Inhibition of ATM and ATR kinase activities by the radio

Cancer Research 59, 4375-82

Citation Report

#	Article	IF	CITATIONS
1	Anticancer drug targets: cell cycle and checkpoint control. Journal of Clinical Investigation, 1999, 104, 1645-1653.	3.9	367
2	The DNA Damage Checkpoint and Human Cancer. Cold Spring Harbor Symposia on Quantitative Biology, 2000, 65, 489-498.	2.0	22
3	Homologous recombination as a potential target for caffeine radiosensitization in mammalian cells: reduced caffeine radiosensitization in XRCC2 and XRCC3 mutants. Oncogene, 2000, 19, 5788-5800.	2.6	89
4	Small molecule modulators of cyclin-dependent kinases for cancer therapy. Oncogene, 2000, 19, 6600-6606.	2.6	120
5	Temporally coordinated assembly and disassembly of replication factories in the absence of DNA synthesis. Nature Cell Biology, 2000, 2, 686-694.	4.6	155
6	Cell-cycle checkpoint kinases: checking in on the cell cycle. Current Opinion in Cell Biology, 2000, 12, 697-704.	2.6	138
7	The Effect of Caffeine on p53-Dependent Radioresponses in Undifferentiated Mouse Embryonal Carcinoma Cells after X-ray and UV-irradiations. Journal of Radiation Research, 2000, 41, 227-241.	0.8	9
8	P53 Binding Protein 1 (53bp1) Is an Early Participant in the Cellular Response to DNA Double-Strand Breaks. Journal of Cell Biology, 2000, 151, 1381-1390.	2.3	801
9	Caffeine Abolishes the Mammalian G2/M DNA Damage Checkpoint by Inhibiting Ataxia-Telangiectasia-mutated Kinase Activity. Journal of Biological Chemistry, 2000, 275, 10342-10348.	1.6	245
10	Distinct Chk2 Activation Pathways Are Triggered by Genistein and DNA-damaging Agents in Human Melanoma Cells. Journal of Biological Chemistry, 2000, 275, 15363-15369.	1.6	57
11	Effect of Extracellular Signal-regulated Kinase on p53 Accumulation in Response to Cisplatin. Journal of Biological Chemistry, 2000, 275, 35778-35785.	1.6	267
12	Structure-activity relationships for G2 checkpoint inhibition by caffeine analogs International Journal of Oncology, 2000, 16, 971-8.	1.4	9
13	Requirement for Atr in phosphorylation of Chk1 and cell cycle regulation in response to DNA replication blocks and UV-damaged DNA in Xenopus egg extracts. Genes and Development, 2000, 14, 2745-2756.	2.7	383
14	Polymerase eta deficiency in the xeroderma pigmentosum variant uncovers an overlap between the S phase checkpoint and double-strand break repair. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 7939-7946.	3.3	96
15	Reconstitution of an ATM-Dependent Checkpoint that Inhibits Chromosomal DNA Replication following DNA Damage. Molecular Cell, 2000, 6, 649-659.	4.5	164
16	Implications for Chk1 Regulation: The 1.7 Ã Crystal Structure of Human Cell Cycle Checkpoint Kinase Chk1. Cell, 2000, 100, 681-692.	13.5	195
17	Rapid Destruction of Human Cdc25A in Response to DNA Damage. Science, 2000, 288, 1425-1429.	6.0	752
18	Dial 9-1-1 for p53: Mechanisms of p53 Activation by Cellular Stress. Neoplasia, 2000, 2, 208-225.	2.3	188

#	Article	IF	Citations
19	Alkylxanthines as research tools. Journal of the Autonomic Nervous System, 2000, 81, 44-52.	1.9	41
20	Cadmium Induces Phosphorylation of p53 at Serine 15 in MCF-7 Cells. Biochemical and Biophysical Research Communications, 2001, 282, 1120-1125.	1.0	56
21	Characterization of Adriamycin-Induced G2 Arrest and Its Abrogation by Caffeine in FL-Amnion Cells with or without p53. Experimental Cell Research, 2001, 262, 37-48.	1.2	15
22	Activation of extracellular-regulated kinases by normal and mutant EGF receptors. Biochimica Et Biophysica Acta - Molecular Cell Research, 2001, 1538, 1-9.	1.9	39
23	Nucleotide excision repair "a legacy of creativity― Mutation Research DNA Repair, 2001, 485, 23-36.	3.8	32
24	p53DINP1, a p53-Inducible Gene, Regulates p53-Dependent Apoptosis. Molecular Cell, 2001, 8, 85-94.	4.5	314
