

Jochen H M Prehn

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.

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	Clinical Oncogenomics and Personalized Medicine in Colorectal Cancer for the Surgeon: What We Need to Know and What the Future Holds. <i>SN Comprehensive Clinical Medicine</i> , 2022 , 4, 1	2.7	
325	Modelling β -Synuclein Aggregation and Neurodegeneration with Fibril Seeds in Primary Cultures of Mouse Dopaminergic Neurons. <i>Cells</i> , 2022 , 11, 1640	7.9	2
324	Mitochondrial Carrier Homolog 2 Functionally Co-operates With BH3 Interacting-Domain Death Agonist in Promoting Ca-Induced Neuronal Injury. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 750100	5.7	1
323	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
322	Development of a protein signature to enable clinical positioning of IAP inhibitors in colorectal cancer. <i>FEBS Journal</i> , 2021 , 288, 5374-5388	5.7	1
321	Resistance to Cell Death in Mucinous Colorectal Cancer-A Review. <i>Cancers</i> , 2021 , 13,	6.6	5
320	Mucinous and non-mucinous colorectal cancers show differential expression of chemotherapy metabolism and resistance genes. <i>Pharmacogenomics Journal</i> , 2021 , 21, 510-519	3.5	1
319	Neuronal cell-based high-throughput screen for enhancers of mitochondrial function reveals luteolin as a modulator of mitochondria-endoplasmic reticulum coupling. <i>BMC Biology</i> , 2021 , 19, 57	7.3	8
318	Mucinous Colorectal Cancer is Associated With Expression of the TIM-3 Immune Checkpoint Independently of Microsatellite Instability (MSI) Status. <i>Annals of Surgical Oncology</i> , 2021 , 28, 7999-8006 ^{3.1}		1
317	The spleen as a sanctuary site for residual leukemic cells following ABT-199 monotherapy in ETP-ALL. <i>Blood Advances</i> , 2021 , 5, 1963-1976	7.8	3
316	Transcriptional CDK Inhibitors CYC065 and THZ1 Induce Apoptosis in Glioma Stem Cells Derived from Recurrent GBM. <i>Cells</i> , 2021 , 10,	7.9	1
315	Systemic delivery of antagomirs during blood-brain barrier disruption is disease-modifying in experimental epilepsy. <i>Molecular Therapy</i> , 2021 , 29, 2041-2052	11.7	7
314	BCL(X)L and BCL2 increase the metabolic fitness of breast cancer cells: a single-cell imaging study. <i>Cell Death and Differentiation</i> , 2021 , 28, 1512-1531	12.7	6
313	Multiple screening approaches reveal HDAC6 as a novel regulator of glycolytic metabolism in triple-negative breast cancer. <i>Science Advances</i> , 2021 , 7,	14.3	13
312	Molecular Subtyping Combined with Biological Pathway Analyses to Study Regorafenib Response in Clinically Relevant Mouse Models of Colorectal Cancer. <i>Clinical Cancer Research</i> , 2021 , 27, 5979-5992	12.9	2
311	Patients with mesenchymal tumours and high prevalence have worse prognosis in colorectal cancer (CRC). <i>Gut</i> , 2021 ,	19.2	2
310	BCL(X)L and BCL2 increase mitochondrial dynamics in breast cancer cell: Evidence from functional and genetic studies. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1868, 119095	4.9	2

