectors of bax-dependent excitotoxic apoptosis. <i>Journal of Neuroscience</i> , 2012 , 32, 1847-58	6.6	62
256	Motoneurons secrete angiogenin to induce RNA cleavage in astroglia. <i>Journal of Neuroscience</i> , 2012 , 32, 5024-38	6.6	62

255	Hippocampal transcriptome after status epilepticus in mice rendered seizure damage-tolerant by epileptic preconditioning features suppressed calcium and neuronal excitability pathways. <i>Neurobiology of Disease</i> , 2008 , 32, 442-53	7.5	62
254	Endoplasmic reticulum stress and apoptosis signaling in human temporal lobe epilepsy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006 , 65, 217-25	3.1	61
253	p75 neurotrophin receptor is required for constitutive and NGF-induced survival signalling in PC12 cells and rat hippocampal neurones. <i>Journal of Neurochemistry</i> , 2002 , 81, 594-605	6	61
252	Hypothesis review: are clathrin-mediated endocytosis and clathrin-dependent membrane and protein trafficking core pathophysiological processes in schizophrenia and bipolar disorder?. <i>Molecular Psychiatry</i> , 2012 , 17, 669-81	15.1	60
251	Apoptosis signaling proteins as prognostic biomarkers in colorectal cancer: a review. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2009 , 1795, 117-29	11.2	60
250	Low levels of Caspase-3 predict favourable response to 5FU-based chemotherapy in advanced colorectal cancer: Caspase-3 inhibition as a therapeutic approach. <i>Cell Death and Disease</i> , 2016 , 7, e2087	9.8	59
249	Advances in immunotherapy for the treatment of glioblastoma. <i>Journal of Neuro-Oncology</i> , 2017 , 131, 1-9	4.8	56
248	Anti-apoptotic BCL-2 family proteins in acute neural injury. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 281	6.1	56
247	Dlk/ZIP kinase-induced apoptosis in human medulloblastoma cells: requirement of the mitochondrial apoptosis pathway. <i>British Journal of Cancer</i> , 2001 , 85, 1801-8	8.7	55
246	Mitochondrial membrane permeabilization and superoxide production during apoptosis. A single-cell analysis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 12645-9	5.4	54
245	In vivo contributions of BH3-only proteins to neuronal death following seizures, ischemia, and traumatic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 1196-210	7.3	53
244	Reduced hippocampal damage and epileptic seizures after status epilepticus in mice lacking proapoptotic Puma. <i>FASEB Journal</i> , 2010 , 24, 853-61	0.9	53
243	Regulation of gene expression by the amyloid precursor protein: inhibition of the JNK/c-Jun pathway. <i>Cell Death and Differentiation</i> , 2005 , 12, 1-9	12.7	53
242	Two-step activation of FOXO3 by AMPK generates a coherent feed-forward loop determining excitotoxic cell fate. <i>Cell Death and Differentiation</i> , 2012 , 19, 1677-88	12.7	51
241	The amyloid precursor protein protects PC12 cells against endoplasmic reticulum stress-induced apoptosis. <i>Journal of Neurochemistry</i> , 2003 , 87, 248-56	6	51
240	Human IgG antibody profiles differentiate between symptomatic patients with and without colorectal cancer. <i>Gut</i> , 2010 , 59, 69-78	19.2	49
239	Coincident enrichment of phosphorylated I κ B α , activated IKK, and phosphorylated p65 in the axon initial segment of neurons. <i>Molecular and Cellular Neurosciences</i> , 2006 , 33, 68-80	4.8	49
238	Multiple kinetics of mitochondrial cytochrome c release in drug-induced apoptosis. <i>Molecular Pharmacology</i> , 2001 , 60, 1008-19	4.3	49

237	Real time analysis of tumor necrosis factor-related apoptosis-inducing ligand/cycloheximide-induced caspase activities during apoptosis initiation. <i>Journal of Biological Chemistry</i> , 2008 , 283, 21676-85	5.4	48
236	Bcl-w protects hippocampus during experimental status epilepticus. <i>American Journal of Pathology</i> , 2007 , 171, 1258-68	5.8	48
