Jochen H M Prehn

List of Publications by Year
in descending order

332	21,814	12330 69	12597 132
papers	citations	h-index	g-index

342	342	342	30553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An atlas of inter- and intra-tumor heterogeneity of apoptosis competency in colorectal cancer tissue at single-cell resolution. Cell Death and Differentiation, 2022, 29, 806-817.	11.2	15
2	Functional Genomic Identification of Predictors of Sensitivity and Mechanisms of Resistance to Multivalent Second-Generation TRAIL-R2 Agonists. Molecular Cancer Therapeutics, 2022, 21, 594-606.	4.1	1
3	Clinical Oncogenomics and Personalized Medicine in Colorectal Cancer for the Surgeon: What We Need to Know and What the Future Holds. SN Comprehensive Clinical Medicine, 2022, 4, 1.	0.6	0
4	Modelling Î±-Synuclein Aggregation and Neurodegeneration with Fibril Seeds in Primary Cultures of Mouse Dopaminergic Neurons. Cells, 2022, 11, 1640.	4.1	8
5	Serine-Arginine Protein Kinase 1 (SRPK1): a systematic review of its multimodal role in oncogenesis. Molecular and Cellular Biochemistry, 2022, 477, 2451-2467.	3.1	4
6	Mechanisms and mathematical modeling of ROS production by the mitochondrial electron transport chain. American Journal of Physiology - Cell Physiology, 2022, 323, C69-C83.	4.6	20
7	BCL(X)L and BCL2 increase the metabolic fitness of breast cancer cells: a single-cell imaging study. Cell Death and Differentiation, 2021, 28, 1512-1531.	11.2	15
8	Multiple screening approaches reveal HDAC6 as a novel regulator of glycolytic metabolism in triple-negative breast cancer. Science Advances, 2021, 7, .	10.3	38
9	AMPKâ€regulated miRNAâ€210â€3p is activated during ischaemic neuronal injury and modulates PI3Kâ€p70S6K signalling. Journal of Neurochemistry, 2021, 159, 710-728.	3.9	3
10	Development of a protein signature to enable clinical positioning of IAP inhibitors in colorectal cancer. FEBS Journal, 2021, 288, 5374-5388.	4.7	5
11	Resistance to Cell Death in Mucinous Colorectal Cancerâ€”A Review. Cancers, 2021, 13, 1389.	3.7	12
12	Mucinous and non-mucinous colorectal cancers show differential expression of chemotherapy metabolism and resistance genes. Pharmacogenomics Journal, 2021, 21, 510-519.	2.0	6
13	Neuronal cell-based high-throughput screen for enhancers of mitochondrial function reveals luteolin as a modulator of mitochondria-endoplasmic reticulum coupling. BMC Biology, 2021, 19, 57.	3.8	21
14	Mucinous Colorectal Cancer is Associated With Expression of the TIM-3 Immune Checkpoint Independently of Microsatellite Instability (MSI) Status. Annals of Surgical Oncology, 2021, 28, 7999-8006.	1.5	3
15	The spleen as a sanctuary site for residual leukemic cells following ABT-199 monotherapy in ETP-ALL. Blood Advances, 2021, 5, 1963-1976.	5.2	9
16	Transcriptional CDK Inhibitors CYC065 and THZ1 Induce Apoptosis in Glioma Stem Cells Derived from Recurrent GBM. Cells, 2021, 10, 1182.	4.1	5
17	Systemic delivery of antagomirs during blood-brain barrier disruption is disease-modifying in experimental epilepsy. Molecular Therapy, 2021, 29, 2041-2052.	8.2	20
18	tsRNAsearch: a pipeline for the identification of tRNA and ncRNA fragments from small RNA-sequencing data. Bioinformatics, 2021, 37, 4424-4430.	4.1	6

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19	Molecular Subtyping Combined with Biological Pathway Analyses to Study Regorafenib Response in Clinically Relevant Mouse Models of Colorectal Cancer. Clinical Cancer Research, 2021, 27, 5979-5992.	7.0	5
20	Patients with mesenchymal tumours and highFusobacterialesprevalence have worse prognosis in colorectal cancer (CRC). Gut, 2021, , gutjnl-2021-325193.	12.1	23
21	BCL(X)L and BCL2 increase mitochondrial dynamics in breast cancer cell: Evidence from functional and genetic studies. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119095.	4.1	6
22	TRAIL signaling promotes entosis in colorectal cancer. Journal of Cell Biology, 2021, 220, .	5.2	17
23	tRNA-derived fragments: A new class of non-coding RNA with key roles in nervous system function and dysfunction. Progress in Neurobiology, 2021, 205, 102118.	5.7	28
24	Mitochondrial Carrier Homolog 2 Functionally Co-operates With BH3 Interacting-Domain Death Agonist in Promoting Ca2+-Induced Neuronal Injury. Frontiers in Cell and Developmental Biology, 2021, 9, 750100.	3.7	2
25	p53 upregulated mediator of apoptosis (Puma) deficiency increases survival of adult neural stem cells generated physiologically in the hippocampus, but does not protect stem cells generated in surplus after an excitotoxic lesion. Journal of Basic and Clinical Physiology and Pharmacology, 2021, 32, 57-66.	1.3	2
26	Phenomenological equations for electron transport chain-mediated reactive oxygen species metabolism. , 2021, , .		2
27	Systems biology analysis identifies molecular determinants of chemotherapy-induced diarrhoea. Journal of Molecular Medicine, 2020, 98, 149-159.	3.9	2
28	Mucinous adenocarcinoma is a pharmacogenomically distinct subtype of colorectal cancer. Pharmacogenomics Journal, 2020, 20, 524-532.	2.0	30
29	Oxidation of multiple MiT/TFE transcription factors links oxidative stress to transcriptional control of autophagy and lysosome biogenesis. Autophagy, 2020, 16, 1683-1696.	9.1	65
30	New hints towards a precision medicine strategy for IDH wild-type glioblastoma. Annals of Oncology, 2020, 31, 1679-1692.	1.2	32
31	Implementing Systems Modelling and Molecular Imaging to Predict the Efficacy of BCL-2 Inhibition in Colorectal Cancer Patient-Derived Xenograft Models. Cancers, 2020, 12, 2978.	3.7	8
32	Mucinous Adenocarcinoma of the Rectum: A Whole Genome Sequencing Study. Frontiers in Oncology, 2020, 10, 1682.	2.8	8
33	5â€²ValCAC tRNA fragment generated as part of a protective angiogenin response provides prognostic value in amyotrophic lateral sclerosis. Brain Communications, 2020, 2, fcaa138.	3.3	16
34	Quantification of tRNA fragments by electrochemical direct detection in small volume biofluid samples. Scientific Reports, 2020, 10, 7516.	3.3	12
35	A Context-Dependent Role for MiR-124-3p on Cell Phenotype, Viability and Chemosensitivity in Neuroblastoma in vitro. Frontiers in Cell and Developmental Biology, 2020, 8, 559553.	3.7	15
36	Proglucagon-Derived Peptides Expression and Secretion in Rat Insulinoma INS-1 Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 590763.	3.7	5