309	tRNA-derived fragments: A new class of non-coding RNA with key roles in nervous system function and dysfunction. <i>Progress in Neurobiology</i> , 2021 , 205, 102118	10.9	5
308	TAMI-51. IDENTIFYING NEW TUMOR MICROENVIRONMENT (TME) CONTEXTS OF VULNERABILITY IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2020 , 22, ii224-ii224	1	1
307	AMPK Preferentially Depresses Retrograde Transport of Axonal Mitochondria during Localized Nutrient Deprivation. <i>Journal of Neuroscience</i> , 2020 , 40, 4798-4812	6.6	6
306	Combination of variations in inflammation- and endoplasmic reticulum-associated genes as putative biomarker for bevacizumab response in KRAS wild-type colorectal cancer. <i>Scientific Reports</i> , 2020 , 10, 9778	4.9	1
305	Angiogenin and tRNA fragments in Parkinson's disease and neurodegeneration. <i>Acta Pharmacologica Sinica</i> , 2020 , 41, 442-446	8	17
304	Genomic and Transcriptomic Characterisation of Response to Neoadjuvant Chemoradiotherapy in Locally Advanced Rectal Cancer. <i>Cancers</i> , 2020 , 12,	6.6	8
303	A systems approach delivers a functional microRNA catalog and expanded targets for seizure suppression in temporal lobe epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 15977-15988	11.5	19
302	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. <i>Carcinogenesis</i> , 2020 , 41, 1219-1228	4.6	6
301	C9orf72 associates with inactive Rag GTPases and regulates mTORC1-mediated autophagosomal and lysosomal biogenesis. <i>Aging Cell</i> , 2020 , 19, e13126	9.9	20
300	Loss of angiogenin function is related to earlier ALS onset and a paradoxical increase in ALS duration. <i>Scientific Reports</i> , 2020 , 10, 3715	4.9	4
299	Circulating miR-330-3p in Late Pregnancy is Associated with Pregnancy Outcomes Among Lean Women with GDM. <i>Scientific Reports</i> , 2020 , 10, 908	4.9	12
298	The apoptosome molecular timer synergises with XIAP to suppress apoptosis execution and contributes to prognosticating survival in colorectal cancer. <i>Cell Death and Differentiation</i> , 2020 , 27, 2828-2842 ³	12.7	3
297	Microsatellite instability and response to neoadjuvant chemoradiotherapy in rectal cancer: A systematic review and meta-analysis. <i>Surgical Oncology</i> , 2020 , 34, 57-62	2.5	10
296	TMOD-12. ESTABLISHING A CLINICALLY RELEVANT MODEL OF MESENCHYMAL GLIOBLASTOMA (GBM) TO STUDY RESPONSE TO STANDARD OF CARE TREATMENT AND IMMUNE CHECKPOINT INHIBITION (ICI).. <i>Neuro-Oncology</i> , 2020 , 22, ii230-ii230	1	
295	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. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2020 , 32, 57-66	1.6	1
294	Genome-wide microRNA profiling of plasma from three different animal models identifies biomarkers of temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2020 , 144, 105048	7.5	14
293	Systems biology analysis identifies molecular determinants of chemotherapy-induced diarrhoea. <i>Journal of Molecular Medicine</i> , 2020 , 98, 149-159	5.5	1
292	Mucinous adenocarcinoma is a pharmacogenomically distinct subtype of colorectal cancer. <i>Pharmacogenomics Journal</i> , 2020 , 20, 524-532	3.5	12