25	Mre11 Protein Complex Prevents Double-Strand Break Accumulation during Chromosomal DNA Replication. Molecular Cell, 2001, 8, 137-147.	4.5	224
26	Study of the cytolethal distending toxin (CDT)-activated cell cycle checkpoint. FEBS Letters, 2001, 491, 261-265.	1.3	25
27	ATR inhibition selectively sensitizes G1 checkpoint-deficient cells to lethal premature chromatin condensation. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9092-9097.	3.3	285
28	Cell cycle checkpoint signaling through the ATM and ATR kinases. Genes and Development, 2001, 15, 2177-2196.	2.7	1,716
29	Inhibition of the G2 DNA Damage Checkpoint and of Protein Kinases Chk1 and Chk2 by the Marine Sponge Alkaloid Debromohymenialdisine. Journal of Biological Chemistry, 2001, 276, 17914-17919.	1.6	111
30	p53 Protects renal inner medullary cells from hypertonic stress by restricting DNA replication. American Journal of Physiology - Renal Physiology, 2001, 281, F522-F530.	1.3	45
31	G2 DNA Damage Checkpoint Inhibition and Antimitotic Activity of 13-Hydroxy-15-oxozoapatlin. Journal of Biological Chemistry, 2001, 276, 48231-48236.	1.6	26
32	DNA repair inhibition and cancer therapy. Journal of Photochemistry and Photobiology B: Biology, 2001, 63, 162-170.	1.7	37
33	Richard B. Setlow, a commentary on seminal contributions and scientific controversies. Environmental and Molecular Mutagenesis, 2001, 38, 122-131.	0.9	3
34	Delivery of cell cycle genes to block astrocytoma growth. Journal of Neuro-Oncology, 2001, 51, 277-287.	1.4	14
35	Development of cyclin-dependent kinase modulators as novel the rapeutic approaches for hematological malignancies. Leukemia, 2001, 15, 1-9.	3.3	97
36	Regulation of the G2/M transition by p53. Oncogene, 2001, 20, 1803-1815.	2.6	1,366

#	Article	IF	Citations
37	G2 phase cell cycle arrest in human skin following UV irradiation. Oncogene, 2001, 20, 6103-6110.	2.6	68
38	ATM as a target for novel radiosensitizers. Seminars in Radiation Oncology, 2001, 11, 316-327.	1.0	55
39	Xeroderma pigmentosum: the first of the cellular caretakers. Trends in Biochemical Sciences, 2001, 26, 398-401.	3.7	8
40	Inhibition of Polo-like Kinase-1 by DNA Damage Occurs in an ATM- or ATR-dependent Fashion. Journal of Biological Chemistry, 2001, 276, 41656-41660.	1.6	144
41	Human Immunodeficiency Virus 1 Envelope Glycoprotein Complex-Induced Apoptosis Involves Mammalian Target of Rapamycin/Fkbp12-Rapamycin–Associated Protein–Mediated P53 Phosphorylation. Journal of Experimental Medicine, 2001, 194, 1097-1110.	4.2	147
42	ATR-Mediated Checkpoint Pathways Regulate Phosphorylation and Activation of Human Chk1. Molecular and Cellular Biology, 2001, 21, 4129-4139.	1.1	947
43	ATM: Genome stability, neuronal development, and cancer cross paths. Advances in Cancer Research, 2001, 83, 209-254.	1.9	258
44	Cloning and Characterization of Liver-specific Isoform of Chk1 Gene from Rat. Journal of Biological Chemistry, 2001, 276, 48863-48870.	1.6	13
45	Aphidicolin Triggers a Block to Replication Origin Firing inXenopus Egg Extracts. Journal of Biological Chemistry, 2001, 276, 17092-17100.	1.6	58
46	The Plant Isoflavenoid Genistein Activates p53 and Chk2 in an ATM-dependent Manner. Journal of Biological Chemistry, 2001, 276, 4828-4833.	1.6	78
47	Caffeine Sensitizes Human H358 Cell Line to p53-mediated Apoptosis by Inducing Mitochondrial Translocation and Conformational Change of BAX Protein. Journal of Biological Chemistry, 2001, 276, 38980-38987.	1.6	40
48	The human decatenation checkpoint. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 12044-12049.	3.3	183
49	Plk3 Functionally Links DNA Damage to Cell Cycle Arrest and Apoptosis at Least in Part via the p53 Pathway. Journal of Biological Chemistry, 2001, 276, 43305-43312.	1.6	189