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37	Molecular subtype-specific responses of colon cancer cells to the SMAC mimetic Birinapant. Cell Death and Disease, 2020, 11, 1020.	6.3	15
38	Systems analysis of protein signatures predicting cetuximab responses in <scp>KRAS</scp>, <scp>NRAS</scp>, <scp>BRAF</scp> and <scp>PIK3CA</scp> wildâ€type patientâ€derived xenograft models of metastatic colorectal cancer. International Journal of Cancer, 2020, 147, 2891-2901.	5.1	5
39	TAMI-51. IDENTIFYING NEW TUMOR MICROENVIRONMENT (TME) CONTEXTS OF VULNERABILITY IN GLIOBLASTOMA. Neuro-Oncology, 2020, 22, ii224-ii224.	1.2	1
40	AMPK Preferentially Depresses Retrograde Transport of Axonal Mitochondria during Localized Nutrient Deprivation. Journal of Neuroscience, 2020, 40, 4798-4812.	3.6	19
41	Combination of variations in inflammation- and endoplasmic reticulum-associated genes as putative biomarker for bevacizumab response in KRAS wild-type colorectal cancer. Scientific Reports, 2020, 10, 9778.	3.3	5
42	Angiogenin and tRNA fragments in Parkinsonâ€™s disease and neurodegeneration. Acta Pharmacologica Sinica, 2020, 41, 442-446.	6.1	39
43	Genomic and Transcriptomic Characterisation of Response to Neoadjuvant Chemoradiotherapy in Locally Advanced Rectal Cancer. Cancers, 2020, 12, 1808.	3.7	13
44	A systems approach delivers a functional microRNA catalog and expanded targets for seizure suppression in temporal lobe epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15977-15988.	7.1	41
45	Evaluation of an aldo-keto reductase gene signature with prognostic significance in colon cancer via activation of epithelial to mesenchymal transition and the p70S6K pathway. Carcinogenesis, 2020, 41, 1219-1228.	2.8	14
46	C9orf72 associates with inactive Rag GTPases and regulates mTORC1â€mediated autophagosomal and lysosomal biogenesis. Aging Cell, 2020, 19, e13126.	6.7	34
47	Loss of angiogenin function is related to earlier ALS onset and a paradoxical increase in ALS duration. Scientific Reports, 2020, 10, 3715.	3.3	11
48	Circulating miR-330-3p in Late Pregnancy is Associated with Pregnancy Outcomes Among Lean Women with GDM. Scientific Reports, 2020, 10, 908.	3.3	24
49	The apoptosome molecular timer synergises with XIAP to suppress apoptosis execution and contributes to prognosticating survival in colorectal cancer. Cell Death and Differentiation, 2020, 27, 2828-2842.	11.2	9
50	Microsatellite instability and response to neoadjuvant chemoradiotherapy in rectal cancer: A systematic review and meta-analysis. Surgical Oncology, 2020, 34, 57-62.	1.6	21
51	Genome-wide microRNA profiling of plasma from three different animal models identifies biomarkers of temporal lobe epilepsy. Neurobiology of Disease, 2020, 144, 105048.	4.4	35
52	TMOD-12. ESTABLISHING A CLINICALLY RELEVANT MODEL OF MESENCHYMAL GLIOBLASTOMA (GBM) TO STUDY RESPONSE TO STANDARD OF CARE TREATMENT AND IMMUNE CHECKPOINT INHIBITION (ICI).. Neuro-Oncology, 2020, 22, ii230-ii230.	1.2	0
53	The Anti-inflammatory Compound Candesartan Cilexetil Improves Neurological Outcomes in a Mouse Model of Neonatal Hypoxia. Frontiers in Immunology, 2019, 10, 1752.	4.8	16
54	Mixed copper(<scp>ii</scp>)â€“phenanthroline complexes induce cell death of ovarian cancer cells by evoking the unfolded protein response. Metallomics, 2019, 11, 1481-1489.	2.4	21

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55	Proteins and microRNAs are differentially expressed in tear fluid from patients with Alzheimerâ€™s disease. Scientific Reports, 2019, 9, 15437.	3.3	63
56	Heterogeneous responses to low level death receptor activation are explained by random molecular assembly of the Caspase-8 activation platform. PLoS Computational Biology, 2019, 15, e1007374.	3.2	9
57	Mucin glycoproteins block apoptosis; promote invasion, proliferation, and migration; and cause chemoresistance through diverse pathways in epithelial cancers. Cancer and Metastasis Reviews, 2019, 38, 237-257.	5.9	53
58	Electrical stimulation of the ventral hippocampal commissure delays experimental epilepsy and is associated with altered microRNA expression. Brain Stimulation, 2019, 12, 1390-1401.	1.6	10
59	Context-Specific Switch from Anti- to Pro-epileptogenic Function of the P2Y₁ Receptor in Experimental Epilepsy. Journal of Neuroscience, 2019, 39, 5377-5392.	3.6	37
60	A Machine Learning Platform to Optimize the Translation of Personalized Network Models to the Clinic. JCO Clinical Cancer Informatics, 2019, 3, 1-17.	2.1	4
61	Meta-analysis of the molecular associations of mucinous colorectal cancer. British Journal of Surgery, 2019, 106, 682-691.	0.3	54
62	Systems biology identifies preserved integrity but impaired metabolism of mitochondria due to a glycolytic defect in Alzheimer's disease neurons. Aging Cell, 2019, 18, e12924.	6.7	46
63	Implementing Reverse Phase Protein Array Profiling as a Sensitive Method for the Early Preâ€€Clinical Detection of Offâ€Target Toxicities Associated with Sunitinib Malate. Proteomics - Clinical Applications, 2019, 13, e1800159.	1.6	3
64	Vascular regression precedes motor neuron loss in the FUS (1-359) ALS mouse model. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	12
65	Mucinous adenocarcinoma of the colon and rectum: A genomic analysis. Journal of Surgical Oncology, 2019, 120, 1427-1435.	1.7	22
66	System-based approaches as prognostic tools for glioblastoma. BMC Cancer, 2019, 19, 1092.	2.6	9
67	Implementing Patient-Derived Xenografts to Assess the Effectiveness of Cyclin-Dependent Kinase Inhibitors in Glioblastoma. Cancers, 2019, 11, 2005.	3.7	10
68	Elevated Plasma microRNA-206 Levels Predict Cognitive Decline and Progression to Dementia from Mild Cognitive Impairment. Biomolecules, 2019, 9, 734.	4.0	41
69	Elevation of plasma tRNA fragments precedes seizures in human epilepsy. Journal of Clinical Investigation, 2019, 129, 2946-2951.	8.2	71
70	HCP: A Matlab package to create beautiful heatmaps with richly annotated covariates. Journal of Open Source Software, 2019, 4, 1291.	4.6	2
71	Simulating and predicting cellular and in vivo responses of colon cancer to combined treatment with chemotherapy and IAP antagonist Birinapant/TL32711. Cell Death and Differentiation, 2018, 25, 1952-1966.	11.2	12
72	The BAX/BAK-like protein BOK is a prognostic marker in colorectal cancer. Cell Death and Disease, 2018, 9, 125.	6.3	23

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73	Systems modeling accurately predicts responses to genotoxic agents and their synergism with BCL-2 inhibitors in triple negative breast cancer cells. Cell Death and Disease, 2018, 9, 42.	6.3	38
74	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
75	Apoptosis-Inducing Factor (AIF) in Physiology and Disease: The Tale of a Repented Natural Born Killer. EBioMedicine, 2018, 30, 29-37.	6.1	155
76	Pleiotropic activity of systemically delivered angiogenin in the SOD1G93A mouse model. Neuropharmacology, 2018, 133, 503-511.	4.1	19
77	Deletion of the BH3-only protein Noxa alters electrographic seizures but does not protect against hippocampal damage after status epilepticus in mice. Cell Death and Disease, 2018, 8, e2556-e2556.	6.3	2
78	A constitutively-active IKK-complex at the axon initial segment. Brain Research, 2018, 1678, 356-366.	2.2	1
79	Riluzole does not improve lifespan or motor function in three ALS mouse models. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2018, 19, 438-445.	1.7	34
80	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. Cell Death and Differentiation, 2018, 25, 542-572.	11.2	120
81	Orexin-A/hypocretin-1 Immunoreactivity in the Lateral Hypothalamus is Reduced in Genetically Obese but not in Diet-induced Obese Mice. Neuroscience, 2018, 369, 183-191.	2.3	4
82	Loss of Chromosome 18q11.2-q12.1 Is Predictive for Survival in Patients With Metastatic Colorectal Cancer Treated With Bevacizumab. Journal of Clinical Oncology, 2018, 36, 2052-2060.	1.6	26
83	Dual-center, dual-platform microRNA profiling identifies potential plasma biomarkers of adult temporal lobe epilepsy. EBioMedicine, 2018, 38, 127-141.	6.1	88
84	ER stress signaling has an activating transcription factor 6Î± (ATF6)-dependent â€œoff-switchâ€• Journal of Biological Chemistry, 2018, 293, 18270-18284.	3.4	84
85	Metabolic Targeting of Breast Cancer Cells With the 2-Deoxy-D-Glucose and the Mitochondrial Bioenergetics Inhibitor MDIVI-1. Frontiers in Cell and Developmental Biology, 2018, 6, 113.	3.7	37
86	Copy number load predicts outcome of metastatic colorectal cancer patients receiving bevacizumab combination therapy. Nature Communications, 2018, 9, 4112.	12.8	55
87	Low cleaved caspase-7 levels indicate unfavourable outcome across all breast cancers. Journal of Molecular Medicine, 2018, 96, 1025-1037.	3.9	9
88	Increased A20-E3 ubiquitin ligase interactions in bid-deficient glia attenuate TLR3- and TLR4-induced inflammation. Journal of Neuroinflammation, 2018, 15, 130.	7.2	22
89	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. Oncotarget, 2018, 9, 26046-26063.	1.8	38
90	A machine-learning approach for the identification of highly predictive germline SNPs as biomarkers for response to bevacizumab in metastatic colorectal cancer using Elastic Net and Lasso.. Journal of Clinical Oncology, 2018, 36, e15584-e15584.	1.6	1