291	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
290	New hints towards a precision medicine strategy for IDH wild-type glioblastoma. <i>Annals of Oncology</i> , 2020 , 31, 1679-1692	10.3	14
289	Mucinous Adenocarcinoma of the Rectum: A Whole Genome Sequencing Study. <i>Frontiers in Oncology</i> , 2020 , 10, 1682	5.3	3
288	5'ValCAC tRNA fragment generated as part of a protective angiogenin response provides prognostic value in amyotrophic lateral sclerosis. <i>Brain Communications</i> , 2020 , 2, fcaa138	4.5	3
287	Quantification of tRNA fragments by electrochemical direct detection in small volume biofluid samples. <i>Scientific Reports</i> , 2020 , 10, 7516	4.9	5
286	A Context-Dependent Role for MiR-124-3p on Cell Phenotype, Viability and Chemosensitivity in Neuroblastoma. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 559553	5.7	6
285	Proglucagon-Derived Peptides Expression and Secretion in Rat Insulinoma INS-1 Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 590763	5.7	2
284	Molecular subtype-specific responses of colon cancer cells to the SMAC mimetic Birinapant. <i>Cell Death and Disease</i> , 2020 , 11, 1020	9.8	3
283	Systems analysis of protein signatures predicting cetuximab responses in KRAS, NRAS, BRAF and PIK3CA wild-type patient-derived xenograft models of metastatic colorectal cancer. <i>International Journal of Cancer</i> , 2020 , 147, 2891-2901	7.5	1
282	Heterogeneous responses to low level death receptor activation are explained by random molecular assembly of the Caspase-8 activation platform. <i>PLoS Computational Biology</i> , 2019 , 15, e1007374	5.4	4
281	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
280	Electrical stimulation of the ventral hippocampal commissure delays experimental epilepsy and is associated with altered microRNA expression. <i>Brain Stimulation</i> , 2019 , 12, 1390-1401	5.1	8
279	Context-Specific Switch from Anti- to Pro-epileptogenic Function of the P2Y Receptor in Experimental Epilepsy. <i>Journal of Neuroscience</i> , 2019 , 39, 5377-5392	6.6	19
278	A Machine Learning Platform to Optimize the Translation of Personalized Network Models to the Clinic. <i>JCO Clinical Cancer Informatics</i> , 2019 , 3, 1-17	5.2	1
277	Meta-analysis of the molecular associations of mucinous colorectal cancer. <i>British Journal of Surgery</i> , 2019 , 106, 682-691	5.3	25
276	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
275	Implementing Reverse Phase Protein Array Profiling as a Sensitive Method for the Early Pre-Clinical Detection of Off-Target Toxicities Associated with Sunitinib Malate. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800159	3.1	3
274	The Anti-inflammatory Compound Candesartan Cilixetil Improves Neurological Outcomes in a Mouse Model of Neonatal Hypoxia. <i>Frontiers in Immunology</i> , 2019 , 10, 1752	8.4	7

273	Mixed copper(ii)-phenanthroline complexes induce cell death of ovarian cancer cells by evoking the unfolded protein response. <i>Metallomics</i> , 2019 , 11, 1481-1489	4.5	10
272	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
271	Elevation in plasma tRNA fragments precede seizures in human epilepsy. <i>Journal of Clinical Investigation</i> , 2019 , 129, 2946-2951	15.9	44
270	HCP: A Matlab package to create beautiful heatmaps with richly annotated covariates. <i>Journal of Open Source Software</i> , 2019 , 4, 1291	5.2	1
269	Vascular regression precedes motor neuron loss in the FUS (1-359) ALS mouse model. <i>DMM Disease Models and Mechanisms</i> , 2019 , 12,	4.1	7
268	Mucinous adenocarcinoma of the colon and rectum: A genomic analysis. <i>Journal of Surgical Oncology</i> , 2019 , 120, 1427-1435	2.8	15
267	System-based approaches as prognostic tools for glioblastoma. <i>BMC Cancer</i> , 2019 , 19, 1092	4.8	6
266	Implementing Patient-Derived Xenografts to Assess the Effectiveness of Cyclin-Dependent Kinase Inhibitors in Glioblastoma. <i>Cancers</i> , 2019 , 11,	6.6	6
265	Elevated Plasma microRNA-206 Levels Predict Cognitive Decline and Progression to Dementia from Mild Cognitive Impairment. <i>Biomolecules</i> , 2019 , 9,	5.9	23
264	Manifestations of Drug Toxicity on Mitochondria in the Nervous System 2018 , 133-167		
263	Simulating and predicting cellular and in vivo responses of colon cancer to combined treatment with chemotherapy and IAP antagonist Birinapant/TL32711. <i>Cell Death and Differentiation</i> , 2018 , 25, 1952-1966	12.7	10
262	The BAX/BAK-like protein BOK is a prognostic marker in colorectal cancer. <i>Cell Death and Disease</i> , 2018 , 9, 125	9.8	13
261	Systems modeling accurately predicts responses to genotoxic agents and their synergism with BCL-2 inhibitors in triple negative breast cancer cells. <i>Cell Death and Disease</i> , 2018 , 9, 42	9.8	24
260	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
259	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
258	Pleiotropic activity of systemically delivered angiogenin in the SOD1 mouse model. <i>Neuropharmacology</i> , 2018 , 133, 503-511	5.5	13
257	A constitutively-active IKK-complex at the axon initial segment. <i>Brain Research</i> , 2018 , 1678, 356-366	3.7	1
256	Low cleaved caspase-7 levels indicate unfavourable outcome across all breast cancers. <i>Journal of Molecular Medicine</i> , 2018 , 96, 1025-1037	5.5	6

