

Death through a tragedy: mitotic catastrophe

Cell Death and Differentiation

15, 1153-1162

DOI: [10.1038/cdd.2008.47](https://doi.org/10.1038/cdd.2008.47)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Elan vital, Ålan l��tal: one life but multiple deaths. <i>Cell Death and Differentiation</i> , 2008, 15, 1089-1090.	5.0	5
2	Mifepristone abrogates repopulation of ovarian cancer cells in between courses of cisplatin treatment. <i>International Journal of Oncology</i> , 2009, 34, 743-55.	1.4	27
3	Cell Death Pathways in Response to Antitumor Therapy. <i>Tumori</i> , 2009, 95, 409-421.	0.6	45
4	<i>HorkaD</i>, a Chromosome Instability-Causing Mutation in <i>Drosophila</i> , Is a Dominant-Negative Allele of <i>lodestar</i>. <i>Genetics</i> , 2009, 181, 367-377.	1.2	10
5	Identification of Polo-like Kinase 1 as a Potential Therapeutic Target in Anaplastic Thyroid Carcinoma. <i>Cancer Research</i> , 2009, 69, 1916-1923.	0.4	60
6	DNA damage-induced cell death is enhanced by progression through mitosis. <i>Cell Cycle</i> , 2009, 8, 2952-2964.	1.3	25
7	The role of meiotic cohesin REC8 in chromosome segregation in $\hat{1}^3$ irradiation-induced endopolyploid tumour cells. <i>Experimental Cell Research</i> , 2009, 315, 2593-2603.	1.2	60
8	Glyfoline induces mitotic catastrophe and apoptosis in cancer cells. <i>International Journal of Cancer</i> , 2010, 126, 1017-1028.	2.3	14
9	Mitotic catastrophe as a prestage to necrosis in mouse liver cells treated with <i>Helicobacter pullorum</i> <i>sonicates</i>. <i>Journal of Morphology</i> , 2009, 270, 921-928.	0.6	8
10	Nitric oxide synthase gene therapy enhances the toxicity of cisplatin in cancer cells. <i>Journal of Gene Medicine</i> , 2009, 11, 160-168.	1.4	61
11	Monitoring of tumor response to chemotherapy in vivo by a novel small-molecule detector of apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 257-267.	2.2	48
12	Cell death induced by N-methyl-N-nitrosourea, a model SN1 methylating agent, in two lung cancer cell lines of human origin. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1121-1133.	2.2	7
13	Casticin induces leukemic cell death through apoptosis and mitotic catastrophe. <i>Annals of Hematology</i> , 2009, 88, 743-752.	0.8	127
14	Molecularly targeted therapy for hepatocellular carcinoma. <i>Cancer Science</i> , 2009, 100, 1-8.	1.7	98
15	Classification of cell death: recommendations of the Nomenclature Committee on Cell Death 2009. <i>Cell Death and Differentiation</i> , 2009, 16, 3-11.	5.0	2,572
16	Immunogenic and tolerogenic cell death. <i>Nature Reviews Immunology</i> , 2009, 9, 353-363.	10.6	970
17	Curcumin induces apoptosis-independent death in oesophageal cancer cells. <i>British Journal of Cancer</i> , 2009, 101, 1585-1595.	2.9	137
18	Differential Recovery of Neural Stem Cells in the Subventricular Zone and Dentate Gyrus After Ionizing Radiation. <i>Stem Cells</i> , 2009, 27, 634-641.	1.4	160

#	ARTICLE	IF	CITATIONS
19	Cell Death. <i>New England Journal of Medicine</i> , 2009, 361, 1570-1583.	13.9	1,037
20	Microtubule-Stabilizing Activity of Zampanolide, a Potent Macrolide Isolated from the Tongan Marine Sponge <i>Cacospongia mycofijiensis</i> . <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7328-7332.	2.9	82
21	Mechanisms of resistance to ionizing radiation in rectal cancer. <i>Expert Review of Molecular Diagnostics</i> , 2009, 9, 469-480.	1.5	36
22	Understanding the role of aneuploidy in tumorigenesis. <i>Biochemical Society Transactions</i> , 2009, 37, 910-913.	1.6	21
23	Myc sensitizes p53-deficient cancer cells to the DNA-damaging effects of the DNA methyltransferase inhibitor decitabine. <i>Blood</i> , 2009, 113, 4281-4288.	0.6	31
24	Leveraging Cell Cycle Analysis in Anticancer Drug Discovery to Identify Novel Plasmodial Drug Targets. <i>Infectious Disorders - Drug Targets</i> , 2010, 10, 165-190.	0.4	13
26	Up-regulation of the embryonic self-renewal network through reversible polyploidy in irradiated p53-mutant tumour cells. <i>Experimental Cell Research</i> , 2010, 316, 2099-2112.	1.2	106
27	Suberoylanilide Hydroxyamic Acid Modification of Chromatin Architecture Affects DNA Break Formation and Repair. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 566-573.	0.4	9
28	Role of senescence and mitotic catastrophe in cancer therapy. <i>Cell Division</i> , 2010, 5, 4.	1.1	28
29	Cell death by the quinoxaline dioxide DCQ in human colon cancer cells is enhanced under hypoxia and is independent of p53 and p21. <i>Radiation Oncology</i> , 2010, 5, 107.	1.2	15
30	Notch Activation Differentially Regulates Renal Progenitors Proliferation and Differentiation Toward the Podocyte Lineage in Glomerular Disorders. <i>Stem Cells</i> , 2010, 28, 1674-1685.	1.4	152
31	Mitotic catastrophe induced by overexpression of budding yeast Rad2p. <i>Yeast</i> , 2010, 27, 399-411.	0.8	10
32	Curcumin disrupts meiotic and mitotic divisions via spindle impairment and inhibition of CDK1 activity. <i>Cell Proliferation</i> , 2010, 43, 354-364.	2.4	19
33	MOS, aneuploidy and the ploidy cycle of cancer cells. <i>Oncogene</i> , 2010, 29, 5447-5451.	2.6	69
34	Status of p53 in human cancer cells does not predict efficacy of CHK1 kinase inhibitors combined with chemotherapeutic agents. <i>Oncogene</i> , 2010, 29, 6149-6159.	2.6	48
35	Harnessing the complexity of DNA-damage response pathways to improve cancer treatment outcomes. <i>Oncogene</i> , 2010, 29, 6085-6098.	2.6	123
36	VL30 retrotransposition signals activation of a caspase-independent and p53-dependent death pathway associated with mitochondrial and lysosomal damage. <i>Cell Research</i> , 2010, 20, 553-562.	5.7	24
37	Preclinical Evaluation of AMG 900, a Novel Potent and Highly Selective Pan-Aurora Kinase Inhibitor with Activity in Taxane-Resistant Tumor Cell Lines. <i>Cancer Research</i> , 2010, 70, 9846-9854.	0.4	109

#	ARTICLE	IF	CITATIONS
38	Ionizing Radiation Activates the Nrf2 Antioxidant Response. <i>Cancer Research</i> , 2010, 70, 8886-8895.	0.4	176
40	Blocking Type I Interferon (IFN) Signaling Impairs Antigen Responsiveness of Circulating Lymphocytes and Alters Their Homing to Lymphoid Organs: Protective Role of Type I IFN. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 1029-1040.	1.1	9
41	Targeting the DNA Double Strand Breaks Repair for Cancer Therapy. <i>Current Medicinal Chemistry</i> , 2010, 17, 2017-2048.	1.2	18
42	An automated fluorescence videomicroscopy assay for the detection of mitotic catastrophe. <i>Cell Death and Disease</i> , 2010, 1, e25-e25.	2.7	37
43	Tumor cell apoptosis induced by nanoparticle conjugate in combination with radiation therapy. <i>Nanotechnology</i> , 2010, 21, 475103.	1.3	24
44	Prelamin A Acts to Accelerate Smooth Muscle Cell Senescence and Is a Novel Biomarker of Human Vascular Aging. <i>Circulation</i> , 2010, 121, 2200-2210.	1.6	311
45	An unusual DNA binding compound, S23906, induces mitotic catastrophe in cultured human cells. <i>Cancer Letters</i> , 2010, 289, 178-187.	3.2	21
46	Aurora-A kinase inhibition enhances the cytosine arabinoside-induced cell death in leukemia cells through apoptosis and mitotic catastrophe. <i>Cancer Letters</i> , 2010, 297, 171-181.	3.2	15
47	Genome Stability and Human Diseases. <i>Sub-Cellular Biochemistry</i> , 2010, , .	1.0	5
49	Convergent Synthesis and Biological Evaluation of 2-Amino-4-(3,4,5-trimethoxyphenyl)-5-aryl Thiazoles as Microtubule Targeting Agents. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5144-5153.	2.9	79
50	Mitotic Catastrophe in Malignant Epithelial Tumors: The Pathologist's Viewpoint. <i>Ultrastructural Pathology</i> , 2011, 35, 66-71.	0.4	24
51	Eribulin in soft-tissue sarcomas. <i>Lancet Oncology</i> , The, 2011, 12, 988-989.	5.1	6
52	Design and Synthesis of Resveratrol-Based Nitrovinylstilbenes as Antimitotic Agents. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6751-6760.	2.9	81
53	Polyploid tumour cells elicit paraploid progeny through depolyploidizing divisions and regulated autophagic degradation. <i>Cell Biology International</i> , 2011, 35, 687-695.	1.4	81
54	Trastuzumab-DM1 causes tumour growth inhibition by mitotic catastrophe in trastuzumab-resistant breast cancer cells in vivo. <i>Breast Cancer Research</i> , 2011, 13, R46.	2.2	177
55	The Role of DNA Repair Pathways in Adeno-Associated Virus Infection and Viral Genome Replication / Recombination / Integration. , 0, , .		5
56	Cancer Stem Cells in Drug Resistance and Drug Screening: Can We Exploit the Cancer Stem Cell Paradigm in Search for New Antitumor Agents?. , 2011, , .		0
57	Cell Death Signaling and Anticancer Therapy. <i>Frontiers in Oncology</i> , 2011, 1, 5.	1.3	46