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91	Profiling of Argonaute-2-loaded microRNAs in a mouse model of frontotemporal dementia with parkinsonism-17. International Journal of Physiology, Pathophysiology and Pharmacology, 2018, 10, 172-183.	0.8	2
92	miRNAmeConverter: an R/bioconductor package for translating mature miRNA names to different miRBase versions. Bioinformatics, 2017, 33, 592-593.	4.1	41
93	Colorectal tumour simulation using agent based modelling and high performance computing. Future Generation Computer Systems, 2017, 67, 397-408.	7.5	12
94	BCL-2 system analysis identifies high-risk colorectal cancer patients. Gut, 2017, 66, 2141-2148.	12.1	40
95	Time-lapse imaging of p65 and Ĩº Bî± translocation kinetics following Ca 2+ -induced neuronal injury reveals biphasic translocation kinetics in surviving neurons. Molecular and Cellular Neurosciences, 2017, 80, 148-158.	2.2	3
96	Cerebrospinal fluid microRNAs are potential biomarkers of temporal lobe epilepsy and status epilepticus. Scientific Reports, 2017, 7, 3328.	3.3	93
97	Single-cell time-lapse imaging of intracellular O2 in response to metabolic inhibition and mitochondrial cytochrome-c release. Cell Death and Disease, 2017, 8, e2853-e2853.	6.3	28
98	Control of mitochondrial physiology and cell death by the Bcl-2 family proteins Bax and Bok. Neurochemistry International, 2017, 109, 162-170.	3.8	102
99	NF-Ĩº B regulates neuronal ankyrin-G via a negative feedback loop. Scientific Reports, 2017, 7, 42006.	3.3	7
100	Advances in immunotherapy for the treatment of glioblastoma. Journal of Neuro-Oncology, 2017, 131, 1-9.	2.9	65
101	A Stepwise Integrated Approach to Personalized Risk Predictions in Stage III Colorectal Cancer. Clinical Cancer Research, 2017, 23, 1200-1212.	7.0	21
102	Defining external factors that determine neuronal survival, apoptosis and necrosis during excitotoxic injury using a high content screening imaging platform. PLoS ONE, 2017, 12, e0188343.	2.5	11
103	Anti-GD2-ch14.18/CHO coated nanoparticles mediate glioblastoma (GBM)-specific delivery of the aromatase inhibitor, Letrozole, reducing proliferation, migration and chemoresistance in patient-derived GBM tumor cells. Oncotarget, 2017, 8, 16605-16620.	1.8	30
104	Identification of a novel predictive genomic biomarker for response to combination bevacizumab in metastatic colorectal cancer (mCRC).. Journal of Clinical Oncology, 2017, 35, 3580-3580.	1.6	2
105	Apelin: A putative novel predictive biomarker for bevacizumab response in colorectal cancer. Oncotarget, 2017, 8, 42949-42961.	1.8	42
106	Assessment of concordance between fresh-frozen and formalin-fixed paraffin embedded tumor DNA methylation using a targeted sequencing approach. Oncotarget, 2017, 8, 48126-48137.	1.8	12
107	BID Mediates Oxygen-Glucose Deprivation-Induced Neuronal Injury in Organotypic Hippocampal Slice Cultures and Modulates Tissue Inflammation in a Transient Focal Cerebral Ischemia Model without Changing Lesion Volume. Frontiers in Cellular Neuroscience, 2016, 10, 14.	3.7	15
108	Calnexin, an ER-induced protein, is a prognostic marker and potential therapeutic target in colorectal cancer. Journal of Translational Medicine, 2016, 14, 196.	4.4	51

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109	Endoplasmic reticulum stressâ€mediated upregulation of miRâ€29a enhances sensitivity to neuronal apoptosis. European Journal of Neuroscience, 2016, 43, 640-652.	2.6	31
110	Targeting the 19S proteasomal subunit, Rpt4, for the treatment of colon cancer. European Journal of Pharmacology, 2016, 780, 53-64.	3.5	12
111	Bok Is Not Pro-Apoptotic But Suppresses Poly ADP-Ribose Polymerase-Dependent Cell Death Pathways and Protects against Excitotoxic and Seizure-Induced Neuronal Injury. Journal of Neuroscience, 2016, 36, 4564-4578.	3.6	47
112	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/ C57BL/6J mice. DMM Disease Models and Mechanisms, 2016, 9, 1029-37.	2.4	38
113	In the Middle of a Chain Interaction. Molecular Cell, 2016, 64, 217-218.	9.7	2
114	Outcome of Colorectal Cancer Patients Treated with Combination Bevacizumab Therapy: A Pooled Retrospective Analysis of Three European Cohorts from the Angiopredict Initiative. Digestion, 2016, 94, 129-137.	2.3	10
115	MicroRNAs in epilepsy: pathophysiology and clinical utility. Lancet Neurology, The, 2016, 15, 1368-1376.	10.2	200
116	Modelling tumour cell proliferation from vascular structure using tissue decomposition into avascular elements. Journal of Theoretical Biology, 2016, 402, 129-143.	1.7	3
117	Mechanistic interrogation of combination bevacizumab/dual PI3K/mTOR inhibitor response in glioblastoma implementing novel MR and PET imaging biomarkers. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1673-1683.	6.4	13
118	Caspase 6 has a protective role in SOD1 G93A transgenic mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1063-1073.	3.8	3
119	AT-101 simultaneously triggers apoptosis and a cytoprotective type of autophagy irrespective of expression levels and the subcellular localization of Bcl-xL and Bcl-2 in MCF7 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 499-509.	4.1	15
120	Low levels of Caspase-3 predict favourable response to 5FU-based chemotherapy in advanced colorectal cancer: Caspase-3 inhibition as a therapeutic approach. Cell Death and Disease, 2016, 7, e2087-e2087.	6.3	76
121	Patient-derived glioblastoma cells show significant heterogeneity in treatment responses to the inhibitor-of-apoptosis-protein antagonist birinapant. British Journal of Cancer, 2016, 114, 188-198.	6.4	16
122	Computational Analysis of AMPK-Mediated Neuroprotection Suggests Acute Excitotoxic Bioenergetics and Glucose Dynamics Are Regulated by a Minimal Set of Critical Reactions. PLoS ONE, 2016, 11, e0148326.	2.5	13
123	Bid Promotes K63-Linked Polyubiquitination of Tumor Necrosis Factor Receptor Associated Factor 6 (TRAF6) and Sensitizes to MutantSOD1-Induced Proinflammatory Signaling in Microglia. ENeuro, 2016, 3, ENEURO.0099-15.2016.	1.9	26
124	Mislocalization of Mitochondrial Intermembrane Space Proteins. , 2016, , 45-67.		0
125	Caspase modelling to predict personalised risk in stage III colorectal cancer (CRC) patients.. Journal of Clinical Oncology, 2016, 34, 11592-11592.	1.6	0
126	A systems model of BCL-2 dependent apoptosis to predict stage II CRC patients benefiting from adjuvant chemotherapy and as a prognostic tool for stage III CRC patients with increased risk of recurrence.. Journal of Clinical Oncology, 2016, 34, 3584-3584.	1.6	1