50	The Radioresistance to Killing of A1–5 Cells Derives from Activation of the Chk1 Pathway. Journal of Biological Chemistry, 2001, 276, 17693-17698.	1.6	43
51	Phosphorylation and Rapid Relocalization of 53BP1 to Nuclear Foci upon DNA Damage. Molecular and Cellular Biology, 2001, 21, 1719-1729.	1.1	326
52	Genetic Evidence of a Role for ATM in Functional Interaction between Human T-Cell Leukemia Virus Type 1 Tax and p53. Journal of Virology, 2001, 75, 396-407.	1.5	44
53	Enhanced S phase delay and inhibition of replication of an undamaged shuttle vector in UVC-irradiated xeroderma pigmentosum variant. Carcinogenesis, 2001, 22, 233-241.	1.3	17
54	Reduced ATM kinase activity and an attenuated p53 response to DNA damage in carcinogen-induced preneoplastic hepatic lesions in the rat. Carcinogenesis, 2001, 22, 2023-2031.	1.3	15

#	Article	IF	Citations
55	NOVEL TARGETS IN THE CELL CYCLE AND CELL CYCLE CHECKPOINTS., 2002, , 13-cp2.		5
56	Nek11, a New Member of the NIMA Family of Kinases, Involved in DNA Replication and Genotoxic Stress Responses. Journal of Biological Chemistry, 2002, 277, 39655-39665.	1.6	64
57	Topical applications of caffeine or (-)-epigallocatechin gallate (EGCG) inhibit carcinogenesis and selectively increase apoptosis in UVB-induced skin tumors in mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12455-12460.	3.3	275
58	An ATR- and Chk1-Dependent S Checkpoint Inhibits Replicon Initiation following UVC-Induced DNA Damage. Molecular and Cellular Biology, 2002, 22, 8552-8561.	1.1	228
59	ATR Enforces the Topoisomerase II-dependent G2 Checkpoint through Inhibition of Plk1 Kinase. Journal of Biological Chemistry, 2002, 277, 36832-36838.	1.6	52
60	DNA replication is required for the checkpoint response to damaged DNA in Xenopus egg extracts. Journal of Cell Biology, 2002, 158, 863-872.	2.3	71
61	Rapid activation of G2/M checkpoint after hypertonic stress in renal inner medullary epithelial (IME) cells is protective and requires p38 kinase. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 184-189.	3.3	79
62	Bloom's syndrome protein is required for correct relocalization of RAD50/MRE11/NBS1 complex after replication fork arrest. Journal of Cell Biology, 2002, 157, 19-30.	2.3	115
63	A DNA Damage-Regulated BRCT-Containing Protein, TopBP1, Is Required for Cell Survival. Molecular and Cellular Biology, 2002, 22, 555-566.	1.1	170
64	ERK Activation Mediates Cell Cycle Arrest and Apoptosis after DNA Damage Independently of p53. Journal of Biological Chemistry, 2002, 277, 12710-12717.	1.6	381
65	Direct Effects of Caffeine and Theophylline on p $110\hat{l}$ and Other Phosphoinositide 3-Kinases. Journal of Biological Chemistry, 2002, 277, 37124-37130.	1.6	138
66	Caffeine Eliminates Gamma-Ray-Induced G2-Phase Delay in Human Tumor Cells but Not in Normal Cells. Radiation Research, 2002, 157, 26-31.	0.7	33
67	Tuning Up or Down the UV-induced Apoptosis in Chinese Hamster Ovary Cells with Cell Cycle Inhibitors¶. Photochemistry and Photobiology, 2002, 75, 662.	1.3	5
68	Abrogation of the S Phase DNA Damage Checkpoint Results in S Phase Progression or Premature Mitosis Depending on the Concentration of 7-Hydroxystaurosporine and the Kinetics of Cdc25C Activation. Journal of Biological Chemistry, 2002, 277, 26553-26564.	1.6	90
69	An oxidized nucleotide affects DNA replication through activation of protein kinases in Xenopus egg lysates. Nucleic Acids Research, 2002, 30, 569-573.	6.5	7
70	Chk2 Activation and Phosphorylation-Dependent Oligomerization. Molecular and Cellular Biology, 2002, 22, 4419-4432.	1.1	179
71	E2F1 Induces Phosphorylation of p53 That Is Coincident with p53 Accumulation and Apoptosis. Molecular and Cellular Biology, 2002, 22, 5308-5318.	1.1	99