#	ARTICLE	IF	CITATIONS
58	High LET Radiation Enhances Nocodazole Induced Cell Death in HeLa Cells through Mitotic Catastrophe and Apoptosis. <i>Journal of Radiation Research</i> , 2011, 52, 481-489.	0.8	7
59	Mitotic Catastrophe Occurs in the Absence of Apoptosis in p53-Null Cells with a Defective G1 Checkpoint. <i>PLoS ONE</i> , 2011, 6, e22946.	1.1	54
60	BI 2536-mediated PLK1 inhibition suppresses HOS and MG-63 osteosarcoma cell line growth and clonogenicity. <i>Anti-Cancer Drugs</i> , 2011, 22, 995-1001.	0.7	23
61	Caspase-1 induced pyroptotic cell death. <i>Immunological Reviews</i> , 2011, 243, 206-214.	2.8	908
62	Cell death assays for drug discovery. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 221-237.	21.5	482
63	Mitotic catastrophe: a mechanism for avoiding genomic instability. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 385-392.	16.1	682
64	Molecular characterization of apoptosis induced by CARF silencing in human cancer cells. <i>Cell Death and Differentiation</i> , 2011, 18, 589-601.	5.0	25
65	Cutting edge: Chk1 directs senescence and mitotic catastrophe in recovery from G2 checkpoint arrest. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1528-1541.	1.6	26
66	Airborne urban particles (Milan winter-PM2.5) cause mitotic arrest and cell death: Effects on DNA, mitochondria, AhR binding and spindle organization. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 713, 18-31.	0.4	142
67	Anti-apoptosis and cell survival: A review. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 238-259.	1.9	527
68	Involvement of p53 in cell death following cell cycle arrest and mitotic catastrophe induced by rotenone. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 492-499.	1.9	36
69	Suppression of Polo like kinase 1 (PLK1) by p21Waf1 mediates the p53-dependent prevention of caspase-independent mitotic death. <i>Cellular Signalling</i> , 2011, 23, 1816-1823.	1.7	14
70	Giant cell formation: the way to cell death or cell survival?. <i>Open Life Sciences</i> , 2011, 6, 675-684.	0.6	5
71	Restoration of proliferation ability with increased genomic instability from Rad2p-induced mitotic catastrophe in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Toxicology</i> , 2011, 7, 195-206.	0.8	5
72	Delayed cell death associated with mitotic catastrophe in ^{137}Cs -irradiated stem-like glioma cells. <i>Radiation Oncology</i> , 2011, 6, 71.	1.2	34
73	Drug-induced cell cycle modulation leading to cell-cycle arrest, nuclear mis-segregation, or endoreplication. <i>BMC Cell Biology</i> , 2011, 12, 2.	3.0	121
74	Overexpression of the dynein light chain <i>klp23a</i> in human ovarian carcinoma cells inhibits tumor formation <i>in vivo</i> and causes mitotic delay at prometaphase/metaphase. <i>International Journal of Cancer</i> , 2011, 129, 553-564.	2.3	5
75	Questioning the value of $^{99\text{m}}\text{Tc}$ -HYNIC-annexin V based response monitoring after docetaxel treatment in a mouse model for hereditary breast cancer. <i>Applied Radiation and Isotopes</i> , 2011, 69, 656-662.	0.7	16

#	ARTICLE	IF	CITATIONS
76	VMY-1-103 is a novel CDK inhibitor that disrupts chromosome organization and delays metaphase progression in medulloblastoma cells. <i>Cancer Biology and Therapy</i> , 2011, 12, 818-826.	1.5	17
77	Chemosensitization by phenothiazines in human lung cancer cells: impaired resolution of γ H2AX and increased oxidative stress elicit apoptosis associated with lysosomal expansion and intense vacuolation. <i>Cell Death and Disease</i> , 2011, 2, e181-e181.	2.7	32
78	High IGF-IR Activity in Triple-Negative Breast Cancer Cell Lines and Tumorgrafts Correlates with Sensitivity to Anti-IGF-IR Therapy. <i>Clinical Cancer Research</i> , 2011, 17, 2314-2327.	3.2	112
79	Molecular and cellular pathways associated with chromosome 1p deletions during colon carcinogenesis. <i>Clinical and Experimental Gastroenterology</i> , 2011, 4, 75.	1.0	12
80	DNA damage and DNA damage response in human bronchial epithelial BEAS-2B cells following exposure to 2-nitrobenzanthrone and 3-nitrobenzanthrone: role in apoptosis. <i>Mutagenesis</i> , 2011, 26, 697-708.	1.0	37
81	Enhancement of autophagy is a potential modality for tumors refractory to radiotherapy. <i>Cell Death and Disease</i> , 2011, 2, e177-e177.	2.7	85
82	Mechanism of action of the multikinase inhibitor Foretinib. <i>Cell Cycle</i> , 2011, 10, 4138-4148.	1.3	28
83	Inactivation of Chk2 and Mus81 Leads to Impaired Lymphocytes Development, Reduced Genomic Instability, and Suppression of Cancer. <i>PLoS Genetics</i> , 2011, 7, e1001385.	1.5	18
84	Abnormal Nuclear Structures (Micronuclei, Nuclear Blebs, Strings, and Pockets) in a Case of Anaplastic Giant Cell Carcinoma of the Thyroid: An Immunohistochemical and Ultrastructural Study. <i>Ultrastructural Pathology</i> , 2011, 35, 14-18.	0.4	13
85	Induction of multinucleation in oral squamous cell carcinoma tissue with mutated p53 surviving boron neutron capture therapy. <i>International Journal of Radiation Biology</i> , 2011, 87, 293-301.	1.0	5
86	TP53 Status and Response to Treatment in Breast Cancers. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-9.	3.0	51
87	An Assay to Detect <i>In Vivo</i> Y Chromosome Loss in <i>Drosophila</i> Wing Disc Cells. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 1095-1102.	0.8	14
88	p53 Functions in Endothelial Cells to Prevent Radiation-Induced Myocardial Injury in Mice. <i>Science Signaling</i> , 2012, 5, ra52.	1.6	74
89	Tumor-suppressing Function of Caspase-2 Requires Catalytic Site Cys-320 and Site Ser-139 in Mice. <i>Journal of Biological Chemistry</i> , 2012, 287, 14792-14802.	1.6	37
90	The Checkpoint Kinase Inhibitor AZD7762 Potentiates Chemotherapy-Induced Apoptosis of p53-Mutated Multiple Myeloma Cells. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 1781-1788.	1.9	52
91	Mitotic Regulator Hec1 as a Potential Target for Cancer Therapy. , 2012, , 97-111.		1
92	PinX1 Localizes to Telomeres and Stabilizes TRF1 at Mitosis. <i>Molecular and Cellular Biology</i> , 2012, 32, 1387-1395.	1.1	18
93	p53 Disruptive Mutations Lead to Head and Neck Cancer Treatment Failure through Inhibition of Radiation-Induced Senescence. <i>Clinical Cancer Research</i> , 2012, 18, 290-300.	3.2	254

#	ARTICLE	IF	CITATIONS
94	A p53 Axis Regulates B Cell Receptor-Triggered, Innate Immune System-Driven B Cell Clonal Expansion. <i>Journal of Immunology</i> , 2012, 188, 6093-6108.	0.4	10
95	Omcg1 is critically required for mitosis in rapidly dividing mouse intestinal progenitors and embryonic stem cells. <i>Biology Open</i> , 2012, 1, 648-657.	0.6	5
96	The Chk1 inhibitor AZD7762 sensitises p53 mutant breast cancer cells to radiation in vitro and in vivo. <i>Molecular Medicine Reports</i> , 2012, 6, 897-903.	1.1	47
97	Redox modulation of the DNA damage response. <i>Biochemical Pharmacology</i> , 2012, 84, 1292-1306.	2.0	86
98	Cycle arrest and aneuploidy induced by zidovudine in murine embryonic stem cells. <i>Mutagenesis</i> , 2012, 27, 431-436.	1.0	3
99	Aneuploid Cells Are Differentially Susceptible to Caspase-Mediated Death during Embryonic Cerebral Cortical Development. <i>Journal of Neuroscience</i> , 2012, 32, 16213-16222.	1.7	58
100	In vivo MRI discrimination between live and lysed iron-labelled cells using balanced steady state free precession. <i>European Radiology</i> , 2012, 22, 2027-2034.	2.3	16
101	Activation of DNA damage response pathways as a consequence of anthracycline-DNA adduct formation. <i>Biochemical Pharmacology</i> , 2012, 83, 1602-1612.	2.0	55
102	A novel Cu(ii)-malachite green complex induces mitotic catastrophe mediated by deacetylation of histones and β -tubulin leading to apoptosis in human cell lines. <i>MedChemComm</i> , 2012, 3, 1393.	3.5	4
103	Down-regulation of GnT-V enhances nasopharyngeal carcinoma cell CNE-2 radiosensitivity in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 554-562.	1.0	14
105	Proliferation and cell death of hepatocytes in regenerating fetal rat liver. <i>Cell and Tissue Biology</i> , 2012, 6, 485-489.	0.2	1
106	Different Modes of Cell Death Induced by DNA Damage. <i>Issues in Toxicology</i> , 2012, , 239-265.	0.2	1
107	Time-Lapse Imaging of Neuroblastoma Cells to Determine Cell Fate upon Gene Knockdown. <i>PLoS ONE</i> , 2012, 7, e50988.	1.1	17
108	Apoptosis-Modulating Drugs for Improved Cancer Therapy. <i>European Surgical Research</i> , 2012, 48, 111-120.	0.6	74
109	The pantheon of the fallen: why are there so many forms of cell death?. <i>Trends in Cell Biology</i> , 2012, 22, 555-556.	3.6	48
110	Molecular definitions of cell death subroutines: recommendations of the Nomenclature Committee on Cell Death 2012. <i>Cell Death and Differentiation</i> , 2012, 19, 107-120.	5.0	2,144
111	How Many Ways Can a Podocyte Die?. <i>Seminars in Nephrology</i> , 2012, 32, 394-404.	0.6	88
112	Digitoxin and its analogs as novel cancer therapeutics. <i>Experimental Hematology and Oncology</i> , 2012, 1, 4.	2.0	96

#	ARTICLE	IF	CITATIONS
113	The Centrosome. , 2012, , .		9
114	Mitosis-Targeting Natural Products for Cancer Prevention and Therapy. Current Drug Targets, 2012, 13, 1820-1830.	1.0	33
115	Securin Enhances the Anti-Cancer Effects of 6-Methoxy-3-(3,4,5-Trimethoxy-Benzoyl)-1H-Indole (BPROL075) in Human Colorectal Cancer Cells. PLoS ONE, 2012, 7, e36006.	1.1	14
116	Inhibitors of Phosphatidylinositol 3-Kinases Promote Mitotic Cell Death in HeLa Cells. PLoS ONE, 2012, 7, e35665.	1.1	67
117	Cancer and Radiation Therapy: Current Advances and Future Directions. International Journal of Medical Sciences, 2012, 9, 193-199.	1.1	1,686
118	Respiration characteristics of mitochondria in parental and giant transformed cells of the murine Nemeth-Kellner lymphoma. Cell Biology International, 2012, 36, 71-77.	1.4	6
119	CK2 Inhibitor CX-4945 Suppresses DNA Repair Response Triggered by DNA-Targeted Anticancer Drugs and Augments Efficacy: Mechanistic Rationale for Drug Combination Therapy. Molecular Cancer Therapeutics, 2012, 11, 994-1005.	1.9	96
120	Near-Infrared Exposure Changes Cellular Responses to Ionizing Radiation. Photochemistry and Photobiology, 2012, 88, 135-146.	1.3	10
121	Effect of sesquiterpene lactone coronopilin on leukaemia cell population growth, cell type-specific induction of apoptosis and mitotic catastrophe. Cell Proliferation, 2012, 45, 53-65.	2.4	33
122	Digitoxin and a synthetic monosaccharide analog inhibit cell viability in lung cancer cells. Toxicology and Applied Pharmacology, 2012, 258, 51-60.	1.3	79
123	Chromosomal instability in mouse embryonic fibroblasts null for the transcriptional co-repressor Ski. Journal of Cellular Physiology, 2012, 227, 278-287.	2.0	10
124	Resveratrol abrogates the Temozolomide-induced G2 arrest leading to mitotic catastrophe and reinforces the Temozolomide-induced senescence in glioma cells. BMC Cancer, 2013, 13, 147.	1.1	99
125	The Antiviral Cytokines IFN- α and IFN- β Modulate Parietal Epithelial Cells and Promote Podocyte Loss. American Journal of Pathology, 2013, 183, 431-440.	1.9	105
126	Differential response to acute low dose radiation in primary and immortalized endothelial cells. International Journal of Radiation Biology, 2013, 89, 841-850.	1.0	36
127	Glioma pathogenesis-related protein 1 induces prostate cancer cell death through Hsc70-mediated suppression of AURKA and TPX2. Molecular Oncology, 2013, 7, 484-496.	2.1	32
128	Polo-like kinase 1 inhibition causes decreased proliferation by cell cycle arrest, leading to cell death in glioblastoma. Cancer Gene Therapy, 2013, 20, 499-506.	2.2	54
129	Down-regulation of Wild-type p53-induced Phosphatase 1 (Wip1) Plays a Critical Role in Regulating Several p53-dependent Functions in Premature Senescent Tumor Cells. Journal of Biological Chemistry, 2013, 288, 16212-16224.	1.6	22
130	Three steps to the immortality of cancer cells: senescence, polyploidy and self-renewal. Cancer Cell International, 2013, 13, 92.	1.8	131