255	Increased A20-E3 ubiquitin ligase interactions in bid-deficient glia attenuate TLR3- and TLR4-induced inflammation. <i>Journal of Neuroinflammation</i> , 2018 , 15, 130	10.1	14
254	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
253	Profiling of Argonaute-2-loaded microRNAs in a mouse model of frontotemporal dementia with parkinsonism-17. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2018 , 10, 172-184	3.4	2
252	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.. <i>Journal of Clinical Oncology</i> , 2018 , 36, e15584-e15584	2.2	1
251	Riluzole does not improve lifespan or motor function in three ALS mouse models. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2018 , 19, 438-445	3.6	21
250	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
249	Orexin-A/hypocretin-1 Immunoreactivity in the Lateral Hypothalamus is Reduced in Genetically Obese but not in Diet-induced Obese Mice. <i>Neuroscience</i> , 2018 , 369, 183-191	3.9	3
248	Loss of Chromosome 18q11.2-q12.1 Is Predictive for Survival in Patients With Metastatic Colorectal Cancer Treated With Bevacizumab. <i>Journal of Clinical Oncology</i> , 2018 , 36, 2052-2060	2.2	19
247	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
246	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
245	Metabolic Targeting of Breast Cancer Cells With the 2-Deoxy-D-Glucose and the Mitochondrial Bioenergetics Inhibitor MDIVI-1. <i>Frontiers in Cell and Developmental Biology</i> , 2018 , 6, 113	5.7	20
244	Copy number load predicts outcome of metastatic colorectal cancer patients receiving bevacizumab combination therapy. <i>Nature Communications</i> , 2018 , 9, 4112	17.4	36
243	Colorectal tumour simulation using agent based modelling and high performance computing. <i>Future Generation Computer Systems</i> , 2017 , 67, 397-408	7.5	7
242	BCL-2 system analysis identifies high-risk colorectal cancer patients. <i>Gut</i> , 2017 , 66, 2141-2148	19.2	27
241	Time-lapse imaging of p65 and I κ B translocation kinetics following Ca-induced neuronal injury reveals biphasic translocation kinetics in surviving neurons. <i>Molecular and Cellular Neurosciences</i> , 2017 , 80, 148-158	4.8	3
240	Cerebrospinal fluid microRNAs are potential biomarkers of temporal lobe epilepsy and status epilepticus. <i>Scientific Reports</i> , 2017 , 7, 3328	4.9	62
239	Single-cell time-lapse imaging of intracellular O in response to metabolic inhibition and mitochondrial cytochrome-c release. <i>Cell Death and Disease</i> , 2017 , 8, e2853	9.8	20
238	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