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127	Combining systems biology models of apoptosis provides superior predictions of the responsiveness of melanoma cells to cell death inducing drugs. BMC Proceedings, 2015, 9, .	1.6	0
128	The role of BH3-only protein Bmf in the pathogenesis of dominant negative hepatocyte nuclear factor-1 â€“induced mature-onset diabetes of the young in transgenic mice. BMC Proceedings, 2015, 9, .	1.6	0
129	High levels of X-linked Inhibitor-of-Apoptosis Protein (XIAP) are indicative of radio chemotherapy resistance in rectal cancer. Radiation Oncology, 2015, 10, 131.	2.7	42
130	Inhibition of multidrug resistance protein 1 (MRP1) improves chemotherapy drug response in primary and recurrent glioblastoma multiforme. Frontiers in Neuroscience, 2015, 9, 218.	2.8	96
131	MicroRNA-224 is Readily Detectable in Urine of Individuals with Diabetes Mellitus and is a Potential Indicator of Beta-Cell Demise. Genes, 2015, 6, 399-416.	2.4	33
132	Integrating Colon Cancer Microarray Data: Associating Locus-Specific Methylation Groups to Gene Expression-Based Classifications. Microarrays (Basel, Switzerland), 2015, 4, 630-646.	1.4	3
133	The esoteric roles of Bcl-2 family proteins in glucose homeostasis and cell survival. Cell Death and Disease, 2015, 6, e1968-e1968.	6.3	2
134	Bax Regulates Neuronal Ca²⁺Homeostasis. Journal of Neuroscience, 2015, 35, 1706-1722.	3.6	52
135	â€œPreconditioningâ€•with latrepirdine, an adenosine 5â€²-monophosphate-activated protein kinase activator, delays amyotrophic lateral sclerosis progression in SOD1G93A mice. Neurobiology of Aging, 2015, 36, 1140-1150.	3.1	49
136	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. Cell Death and Differentiation, 2015, 22, 1502-1516.	11.2	100
137	Imaging oxygen in neural cell and tissue models by means of anionic cell-permeable phosphorescent nanoparticles. Cellular and Molecular Life Sciences, 2015, 72, 367-381.	5.4	49
138	BCL2 protein signalling determines acute responses to neoadjuvant chemoradiotherapy in rectal cancer. Journal of Molecular Medicine, 2015, 93, 315-326.	3.9	17
139	Versatile Conjugated Polymer Nanoparticles for High-Resolution O₂ Imaging in Cells and 3D Tissue Models. ACS Nano, 2015, 9, 5275-5288.	14.6	147
140	The metabolic response to excitotoxicity â€“ lessons from single-cell imaging. Journal of Bioenergetics and Biomembranes, 2015, 47, 75-88.	2.3	30
141	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. Cell Death and Differentiation, 2015, 22, 58-73.	11.2	811
142	Anti-apoptotic BCL-2 family proteins in acute neural injury. Frontiers in Cellular Neuroscience, 2014, 8, 281.	3.7	71
143	From computational modelling of the intrinsic apoptosis pathway to a systems-based analysis of chemotherapy resistance: achievements, perspectives and challenges in systems medicine. Cell Death and Disease, 2014, 5, e1258-e1258.	6.3	30
144	Analysis of BH3-only proteins upregulated in response to oxygen/glucose deprivation in cortical neurons identifies Bmf but not Noxa as potential mediator of neuronal injury. Cell Death and Disease, 2014, 5, e1456-e1456.	6.3	12

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145	Interrogation of gossypol therapy in glioblastoma implementing cell line and patient-derived tumour models. British Journal of Cancer, 2014, 111, 2275-2286.	6.4	28
146	Effect of the Nâ€methylâ€Dâ€aspartate NR2B subunit antagonist ifenprodil on precursor cell proliferation in the hippocampus. Journal of Neuroscience Research, 2014, 92, 679-691.	2.9	9
147	Validation of an imageable surgical resection animal model of Glioblastoma (GBM). Journal of Neuroscience Methods, 2014, 233, 99-104.	2.5	18
148	Hsp27 binding to the 3â€²UTR ofbimmRNA prevents neuronal death during oxidative stressâ€“induced injury: a novel cytoprotective mechanism. Molecular Biology of the Cell, 2014, 25, 3413-3423.	2.1	16
149	Harnessing system models of cell death signalling for cytotoxic chemotherapy: towards personalised medicine approaches?. Journal of Molecular Medicine, 2014, 92, 227-237.	3.9	11
150	Modulation of Mcl-1 sensitizes glioblastoma to TRAIL-induced apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 629-642.	4.9	42
151	The Frequencies and Clinical Implications of Mutations in 33 Kinase-Related Genes in Locally Advanced Rectal Cancer: A Pilot Study. Annals of Surgical Oncology, 2014, 21, 2642-2649.	1.5	19
152	Increased Expression of MicroRNA-29a in ALS Mice: Functional Analysis of Its Inhibition. Journal of Molecular Neuroscience, 2014, 53, 231-241.	2.3	56
153	Single-Cell Imaging of Bioenergetic Responses to Neuronal Excitotoxicity and Oxygen and Glucose Deprivation. Journal of Neuroscience, 2014, 34, 10192-10205.	3.6	56
154	The BCL-2 family protein Bid is critical for pro-inflammatory signaling in astrocytes. Neurobiology of Disease, 2014, 70, 99-107.	4.4	13
155	Fusobacterium nucleatum associates with stages of colorectal neoplasia development, colorectal cancer and disease outcome. European Journal of Clinical Microbiology and Infectious Diseases, 2014, 33, 1381-1390.	2.9	397
156	Effects of hepatocyte nuclear factor-1A and -4A on pancreatic stone protein/regenerating protein and C-reactive protein gene expression: implications for maturity-onset diabetes of the young. Journal of Translational Medicine, 2013, 11, 156.	4.4	9
157	Angiogenin induces modifications in the astrocyte secretome: Relevance to amyotrophic lateral sclerosis. Journal of Proteomics, 2013, 91, 274-285.	2.4	40
158	The indirect activation model of mitochondrial outer membrane permeabilisation (MOMP) initiation requires a trade-off between robustness in the absence of and sensitivity in the presence of stress. Molecular BioSystems, 2013, 9, 2359.	2.9	7
159	Identification of circulating microRNAs in HNF1A-MODY carriers. Diabetologia, 2013, 56, 1743-1751.	6.3	26
160	Unsupervised mitochondria segmentation using recursive spectral clustering and adaptive similarity models. Journal of Structural Biology, 2013, 184, 401-408.	2.8	8
161	Molecular imaging in the development of a novel treatment paradigm for glioblastoma (GBM): an integrated multidisciplinary commentary. Drug Discovery Today, 2013, 18, 1052-1066.	6.4	15
162	Single cell imaging of the heat shock response during proteasome inhibitor-induced apoptosis in colon cancer cells suggests that magnitude and length rather than time of onset determines resistance to apoptosis. Journal of Cell Science, 2013, 127, 609-19.	2.0	5