#	ARTICLE	IF	CITATIONS
131	Coordinate activation of Shh and PI3K signaling in PTEN-deficient glioblastoma: new therapeutic opportunities. <i>Nature Medicine</i> , 2013, 19, 1518-1523.	15.2	127
132	AMG 900, a Small-Molecule Inhibitor of Aurora Kinases, Potentiates the Activity of Microtubule-Targeting Agents in Human Metastatic Breast Cancer Models. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 2356-2366.	1.9	42
133	DNA damage associated with mitosis and cytokinesis failure. <i>Oncogene</i> , 2013, 32, 4593-4601.	2.6	134
134	Various modes of cell death induced by DNA damage. <i>Oncogene</i> , 2013, 32, 3789-3797.	2.6	264
135	Toward Highly Potent Cancer Agents by Modulating the C-2 Group of the Arylthioindole Class of Tubulin Polymerization Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 123-149.	2.9	107
136	Autophagy, cell death and sustained senescence arrest in B16/F10 melanoma cells and HCT-116 colon carcinoma cells in response to the novel microtubule poison, JG-03-14. <i>Cancer Chemotherapy and Pharmacology</i> , 2013, 71, 441-455.	1.1	26
137	New Insights into the Pathology of Podocyte Loss. <i>American Journal of Pathology</i> , 2013, 183, 1364-1374.	1.9	100
138	The Roles of Telomerase in the Generation of Polyploidy during Neoplastic Cell Growth. <i>Neoplasia</i> , 2013, 15, 156-IN17.	2.3	13
139	Caspase-dependent apoptosis is induced by <i>Artemisia afra</i> Jacq. ex Willd in a mitochondria-dependent manner after G2/M arrest. <i>South African Journal of Botany</i> , 2013, 84, 104-109.	1.2	20
140	TW01001, a novel piperazinedione compound, induces mitotic arrest and autophagy in non-small cell lung cancer A549 cells. <i>Cancer Letters</i> , 2013, 336, 370-378.	3.2	12
141	Actin is required for cellular death. <i>Acta Histochemica</i> , 2013, 115, 775-782.	0.9	21
142	Radiation-induced mitotic cell death and glioblastoma radioresistance: A new regulating pathway controlled by integrin-linked kinase, hypoxia-inducible factor 1alpha and survivin in U87 cells. <i>European Journal of Cancer</i> , 2013, 49, 2884-2891.	1.3	36
143	The cancer biology of whole-chromosome instability. <i>Oncogene</i> , 2013, 32, 4727-4736.	2.6	106
144	Bile acids in the colon, from healthy to cytotoxic molecules. <i>Toxicology in Vitro</i> , 2013, 27, 964-977.	1.1	137
145	Molecular mechanisms of the antitumor activity of SB225002: A novel microtubule inhibitor. <i>Biochemical Pharmacology</i> , 2013, 85, 1741-1752.	2.0	23
146	The Aurora Kinases Inhibitor VE-465 is a Novel Treatment for Glioblastoma Multiforme. <i>Oncology</i> , 2013, 84, 326-335.	0.9	10
147	Plk1 is upregulated in androgen-insensitive prostate cancer cells and its inhibition leads to necroptosis. <i>Oncogene</i> , 2013, 32, 2973-2983.	2.6	65
148	Strategies for optimizing the response of cancer and normal tissues to radiation. <i>Nature Reviews Drug Discovery</i> , 2013, 12, 526-542.	21.5	335

#	ARTICLE	IF	CITATIONS
149	Overcoming chemotherapy resistance of ovarian cancer cells by liposomal cisplatin: Molecular mechanisms unveiled by gene expression profiling. <i>Biochemical Pharmacology</i> , 2013, 85, 1077-1090.	2.0	36
150	TLR3 mediates release of IL-1 β and cell death in keratinocytes in a caspase-4 dependent manner. <i>Journal of Dermatological Science</i> , 2013, 72, 45-53.	1.0	25
151	Subamolide A Induces Mitotic Catastrophe Accompanied by Apoptosis in Human Lung Cancer Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-15.	0.5	7
152	6,7-Dimethoxy-3-(3-methoxyphenyl)isoquinolin-1-amine induces mitotic arrest and apoptotic cell death through the activation of spindle assembly checkpoint in human cervical cancer cells. <i>Carcinogenesis</i> , 2013, 34, 1852-1860.	1.3	8
153	Antitumor Mechanisms of Amino Acid Hydroxyurea Derivatives in the Metastatic Colon Cancer Model. <i>International Journal of Molecular Sciences</i> , 2013, 14, 23654-23671.	1.8	1
154	Autophagy is used as a survival program in unfertilized sea urchin eggs that are destined to die by apoptosis after inactivation of MAPK1/3 (ERK2/1). <i>Autophagy</i> , 2013, 9, 1527-1539.	4.3	20
155	Targeting mitotic exit with hyperthermia or APC/C inhibition to increase paclitaxel efficacy. <i>Cell Cycle</i> , 2013, 12, 2598-2607.	1.3	43
156	Preliminary investigation of the effects of silencing the non-coding RNA, NEAT1, on the Burkitt's lymphoma cell line BJAB. <i>Bioscience Horizons</i> , 2013, 6, hzt006-hzt006.	0.6	4
157	Adenovirus E4orf4 Protein-Induced Death of p53 ^{+/+} H1299 Human Cancer Cells Follows a G ₁ Arrest of both Tetraploid and Diploid Cells due to a Failure To Initiate DNA Synthesis. <i>Journal of Virology</i> , 2013, 87, 13168-13178.	1.5	7
158	Podocyte loss involves MDM2-driven mitotic catastrophe. <i>Journal of Pathology</i> , 2013, 230, 322-335.	2.1	57
159	In vitro targeting of Polo-like kinase 1 in bladder carcinoma. <i>Cancer Biology and Therapy</i> , 2013, 14, 648-657.	1.5	29
160	ATG5 is induced by DNA-damaging agents and promotes mitotic catastrophe independent of autophagy. <i>Nature Communications</i> , 2013, 4, 2130.	5.8	136
161	microRNA-34a promotes DNA damage and mitotic catastrophe. <i>Cell Cycle</i> , 2013, 12, 3500-3511.	1.3	45
162	Down-modulation of nucleoporin RanBP2/Nup358 impaired chromosomal alignment and induced mitotic catastrophe. <i>Cell Death and Disease</i> , 2013, 4, e854-e854.	2.7	37
163	Involvement of Wee1 in the Circadian Rhythm-Dependent Intestinal Damage Induced by Docetaxel. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 347, 242-248.	1.3	10
164	Norcantharidin inhibits DNA replication and induces mitotic catastrophe by degrading initiation protein Cdc6. <i>International Journal of Molecular Medicine</i> , 2013, 32, 43-50.	1.8	15
165	Repopulation of Ovarian Cancer Cells after Chemotherapy. <i>Cancer Growth and Metastasis</i> , 2013, 6, CGM.S11333.	3.5	19
166	Podocyte Mitosis - A Catastrophe. <i>Current Molecular Medicine</i> , 2013, 13, 13-23.	0.6	112

#	ARTICLE	IF	CITATIONS
168	Proteasome Inhibitors Block DNA Repair and Radiosensitize Non-Small Cell Lung Cancer. PLoS ONE, 2013, 8, e73710.	1.1	47
169	iTRAQ-Based Proteomic Analysis of Polyploid Giant Cancer Cells and Budding Progeny Cells Reveals Several Distinct Pathways for Ovarian Cancer Development. PLoS ONE, 2013, 8, e80120.	1.1	70
170	Unraveling the DNA Damage Response Signaling Network Through RNA Interference Screening. , 2014, , 35-54.		0
171	Atm deletion with dual recombinase technology preferentially radiosensitizes tumor endothelium. Journal of Clinical Investigation, 2014, 124, 3325-3338.	3.9	64
172	Mechanisms controlling the smooth muscle cell death in progeria via down-regulation of poly(ADP-ribose) polymerase 1. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2261-70.	3.3	76
173	MEIS2 is essential for neuroblastoma cell survival and proliferation by transcriptional control of M-phase progression. Cell Death and Disease, 2014, 5, e1417-e1417.	2.7	46
174	Histone deacetylase inhibitors promote glioma cell death by G2 checkpoint abrogation leading to mitotic catastrophe. Cell Death and Disease, 2014, 5, e1435-e1435.	2.7	86
175	Pro-apoptotic Sorafenib signaling in murine hepatocytes depends on malignancy and is associated with PUMA expression in vitro and in vivo. Cell Death and Disease, 2014, 5, e1030-e1030.	2.7	56
176	IGF-1R inhibition enhances radiosensitivity and delays double-strand break repair by both non-homologous end-joining and homologous recombination. Oncogene, 2014, 33, 5262-5273.	2.6	73
177	Retinal pigment epithelial cells undergoing mitotic catastrophe are vulnerable to autophagy inhibition. Cell Death and Disease, 2014, 5, e1303-e1303.	2.7	35
178	Genotoxic Anti-Cancer Agents and Their Relationship to DNA Damage, Mitosis, and Checkpoint Adaptation in Proliferating Cancer Cells. International Journal of Molecular Sciences, 2014, 15, 3403-3431.	1.8	155
179	Comparison of epigenetic mediator expression and function in mouse and human embryonic blastomeres. Human Molecular Genetics, 2014, 23, 4970-4984.	1.4	30
180	Cytotoxic Autophagy in Cancer Therapy. International Journal of Molecular Sciences, 2014, 15, 10034-10051.	1.8	120
181	Asymmetric Cell Division in Polyploid Giant Cancer Cells and Low Eukaryotic Cells. BioMed Research International, 2014, 2014, 1-8.	0.9	30
182	CDK4/6 inhibition induces epithelial cell cycle arrest and ameliorates acute kidney injury. American Journal of Physiology - Renal Physiology, 2014, 306, F379-F388.	1.3	93
183	Mad2 and BubR1 modulates tumourigenesis and paclitaxel response in MKN45 gastric cancer cells. Cell Cycle, 2014, 13, 3590-3601.	1.3	41
184	<i>SIRT2</i> knockdown increases basal autophagy and prevents postslippage death by abnormally prolonging the mitotic arrest that is induced by microtubule inhibitors. FEBS Journal, 2014, 281, 2623-2637.	2.2	51
185	Autophagy in Necrosis: A Force for Survival. , 2014, , 233-252.		0