237	Defining external factors that determine neuronal survival, apoptosis and necrosis during excitotoxic injury using a high content screening imaging platform. <i>PLoS ONE</i> , 2017 , 12, e0188343	3.7	4
236	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. <i>Oncotarget</i> , 2017 , 8, 16605-16620	3.3	25
235	Deletion of the BH3-only protein Noxa alters electrographic seizures but does not protect against hippocampal damage after status epilepticus in mice. <i>Cell Death and Disease</i> , 2017 , 8, e2556	9.8	1
234	miRNAmeConverter: an R/bioconductor package for translating mature miRNA names to different miRBase versions. <i>Bioinformatics</i> , 2017 , 33, 592-593	7.2	22
233	NF- κ B regulates neuronal ankyrin-G via a negative feedback loop. <i>Scientific Reports</i> , 2017 , 7, 42006	4.9	5
232	Advances in immunotherapy for the treatment of glioblastoma. <i>Journal of Neuro-Oncology</i> , 2017 , 131, 1-9	4.8	56
231	A Stepwise Integrated Approach to Personalized Risk Predictions in Stage III Colorectal Cancer. <i>Clinical Cancer Research</i> , 2017 , 23, 1200-1212	12.9	14
230	Identification of a novel predictive genomic biomarker for response to combination bevacizumab in metastatic colorectal cancer (mCRC).. <i>Journal of Clinical Oncology</i> , 2017 , 35, 3580-3580	2.2	1
229	Apelin: A putative novel predictive biomarker for bevacizumab response in colorectal cancer. <i>Oncotarget</i> , 2017 , 8, 42949-42961	3.3	31
228	Assessment of concordance between fresh-frozen and formalin-fixed paraffin embedded tumor DNA methylation using a targeted sequencing approach. <i>Oncotarget</i> , 2017 , 8, 48126-48137	3.3	8
227	In the Middle of a Chain Interaction. <i>Molecular Cell</i> , 2016 , 64, 217-218	17.6	2
226	Outcome of Colorectal Cancer Patients Treated with Combination Bevacizumab Therapy: A Pooled Retrospective Analysis of Three European Cohorts from the Angiopredict Initiative. <i>Digestion</i> , 2016 , 94, 129-137	3.6	8
225	MicroRNAs in epilepsy: pathophysiology and clinical utility. <i>Lancet Neurology</i> , 2016 , 15, 1368-1376	24.1	132
224	Modelling tumour cell proliferation from vascular structure using tissue decomposition into avascular elements. <i>Journal of Theoretical Biology</i> , 2016 , 402, 129-43	2.3	3
223	Mechanistic interrogation of combination bevacizumab/dual PI3K/mTOR inhibitor response in glioblastoma implementing novel MR and PET imaging biomarkers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 1673-83	8.8	13
222	Caspase 6 has a protective role in SOD1(G93A) transgenic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 1063-73	6.9	3
221	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. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 499-509	4.9	13
220	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

219	Patient-derived glioblastoma cells show significant heterogeneity in treatment responses to the inhibitor-of-apoptosis-protein antagonist birinapant. <i>British Journal of Cancer</i> , 2016 , 114, 188-98	8.7	15
218	Computational Analysis of AMPK-Mediated Neuroprotection Suggests Acute Excitotoxic Bioenergetics and Glucose Dynamics Are Regulated by a Minimal Set of Critical Reactions. <i>PLoS ONE</i> , 2016 , 11, e0148326	3.7	7
217	Bid Promotes K63-Linked Polyubiquitination of Tumor Necrosis Factor Receptor Associated Factor 6 (TRAF6) and Sensitizes to Mutant SOD1-Induced Proinflammatory Signaling in Microglia. <i>ENeuro</i> , 2016 , 3,	3.9	21
216	Mislocalization of Mitochondrial Intermembrane Space Proteins 2016 , 45-67		
215	Caspase modelling to predict personalised risk in stage III colorectal cancer (CRC) patients.. <i>Journal of Clinical Oncology</i> , 2016 , 34, 11592-11592	2.2	
214	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.. <i>Journal of Clinical Oncology</i> , 2016 , 34, 3584-3584	2.2	
213	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. <i>Frontiers in Cellular Neuroscience</i> , 2016 , 10, 14	6.1	10
212	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
211	Endoplasmic reticulum stress-mediated upregulation of miR-29a enhances sensitivity to neuronal apoptosis. <i>European Journal of Neuroscience</i> , 2016 , 43, 640-52	3.5	22
210	Targeting the 19S proteasomal subunit, Rpt4, for the treatment of colon cancer. <i>European Journal of Pharmacology</i> , 2016 , 780, 53-64	5.3	8
209	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
208	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
207	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
206	BCL2 protein signalling determines acute responses to neoadjuvant chemoradiotherapy in rectal cancer. <i>Journal of Molecular Medicine</i> , 2015 , 93, 315-26	5.5	11
205	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
204	The metabolic response to excitotoxicity - lessons from single-cell imaging. <i>Journal of Bioenergetics and Biomembranes</i> , 2015 , 47, 75-88	3.7	22
203	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
202	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