72	High-throughput measurement of the Tp53 response to anticancer drugs and random compounds using a stably integrated Tp53-responsive luciferase reporter. Carcinogenesis, 2002, 23, 949-958.	1.3	46

#	ARTICLE	IF	Citations
73	New Synthetic Route to Granulatimide and Its Structural Analogues Chemical and Pharmaceutical Bulletin, 2002, 50, 872-876.	0.6	27
74	S Phase and G2 Arrests Induced by Topoisomerase I Poisons Are Dependent on ATR Kinase Function. Journal of Biological Chemistry, 2002, 277, 1599-1606.	1.6	179
75	Induction of DNA Ligase I by $1 \cdot \hat{l}^2$ -d-Arabinosylcytosine and Aphidicolin in MiaPaCa Human Pancreatic Cancer Cells. Experimental Cell Research, 2002, 280, 90-96.	1.2	5
76	Chk2-deficient mice exhibit radioresistance and defective p53-mediated transcription. EMBO Journal, 2002, 21, 5195-5205.	3.5	399
77	Delayed Cell Cycle Progression in Human Lymphoblastoid Cells after Exposure to High-LET Radiation Correlates with Extremely Localized DNA Damage. Radiation Research, 2002, 158, 678-686.	0.7	38
78	Cyclin-dependent kinases as new targets for the prevention and treatment of cancer. Hematology/Oncology Clinics of North America, 2002, 16, 1229-1253.	0.9	14
79	ATR Regulates Fragile Site Stability. Cell, 2002, 111, 779-789.	13.5	526
80	Effects of cisplatin on expression of DNA ligases in MiaPaCa human pancreatic cancer cells. Biochemical and Biophysical Research Communications, 2002, 298, 537-544.	1.0	8
81	Abundance of the RSC nucleosome-remodeling complex is important for the cells to tolerate DNA damage in Saccharomyces cerevisiae. FEBS Letters, 2002, 531, 215-221.	1.3	40
82	The DNA damage-dependent intra–S phase checkpoint is regulated by parallel pathways. Nature Genetics, 2002, 30, 290-294.	9.4	350
83	Radiation-induced Phosphorylation of Chk1 at S345 is Associated with p53-dependent Cell Cycle Arrest Pathways. Neoplasia, 2002, 4, 171-180.	2.3	20
84	Genotoxin-induced Rad9-Hus1-Rad1 (9-1-1) Chromatin Association Is an Early Checkpoint Signaling Event. Journal of Biological Chemistry, 2002, 277, 43809-43812.	1.6	67
85	DNA replication arrest in XP variant cells after UV exposure is diverted into an Mre11-dependent recombination pathway by the kinase inhibitor wortmannin. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2002, 510, 121-129.	0.4	22
86	Influence of irradiation and pentoxifylline on histone H3 phosphorylation in human tumour cell lines. Cell Proliferation, 2002, 35, 37-43.	2.4	8
87	Modulation of G(2) arrest enhances cell death induced by the antitumor 1-nitroacridine derivative, Nitracrine. Apoptosis: an International Journal on Programmed Cell Death, 2002, 7, 347-359.	2.2	17
88	Review: Coffee drinking: The rationale for treating it as a potential effect modifier of carcinogenic exposures. European Journal of Epidemiology, 2002, 18, 289-298.	2.5	47
89	Regulation of G2/M events by Cdc25A through phosphorylation-dependent modulation of its stability. EMBO Journal, 2002, 21, 5911-5920.	3.5	272
90	Human Tousled like kinases are targeted by an ATM- and Chk1-dependent DNA damage checkpoint. EMBO Journal, 2003, 22, 1676-1687.	3.5	143

#	Article	IF	Citations
91	Novel direct and indirect cyclin-dependent kinase modulators for the prevention and treatment of human neoplasms. Cancer Chemotherapy and Pharmacology, 2003, 52, 61-73.	1.1	77
92	ATR Kinase Activity Regulates the Intranuclear Translocation of ATR and RPA following Ionizing Radiation. Current Biology, 2003, 13, 1047-1051.	1.8	92
93	The cell cycle, chromatin and cancer: mechanism-based therapeutics come of age. Drug Discovery Today, 2003, 8, 793-802.	3.2	50
94	Caffeine and human DNA metabolism: the magic and the mystery. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 532, 85-102.	0.4	81