#	ARTICLE	IF	CITATIONS
186	Oxidative Stress and Cell Death in Cardiovascular Disease. , 2014, , 471-498.		12
187	Parallel Profiling of the Transcriptome, Cistrome, and Epigenome in the Cellular Response to Ionizing Radiation. <i>Science Signaling</i> , 2014, 7, rs3.	1.6	51
188	Stress-induced changes in gene interactions in human cells. <i>Nucleic Acids Research</i> , 2014, 42, 1757-1771.	6.5	20
189	1,000 Ways to die: natural compounds modulate non-canonical cell death pathways in cancer cells. <i>Phytochemistry Reviews</i> , 2014, 13, 277-293.	3.1	2
191	Cyclin-dependent kinase complexes in developing maize endosperm: evidence for differential expression and functional specialization. <i>Planta</i> , 2014, 239, 493-509.	1.6	25
192	Combination of CI-B-MECA with paclitaxel is a highly effective cytotoxic therapy causing mTOR-dependent autophagy and mitotic catastrophe on human melanoma cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014, 140, 921-935.	1.2	16
193	A novel small molecule that induces oxidative stress and selectively kills malignant cells. <i>Free Radical Biology and Medicine</i> , 2014, 68, 110-121.	1.3	6
194	Trastuzumab emtansine: mechanisms of action and drug resistance. <i>Breast Cancer Research</i> , 2014, 16, 209.	2.2	407
195	MJ-66 induces malignant glioma cells G2/M phase arrest and mitotic catastrophe through regulation of cyclin B1/Cdk1 complex. <i>Neuropharmacology</i> , 2014, 86, 219-227.	2.0	21
196	Selective Targeting of the G2/M Cell Cycle Checkpoint to Improve the Therapeutic Index of Radiotherapy. <i>Clinical Oncology</i> , 2014, 26, 257-265.	0.6	82
197	Generation of cancer stem-like cells through the formation of polyploid giant cancer cells. <i>Oncogene</i> , 2014, 33, 116-128.	2.6	360
198	Viriditoxin regulates apoptosis and autophagy via mitotic catastrophe and microtubule formation in human prostate cancer cells. <i>International Journal of Oncology</i> , 2014, 45, 2331-2340.	1.4	25
199	Compound 331 selectively induces glioma cell death by upregulating miR-494 and downregulating CDC20. <i>Scientific Reports</i> , 2015, 5, 12003.	1.6	9
200	Pterostilbine, an active component of blueberries, sensitizes colon cancer cells to 5-fluorouracil cytotoxicity. <i>Scientific Reports</i> , 2015, 5, 15239.	1.6	47
201	Bridging the gap between in vitro and in vivo: Dose and schedule predictions for the ATR inhibitor AZD6738. <i>Scientific Reports</i> , 2015, 5, 13545.	1.6	47
202	Real-time Fluorescence Imaging of the DNA Damage Repair Response During Mitosis. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 661-666.	1.2	1
203	Regulated cell death in diagnostic histopathology. <i>International Journal of Developmental Biology</i> , 2015, 59, 149-158.	0.3	3
204	Caffeine-Induced Premature Chromosome Condensation Results in the Apoptosis-Like Programmed Cell Death in Root Meristems of <i>Vicia faba</i> . <i>PLoS ONE</i> , 2015, 10, e0142307.	1.1	19

#	ARTICLE	IF	CITATIONS
205	Targeting the Mitotic Catastrophe Signaling Pathway in Cancer. <i>Mediators of Inflammation</i> , 2015, 2015, 1-13.	1.4	148
206	Adenovirus Replaces Mitotic Checkpoint Controls. <i>Journal of Virology</i> , 2015, 89, 5083-5096.	1.5	9
207	Cell cycle control in the kidney. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, 1622-1630.	0.4	74
208	Cellular and molecular portrait of eleven human glioblastoma cell lines under photon and carbon ion irradiation. <i>Cancer Letters</i> , 2015, 360, 10-16.	3.2	18
209	Wee-1 Kinase Inhibition Overcomes Cisplatin Resistance Associated with High-Risk TP53 Mutations in Head and Neck Cancer through Mitotic Arrest Followed by Senescence. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 608-619.	1.9	97
210	Synthesis and Biological Evaluation of Indolyl-Pyridinyl-Propenones Having Either Methuosis or Microtubule Disruption Activity. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2489-2512.	2.9	36
211	Mitochondrial induction as a potential radio-sensitizer in lung cancer cells - a short report. <i>Cellular Oncology (Dordrecht)</i> , 2015, 38, 247-252.	2.1	12
212	The use of α -conotoxin Iml to actualize the targeted delivery of paclitaxel micelles to $\alpha 7$ nAChR-overexpressing breast cancer. <i>Biomaterials</i> , 2015, 42, 52-65.	5.7	44
213	The radiosensitizing activity of the SMAC-mimetic, Debio 1143, is TNF α -mediated in head and neck squamous cell carcinoma. <i>Radiotherapy and Oncology</i> , 2015, 116, 495-503.	0.3	48
214	In vivo and ex vivo proofs of concept that cetuximab conjugated vitamin E TPGS micelles increases efficacy of delivered docetaxel against triple negative breast cancer. <i>Biomaterials</i> , 2015, 63, 58-69.	5.7	82
215	Mutagenic potential of the isoflavone irilone in cultured V79 cells. <i>Toxicology Letters</i> , 2015, 234, 81-91.	0.4	5
216	Mutations of the human interferon alpha-2b gene in brain tumor patients exposed to different environmental conditions. <i>Cancer Gene Therapy</i> , 2015, 22, 246-261.	2.2	7
218	Mutations of the human interferon alpha-2b (hIFN- $\alpha 2b$) gene in occupationally protracted low dose radiation exposed personnel. <i>Cytokine</i> , 2015, 73, 181-189.	1.4	12
219	Antioxidant vs. prooxidant action of phenothiazine in a biological environment in the presence of hydroxyl and hydroperoxyl radicals: a quantum chemistry study. <i>RSC Advances</i> , 2015, 5, 14678-14689.	1.7	15
220	Inhibition of the mitochondrial fission protein dynamin-related protein 1 (Drp1) impairs mitochondrial fission and mitotic catastrophe after x-irradiation. <i>Molecular Biology of the Cell</i> , 2015, 26, 4607-4617.	0.9	35
221	Phase I/IIa study of sequential chemotherapy regimen of bendamustine/irinotecan followed by etoposide/carboplatin in untreated patients with extensive disease small cell lung cancer (EDSCLC). <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 949-955.	1.1	1
222	Therapeutic inhibition of TRF1 impairs the growth of p53 deficient K-Ras ^{G12V} induced lung cancer by induction of telomeric DNA damage. <i>EMBO Molecular Medicine</i> , 2015, 7, 930-949.	3.3	45
223	Loss of KLF14 triggers centrosome amplification and tumorigenesis. <i>Nature Communications</i> , 2015, 6, 8450.	5.8	78

#	ARTICLE	IF	CITATIONS
224	Combretastatins: More Than Just Vascular Targeting Agents?. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 355, 212-227.	1.3	65
225	Gallic acid induces mitotic catastrophe and inhibits centrosomal clustering in HeLa cells. <i>Toxicology in Vitro</i> , 2015, 30, 506-513.	1.1	23
226	Mammalian pre-implantation chromosomal instability: species comparison, evolutionary considerations, and pathological correlations. <i>Systems Biology in Reproductive Medicine</i> , 2015, 61, 321-335.	1.0	24
227	Human cells contain natural double-stranded RNAs with potential regulatory functions. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 89-97.	3.6	35
228	Caspase-2: the reinvented enzyme. <i>Oncogene</i> , 2015, 34, 1877-1882.	2.6	26
229	Combining ultrasmall gadolinium-based nanoparticles with photon irradiation overcomes radioresistance of head and neck squamous cell carcinoma. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 247-257.	1.7	70
230	Carcinoma-associated fibroblasts affect sensitivity to oxaliplatin and 5FU in colorectal cancer cells. <i>Oncotarget</i> , 2016, 7, 59766-59780.	0.8	42
231	The MST/Hippo Pathway and Cell Death: A Non-Canonical Affair. <i>Genes</i> , 2016, 7, 28.	1.0	65
232	Analysis of Residual DSBs in Ataxia-Telangiectasia Lymphoblast Cells Initiating Apoptosis. <i>BioMed Research International</i> , 2016, 2016, 1-12.	0.9	6
233	Cell-cycle Alterations in Post-mitotic Cells and Cell Death by Mitotic Catastrophe. , 0, , .		7
234	Pleomorphic Carcinoma of the Colon: Morphological and Immunohistochemical Findings. <i>Case Reports in Gastroenterology</i> , 2016, 10, 233-240.	0.3	4
235	Depletion of Paraspeckle Protein 1 Enhances Methyl Methanesulfonate-Induced Apoptosis through Mitotic Catastrophe. <i>PLoS ONE</i> , 2016, 11, e0146952.	1.1	7
236	A Subpopulation of the K562 Cells Are Killed by Curcumin Treatment after G2/M Arrest and Mitotic Catastrophe. <i>PLoS ONE</i> , 2016, 11, e0165971.	1.1	15
237	Monomethyl Auristatin E Phosphate Inhibits Human Prostate Cancer Growth. <i>Prostate</i> , 2016, 76, 1420-1430.	1.2	16
238	Flubendazole induces mitotic catastrophe and senescence in colon cancer cells <i>in vitro</i> . <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 208-218.	1.2	35
239	Cytotoxic amounts of cisplatin induce either checkpoint adaptation or apoptosis in a concentration-dependent manner in cancer cells. <i>Biology of the Cell</i> , 2016, 108, 127-148.	0.7	24
240	±TAT1: a potential therapeutic target in cancer?. <i>Cell Death and Disease</i> , 2016, 7, e2172-e2172.	2.7	2
241	Quantitative FastFUCCI assay defines cell cycle dynamics at single-cell level. <i>Journal of Cell Science</i> , 2017, 130, 512-520.	1.2	53

#	ARTICLE	IF	CITATIONS
242	Newly synthesized podophyllotoxin derivative, LJ12, induces apoptosis and mitotic catastrophe in non-small cell lung cancer cells in vitro. <i>Molecular Medicine Reports</i> , 2016, 13, 339-346.	1.1	6
243	Metabolic response of lung cancer cells to radiation in a paper-based 3D cell culture system. <i>Biomaterials</i> , 2016, 95, 47-59.	5.7	57
244	Mitotic Catastrophe. , 2016, , 399-403.		1
245	Activation of p53 contributes to pseudolaric acid B-induced senescence in human lung cancer cells in vitro. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 919-929.	2.8	20
246	Tumor-specific cell-cycle decoy by <i>Salmonella typhimurium</i> A1-R combined with tumor-selective cell-cycle trap by methioninase overcome tumor intrinsic chemoresistance as visualized by FUCCI imaging. <i>Cell Cycle</i> , 2016, 15, 1715-1723.	1.3	55
247	Paclitaxel and the dietary flavonoid fisetin: a synergistic combination that induces mitotic catastrophe and autophagic cell death in A549 non-small cell lung cancer cells. <i>Cancer Cell International</i> , 2016, 16, 10.	1.8	72
248	Early Detection of Treatment-Induced Mitotic Arrest Using Temporal Diffusion Magnetic Resonance Spectroscopy. <i>Neoplasia</i> , 2016, 18, 387-397.	2.3	20
249	T0070907 inhibits repair of radiation-induced DNA damage by targeting RAD51. <i>Toxicology in Vitro</i> , 2016, 37, 1-8.	1.1	8
250	±TAT1 downregulation induces mitotic catastrophe in HeLa and A549 cells. <i>Cell Death Discovery</i> , 2016, 2, 16006.	2.0	9
251	Snail-induced epithelial-to-mesenchymal transition of MCF-7 breast cancer cells: systems analysis of molecular changes and their effect on radiation and drug sensitivity. <i>BMC Cancer</i> , 2016, 16, 236.	1.1	38
252	Radiobiology of Glioblastoma. <i>Current Clinical Pathology</i> , 2016, , .	0.0	2
253	Cell Death Pathways, with Special Regard to Ionizing Radiation and Temozolomide. <i>Current Clinical Pathology</i> , 2016, , 209-224.	0.0	0
254	Live or Let Die: Is There any Cell Death in Podocytes?. <i>Seminars in Nephrology</i> , 2016, 36, 208-219.	0.6	13
255	Preclinical Models of Glioblastoma in Radiobiology: Evolving Protocols and Research Methods. <i>Current Clinical Pathology</i> , 2016, , 255-274.	0.0	0
256	Inhibition of Class I Histone Deacetylases 1 and 2 Promotes Urothelial Carcinoma Cell Death by Various Mechanisms. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 299-312.	1.9	48
257	DNA damage and the balance between survival and death in cancer biology. <i>Nature Reviews Cancer</i> , 2016, 16, 20-33.	12.8	870
258	Therapeutic interactions of autophagy with radiation and temozolomide in glioblastoma: evidence and issues to resolve. <i>British Journal of Cancer</i> , 2016, 114, 485-496.	2.9	61
259	Platinum-zoledronate complex blocks gastric cancer cell proliferation by inducing cell cycle arrest and apoptosis. <i>Tumor Biology</i> , 2016, 37, 10981-10992.	0.8	8