#	Article	IF	Citations
163	Systems Analysis of BCL2 Protein Family Interactions Establishes a Model to Predict Responses to Chemotherapy. Cancer Research, 2013, 73, 519-528.	0.9	94
164	Central roles of apoptotic proteins in mitochondrial function. Oncogene, 2013, 32, 2703-2711.	5.9	124
165	Systems modelling methodology for the analysis of apoptosis signal transduction and cell death decisions. Methods, 2013, 61, 165-173.	3.8	13
166	Latrepirdine is a potent activator of AMP-activated protein kinase and reduces neuronal excitability. Translational Psychiatry, 2013, 3, e317-e317.	4.8	22
167	CHOP regulates the p53â€“MDM2 axis and is required for neuronal survival after seizures. Brain, 2013, 136, 577-592.	7.6	95
168	Endonuclease-G and the pathways to dopaminergic neurodegeneration: a question of location?. EMBO Journal, 2013, 32, 3014-3016.	7.8	3
169	Acidotoxicity and acid-sensing ion channels contribute to motoneuron degeneration. Cell Death and Differentiation, 2013, 20, 589-598.	11.2	14
170	Glucose-starved Cells Do Not Engage in Prosurvival Autophagy. Journal of Biological Chemistry, 2013, 288, 30387-30398.	3.4	57
171	<scp>AMP</scp>â€activated protein kinase (<scp>AMPK</scp>)â€“induced preconditioning in primary cortical neurons involves activation of <scp>MCL</scp>â€1. Journal of Neurochemistry, 2013, 124, 721-734.	3.9	27
172	Bmf upregulation through the AMP-activated protein kinase pathway may protect the brain from seizure-induced cell death. Cell Death and Disease, 2013, 4, e606-e606.	6.3	26
173	Activation of executioner caspases is a predictor of progression-free survival in glioblastoma patients: a systems medicine approach. Cell Death and Disease, 2013, 4, e629-e629.	6.3	43
174	Paracrine control of tissue regeneration and cell proliferation by Caspase-3. Cell Death and Disease, 2013, 4, e725-e725.	6.3	109
175	In Vivo Bioluminescence Imaging Validation of a Human Biopsyâ€“Derived Orthotopic Mouse Model of Glioblastoma Multiforme. Molecular Imaging, 2013, 12, 7290.2012.00029.	1.4	22
176	In vivo bioluminescence imaging validation of a human biopsy-derived orthotopic mouse model of glioblastoma multiforme. Molecular Imaging, 2013, 12, 161-72.	1.4	14
177	Charge Profile Analysis Reveals That Activation of Pro-apoptotic Regulators Bax and Bak Relies on Charge Transfer Mediated Allosteric Regulation. PLoS Computational Biology, 2012, 8, e1002565.	3.2	15
178	Fibroblast growth factor homologous factor 1 interacts with NEMO to regulate NF-Î²B signaling in neurons. Journal of Cell Science, 2012, 125, 6058-6070.	2.0	23
179	Systems Analysis of Cancer Cell Heterogeneity in Caspase-dependent Apoptosis Subsequent to Mitochondrial Outer Membrane Permeabilization. Journal of Biological Chemistry, 2012, 287, 41546-41559.	3.4	29
180	Calpains Are Downstream Effectors ofbax-Dependent Excitotoxic Apoptosis. Journal of Neuroscience, 2012, 32, 1847-1858.	3.6	71

#	Article	IF	Citations
181	Systems Biology of the Mitochondrial Apoptosis Pathway. , 2012, , 85-99.		0
182	Two-step activation of FOXO3 by AMPK generates a coherent feed-forward loop determining excitotoxic cell fate. Cell Death and Differentiation, 2012, 19, 1677-1688.	11.2	61
183	A structured approach to the study of metabolic control principles in intact and impaired mitochondria. Molecular BioSystems, 2012, 8, 828.	2.9	2
184	The APP intracellular domain (AICD) potentiates ER stress-induced apoptosis. Neurobiology of Aging, 2012, 33, 2200-2209.	3.1	33
185	Clinical application of a systems model of apoptosis execution for the prediction of colorectal cancer therapy responses and personalisation of therapy. Gut, 2012, 61, 725-733.	12.1	48
186	Serum levels of pancreatic stone protein (PSP)/reg1A as an indicator of beta-cell apoptosis suggest an increased apoptosis rate in hepatocyte nuclear factor 1 alpha (HNF1A-MODY) carriers from the third decade of life onward. BMC Endocrine Disorders, 2012, 12, 13.	2.2	25
187	Hypothesis review: are clathrin-mediated endocytosis and clathrin-dependent membrane and protein trafficking core pathophysiological processes in schizophrenia and bipolar disorder?. Molecular Psychiatry, 2012, 17, 669-681.	7.9	78
188	Molecular Mechanisms in Amyotrophic Lateral Sclerosis: The Role of Angiogenin, a Secreted RNase. Frontiers in Neuroscience, 2012, 6, 167.	2.8	33
189	Motoneurons Secrete Angiogenin to Induce RNA Cleavage in Astroglia. Journal of Neuroscience, 2012, 32, 5024-5038.	3.6	81
190	Apoptosome-dependent caspase activation proteins as prognostic markers in Stage II and III colorectal cancer. British Journal of Cancer, 2012, 106, 1499-1505.	6.4	23
191	Analyzing proteasomal subunit expression reveals Rpt4 as a prognostic marker in stage II colorectal cancer. International Journal of Cancer, 2012, 131, E494-500.	5.1	2
192	A reverse-ELISA for the detection of TRIM28/KAP1 serum autoantibodies in colorectal cancer patients. Acta OncolÃ³gica, 2012, 51, 394-396.	1.8	12
193	Proteasome Inhibition Can Impair Caspase-8 Activation upon Submaximal Stimulation of Apoptotic Tumor Necrosis Factor-related Apoptosis Inducing Ligand (TRAIL) Signaling. Journal of Biological Chemistry, 2012, 287, 14402-14411.	3.4	33
194	â€˜Mild mitochondrial uncouplingâ€™ induced protection against neuronal excitotoxicity requires AMPK activity. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 744-753.	1.0	37
195	Role of 5â€²-Adenosine Monophosphate-Activated Protein Kinase in Cell Survival and Death Responses in Neurons. Antioxidants and Redox Signaling, 2011, 14, 1863-1876.	5.4	70
196	Glucose metabolism determines resistance of cancer cells to bioenergetic crisis after cytochromeâ€• c release. Molecular Systems Biology, 2011, 7, 470.	7.2	49
197	Bclâ€2 homology domain 3â€•only proteins Puma and Bim mediate the vulnerability of CA1 hippocampal neurons to proteasome inhibition inâ€ƒvivo. European Journal of Neuroscience, 2011, 33, 401-408.	2.6	19
198	Method of calibration of a fluorescence microscope for quantitative studies. Journal of Microscopy, 2011, 244, 101-111.	1.8	24