95	Cell Cycle Modulators for the Treatment of Lung Malignancies. Clinical Lung Cancer, 2003, 5, 158-168.	1.1	24
96	Effects of dietary flavonoids on major signal transduction pathways in human epithelial cells. Biochemical Pharmacology, 2003, 66, 2075-2088.	2.0	120
97	Caffeine induces G2/M arrest and apoptosis via a novel p53-dependent pathway in NB4 promyelocytic leukemia cells. Journal of Cellular Physiology, 2003, 196, 276-283.	2.0	53
98	Exploring environmental causes of alteredras effects: Fragmentation plus integration?. Molecular Carcinogenesis, 2003, 36, 45-52.	1.3	24
99	Inhibition of DNA repair by Pentoxifylline and related methylxanthine derivatives. Toxicology, 2003, 193, 153-160.	2.0	43
100	Caffeine mimics adenine and 2′-deoxyadenosine, both of which inhibit the guanine-nucleotide exchange activity of RCC1 and the kinase activity of ATR. Genes To Cells, 2003, 8, 423-435.	0.5	19
101	Nitric oxide promotes p53 nuclear retention and sensitizes neuroblastoma cells to apoptosis by ionizing radiation. Cell Death and Differentiation, 2003, 10, 468-476.	5.0	103
102	Adenovirus-mediated PTEN treatment combined with caffeine produces a synergistic therapeutic effect in colorectal cancer cells. Cancer Gene Therapy, 2003, 10, 803-813.	2.2	30
103	Werner's syndrome protein is phosphorylated in an ATR/ATM-dependent manner following replication arrest and DNA damage induced during the S phase of the cell cycle. Oncogene, 2003, 22, 1491-1500.	2.6	115
104	Induction of a caffeine-sensitive S-phase cell cycle checkpoint by psoralen plus ultraviolet A radiation. Oncogene, 2003, 22, 6119-6128.	2.6	30
105	Myc and E2F1 induce p53 through p14ARF-independent mechanisms in human fibroblasts. Oncogene, 2003, 22, 4993-5005.	2.6	78
106	Regulation and mechanisms of mammalian double-strand break repair. Oncogene, 2003, 22, 5792-5812.	2.6	509
107	Small-molecule cyclin-dependent kinase modulators. Oncogene, 2003, 22, 6609-6620.	2.6	236
108	DNA damage-induced cell-cycle phase regulation of p53 and p21waf1 in normal and ATM-defective cells. Oncogene, 2003, 22, 7866-7869.	2.6	31

#	Article	IF	CITATIONS
109	ATM/ATR-independent inhibition of cyclin B accumulation in response to hydroxyurea in nontransformed cell lines is altered in tumour cell lines. Oncogene, 2003, 22, 8283-8292.	2.6	14
110	Functional role of Mdm2 phosphorylation by ATR in attenuation of p53 nuclear export. Oncogene, 2003, 22, 8870-8880.	2.6	75
111	The Mre11 complex is required for ATM activation and the G2/M checkpoint. EMBO Journal, 2003, 22, 6610-6620.	3.5	435
112	TOR Signaling. Science Signaling, 2003, 2003, re15-re15.	1.6	231
113	UV Irradiation Triggers Ubiquitin-Dependent Degradation of p21WAF1 to Promote DNA Repair. Cell, 2003, 114, 599-610.	13.5	240
114	Loss of p53 induces M-phase retardation following G2 DNA damage checkpoint abrogation. Archives of Biochemistry and Biophysics, 2003, 412, 13-19.	1.4	10
115	Detrimental effects of cryopreservation of loach (Misgurnus fossilis) sperm on subsequent embryo development are reversed by incubating fertilised eggs in caffeine. Cryobiology, 2003, 46, 43-52.	0.3	52
116	Mechanistic approach of contrasting modifying effects of caffeine on carcinogenesis in the rat colon and mammary gland induced with 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine. Cancer Letters, 2003, 194, 25-35.	3.2	10
117	Defective S Phase Chromatin Assembly Causes DNA Damage, Activation of the S Phase Checkpoint, and S Phase Arrest. Molecular Cell, 2003, 11, 341-351.	4.5	246
118	p53- and Mdm2-Independent Repression of NF- \hat{l}^{B} Transactivation by the ARF Tumor Suppressor. Molecular Cell, 2003, 12, 15-25.	4.5	194
119	Nitric oxide-induced cellular stress and p53 activation in chronic inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 143-148.	3.3	343