#	ARTICLE	IF	CITATIONS
260	Chk1 inhibitor synergizes quinacrine mediated apoptosis in breast cancer cells by compromising the base excision repair cascade. <i>Biochemical Pharmacology</i> , 2016, 105, 23-33.	2.0	21
261	Cell death in the pathogenesis and progression of heart failure. <i>Heart Failure Reviews</i> , 2016, 21, 117-121.	1.7	18
262	Influence of nuclear structure on the formation of radiation-induced lethal lesions. <i>International Journal of Radiation Biology</i> , 2016, 92, 229-240.	1.0	6
263	Loss of Adult Cardiac Myocyte GSK-3 Leads to Mitotic Catastrophe Resulting in Fatal Dilated Cardiomyopathy. <i>Circulation Research</i> , 2016, 118, 1208-1222.	2.0	92
264	Nanoscale characterization illustrates the cisplatin-mediated biomechanical changes of B16-F10 melanoma cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7124-7131.	1.3	17
265	Early S-phase cell hypersensitivity to heat stress. <i>Cell Cycle</i> , 2016, 15, 337-344.	1.3	24
266	Chromosomal instability in mammalian pre-implantation embryos: potential causes, detection methods, and clinical consequences. <i>Cell and Tissue Research</i> , 2016, 363, 201-225.	1.5	63
267	Delayed persistence of giant-nucleated cells induced by X-ray and proton irradiation in the progeny of replicating normal human fibroblast cells. <i>Radiation Physics and Chemistry</i> , 2017, 137, 163-168.	1.4	1
268	A signature motif in LIM proteins mediates binding to checkpoint proteins and increases tumour radiosensitivity. <i>Nature Communications</i> , 2017, 8, 14059.	5.8	47
269	Mitotic catastrophe is a putative mechanism underlying the weak correlation between sensitivity to carbon ions and cisplatin. <i>Scientific Reports</i> , 2017, 7, 40588.	1.6	29
270	Prokaryotic toxins provoke different types of cell deaths in the eukaryotic cells. <i>Toxin Reviews</i> , 2017, , 1-15.	1.5	0
271	Near-Infrared Photochemoimmunotherapy by Photoactivatable Bifunctional Antibody-Drug Conjugates Targeting Human Epidermal Growth Factor Receptor 2 Positive Cancer. <i>Bioconjugate Chemistry</i> , 2017, 28, 1458-1469.	1.8	30
272	MK-8776, a novel Chk1 inhibitor, exhibits an improved radiosensitizing effect compared to UCN-01 by exacerbating radiation-induced aberrant mitosis. <i>Translational Oncology</i> , 2017, 10, 491-500.	1.7	28
273	Targeting the ATR/CHK1 Axis with PARP Inhibition Results in Tumor Regression in BRCA-Mutant Ovarian Cancer Models. <i>Clinical Cancer Research</i> , 2017, 23, 3097-3108.	3.2	223
274	Identification of 7-(4-Cyanophenyl)indoline-1-benzenesulfonamide as a mitotic inhibitor to induce apoptotic cell death and inhibit autophagy in human colorectal cancer cells. <i>Scientific Reports</i> , 2017, 7, 12406.	1.6	9
275	Huwe1 Regulates the Establishment and Maintenance of Spermatogonia by Suppressing DNA Damage Response. <i>Endocrinology</i> , 2017, 158, 4000-4016.	1.4	21
276	Simultaneous inhibition of IGF1R and EGFR enhances the efficacy of standard treatment for colorectal cancer by the impairment of DNA repair and the induction of cell death. <i>Cancer Letters</i> , 2017, 407, 93-105.	3.2	13
277	Sweroside eradicated leukemia cells and attenuated pathogenic processes in mice by inducing apoptosis. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 477-486.	2.5	17

#	ARTICLE	IF	CITATIONS
278	Paths from DNA damage and signaling to genome rearrangements via homologous recombination. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2017, 806, 64-74.	0.4	20
280	Mitotic Vulnerability in Triple-Negative Breast Cancer Associated with LIN9 Is Targetable with BET Inhibitors. <i>Cancer Research</i> , 2017, 77, 5395-5408.	0.4	24
281	One-step Protocol for Evaluation of the Mode of Radiation-induced Clonogenic Cell Death by Fluorescence Microscopy. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	12
282	Involvement of autophagy in the outcome of mitotic catastrophe. <i>Scientific Reports</i> , 2017, 7, 14571.	1.6	31
283	Targeting Anaplastic Lymphoma Kinase (ALK) in Rhabdomyosarcoma (RMS) with the Second-Generation ALK Inhibitor Ceritinib. <i>Targeted Oncology</i> , 2017, 12, 815-826.	1.7	25
284	Entosis: The emerging face of non-cell-autonomous type IV programmed death. <i>Biomedical Journal</i> , 2017, 40, 133-140.	1.4	42
286	Autophagy in osteoarthritis. <i>Connective Tissue Research</i> , 2017, 58, 497-508.	1.1	64
287	Targeted inhibition of Polo-like kinase 1 by a novel small-molecule inhibitor induces mitotic catastrophe and apoptosis in human bladder cancer cells. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 758-767.	1.6	17
288	Microtubule destabilising agents: far more than just antimetabolic anticancer drugs. <i>British Journal of Clinical Pharmacology</i> , 2017, 83, 255-268.	1.1	237
289	Vitamin D derivatives potentiate the anticancer and anti-angiogenic activity of tyrosine kinase inhibitors in combination with cytostatic drugs in an A549 non-small cell lung cancer model. <i>International Journal of Oncology</i> , 2017, 52, 337-366.	1.4	23
290	The impact of concentration and administration time on the radiomodulating properties of undecylprodigiosin in vitro. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2017, 68, 1-8.	0.4	11
291	The Wnt regulator SFRP4 inhibits mesothelioma cell proliferation, migration, and antagonizes Wnt3a via its netrin-like domain. <i>International Journal of Oncology</i> , 2017, 51, 362-368.	1.4	17
292	Chemotherapy and Targeted Agents. , 2017, , 339-354.		3
293	Selective cytotoxicity of vanadium complexes on human pancreatic ductal adenocarcinoma cell line by inducing necroptosis, apoptosis and mitotic catastrophe process. <i>Oncotarget</i> , 2017, 8, 60324-60341.	0.8	40
294	Mitotic Catastrophe in BC3H1 Cells following Yessotoxin Exposure. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 30.	1.8	12
295	Executioner caspases and CAD are essential for mutagenesis induced by TRAIL or vincristine. <i>Cell Death and Disease</i> , 2017, 8, e3062-e3062.	2.7	29
296	Heterologous expression of anti-apoptotic human 14-3-3 σ enhances iron-mediated programmed cell death in yeast. <i>PLoS ONE</i> , 2017, 12, e0184151.	1.1	9
297	Analysis of DNA methylation in chondrocytes in rats with knee osteoarthritis. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 377.	0.8	16

#	ARTICLE	IF	CITATIONS
298	Co-delivery of paclitaxel and cetuximab by nanodiamond enhances mitotic catastrophe and tumor inhibition. <i>Scientific Reports</i> , 2017, 7, 9814.	1.6	26
299	Etoposide radiosensitizes p53-defective cholangiocarcinoma cell lines independent of their G2 checkpoint efficacies. <i>Oncology Letters</i> , 2018, 15, 3895-3903.	0.8	1
300	The diverse origins of circulating cell-free DNA in the human body: a critical re-evaluation of the literature. <i>Biological Reviews</i> , 2018, 93, 1649-1683.	4.7	202
301	miR-195 potentiates the efficacy of microtubule-targeting agents in non-small cell lung cancer. <i>Cancer Letters</i> , 2018, 427, 85-93.	3.2	20
302	Combination Therapy with Sulfasalazine and Valproic Acid Promotes Human Glioblastoma Cell Death Through Imbalance of the Intracellular Oxidative Response. <i>Molecular Neurobiology</i> , 2018, 55, 6816-6833.	1.9	17
303	Reactive Oxygen Species, Oxidative Damage and Cell Death. , 2018, , 45-55.		49
304	CoA synthase regulates mitotic fidelity via CBP-mediated acetylation. <i>Nature Communications</i> , 2018, 9, 1039.	5.8	30
305	Understanding the relationship between cell death and tissue shrinkage via a stochastic agent-based model. <i>Journal of Biomechanics</i> , 2018, 73, 9-17.	0.9	10
306	Avenues to molecular imaging of dying cells: Focus on cancer. <i>Medicinal Research Reviews</i> , 2018, 38, 1713-1768.	5.0	30
307	Delivery of expression constructs of secreted frizzled-related protein 4 and its domains by chitosan-dextran sulfate nanoparticles enhances their expression and anti-cancer effects. <i>Molecular and Cellular Biochemistry</i> , 2018, 443, 205-213.	1.4	7
308	Non-thermal near-infrared exposure photobiomodulates cellular responses to ionizing radiation in human full thickness skin models. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 115-123.	1.7	2
309	Differential miRNA expression profiling reveals miR-205-3p to be a potential radiosensitizer for low-dose ionizing radiation in DLD-1 cells. <i>Oncotarget</i> , 2018, 9, 26387-26405.	0.8	6
310	Analysis of a novel mutant allele of GSL8 reveals its key roles in cytokinesis and symplastic trafficking in Arabidopsis. <i>BMC Plant Biology</i> , 2018, 18, 295.	1.6	30
312	Guidelines and recommendations on yeast cell death nomenclature. <i>Microbial Cell</i> , 2018, 5, 4-31.	1.4	158
313	Tubular cell loss in early inv/nphp2 mutant kidneys represents a possible homeostatic mechanism in cortical tubular formation. <i>PLoS ONE</i> , 2018, 13, e0198580.	1.1	1
314	Systems biology approach reveals a link between mTORC1 and G2/M DNA damage checkpoint recovery. <i>Nature Communications</i> , 2018, 9, 3982.	5.8	28
315	Cell Injury and Necrosis. , 2018, , 404-453.		2
316	Disruption of the Î²1L Isoform of GABP Reverses Glioblastoma Replicative Immortality in a TERT Promoter Mutation-Dependent Manner. <i>Cancer Cell</i> , 2018, 34, 513-528.e8.	7.7	103