201	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, 1-10	2.3	78
200	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
199	AMP-Activated Protein Kinase (AMPK) as a Cellular Energy Sensor and Therapeutic Target for Neuroprotection 2015 , 130-145		
198	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
197	MicroRNA-224 is Readily Detectable in Urine of Individuals with Diabetes Mellitus and is a Potential Indicator of Beta-Cell Demise. <i>Genes</i> , 2015 , 6, 399-416	4.2	24
196	Integrating Colon Cancer Microarray Data: Associating Locus-Specific Methylation Groups to Gene Expression-Based Classifications. <i>Microarrays (Basel, Switzerland)</i> , 2015 , 4, 630-46		1
195	Bax regulates neuronal Ca ²⁺ homeostasis. <i>Journal of Neuroscience</i> , 2015 , 35, 1706-22	6.6	38
194	"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
193	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
192	Harnessing system models of cell death signalling for cytotoxic chemotherapy: towards personalised medicine approaches?. <i>Journal of Molecular Medicine</i> , 2014 , 92, 227-37	5.5	9
191	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
190	The frequencies and clinical implications of mutations in 33 kinase-related genes in locally advanced rectal cancer: a pilot study. <i>Annals of Surgical Oncology</i> , 2014 , 21, 2642-9	3.1	15
189	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
188	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
187	The BCL-2 family protein Bid is critical for pro-inflammatory signaling in astrocytes. <i>Neurobiology of Disease</i> , 2014 , 70, 99-107	7.5	13
186	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
185	Single-cell imaging of the heat-shock response in colon cancer cells suggests that magnitude and length rather than time of onset determines resistance to apoptosis. <i>Journal of Cell Science</i> , 2014 , 127, 609-19	5.3	5
184	Anti-apoptotic BCL-2 family proteins in acute neural injury. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 281	6.1	56

183	From computational modelling of the intrinsic apoptosis pathway to a systems-based analysis of chemotherapy resistance: achievements, perspectives and challenges in systems medicine. <i>Cell Death and Disease</i> , 2014 , 5, e1258	9.8	22
182	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. <i>Cell Death and Disease</i> , 2014 , 5, e1456	9.8	11
181	Interrogation of gossypol therapy in glioblastoma implementing cell line and patient-derived tumour models. <i>British Journal of Cancer</i> , 2014 , 111, 2275-86	8.7	23
180	Effect of the N-methyl-D-aspartate NR2B subunit antagonist ifenprodil on precursor cell proliferation in the hippocampus. <i>Journal of Neuroscience Research</i> , 2014 , 92, 679-91	4.4	9
179	Validation of an imageable surgical resection animal model of Glioblastoma (GBM). <i>Journal of Neuroscience Methods</i> , 2014 , 233, 99-104	3	13
178	Hsp27 binding to the 3'UTR of bim mRNA prevents neuronal death during oxidative stress-induced injury: a novel cytoprotective mechanism. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3413-23	3.5	14
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3	TRAIL signalling promotes entosis in colorectal cancer	1
2	Potent and lasting seizure suppression by systemic delivery of antagomirs targeting miR-134 timed with blood-brain barrier disruption	1
1	Patients with mesenchymal tumours and high Fusobacteriales prevalence have worse prognosis in colorectal cancer (CRC)	1