120	Caffeine Could Not Efficiently Sensitize Homologous Recombination Repair-Deficient Cells to Ionizing Radiation-Induced Killing. Radiation Research, 2003, 159, 420-425.	0.7	46
121	Negative Regulation of Mitotic Promoting Factor by the Checkpoint Kinase Chk1 in Simian Virus 40 Lytic Infection. Journal of Virology, 2003, 77, 1257-1267.	1.5	20
122	Human Claspin Is Required for Replication Checkpoint Control. Journal of Biological Chemistry, 2003, 278, 30057-30062.	1.6	214
123	Caffeine-Induced Radiosensitization is Independent of Nonhomologous End Joining of DNA Double-Strand Breaks. Radiation Research, 2003, 159, 426-432.	0.7	43
124	Epithelial cancer in Fanconi anemia complementation group D2 (Fancd2) knockout mice. Genes and Development, 2003, 17, 2021-2035.	2.7	240
125	Evidence that the retroviral DNA integration process triggers an ATR-dependent DNA damage response. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4778-4783.	3.3	94
126	Critical Role for Mouse Hus1 in an S-Phase DNA Damage Cell Cycle Checkpoint. Molecular and Cellular Biology, 2003, 23, 791-803.	1.1	72

#	Article	IF	CITATIONS
127	Toxicity of Acetaminophen, Salicylic Acid, and Caffeine for First-Passage Rat Renal Inner Medullary Collecting Duct Cells. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 35-42.	1.3	15
128	Phosphorylation of Human Rad9 Is Required for Genotoxin-activated Checkpoint Signaling. Journal of Biological Chemistry, 2003, 278, 24428-24437.	1.6	104
129	An Overactivated ATR/CHK1 Pathway Is Responsible for the Prolonged G2 Accumulation in Irradiated AT Cells. Journal of Biological Chemistry, 2003, 278, 30869-30874.	1.6	65
130	Caffeine Inhibits Checkpoint Responses without Inhibiting the Ataxia-Telangiectasia-mutated (ATM) and ATM- and Rad3-related (ATR) Protein Kinases. Journal of Biological Chemistry, 2003, 278, 37139-37145.	1.6	132
131	DNA damage-induced replication arrest in Xenopus egg extracts. Journal of Cell Biology, 2003, 163, 245-255.	2.3	24
132	Hypoxia induces p53 through a pathway distinct from most DNA-damaging and stress-inducing agents. Carcinogenesis, 2003, 24, 1177-1182.	1.3	22
133	XRad17 Is Required for the Activation of XChk1 But Not XCds1 during Checkpoint Signaling inXenopus. Molecular Biology of the Cell, 2003, 14, 3898-3910.	0.9	24
134	The human checkpoint Rad protein Rad17 is chromatin-associated throughout the cell cycle, localizes to DNA replication sites, and interacts with DNA polymerase Â. Nucleic Acids Research, 2003, 31, 5568-5575.	6.5	38
135	DNA replication of mitotic chromatin in Xenopus egg extracts. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13241-13246.	3.3	31
136	Polo-like kinase (Plk)1 depletion induces apoptosis in cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5789-5794.	3.3	451
137	BRCT Repeats As Phosphopeptide-Binding Modules Involved in Protein Targeting. Science, 2003, 302, 636-639.	6.0	615
138	Evolving intricacies and implications of E2F1 regulation. FASEB Journal, 2003, 17, 569-574.	0.2	7 5
139	ATP Activates Ataxia-Telangiectasia Mutated (ATM) in Vitro. Journal of Biological Chemistry, 2003, 278, 9309-9317.	1.6	84
140	Regulation of Cellular and SV40 Virus Origins of Replication by Chk1-dependent Intrinsic and UVC Radiation-induced Checkpoints. Journal of Biological Chemistry, 2003, 278, 4295-4304.	1.6	50
141	Hsp90 Inhibition Depletes Chk1 and Sensitizes Tumor Cells to Replication Stress. Journal of Biological Chemistry, 2003, 278, 52572-52577.	1.6	155
142	Repair of a minimal DNA double-strand break by NHEJ requires DNA-PKcs and is controlled by the ATM/ATR checkpoint. Nucleic Acids Research, 2003, 31, 7227-7237.	6.5	33
143	T-Cadherin-Mediated Cell Growth Regulation Involves G 2 Phase Arrest and Requires p21 CIP1/WAF1 Expression. Molecular and Cellular Biology, 2003, 23, 566-578.	1.1	78