#	ARTICLE	IF	CITATIONS
317	Magnetic nanoparticle hyperthermia potentiates paclitaxel activity in sensitive and resistant breast cancer cells. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4771-4779.	3.3	27
318	Targeting hepatocarcinogenesis model in C56BL6 mice with pan-aurora kinase inhibitor Danusertib. <i>Journal of Cancer</i> , 2018, 9, 914-922.	1.2	4
319	Integrating the DNA damage and protein stress responses during cancer development and treatment. <i>Journal of Pathology</i> , 2018, 246, 12-40.	2.1	79
320	Molecular Regulation of Cell Cycle and Cell Cycle-Targeted Therapies in Head and Neck Squamous Cell Carcinoma (HNSCC). <i>Current Cancer Research</i> , 2018, , 185-227.	0.2	0
321	Neuronal Cell Death. <i>Physiological Reviews</i> , 2018, 98, 813-880.	13.1	737
322	Caffeine Sensitizes U87-MG Human Glioblastoma Cells to Temozolomide through Mitotic Catastrophe by Impeding G2 Arrest. <i>BioMed Research International</i> , 2018, 2018, 1-10.	0.9	11
323	The dualistic origin of human tumors. <i>Seminars in Cancer Biology</i> , 2018, 53, 1-16.	4.3	105
324	Single-Cell Tracking of A549 Lung Cancer Cells Exposed to a Marine Toxin Reveals Correlations in Pedigree Tree Profiles. <i>Frontiers in Oncology</i> , 2018, 8, 260.	1.3	9
325	Multi-nucleated cells use ROS to induce breast cancer chemo-resistance in vitro and in vivo. <i>Oncogene</i> , 2018, 37, 4546-4561.	2.6	61
326	Inhibition of CDK4/CDK6 Enhances Radiosensitivity of HPV Negative Head and Neck Squamous Cell Carcinomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 548-558.	0.4	37
327	Wound-induced polyploidization is driven by Myc and supports tissue repair in the presence of DNA damage. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	25
328	Computational design of improved standardized chemotherapy protocols for grade II oligodendrogliomas. <i>PLoS Computational Biology</i> , 2019, 15, e1006778.	1.5	25
329	CDK4/6 inhibition mitigates stem cell damage in a novel model for taxane-induced alopecia. <i>EMBO Molecular Medicine</i> , 2019, 11, e11031.	3.3	45
330	Molecular Mechanisms Underlying Yatein-Induced Cell-Cycle Arrest and Microtubule Destabilization in Human Lung Adenocarcinoma Cells. <i>Cancers</i> , 2019, 11, 1384.	1.7	10
331	Emodin Induces Death in Human Cervical Cancer Cells Through Mitotic Catastrophe. <i>Anticancer Research</i> , 2019, 39, 679-686.	0.5	17
332	Ataxia telangiectasia and Rad3-related inhibitors and cancer therapy: where we stand. <i>Journal of Hematology and Oncology</i> , 2019, 12, 43.	6.9	92
333	Polo-like Kinase 1 Inhibition as a Therapeutic Approach to Selectively Target BRCA1-Deficient Cancer Cells by Synthetic Lethality Induction. <i>Clinical Cancer Research</i> , 2019, 25, 4049-4062.	3.2	26
334	The interplay between TGF β -stimulated TSC22 domain family proteins regulates cell cycle dynamics in medulloblastoma cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 18349-18360.	2.0	13

#	ARTICLE	IF	CITATIONS
335	Inhibiting 4E-BP1 re-activation represses podocyte cell cycle re-entry and apoptosis induced by adriamycin. <i>Cell Death and Disease</i> , 2019, 10, 241.	2.7	8
336	An Overview of Targeted Radiotherapy. , 2019, , 85-100.		5
337	Mechanistic Modelling of Radiation Responses. <i>Cancers</i> , 2019, 11, 205.	1.7	47
338	Position-Selective Synthesis and Biological Evaluation of Four Isomeric A-Ring Amino Derivatives of the Alkaloid Luotonin A. <i>Molecules</i> , 2019, 24, 716.	1.7	14
339	Tumor-Specific S/G2-Phase Cell Cycle Arrest of Cancer Cells by Methionine Restriction. <i>Methods in Molecular Biology</i> , 2019, 1866, 49-60.	0.4	9
340	Radiotherapy toxicity. <i>Nature Reviews Disease Primers</i> , 2019, 5, 13.	18.1	434
341	Id1 and Sonic Hedgehog Mediate Cell Cycle Reentry and Apoptosis Induced by Amyloid Beta-Peptide in Post-mitotic Cortical Neurons. <i>Molecular Neurobiology</i> , 2019, 56, 465-489.	1.9	14
342	Proton versus photon radiation-induced cell death in head and neck cancer cells. <i>Head and Neck</i> , 2019, 41, 46-55.	0.9	23
343	Podocytes. <i>American Journal of Pathology</i> , 2019, 189, 226-228.	1.9	5
344	Use of DNA-generated gold nanoparticles to radiosensitize and eradicate radioresistant glioma stem cells. <i>Nanotechnology</i> , 2019, 30, 055101.	1.3	23
345	Mitosis perturbation by MASTL depletion impairs the viability of thyroid tumor cells. <i>Cancer Letters</i> , 2019, 442, 362-372.	3.2	14
346	6-MOMIPP, a novel brain-penetrant anti-mitotic indolyl-chalcone, inhibits glioblastoma growth and viability. <i>Cancer Chemotherapy and Pharmacology</i> , 2019, 83, 237-254.	1.1	13
347	Mitotic Catastrophe Causes Podocyte Loss in the Urine of Human Diabetics. <i>American Journal of Pathology</i> , 2019, 189, 248-257.	1.9	19
348	The linear quadratic model: usage, interpretation and challenges. <i>Physics in Medicine and Biology</i> , 2019, 64, 01TR01.	1.6	224
349	Rationale for combination of radiation therapy and immune checkpoint blockers to improve cancer treatment. <i>Acta Oncologica</i> , 2019, 58, 9-20.	0.8	8
350	Morpho-Functional Characteristics of Bone Marrow Multipotent Mesenchymal Stromal Cells after Activation or Inhibition of Epidermal Growth Factor and Toll-Like Receptors or Treatment with DNA Intercalator Cisplatin. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> . 2019. 95. 24-33.	1.1	4
351	Cell Death and Induced p53 Expression in Oral Cancer, HeLa, and Bone Marrow Mesenchyme Cells under the Exposure to Noncontact Electric Fields. <i>Integrative Medicine International</i> , 2019, 4, 161-170.	0.6	12
352	Sublethal injuries and deaths of cells and tissues. , 2020, , 603-624.		0

#	ARTICLE	IF	CITATIONS
353	Prognostic significance of serum p53 antibody according to KRAS status in metastatic colorectal cancer patients. <i>International Journal of Clinical Oncology</i> , 2020, 25, 651-659.	1.0	4
354	Mitotic catastrophe and p53-dependent senescence induction in T-cell malignancies exposed to nonlethal dosage of GL-V9. <i>Archives of Toxicology</i> , 2020, 94, 305-323.	1.9	12
355	Mechanisms of Cell Death. , 2020, , 135-153.		0
356	Cell Cycle Checkpoints Cooperate to Suppress DNA- and RNA-Associated Molecular Pattern Recognition and Anti-Tumor Immune Responses. <i>Cell Reports</i> , 2020, 32, 108080.	2.9	59
357	Pristine Cu-MOF Induces Mitotic Catastrophe and Alterations of Gene Expression and Cytoskeleton in Ovarian Cancer Cells. <i>ACS Applied Bio Materials</i> , 2020, 3, 4081-4094.	2.3	16
358	Overcoming Immune Evasion in Melanoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8984.	1.8	88
359	Centrosomal Localization of RXR α Promotes PLK1 Activation and Mitotic Progression and Constitutes a Tumor Vulnerability. <i>Developmental Cell</i> , 2020, 55, 707-722.e9.	3.1	6
360	Harnessing the potential of multimodal radiotherapy in prostate cancer. <i>Nature Reviews Urology</i> , 2020, 17, 321-338.	1.9	15
361	The tale of caspase homologues and their evolutionary outlook: deciphering programmed cell death in cyanobacteria. <i>Journal of Experimental Botany</i> , 2020, 71, 4639-4657.	2.4	20
362	Dying tumor cell-derived exosomal miR-194-5p potentiates survival and repopulation of tumor repopulating cells upon radiotherapy in pancreatic cancer. <i>Molecular Cancer</i> , 2020, 19, 68.	7.9	70
363	The Modified Phenanthridine PJ34 Unveils an Exclusive Cell-Death Mechanism in Human Cancer Cells. <i>Cancers</i> , 2020, 12, 1628.	1.7	7
364	Reduced replication origin licensing selectively kills KRAS-mutant colorectal cancer cells via mitotic catastrophe. <i>Cell Death and Disease</i> , 2020, 11, 499.	2.7	4
365	Modulation of DNA Damage Response by Sphingolipid Signaling: An Interplay that Shapes Cell Fate. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4481.	1.8	11
366	Replication and ribosomal stress induced by targeting pyrimidine synthesis and cellular checkpoints suppress p53-deficient tumors. <i>Cell Death and Disease</i> , 2020, 11, 110.	2.7	27
367	Molecular Mechanisms of Radiation-Induced Cancer Cell Death: A Primer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 41.	1.8	203
368	Trastuzumab Emtansine: Mechanisms of Action and Resistance, Clinical Progress, and Beyond. <i>Trends in Cancer</i> , 2020, 6, 130-146.	3.8	58
369	A role for ceramide glycosylation in resistance to oxaliplatin in colorectal cancer. <i>Experimental Cell Research</i> , 2020, 388, 111860.	1.2	26
370	Evidence for biological effects in the radiosensitization of leukemia cell lines by PEGylated gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	4