#	Article	IF	Citations
199	In vivoContributions of BH3-Only Proteins to Neuronal Death Following Seizures, Ischemia, and Traumatic Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1196-1210.	4.3	61
200	MicroRNAs 10a and 10b are potent inducers of neuroblastoma cell differentiation through targeting of nuclear receptor corepressor 2. Cell Death and Differentiation, 2011, 18, 1089-1098.	11.2	129
201	Proteasome inhibition can induce an autophagy-dependent apical activation of caspase-8. Cell Death and Differentiation, 2011, 18, 1584-1597.	11.2	120
202	Mathematical modelling of the mitochondrial apoptosis pathway. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 608-615.	4.1	23
203	Rapamycin protects against dominant negative-HNF1A-induced apoptosis in INS-1 cells. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 1128-1137.	4.9	3
204	KCa2 channels activation prevents [Ca2+]i deregulation and reduces neuronal death following glutamate toxicity and cerebral ischemia. Cell Death and Disease, 2011, 2, e147-e147.	6.3	49
205	Bone Morphogenetic Protein 3 Controls Insulin Gene Expression and Is Down-regulated in INS-1 Cells Inducibly Expressing a Hepatocyte Nuclear Factor 1Aâ€“Maturity-onset Diabetes of the Young Mutation. Journal of Biological Chemistry, 2011, 286, 25719-25728.	3.4	17
206	Human IgG antibody profiles differentiate between symptomatic patients with and without colorectal cancer. Gut, 2010, 59, 69-78.	12.1	62
207	Extracellular calcium depletion transiently elevates oxygen consumption in neurosecretory PC12 cells through activation of mitochondrial Na+/Ca2+ exchange. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1627-1637.	1.0	29
208	NMDA-induced injury of mouse organotypic hippocampal slice cultures triggers delayed neuroblast proliferation in the dentate gyrus: An in vitro model for the study of neural precursor cell proliferation. Brain Research, 2010, 1359, 22-32.	2.2	14
209	Diffusion is capable of translating anisotropic apoptosis initiation into a homogeneous execution of cell death. BMC Systems Biology, 2010, 4, 9.	3.0	20
210	The amyloid precursor protein intracellular domain (AICD) disrupts actin dynamics and mitochondrial bioenergetics. Journal of Neurochemistry, 2010, 113, 275-284.	3.9	30
211	Differential expression patterns of Puma and Hsp70 following proteasomal stress in the hippocampus are key determinants of neuronal vulnerability. Journal of Neurochemistry, 2010, 114, 606-616.	3.9	24
212	BH3â€only protein Bid is dispensable for seizureâ€induced neuronal death and the associated nuclear accumulation of apoptosisâ€inducing factor. Journal of Neurochemistry, 2010, 115, 92-101.	3.9	24
213	Single-cell quantification of Bax activation and mathematical modelling suggest pore formation on minimal mitochondrial Bax accumulation. Cell Death and Differentiation, 2010, 17, 278-290.	11.2	95
214	Contrasting patterns of Bim induction and neuroprotection in Bim-deficient mice between hippocampus and neocortex after status epilepticus. Cell Death and Differentiation, 2010, 17, 459-468.	11.2	43
215	Expanding the Substantial Interactome of NEMO Using Protein Microarrays. PLoS ONE, 2010, 5, e8799.	2.5	42
216	Reduced hippocampal damage and epileptic seizures after status epilepticus in mice lacking proapoptotic Puma. FASEB Journal, 2010, 24, 853-861.	0.5	65

#	Article	IF	Citations
217	AMP kinaseâ€“mediated activation of the BH3-only protein Bim couples energy depletion to stress-induced apoptosis. Journal of Cell Biology, 2010, 189, 83-94.	5.2	142
218	Activity of protein kinase CK2 uncouples Bid cleavage from caspase-8 activation. Journal of Cell Science, 2010, 123, 1401-1406.	2.0	28
219	Characterization of Puma-Dependent and Puma-Independent Neuronal Cell Death Pathways following Prolonged Proteasomal Inhibition. Molecular and Cellular Biology, 2010, 30, 5484-5501.	2.3	18
220	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. Journal of Biological Chemistry, 2010, 285, 36199-36206.	3.4	38
221	Protein Macroarray Profiling of Serum Autoantibodies in Pseudoexfoliation Glaucoma. , 2010, 51, 2968.		34
222	Xanthohumolâ€induced transient superoxide anion radical formation triggers cancer cells into apoptosis via a mitochondriaâ€mediated mechanism. FASEB Journal, 2010, 24, 2938-2950.	0.5	78
223	Loss of p53 results in protracted electrographic seizures and development of an aggravated epileptic phenotype following status epilepticus. Cell Death and Disease, 2010, 1, e79-e79.	6.3	50
224	XIAP impairs Smac release from the mitochondria during apoptosis. Cell Death and Disease, 2010, 1, e49-e49.	6.3	51
225	BH3-only proteins BIM and PUMA in the regulation of survival and neuronal differentiation of newly generated cells in the adult mouse hippocampus. Cell Death and Disease, 2010, 1, e15-e15.	6.3	28
226	Enhanced vulnerability of PARK6 patient skin fibroblasts to apoptosis induced by proteasomal stress. Neuroscience, 2010, 166, 422-434.	2.3	39
227	Deletion of puma protects hippocampal neurons in a model of severe status epilepticus. Neuroscience, 2010, 168, 443-450.	2.3	25
228	INS-1 Cells Undergoing Caspase-Dependent Apoptosis Enhance the Regenerative Capacity of Neighboring Cells. Diabetes, 2010, 59, 2799-2808.	0.6	40
229	AMP kinaseâ€“mediated activation of the BH3-only protein Bim couples energy depletion to stress-induced apoptosis. Journal of Experimental Medicine, 2010, 207, i12-i12.	8.5	0
230	ALISSA: an automated live-cell imaging system for signal transduction analyses. BioTechniques, 2009, 47, 1033-1040.	1.8	9
231	Bid and Calpains Cooperate to Trigger Oxaliplatin-Induced Apoptosis of Cervical Carcinoma HeLa Cells. Molecular Pharmacology, 2009, 76, 998-1010.	2.3	18
232	Regulation of Glucose Transporter 3 Surface Expression by the AMP-Activated Protein Kinase Mediates Tolerance to Glutamate Excitation in Neurons. Journal of Neuroscience, 2009, 29, 2997-3008.	3.6	153
233	Apoptosis signaling proteins as prognostic biomarkers in colorectal cancer: A review. Biochimica Et Biophysica Acta: Reviews on Cancer, 2009, 1795, 117-129.	7.4	76
234	Early loss of mammalian target of rapamycin complex 1 (mTORC1) signalling and reduction in cell size during dominant-negative suppression of hepatic nuclear factor 1-Î± (HNF1A) function in INS-1 insulinoma cells. Diabetologia, 2009, 52, 136-144.	6.3	11

#	Article	IF	Citations
235	Dynamics of outer mitochondrial membrane permeabilization during apoptosis. Cell Death and Differentiation, 2009, 16, 613-623.	11.2	125
236	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. Cell Death and Differentiation, 2009, 16, 1093-1107.	11.2	599
237	Angiogenin protects motoneurons against hypoxic injury. Cell Death and Differentiation, 2009, 16, 1238-1247.	11.2	98
238	TOXI-SIMâ€"A simulation tool for the analysis of mitochondrial and plasma membrane potentials. Journal of Neuroscience Methods, 2009, 176, 270-275.	2.5	8
239	Identification of polyubiquitin binding proteins involved in NF-Î°B signaling using protein arrays. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1010-1016.	2.3	54
240	Effects of transient focal cerebral ischemia in mice deficient in puma. Neuroscience Letters, 2009, 451, 237-240.	2.1	16
241	Pharmacological inhibition of Bcl-2 family members reactivates TRAIL-induced apoptosis in malignant glioma. Journal of Neuro-Oncology, 2008, 86, 265-272.	2.9	69
242	Upregulation of DR5 by proteasome inhibitors potently sensitizes glioma cells to TRAILâ€induced apoptosis. FEBS Journal, 2008, 275, 1925-1936.	4.7	45
243	Role of Smac in cephalostatin-induced cell death. Cell Death and Differentiation, 2008, 15, 1930-1940.	11.2	20
244	6â€Hydroxydopamine activates the mitochondrial apoptosis pathway through p38 MAPKâ€mediated, p53â€independent activation of Bax and PUMA. Journal of Neurochemistry, 2008, 104, 1599-1612.	3.9	121
245	NMDA receptorâ€mediated excitotoxic neuronal apoptosis in vitro and in vivo occurs in an ER stress and PUMA independent manner. Journal of Neurochemistry, 2008, 105, 891-903.	3.9	47
246	Depletion of 14â€3â€3 zeta elicits endoplasmic reticulum stress and cell death, and increases vulnerability to kainateâ€induced injury in mouse hippocampal cultures. Journal of Neurochemistry, 2008, 106, 978-988.	3.9	38
247	Intracellular signaling dynamics during apoptosis execution in the presence or absence of X-linked-inhibitor-of-apoptosis-protein. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 1903-1913.	4.1	29
248	Hippocampal transcriptome after status epilepticus in mice rendered seizure damage-tolerant by epileptic preconditioning features suppressed calcium and neuronal excitability pathways. Neurobiology of Disease, 2008, 32, 442-453.	4.4	68
249	BH3 Mimetics Reactivate Autophagic Cell Death in Anoxia-Resistant Malignant Glioma Cells. Neoplasia, 2008, 10, 873-885.	5.3	24
250	Dynamics of Intracellular Oxygen in PC12 Cells upon Stimulation of Neurotransmission. Journal of Biological Chemistry, 2008, 283, 5650-5661.	3.4	38
251	Real Time Analysis of Tumor Necrosis Factor-related Apoptosis-inducing Ligand/Cycloheximide-induced Caspase Activities during Apoptosis Initiation. Journal of Biological Chemistry, 2008, 283, 21676-21685.	3.4	56
252	Cytoplasmic Inclusions of Htt Exon1 Containing an Expanded Polyglutamine Tract Suppress Execution of Apoptosis in Sympathetic Neurons. Journal of Neuroscience, 2008, 28, 14401-14415.	3.6	17