144	Cut5 Is Required for the Binding of Atr and DNA Polymerase $\hat{l}\pm$ to Genotoxin-damaged Chromatin. Journal of Biological Chemistry, 2003, 278, 45507-45511.	1.6	61

#	ARTICLE	IF	CITATIONS
145	Molecular mechanisms mediating antimyeloma activity of proteasome inhibitor PS-341. Blood, 2003, 101, 1530-1534.	0.6	533
146	Activation of the G2 cell cycle checkpoint enhances survival of epithelial cells exposed to hyperoxia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 284, L368-L375.	1.3	28
147	Characterization of a novel ATR-dependent, Chk1-independent, intra-S-phase checkpoint that suppresses initiation of replication in Xenopus. Journal of Cell Science, 2004, 117, 6019-6030.	1.2	79
148	Dynamic targeting of the replication machinery to sites of DNA damage. Journal of Cell Biology, 2004, 166, 455-463.	2.3	63
149	Activation of a DNA Damage Checkpoint Response in a TAF1-Defective Cell Line. Molecular and Cellular Biology, 2004, 24, 5332-5339.	1.1	25
150	Rad9 Protects Cells from Topoisomerase Poison-induced Cell Death. Journal of Biological Chemistry, 2004, 279, 18641-18647.	1.6	37
151	Human Cytomegalovirus Causes Endothelial Injury Through the Ataxia Telangiectasia Mutant and p53 DNA Damage Signaling Pathways. Circulation Research, 2004, 94, 1310-1317.	2.0	49
152	Caffeine Inhibits Cell Proliferation by GO/G1 Phase Arrest in JB6 Cells. Cancer Research, 2004, 64, 3344-3349.	0.4	100
153	Differentiation-Induced Radioresistance in Muscle Cells. Molecular and Cellular Biology, 2004, 24, 6350-6361.	1.1	66
154	Loss of Geminin induces rereplication in the presence of functional p53. Journal of Cell Biology, 2004, 165, 473-482.	2.3	236
155	Selective inhibition of the DNA-dependent protein kinase (DNA-PK) by the radiosensitizing agent caffeine. Nucleic Acids Research, 2004, 32, 1967-1972.	6.5	83
156	Replication Protein A (RPA) Phosphorylation Prevents RPA Association with Replication Centers. Molecular and Cellular Biology, 2004, 24, 1930-1943.	1.1	160
157	Inhibition of Chk1 by CEP-3891 Accelerates Mitotic Nuclear Fragmentation in Response to Ionizing Radiation. Cancer Research, 2004, 64, 9035-9040.	0.4	95
158	Control of Replication Origin Density and Firing Time in Xenopus Egg Extracts. Journal of Biological Chemistry, 2004, 279, 28071-28081.	1.6	133
159	Cell cycle arrest at the initiation step of human chromosomal DNA replication causes DNA damage. Journal of Cell Science, 2004, 117, 4897-4908.	1.2	46
160	Intra-S-Phase Checkpoint Activation by Direct CDK2 Inhibition. Molecular and Cellular Biology, 2004, 24, 6268-6277.	1.1	59
161	Regulation of Chk1 Kinase by Autoinhibition and ATR-mediated Phosphorylation. Molecular Biology of the Cell, 2004, 15, 1680-1689.	0.9	66
162	Mismatch repair-dependent G2 checkpoint induced by low doses of SN1 type methylating agents requires the ATR kinase. Genes and Development, 2004, 18, 1331-1344.	2.7	206

#	ARTICLE	IF	CITATIONS
163	Stimulatory Effect of Topical Application of Caffeine on UVB-Induced Apoptosis in the Epidermis of p53 and Bax Knockout Mice. Cancer Research, 2004, 64, 5020-5027.	0.4	53
164	Potentiation of Cytotoxicity of Topoisomerase I Poison by Concurrent and Sequential Treatment with the Checkpoint Inhibitor UCN-01 Involves Disparate Mechanisms Resulting in Either p53-Independent Clonogenic Suppression or p53-Dependent Mitotic Catastrophe. Cancer Research, 2004, 64, 6635-6644.	0.4	95
165	DNA Replication Defects, Spontaneous DNA Damage, and ATM-dependent Checkpoint Activation in Replication Protein A-deficient Cells. Journal of Biological Chemistry, 2004, 279, 34010-34014.	1.6	84
166	Human SAD1 Kinase Is Involved in UV-induced DNA Damage Checkpoint Function. Journal of Biological Chemistry, 2004, 279, 31164-31170.	1.6	45