#	ARTICLE	IF	CITATIONS
371	Advanced Prostate Cancer with ATM Loss: PARP and ATR Inhibitors. <i>European Urology</i> , 2021, 79, 200-211.	0.9	76
372	10-(4-Phenylpiperazine-1-carbonyl)acridin-9(10H)-ones and related compounds: Synthesis, antiproliferative activity and inhibition of tubulin polymerization. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 32, 127687.	1.0	2
373	Global gene expression analysis using RNA-seq reveals the new roles of Panax notoginseng Saponins in ischemic cardiomyocytes. <i>Journal of Ethnopharmacology</i> , 2021, 268, 113639.	2.0	13
374	Tolerance induction in memory CD4 T cells is partial and reversible. <i>Immunology</i> , 2021, 162, 68-83.	2.0	4
375	Methoxy and bromo scans on <i>N</i> -(5-methoxyphenyl) methoxybenzenesulphonamides reveal potent cytotoxic compounds, especially against the human breast adenocarcinoma MCF7 cell line. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1029-1047.	2.5	4
376	Anastral Spindle 3/Rotatin Stabilizes Sol narae and Promotes Cell Survival in <i>Drosophila melanogaster</i> . <i>Molecules and Cells</i> , 2021, 44, 13-25.	1.0	1
377	Effect of stress-induced polyploidy on melanoma reprogramming and therapy resistance. <i>Seminars in Cancer Biology</i> , 2022, 81, 232-240.	4.3	5
378	Microtubule Destabilizing Sulfonamides as an Alternative to Taxane-Based Chemotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1907.	1.8	7
379	Radiation-induced kidney toxicity: molecular and cellular pathogenesis. <i>Radiation Oncology</i> , 2021, 16, 43.	1.2	58
381	Comparison of Virosome vs. Liposome as drug delivery vehicle using HepG2 and CaCo2 cell lines. <i>Journal of Microencapsulation</i> , 2021, 38, 263-275.	1.2	3
382	Specific Cytotoxic Effect of an Auristatin Nanoconjugate Towards CXCR4+ Diffuse Large B-Cell Lymphoma Cells. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1869-1888.	3.3	16
384	The biological underpinnings of radiation therapy for vestibular schwannomas: Review of the literature. <i>Laryngoscope Investigative Otolaryngology</i> , 2021, 6, 458-468.	0.6	3
385	Ferroptosis, radiotherapy, and combination therapeutic strategies. <i>Protein and Cell</i> , 2021, 12, 836-857.	4.8	167
386	STING enhances cell death through regulation of reactive oxygen species and DNA damage. <i>Nature Communications</i> , 2021, 12, 2327.	5.8	78
387	Automated classification of mitotic catastrophe by use of the centromere fragmentation morphology. <i>Biochemistry and Cell Biology</i> , 2021, 99, 261-271.	0.9	2
388	cIAP1/2 are involved in the radiosensitizing effect of birinapant on NSCLC cell line in vitro. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 6125-6136.	1.6	3
389	Investigation on the Direct and Bystander Effects in HeLa Cells Exposed to Very Low $\hat{\pm}$ -Radiation Using Electrical Impedance Measurement. <i>ACS Omega</i> , 2021, 6, 13995-14003.	1.6	0
390	Targeting of lactate dehydrogenase C dysregulates the cell cycle and sensitizes breast cancer cells to DNA damage response targeted therapy. <i>Molecular Oncology</i> , 2022, 16, 885-903.	2.1	11

#	ARTICLE	IF	CITATIONS
391	Therapy-Induced Tumor Cell Death: Friend or Foe of Immunotherapy?. <i>Frontiers in Oncology</i> , 2021, 11, 678562.	1.3	15
392	In Vitro Evaluation of Rigosertib Antitumoral and Radiosensitizing Effects against Human Cholangiocarcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8230.	1.8	4
393	A Novel Dialkylamino-Functionalized Chalcone, DML6, Inhibits Cervical Cancer Cell Proliferation, In Vitro, via Induction of Oxidative Stress, Intrinsic Apoptosis and Mitotic Catastrophe. <i>Molecules</i> , 2021, 26, 4214.	1.7	3
394	PRL3 induces polyploid giant cancer cells eliminated by PRL3-zumab to reduce tumor relapse. <i>Communications Biology</i> , 2021, 4, 923.	2.0	11
396	Clinical correlates of circulating cell-free DNA tumor fraction. <i>PLoS ONE</i> , 2021, 16, e0256436.	1.1	32
397	FCH domain only 1 (FCHo1), a potential new biomarker for lung cancer. <i>Cancer Gene Therapy</i> , 2021, , .	2.2	1
398	Proteasome inhibitors decrease paclitaxelâ€induced cell death in nasopharyngeal carcinoma with the accumulation of CDK1/cyclin B1. <i>International Journal of Molecular Medicine</i> , 2021, 48, .	1.8	4
399	Morphological and mechanical changes induced by quercetin in human T24 bladder cancer cells. <i>Micron</i> , 2021, 151, 103152.	1.1	20
400	The Growth Suppression Activity of Diosmin and PGV-1 Co-Treatment on 4T1 Breast Cancer Targets Mitotic Regulatory Proteins. <i>Asian Pacific Journal of Cancer Prevention</i> , 2021, 22, 2929-2938.	0.5	7
401	Understanding the Radiobiology of Vestibular Schwannomas to Overcome Radiation Resistance. <i>Cancers</i> , 2021, 13, 4575.	1.7	6
402	Oxcarbazepine induces mitotic catastrophe and apoptosis in NRK-52E proximal tubular cells. <i>Toxicology Letters</i> , 2021, 350, 240-248.	0.4	4
403	Antitumoral effects of dovitinib in triple-negative breast cancer are synergized by calcitriol in vivo and in vitro. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 214, 105979.	1.2	7
404	Gallic acid for cancer therapy: Molecular mechanisms and boosting efficacy by nanoscopy delivery. <i>Food and Chemical Toxicology</i> , 2021, 157, 112576.	1.8	50
405	Clonogenic Assays to Detect Cell Fate in Mitotic Catastrophe. <i>Methods in Molecular Biology</i> , 2021, 2267, 227-239.	0.4	3
406	Apoptotic, Autophagic and Necrotic Cell Death Types in Pathophysiological Conditions: Morphological and Histological Aspects. , 2009, , 33-62.		2
407	Mitotic Catastrophe. , 2010, , 79-96.		5
408	Induction of Cancer-Specific Cell Death by the Adenovirus E4orf4 Protein. <i>Advances in Experimental Medicine and Biology</i> , 2014, 818, 61-97.	0.8	8
409	Centrosomes, DNA Damage and Aneuploidy. , 2012, , 223-241.		5

#	ARTICLE	IF	CITATIONS
410	Anti-angiogenics and Radiation Therapy. , 2017, , 1-10.		2
411	Apoptosis: A Way to Maintain Healthy Individuals. Sub-Cellular Biochemistry, 2010, 50, 307-323.	1.0	24
412	Alveolar rhabdomyosarcoma-associated PAX3-FOXO1 promotes tumorigenesis via Hippo pathway suppression. Journal of Clinical Investigation, 2014, 124, 285-296.	3.9	94
413	The Simplicity of Complex Systems: The Inquiry into the Nature of Life, Mind, and Death Phenomena (Essay). Universal Journal of Psychology, 2016, 4, 27-42.	0.3	2
414	Morphological changes in the ovarian carcinoma cells of Wistar rats induced by chemotherapy with cisplatin and dioxadet. Biomedical Optics Express, 2018, 9, 5817.	1.5	17
415	Nuclear Morphometric Analysis (NMA): Screening of Senescence, Apoptosis and Nuclear Irregularities. PLoS ONE, 2012, 7, e42522.	1.1	141
416	Superior Antitumor Activity of Nanoparticle Albumin-Bound Paclitaxel in Experimental Gastric Cancer. PLoS ONE, 2013, 8, e58037.	1.1	25
417	An Antimitotic and Antivascular Agent BPR0L075 Overcomes Multidrug Resistance and Induces Mitotic Catastrophe in Paclitaxel-Resistant Ovarian Cancer Cells. PLoS ONE, 2013, 8, e65686.	1.1	24
418	WISP-1 Contributes to Fractionated Irradiation-Induced Radioresistance in Esophageal Carcinoma Cell Lines and Mice. PLoS ONE, 2014, 9, e94751.	1.1	11
419	Genetic and pharmacological inhibition of TTK impairs pancreatic cancer cell line growth by inducing lethal chromosomal instability. PLoS ONE, 2017, 12, e0174863.	1.1	23
420	Mitotic Catastrophe – Role in Programming of Cell Death. International Journal of Oral and Craniofacial Science, 0, , 003-005.	0.2	2
421	New landscapes and horizons in hepatocellular carcinoma therapy. Aging, 2020, 12, 3053-3094.	1.4	37
422	Coevolution of neoplastic epithelial cells and multilineage stroma via polyploid giant cells during immortalization and transformation of mullerian epithelial cells. Genes and Cancer, 2016, 7, 60-72.	0.6	34
423	The –œvirgin birth–, polyploidy, and the origin of cancer. Oncoscience, 2014, 2, 3-14.	0.9	64
424	Ral A, via activating the mitotic checkpoint, sensitizes cells lacking a functional <i>Nf1</i> to apoptosis in the absence of protein kinase C. Oncotarget, 2016, 7, 84326-84337.	0.8	5
425	Axitinib induces senescence-associated cell death and necrosis in glioma cell lines: The proteasome inhibitor, bortezomib, potentiates axitinib-induced cytotoxicity in a p21(Waf/Cip1) dependent manner. Oncotarget, 2017, 8, 3380-3395.	0.8	29
426	The imidazoacridinone C-1311 induces p53-dependent senescence or p53-independent apoptosis and sensitizes cancer cells to radiation. Oncotarget, 2017, 8, 31187-31198.	0.8	9
427	Aurora kinase B dependent phosphorylation of 53BP1 is required for resolving merotelic kinetochore-microtubule attachment errors during mitosis. Oncotarget, 2017, 8, 48671-48687.	0.8	10

#	ARTICLE	IF	CITATIONS
428	The cyclin-dependent kinase inhibitor flavopiridol (alvocidib) inhibits metastasis of human osteosarcoma cells. <i>Oncotarget</i> , 2018, 9, 23505-23518.	0.8	34
429	Tumour treating fields in a combinational therapeutic approach. <i>Oncotarget</i> , 2018, 9, 36631-36644.	0.8	26
430	RSK inhibitor BI-D1870 inhibits acute myeloid leukemia cell proliferation by targeting mitotic exit. <i>Oncotarget</i> , 2020, 11, 2387-2403.	0.8	18
431	ASPP1/2-PP1 complexes are required for chromosome segregation and kinetochore-microtubule attachments. <i>Oncotarget</i> , 2015, 6, 41550-41565.	0.8	14
432	BCL-W is a regulator of microtubule inhibitor-induced mitotic cell death. <i>Oncotarget</i> , 2016, 7, 38718-38730.	0.8	20
433	Cellular Stress and General Pathological Processes. <i>Current Pharmaceutical Design</i> , 2019, 25, 251-297.	0.9	27
434	Natural Compounds As Modulators of Non-apoptotic Cell Death in Cancer Cells. <i>Current Genomics</i> , 2017, 18, 132-155.	0.7	33
435	Podocyte Mitosis – A Catastrophe. <i>Current Molecular Medicine</i> , 2012, 13, 13-23.	0.6	74
436	Neuroprotective Strategies for the Treatment of Inherited Photoreceptor Degeneration. <i>Current Molecular Medicine</i> , 2012, 12, 598-612.	0.6	68
437	The Centrosome: A Target for Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2011, 11, 600-612.	0.8	15
438	Induction of Mitotic Catastrophe in Human Cervical Cancer Cells After Administration of Aloe-emodin. <i>Anticancer Research</i> , 2018, 38, 2037-2044.	0.5	15
439	Role of caspases and non-caspase proteases in cell death. <i>F1000 Biology Reports</i> , 2010, 2, .	4.0	8
440	Antitumor Effect of KX-01 through Inhibiting Src Family Kinases and Mitosis. <i>Cancer Research and Treatment</i> , 2017, 49, 643-655.	1.3	18
442	Carbon-Ion Beams Efficiently Induce Cell Killing in X-Ray Resistant Human Squamous Tongue Cancer Cells. <i>International Journal of Medical Physics, Clinical Engineering and Radiation Oncology</i> , 2014, 03, 133-142.	0.3	9
443	Paclitaxel Induced Caspase-Independent Mitotic Catastrophe in Rabbit Articular Chondrocyte. <i>Journal of Life Science</i> , 2010, 20, 519-527.	0.2	1
444	Antiprogestins in Ovarian Cancer. , 0, , .		3
445	Derris scandens Benth Extract Potentiates Radioresistance of Hep-2 Laryngeal Cancer Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 1289-1295.	0.5	9
446	Ethanollic Extract from Derris scandens Benth Mediates Radiosensitization via Two Distinct Modes of Cell Death in Human Colon Cancer HT-29 Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 1871-1877.	0.5	16