235	Dual-center, dual-platform microRNA profiling identifies potential plasma biomarkers of adult temporal lobe epilepsy. <i>EBioMedicine</i> , 2018 , 38, 127-141	8.8	48
234	Glucose-starved cells do not engage in prosurvival autophagy. <i>Journal of Biological Chemistry</i> , 2013 , 288, 30387-30398	5.4	47
233	XIAP impairs Smac release from the mitochondria during apoptosis. <i>Cell Death and Disease</i> , 2010 , 1, e49	9.8	47
232	The beta2-adrenoceptor agonist clenbuterol modulates Bcl-2, Bcl-xl and Bax protein expression following transient forebrain ischemia. <i>Neuroscience</i> , 1999 , 90, 1255-63	3.9	47
231	Glucose metabolism determines resistance of cancer cells to bioenergetic crisis after cytochrome-c release. <i>Molecular Systems Biology</i> , 2011 , 7, 470	12.2	46
230	Ca(2+)-induced inhibition of apoptosis in human SH-SY5Y neuroblastoma cells: degradation of apoptotic protease activating factor-1 (APAF-1). <i>Journal of Neurochemistry</i> , 2001 , 78, 1256-66	6	46
229	Dominant-negative suppression of HNF-1 alpha results in mitochondrial dysfunction, INS-1 cell apoptosis, and increased sensitivity to ceramide-, but not to high glucose-induced cell death. <i>Journal of Biological Chemistry</i> , 2002 , 277, 6413-21	5.4	46
228	Mitochondrial transmembrane potential and free radical production in excitotoxic neurodegeneration. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1998 , 357, 316-22	3.4	45
227	NMDA receptor-mediated excitotoxic neuronal apoptosis in vitro and in vivo occurs in an ER stress and PUMA independent manner. <i>Journal of Neurochemistry</i> , 2008 , 105, 891-903	6	45
226	Paraoxonase promoter and intronic variants modify risk of sporadic amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007 , 78, 984-6	5.5	45
225	Microarray profile of seizure damage-refractory hippocampal CA3 in a mouse model of epileptic preconditioning. <i>Neuroscience</i> , 2007 , 150, 467-77	3.9	45
224	Elevation in plasma tRNA fragments precede seizures in human epilepsy. <i>Journal of Clinical Investigation</i> , 2019 , 129, 2946-2951	15.9	44
223	Single-cell imaging of bioenergetic responses to neuronal excitotoxicity and oxygen and glucose deprivation. <i>Journal of Neuroscience</i> , 2014 , 34, 10192-205	6.6	43
222	Upregulation of DR5 by proteasome inhibitors potently sensitizes glioma cells to TRAIL-induced apoptosis. <i>FEBS Journal</i> , 2008 , 275, 1925-36	5.7	43
221	Increased expression of microRNA-29a in ALS mice: functional analysis of its inhibition. <i>Journal of Molecular Neuroscience</i> , 2014 , 53, 231-41	3.3	41
220	Identification of polyubiquitin binding proteins involved in NF-kappaB signaling using protein arrays. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009 , 1794, 1010-6	4	41

219	Imaging oxygen in neural cell and tissue models by means of anionic cell-permeable phosphorescent nanoparticles. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 367-81	10.3	40
218	"Preconditioning" with latrepirdine, an adenosine 5Pmonophosphate-activated protein kinase activator, delays amyotrophic lateral sclerosis progression in SOD1(G93A) mice. <i>Neurobiology of Aging</i> , 2015 , 36, 1140-50	5.6	40
217	Clinical application of a systems model of apoptosis execution for the prediction of colorectal cancer therapy responses and personalisation of therapy. <i>Gut</i> , 2012 , 61, 725-33	19.2	40
216	KCa2 channels activation prevents [Ca2+]i deregulation and reduces neuronal death following glutamate toxicity and cerebral ischemia. <i>Cell Death and Disease</i> , 2011 , 2, e147	9.8	40
215	Opposing effects of transforming growth factor-beta 1 on glutamate neurotoxicity. <i>Neuroscience</i> , 1994 , 60, 7-10	3.9	40
214	Vascular Endothelial Growth Factor Protects Cultured Rat Hippocampal Neurons Against Hypoxic Injury via an Antiexcitotoxic, Caspase-Independent Mechanism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 1170-1175	7.3	40