#	Article	IF	Citations
253	Control of Motoneuron Survival by Angiogenin. Journal of Neuroscience, 2008, 28, 14056-14061.	3.6	154
254	Bid Participates in Genotoxic Drug-Induced Apoptosis of HeLa Cells and Is Essential for Death Receptor Ligands' Apoptotic and Synergistic Effects. PLoS ONE, 2008, 3, e2844.	2.5	24
255	Paraoxonase promoter and intronic variants modify risk of sporadic amyotrophic lateral sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2007, 78, 984-986.	1.9	54
256	Mitochondrial and Plasma Membrane Potential of Cultured Cerebellar Neurons during Glutamate-Induced Necrosis, Apoptosis, and Tolerance. Journal of Neuroscience, 2007, 27, 8238-8249.	3.6	106
257	APOPTO-CELL a simulation tool and interactive database for analyzing cellular susceptibility to apoptosis. Bioinformatics, 2007, 23, 648-650.	4.1	30
258	Deletion of the BH3-only protein puma protects motoneurons from ER stress-induced apoptosis and delays motoneuron loss in ALS mice. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20606-20611.	7.1	122
259	Modulation of Gene Expression and Cytoskeletal Dynamics by the Amyloid Precursor Protein Intracellular Domain (AICD). Molecular Biology of the Cell, 2007, 18, 201-210.	2.1	120
260	Microarray profile of seizure damage-refractory hippocampal CA3 in a mouse model of epileptic preconditioning. Neuroscience, 2007, 150, 467-477.	2.3	45
261	Bcl-w Protects Hippocampus during Experimental Status Epilepticus. American Journal of Pathology, 2007, 171, 1258-1268.	3.8	52
262	Reactive Oxygen Species and p38 Mitogen-Activated Protein Kinase Activate Bax to Induce Mitochondrial Cytochrome c Release and Apoptosis in Response to Malonate. Molecular Pharmacology, 2007, 71, 736-743.	2.3	130
263	Full length Bid is sufficient to induce apoptosis of cultured rat hippocampal neurons. BMC Cell Biology, 2007, 8, 7.	3.0	38
264	Apoptosis induced by proteasome inhibition in cancer cells: predominant role of the p53/PUMA pathway. Oncogene, 2007, 26, 1681-1692.	5.9	91
265	The amyloid precursor protein potentiates CHOP induction and cell death in response to ER Ca2+ depletion. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 157-165.	4.1	39
266	9-Benzylidene-naphtho[2,3-b]thiophen-4-ones and benzylidene-9(10H)-anthracenones as novel tubulin interacting agents with high apoptosis-inducing activity. European Journal of Pharmacology, 2007, 575, 34-45.	3.5	16
267	Coincident enrichment of phosphorylated ÎºBÎ±, activated IKK, and phosphorylated p65 in the axon initial segment of neurons. Molecular and Cellular Neurosciences, 2006, 33, 68-80.	2.2	49
268	Active secretion of S100B from astrocytes during metabolic stress. Neuroscience, 2006, 141, 1697-1701.	2.3	106
269	Induction of transcription factor CEBP homology protein mediates hypoglycaemia-induced necrotic cell death in human neuroblastoma cells. Journal of Neurochemistry, 2006, 99, 952-964.	3.9	13
270	ANG mutations segregate with familial and 'sporadic' amyotrophic lateral sclerosis. Nature Genetics, 2006, 38, 411-413.	21.4	617

#	Article	IF	Citations
271	Systems analysis of effector caspase activation and its control by X-linked inhibitor of apoptosis protein. EMBO Journal, 2006, 25, 4338-4349.	7.8	203
272	Caspase-3 Cleavage and Nuclear Localization of Caspase-Activated DNase in Human Temporal Lobe Epilepsy. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 583-589.	4.3	43
273	Downregulation of protein kinase B/Akt-1 mediates INS-1 insulinoma cell apoptosis induced by dominant-negative suppression of hepatocyte nuclear factor-1alpha function. Diabetologia, 2006, 49, 519-526.	6.3	16
274	Endoplasmic Reticulum Stress and Apoptosis Signaling in Human Temporal Lobe Epilepsy. Journal of Neuropathology and Experimental Neurology, 2006, 65, 217-225.	1.7	72
275	Elevated serum angiogenin levels in ALS. Neurology, 2006, 67, 1833-1836.	1.1	71
276	Real Time Single Cell Analysis of Bid Cleavage and Bid Translocation during Caspase-dependent and Neuronal Caspase-independent Apoptosis. Journal of Biological Chemistry, 2006, 281, 5837-5844.	3.4	71
277	Regulation of gene expression by the amyloid precursor protein: inhibition of the JNK/c-Jun pathway. Cell Death and Differentiation, 2005, 12, 1-9.	11.2	58
278	Real-time measurements of protein dynamics. , 2005, , .		0
279	TGF-Î²1 activates two distinct type I receptors in neurons. Journal of Cell Biology, 2005, 168, 1077-1086.	5.2	113
280	Activation of p53 and the pro-apoptotic p53 target gene PUMA during depolarization-induced apoptosis of chromaffin cells. Experimental Neurology, 2005, 196, 96-103.	4.1	16
281	Neuronal Apoptosis: BH3-Only Proteins the Real Killers?. Journal of Bioenergetics and Biomembranes, 2004, 36, 295-298.	2.3	28
282	S100B potently activates p65/c-Rel transcriptional complexes in hippocampal neurons: Clinical implications for the role of S100B in excitotoxic brain injury. Neuroscience, 2004, 127, 913-920.	2.3	76
283	The Self-Destruction of Neurons Physiological and Pathophysiological Decisions for the Functional Integrity. , 2004, , 79-93.		0
284	Control mitocondrial de la muerte neuronal y su papel en las enfermedades neurodegenerativas. Journal of Physiology and Biochemistry, 2003, 59, 129-141.	3.0	97
285	S100B in brain damage and neurodegeneration. Microscopy Research and Technique, 2003, 60, 614-632.	2.2	506
286	The amyloid precursor protein protects PC12 cells against endoplasmic reticulum stress-induced apoptosis. Journal of Neurochemistry, 2003, 87, 248-256.	3.9	57
287	The death associated protein (DAP) kinase homologue Dlk/ZIP kinase induces p19ARF- and p53-independent apoptosis. European Journal of Cancer, 2003, 39, 249-256.	2.8	16
288	Novel Benzylidene-9(10H)-anthracenones as Highly Active Antimicrotubule Agents. Synthesis, Antiproliferative Activity, and Inhibition of Tubulin Polymerization. Journal of Medicinal Chemistry, 2003, 46, 3382-3394.	6.4	70