#	ARTICLE	IF	CITATIONS
447	Radiobiologic Principles. , 2010, , 3-30.		0
448	THE EFFECTS OF CAFFEINE ON CYTOSKELETON IN CHO AA8 CELL LINE. Medical and Biological Sciences, 2014, 28, 25.	0.2	0
449	Sublethal Injuries and Deaths of Cells and Tissues. , 2015, , 265-285.		0
450	Inhibition of the BER Factor APE1 Disrupts Repair of Double-Strand DNA Damage in Cells Treated with Low Dose-Rate, but Not High Dose-Rate XRadiation. Journal of Nuclear Medicine & Radiation Therapy, 2015, 06, .	0.2	0
451	Research of ultrastructure of the ratâ€™s normal blood capillaries of thymus and its changes under influence of methyl tret-butyl ether. ScienceRise: Medical Science, 2017, .	0.0	0
454	Anti-angiogenics and Radiation Therapy. , 2019, , 349-358.		0
456	Mechanism of mitotic catastrophe and its role in anticancer therapy. Postepy Higieny I Medycyny Doswiadczalnej, 2020, 74, 84-93.	0.1	0
459	Reviewing cancerâ€™s biology: an eclectic approach. Journal of the Egyptian National Cancer Institute, 2021, 33, 32.	0.6	14
460	Lipid raftâ€™s disrupting miltefosine preferentially induces the death of colorectal cancer stemâ€™like cells. Clinical and Translational Medicine, 2021, 11, e552.	1.7	15
461	Role of p53 in regulating tissue response to radiation by mechanisms independent of apoptosis. Translational Cancer Research, 2013, 2, 412-421.	0.4	51
462	A novel microtubule inhibitor, MT3-037, causes cancer cell apoptosis by inducing mitotic arrest and interfering with microtubule dynamics. American Journal of Cancer Research, 2016, 6, 747-63.	1.4	2
463	Review of cancer cell resistance mechanisms to apoptosis and actual targeted therapies. Journal of Cellular Biochemistry, 2022, 123, 1736-1761.	1.2	8
464	Controversies in Podocyte Loss: Death or Detachment?. Frontiers in Cell and Developmental Biology, 2021, 9, 771931.	1.8	24
465	YES1 as a Therapeutic Target for HER2-Positive Breast Cancer after Trastuzumab and Trastuzumab-Emtansine (T-DM1) Resistance Development. International Journal of Molecular Sciences, 2021, 22, 12809.	1.8	6
466	DIAPH1 facilitates paclitaxel-mediated cytotoxicity of ovarian cancer cells. Biochemical Pharmacology, 2022, 197, 114898.	2.0	1
467	SERPINB3 (SCCA1) inhibits cathepsin L and lysoptosis, protecting cervical cancer cells from chemoradiation. Communications Biology, 2022, 5, 46.	2.0	10
468	Activation of STAT3 Through Combined SRC and EGFR Signaling Drives Resistance to a Mitotic Kinesin Inhibitor in Glioblastoma. SSRN Electronic Journal, 0, , .	0.4	0
469	Targeting the DNA Damage Response for Cancer Therapy by Inhibiting the Kinase Wee1. Frontiers in Oncology, 2022, 12, 828684.	1.3	19

#	ARTICLE	IF	CITATIONS
470	Necroptosis as a Novel Facet of Mitotic Catastrophe. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3733.	1.8	4
471	The Isoflavanoid (+)â€PTC Regulates Cellâ€Cycle Progression and Mitotic Spindle Assembly in a Prostate Cancer Cell Line. <i>Chemistry and Biodiversity</i> , 2022, , .	1.0	0
472	Role of Senescence in Tumorigenesis and Anticancer Therapy. <i>Journal of Oncology</i> , 2022, 2022, 1-23.	0.6	3
473	Ricolinostat enhances adavosertibâ€induced mitotic catastrophe in TP53â€mutated head and neck squamous cell carcinoma cells. <i>International Journal of Oncology</i> , 2022, 60, .	1.4	7
474	Piperine Increases Pentagamavunon-1 Anti-cancer Activity on 4T1 Breast Cancer Through Mitotic Catastrophe Mechanism and Senescence with Sharing Targeting on Mitotic Regulatory Proteins. <i>Iranian Journal of Pharmaceutical Research</i> , 2022, 21, .	0.3	1
475	Kinesin Family Member C1 (KIFC1/HSET): A Potential Actionable Biomarker of Early Stage Breast Tumorigenesis and Progression of High-Risk Lesions. <i>Journal of Personalized Medicine</i> , 2021, 11, 1361.	1.1	6
476	Novel ADCs and Strategies to Overcome Resistance to Anti-HER2 ADCs. <i>Cancers</i> , 2022, 14, 154.	1.7	30
478	Zika Virus Induces Mitotic Catastrophe in Human Neural Progenitors by Triggering Unscheduled Mitotic Entry in the Presence of DNA Damage While Functionally Depleting Nuclear PNKP. <i>Journal of Virology</i> , 2022, 96, e0033322.	1.5	5
479	Integrin-Mediated Adhesion Promotes Centrosome Separation in Early Mitosis. <i>Cells</i> , 2022, 11, 1360.	1.8	7
480	Targeting regulated cell death (RCD) with small-molecule compounds in triple-negative breast cancer: a revisited perspective from molecular mechanisms to targeted therapies. <i>Journal of Hematology and Oncology</i> , 2022, 15, 44.	6.9	44
482	cGAS Regulates the Radioresistance of Human Head and Neck Squamous Cell Carcinoma Cells. <i>Cells</i> , 2022, 11, 1434.	1.8	2
483	Preliminary evaluation and in vitro cytotoxicity studies of [131I]-trastuzumab in HER2 expressing ovarian cancer cells. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2022, 331, 2451-2460.	0.7	3
484	The Multidirectional Effect of Azelastine Hydrochloride on Cervical Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5890.	1.8	4
485	Proteomic analysis reveals USP7 as a novel regulator of palmitic acid-induced hepatocellular carcinoma cell death. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	5
486	Activation of STAT3 through combined SRC and EGFR signaling drives resistance to a mitotic kinesin inhibitor in glioblastoma. <i>Cell Reports</i> , 2022, 39, 110991.	2.9	5
487	The Influence of PARP, ATR, CHK1 Inhibitors on Premature Mitotic Entry and Genomic Instability in High-Grade Serous BRCAMUT and BRCAWT Ovarian Cancer Cells. <i>Cells</i> , 2022, 11, 1889.	1.8	5
488	Tumor-Suppressor Role of the $\hat{\pm}1$ -Na/K-ATPase Signalosome in NASH Related Hepatocellular Carcinoma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7359.	1.8	6
489	Response Evaluation Following Radiation Therapy With 18F-FDG PET/CT: Common Variants of Radiation-Induced Changes and Potential Pitfalls. <i>Seminars in Nuclear Medicine</i> , 2022, 52, 681-706.	2.5	1

#	ARTICLE	IF	CITATIONS
490	Mitotic Catastrophe. , 2022, , .		0
491	Emodin Sensitizes Cervical Cancer Cells to Vinblastine by Inducing Apoptosis and Mitotic Death. International Journal of Molecular Sciences, 2022, 23, 8510.	1.8	2
492	Anti-inflammatory effects of cannabidiol against lipopolysaccharides in cardiac sodium channels. British Journal of Pharmacology, 2022, 179, 5259-5272.	2.7	11
493	Cell cycle alterations due to perfluoroalkyl substances PFOS, PFOA, PFBS, PFBA and the new PFAS C6O4 on bottlenose dolphin (Tursiops truncatus) skin cell. Ecotoxicology and Environmental Safety, 2022, 244, 113980.	2.9	9
494	DNA damage and biological responses induced by Boron Neutron Capture Therapy (BNCT). The Enzymes, 2022, , 65-78.	0.7	4
495	Radiotherapy-Induced Augmentation of Cellular Oxidative Stress. , 2022, , 1309-1323.		0
496	Trip13 Depletion in Liver Cancer Induces a Lipogenic Response Contributing to Plin2-Dependent Mitotic Cell Death. Advanced Science, 2022, 9, .	5.6	9
497	Incidence and risk of severe adverse events associated with trastuzumab emtansine (T-DM1) in the treatment of breast cancer: an up-to-date systematic review and meta-analysis of randomized controlled clinical trials. Expert Review of Clinical Pharmacology, 2022, 15, 1343-1350.	1.3	5
498	Inhibition of Mps1 kinase enhances taxanes efficacy in castration resistant prostate cancer. Cell Death and Disease, 2022, 13, .	2.7	3
501	The Molecular and Cellular Strategies of Glioblastoma and Non-Small-Cell Lung Cancer Cells Conferring Radioresistance. International Journal of Molecular Sciences, 2022, 23, 13577.	1.8	8
502	1,4-Naphthoquinone Motif in the Synthesis of New Thiopyrano[2,3-d]thiazoles as Potential Biologically Active Compounds. Molecules, 2022, 27, 7575.	1.7	3
503	Newly Synthesized Melphalan Analogs Induce DNA Damage and Mitotic Catastrophe in Hematological Malignant Cancer Cells. International Journal of Molecular Sciences, 2022, 23, 14258.	1.8	1
504	DAP3-mediated cell cycle regulation and its association with radioresistance in human lung adenocarcinoma cell lines. Journal of Radiation Research, 2023, 64, 520-529.	0.8	2
505	Cell death, therapeutics, and the immune response in cancer. Trends in Cancer, 2023, 9, 381-396.	3.8	29
506	Targeting regulated cell death pathways in acute myeloid leukemia. Cancer Drug Resistance (Alhambra,) Tj ETQq0 0,0 rgBT /Qverlock 10	0.9	2
507	Low-Intensity Ultrasound as a Potential Intervention Strategy to Protect Human Scalp Hair Follicles from Taxane-Induced Toxicity. Journal of Investigative Dermatology, 2023, 143, 1809-1813.e2.	0.3	2
508	A 211At-labelled mGluR1 inhibitor induces cancer senescence to elicit long-lasting anti-tumor efficacy. Cell Reports Medicine, 2023, 4, 100960.	3.3	3
509	CD30 stimulation induces multinucleation and chromosomal instability in HTLV-1-infected cell lines. International Journal of Hematology, 2023, 118, 75-87.	0.7	1

#	ARTICLE	IF	CITATIONS
510	Necroside 1 mediates necrotic cell death and immunogenic response in human cancer cells. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	0
511	The relationship of the efficiency of energy conversion into growth as an indicator for the determination of the optimal dose for mutation breeding with the appearance of chromosomal abnormalities and incomplete mitosis after gamma irradiation of kernels of <i>Triticum turgidum</i> ssp. <i>durum</i> L.. <i>Radiation and Environmental Biophysics</i> . 0. . .	0.6	2
518	Gamma Irradiation as Tool for Mutation Breeding in Wheat. , 0, , .		0
532	A guide to cell death pathways. <i>Nature Reviews Molecular Cell Biology</i> , 0, , .	16.1	7
537	Genetic Susceptibility to Prostate Cancer. , 2024, , 21-42.		0