213	Modulation of Mcl-1 sensitizes glioblastoma to TRAIL-induced apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014 , 19, 629-42	5.4	39
212	Loss of p53 results in protracted electrographic seizures and development of an aggravated epileptic phenotype following status epilepticus. <i>Cell Death and Disease</i> , 2010 , 1, e79	9.8	39
211	Bax regulates neuronal Ca2+ homeostasis. <i>Journal of Neuroscience</i> , 2015 , 35, 1706-22	6.6	38
210	Caspase-3 cleavage and nuclear localization of caspase-activated DNase in human temporal lobe epilepsy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006 , 26, 583-9	7.3	38
209	Proteins and microRNAs are differentially expressed in tear fluid from patients with Alzheimer's disease. <i>Scientific Reports</i> , 2019 , 9, 15437	4.9	37
208	High levels of X-linked Inhibitor-of-Apoptosis Protein (XIAP) are indicative of radio chemotherapy resistance in rectal cancer. <i>Radiation Oncology</i> , 2015 , 10, 131	4.2	37
207	Contrasting patterns of Bim induction and neuroprotection in Bim-deficient mice between hippocampus and neocortex after status epilepticus. <i>Cell Death and Differentiation</i> , 2010 , 17, 459-68	12.7	36
206	Copy number load predicts outcome of metastatic colorectal cancer patients receiving bevacizumab combination therapy. <i>Nature Communications</i> , 2018 , 9, 4112	17.4	36
205	Dynamics of intracellular oxygen in PC12 Cells upon stimulation of neurotransmission. <i>Journal of Biological Chemistry</i> , 2008 , 283, 5650-61	5.4	35
204	Full length Bid is sufficient to induce apoptosis of cultured rat hippocampal neurons. <i>BMC Cell Biology</i> , 2007 , 8, 7		35
203	Bok Is Not Pro-Apoptotic But Suppresses Poly ADP-Ribose Polymerase-Dependent Cell Death Pathways and Protects against Excitotoxic and Seizure-Induced Neuronal Injury. <i>Journal of Neuroscience</i> , 2016 , 36, 4564-78	6.6	35
202	Expanding the substantial interactome of NEMO using protein microarrays. <i>PLoS ONE</i> , 2010 , 5, e8799	3.7	34

201	Depletion of 14-3-3 zeta elicits endoplasmic reticulum stress and cell death, and increases vulnerability to kainate-induced injury in mouse hippocampal cultures. <i>Journal of Neurochemistry</i> , 2008 , 106, 978-88	6	34
200	The amyloid precursor protein potentiates CHOP induction and cell death in response to ER Ca ²⁺ depletion. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007 , 1773, 157-65	4.9	34
199	Marked diversity in the action of growth factors on N-methyl-D-aspartate-induced neuronal degeneration. <i>European Journal of Pharmacology</i> , 1996 , 306, 81-8	5.3	34
198	Mild mitochondrial uncoupling induced protection against neuronal excitotoxicity requires AMPK activity. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 744-53	4.6	33
197	AMP-activated protein kinase mediates apoptosis in response to bioenergetic stress through activation of the pro-apoptotic Bcl-2 homology domain-3-only protein BMF. <i>Journal of Biological Chemistry</i> , 2010 , 285, 36199-206	5.4	33
196	Enhanced vulnerability of PARK6 patient skin fibroblasts to apoptosis induced by proteasomal stress. <i>Neuroscience</i> , 2010 , 166, 422-34	3.9	33
195	INS-1 cells undergoing caspase-dependent apoptosis enhance the regenerative capacity of neighboring cells. <i>Diabetes</i> , 2010 , 59, 2799-808	0.9	33
194	Activation of ATP-sensitive potassium channels decreases neuronal injury caused by chemical hypoxia. <i>Brain Research</i> , 1997 , 751, 295-9	3.7	33
193	Opposite effects of TGF-beta 1 on rapidly- and slowly-triggered excitotoxic injury. <i>Neuropharmacology</i> , 1996 , 35, 249-56	5.5	33
192	Oxidation of multiple MIT/TFE transcription factors links oxidative stress to transcriptional control of autophagy and lysosome biogenesis. <i>Autophagy</i> , 2020 , 16, 1683-1696	10.2	33