#	Article	IF	Citations
289	Mitochondrial Membrane Permeabilization and Superoxide Production during Apoptosis. Journal of Biological Chemistry, 2003, 278, 12645-12649.	3.4	58
290	Real-time single cell analysis of Smac/DIABLO release during apoptosis. Journal of Cell Biology, 2003, 162, 1031-1043.	5.2	143
291	Gene expression during ER stressâ€“induced apoptosis in neurons. Journal of Cell Biology, 2003, 162, 587-597.	5.2	343
292	Outer mitochondrial membrane permeabilization during apoptosis triggers caspase-independent mitochondrial and caspase-dependent plasma membrane potential depolarization: a single-cell analysis. Journal of Cell Science, 2003, 116, 525-536.	2.0	102
293	Dominant-negative Suppression of HNF-1Î± Results in Mitochondrial Dysfunction, INS-1 Cell Apoptosis, and Increased Sensitivity to Ceramide-, but Not to High Glucose-induced Cell Death. Journal of Biological Chemistry, 2002, 277, 6413-6421.	3.4	55
294	Single-cell Fluorescence Resonance Energy Transfer Analysis Demonstrates That Caspase Activation during Apoptosis Is a Rapid Process. Journal of Biological Chemistry, 2002, 277, 24506-24514.	3.4	276
295	Nerve growth factor survival signaling in cultured hippocampal neurons is mediated through TrkA and requires the common neurotrophin receptor P75. Neuroscience, 2002, 115, 1089-1108.	2.3	140
296	p75 neurotrophin receptor is required for constitutive and NGF-induced survival signalling in PC12 cells and rat hippocampal neurones. Journal of Neurochemistry, 2002, 81, 594-605.	3.9	65
297	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. Journal of Neurochemistry, 2002, 82, 482-494.	3.9	30
298	Ca2+ and Reactive Oxygen Species in Staurosporine-Induced Neuronal Apoptosis. Journal of Neurochemistry, 2002, 68, 1679-1685.	3.9	117
299	Vascular Endothelial Growth Factor Protects Cultured Rat Hippocampal Neurons against Hypoxic Injury via an Antiexcitotoxic, Caspase-Independent Mechanism. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1170-1175.	4.3	113
300	Vascular Endothelial Growth Factor Protects Cultured Rat Hippocampal Neurons Against Hypoxic Injury via an Antiexcitotoxic, Caspase-Independent Mechanism. Journal of Cerebral Blood Flow and Metabolism, 2002, , 1170-1175.	4.3	41
301	Up-regulation of Bcl-xL in response to subtoxic Î²-amyloid: role in neuronal resistance against apoptotic and oxidative injury. Neuroscience, 2001, 102, 139-150.	2.3	34
302	Dissipation of Potassium and Proton Gradients Inhibits Mitochondrial Hyperpolarization and Cytochrome c Release during Neural Apoptosis. Journal of Neuroscience, 2001, 21, 4551-4563.	3.6	93
303	Multiple Kinetics of Mitochondrial CytochromecRelease in Drug-Induced Apoptosis. Molecular Pharmacology, 2001, 60, 1008-1019.	2.3	53
304	Ca2+-induced inhibition of apoptosis in human SH-SY5Y neuroblastoma cells: degradation of apoptotic protease activating factor-1 (APAF-1). Journal of Neurochemistry, 2001, 78, 1256-1266.	3.9	53
305	The DAP kinase family of proâ€apoptotic proteins: novel players in the apoptotic game. BioEssays, 2001, 23, 352-358.	2.5	89
306	Dlk/ZIP kinase-induced apoptosis in human medulloblastoma cells: requirement of the mitochondrial apoptosis pathway. British Journal of Cancer, 2001, 85, 1801-1808.	6.4	63

#	Article	IF	Citations
307	Activation of Nuclear Factor Î¹b and bcl-x Survival Gene Expression by Nerve Growth Factor Requires Tyrosine Phosphorylation of IÎ¹BÎ±. Journal of Cell Biology, 2001, 152, 753-764.	5.2	129
308	Delayed Mitochondrial Dysfunction in Excitotoxic Neuron Death: CytochromecRelease and a Secondary Increase in Superoxide Production. Journal of Neuroscience, 2000, 20, 5715-5723.	3.6	219
309	Activation of Calpain I Converts Excitotoxic Neuron Death into a Caspase-independent Cell Death. Journal of Biological Chemistry, 2000, 275, 17064-17071.	3.4	245
310	Mitochondrial Depolarization Is Not Required for Neuronal Apoptosis. Journal of Neuroscience, 1999, 19, 7394-7404.	3.6	189
311	The Î²2-adrenoceptor agonist clenbuterol modulates Bcl-2, Bcl-xl and Bax protein expression following transient forebrain ischemia. Neuroscience, 1999, 90, 1255-1263.	2.3	49
312	Mitochondrial transmembrane potential and free radical production in excitotoxic neurodegeneration. Naunyn-Schmiedeberg's Archives of Pharmacology, 1998, 357, 316-322.	3.0	50
313	NMDA-induced superoxide production and neurotoxicity in cultured rat hippocampal neurons: role of mitochondria. European Journal of Neuroscience, 1998, 10, 1903-1910.	2.6	138
314	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. Journal of Neuroscience, 1998, 18, 8186-8197.	3.6	160
315	p53 Expression Induces Apoptosis in Hippocampal Pyramidal Neuron Cultures. Journal of Neuroscience, 1997, 17, 1397-1405.	3.6	163
316	Activation of ATP-sensitive potassium channels decreases neuronal injury caused by chemical hypoxia. Brain Research, 1997, 751, 295-299.	2.2	37
317	Opposite effects of TGF-Î²1 on rapidly- and slowly-triggered excitotoxic injury. Neuropharmacology, 1996, 35, 249-256.	4.1	37
318	Marked diversity in the action of growth factors on N-methyl-d-rmaspartate-induced neuronal degeneration. European Journal of Pharmacology, 1996, 306, 81-88.	3.5	41
319	TGF-Î²1 Protects Hippocampal Neurons Against Degeneration Caused by Transient Global Ischemia. Stroke, 1996, 27, 1609-1615.	2.0	182
320	Are NMDA or AMPA/kainate receptor antagonists more efficacious in the delayed treatment of excitotoxic neuronal injury?. European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section, 1995, 292, 179-189.	0.8	15
321	Protective effects of 5-HT1A receptor agonists against neuronal damage demonstrated in vivo and in vitro. Journal of Neural Transmission Parkinson's Disease and Dementia Section, 1994, 8, 73-83.	1.2	23
322	Opposing effects of transforming growth factor-Î²1 on glutamate neurotoxicity. Neuroscience, 1994, 60, 7-10.	2.3	44
323	Regulation of neuronal Bcl2 protein expression and calcium homeostasis by transforming growth factor type beta confers wide-ranging protection on rat hippocampal neurons.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 12599-12603.	7.1	209
324	Neuroprotective Effects of 5-HT1A Receptor Agonists. , 1994, , 204-216.		0

#	Article	IF	Citations
325	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. Journal of Neuroscience Research, 1993, 34, 179-188.	2.9	84
326	Transforming Growth Factor-Î²₁Prevents Glutamate Neurotoxicity in Rat Neocortical Cultures and Protects Mouse Neocortex from Ischemic Injury in vivo. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 521-525.	4.3	230
327	Isoform-Specific Effects of Transforming Growth Factors-? on Degeneration of Primary Neuronal Cultures Induced by Cytotoxic Hypoxia or Glutamate. Journal of Neurochemistry, 1993, 60, 1665-1672.	3.9	103
328	Effects of serotonergic drugs in experimental brain ischemia: evidence for a protective role of serotonin in cerebral ischemia. Brain Research, 1993, 630, 10-20.	2.2	88
329	Dihydrolipoate Reduces Neuronal Injury after Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 1992, 12, 78-87.	4.3	67
330	Potential Role of 5-Hydroxytryptamine1A Receptors in Cerebral Ischemia. , 1992, , 137-146.		1
331	Neuroprotective properties of 5-HT1A receptor agonists En rodent models of focal and global cerebral ischemia. European Journal of Pharmacology, 1991, 203, 213-222.	3.5	77
332	Apoptotic and Necroptotic Mediators are Differentially Expressed in Mucinous and Non-Mucinous Colorectal Cancer. Frontiers in Oncology, 0, 12, .	2.8	0