191	Calnexin, an ER stress-induced protein, is a prognostic marker and potential therapeutic target in colorectal cancer. <i>Journal of Translational Medicine</i> , 2016 , 14, 196	8.5	33
190	Up-regulation of Bcl-xL in response to subtoxic beta-amyloid: role in neuronal resistance against apoptotic and oxidative injury. <i>Neuroscience</i> , 2001 , 102, 139-50	3.9	32
189	ER stress signaling has an activating transcription factor 6 (ATF6)-dependent "off-switch". <i>Journal of Biological Chemistry</i> , 2018 , 293, 18270-18284	5.4	32
188	Angiogenin induces modifications in the astrocyte secretome: relevance to amyotrophic lateral sclerosis. <i>Journal of Proteomics</i> , 2013 , 91, 274-85	3.9	31
187	Activation of executioner caspases is a predictor of progression-free survival in glioblastoma patients: a systems medicine approach. <i>Cell Death and Disease</i> , 2013 , 4, e629	9.8	31
186	Protein macroarray profiling of serum autoantibodies in pseudoexfoliation glaucoma 2010 , 51, 2968-75		31
185	Apelin: A putative novel predictive biomarker for bevacizumab response in colorectal cancer. <i>Oncotarget</i> , 2017 , 8, 42949-42961	3.3	31
184	Proteasome inhibition can impair caspase-8 activation upon submaximal stimulation of apoptotic tumor necrosis factor-related apoptosis inducing ligand (TRAIL) signaling. <i>Journal of Biological Chemistry</i> , 2012 , 287, 14402-11	5.4	29

183	Ceramide-induced apoptosis of D283 medulloblastoma cells requires mitochondrial respiratory chain activity but occurs independently of caspases and is not sensitive to Bcl-xL overexpression. <i>Journal of Neurochemistry</i> , 2002 , 82, 482-94	6	29
182	Mucin glycoproteins block apoptosis; promote invasion, proliferation, and migration; and cause chemoresistance through diverse pathways in epithelial cancers. <i>Cancer and Metastasis Reviews</i> , 2019 , 38, 237-257	9.6	28
181	Systems biology identifies preserved integrity but impaired metabolism of mitochondria due to a glycolytic defect in Alzheimer's disease neurons. <i>Aging Cell</i> , 2019 , 18, e12924	9.9	28
180	The APP intracellular domain (AICD) potentiates ER stress-induced apoptosis. <i>Neurobiology of Aging</i> , 2012 , 33, 2200-9	5.6	28
179	Neuronal apoptosis: BH3-only proteins the real killers?. <i>Journal of Bioenergetics and Biomembranes</i> , 2004 , 36, 295-8	3.7	28
178	BCL2 and BCL(X)L selective inhibitors decrease mitochondrial ATP production in breast cancer cells and are synthetically lethal when combined with 2-deoxy-D-glucose. <i>Oncotarget</i> , 2018 , 9, 26046-26063	3.3	28
177	A high-fat jelly diet restores bioenergetic balance and extends lifespan in the presence of motor dysfunction and lumbar spinal cord motor neuron loss in TDP-43A315T mutant C57BL6/J mice. <i>DMM Disease Models and Mechanisms</i> , 2016 , 9, 1029-37	4.1	28
176	BCL-2 system analysis identifies high-risk colorectal cancer patients. <i>Gut</i> , 2017 , 66, 2141-2148	19.2	27
175	Molecular Mechanisms in Amyotrophic Lateral Sclerosis: The Role of Angiogenin, a Secreted RNase. <i>Frontiers in Neuroscience</i> , 2012 , 6, 167	5.1	26
174	The amyloid precursor protein intracellular domain(AICD) disrupts actin dynamics and mitochondrial bioenergetics. <i>Journal of Neurochemistry</i> , 2010 , 113, 275-84	6	26
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172	Meta-analysis of the molecular associations of mucinous colorectal cancer. <i>British Journal of Surgery</i> , 2019 , 106, 682-691	5.3	25
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20	Systems biology analysis identifies molecular determinants of chemotherapy-induced diarrhoea. <i>Journal of Molecular Medicine</i> , 2020 , 98, 149-159	5.5	1
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18	AMPK-regulated miRNA-210-3p is activated during ischaemic neuronal injury and modulates PI3K-p70S6K signalling. <i>Journal of Neurochemistry</i> , 2021 , 159, 710-728	6	1
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