167	The Yin Yang-1 (YY1) protein undergoes a DNA-replication-associated switch in localization from the cytoplasm to the nucleus at the onset of S phase. Journal of Cell Science, 2004, 117, 465-476.	1.2	81
168	p53 Stabilization and Accumulation Induced by Human Vaccinia-Related Kinase 1. Molecular and Cellular Biology, 2004, 24, 10366-10380.	1.1	125
169	C/EBPÎ \pm Is a DNA Damage-Inducible p53-Regulated Mediator of the G 1 Checkpoint in Keratinocytes. Molecular and Cellular Biology, 2004, 24, 10650-10660.	1.1	60
170	Rapid Degradation of Cdt1 upon UV-induced DNA Damage Is Mediated by SCF Complex. Journal of Biological Chemistry, 2004, 279, 27315-27319.	1.6	64
171	Localization of hRad9, hHus1, hRad1, and hRad17 and Caffeine-sensitive DNA Replication at the Alternative Lengthening of Telomeres-associated Promyelocytic Leukemia Body. Journal of Biological Chemistry, 2004, 279, 25849-25857.	1.6	94
172	Double Strand Break Repair by Homologous Recombination Is Regulated by Cell Cycle-independent Signaling via ATM in Human Glioma Cells. Journal of Biological Chemistry, 2004, 279, 15402-15410.	1.6	107
173	Apoptosis Resistance of MCF-7 Breast Carcinoma Cells to Ionizing Radiation Is Independent of p53 and Cell Cycle Control but Caused by the Lack of Caspase-3 and a Caffeine-Inhibitable Event. Cancer Research, 2004, 64, 7065-7072.	0.4	101
174	ATM and the Catalytic Subunit of DNA-Dependent Protein Kinase Activate NF-κB through a Common MEK/Extracellular Signal-Regulated Kinase/p90 rsk Signaling Pathway in Response to Distinct Forms of DNA Damage. Molecular and Cellular Biology, 2004, 24, 1823-1835.	1.1	122
175	Artemis Is a Phosphorylation Target of ATM and ATR and Is Involved in the G 2 /M DNA Damage Checkpoint Response. Molecular and Cellular Biology, 2004, 24, 9207-9220.	1.1	110
176	Construction, Characterization, and Complementation of a Conditional-Lethal DNA Topoisomerase IIα Mutant Human Cell Line. Molecular Biology of the Cell, 2004, 15, 5700-5711.	0.9	127
177	Sleeping policemen for DNA replication?. Nature Cell Biology, 2004, 6, 576-577.	4.6	9
178	PML regulates p53 stability by sequestering Mdm2 to the nucleolus. Nature Cell Biology, 2004, 6, 665-672.	4.6	298
179	Mammalian TOR complex 2 controls the actin cytoskeleton and is rapamycin insensitive. Nature Cell Biology, 2004, 6, 1122-1128.	4.6	1,873
180	Post-translational modification of p53 in tumorigenesis. Nature Reviews Cancer, 2004, 4, 793-805.	12.8	1,110

#	Article	IF	Citations
181	Chk1, but not Chk2, inhibits Cdc25 phosphatases by a novel common mechanism. EMBO Journal, 2004, 23, 3386-3396.	3.5	97
182	Centrosome amplification induced by DNA damage occurs during a prolonged G2 phase and involves ATM. EMBO Journal, 2004, 23, 3864-3873.	3.5	176
183	Caffeine inhibits homology-directed repair of I-SceI-induced DNA double-strand breaks. Oncogene, 2004, 23, 824-834.	2.6	45
184	Genistein arrests hepatoma cells at G2/M phase: involvement of ATM activation and upregulation of p21waf1/cip1 and Wee1. Biochemical Pharmacology, 2004, 67, 717-726.	2.0	89
185	Inhibitory mechanism of caffeine on insulin-stimulated glucose uptake in adipose cells. Biochemical Pharmacology, 2004, 68, 1929-1937.	2.0	34
186	Pharmacogenomics of the p53 tumor suppressor and its role in cancer chemoresistance. Drug Development Research, 2004, 62, 254-272.	1.4	4
187	Cell cycle checkpoints and their impact on anticancer therapeutic strategies. Journal of Cellular Biochemistry, 2004, 91, 223-231.	1.2	141
188	The Response of Malignant B Lymphocytes to Ionizing Radiation: Cell Cycle Arrest, Apoptosis and Protection against the Cytotoxic Effects of the Mitotic Inhibitor Nocodazole. Radiation Research, 2004, 162, 405-415.	0.7	24
189	Biochemical characterization of the ataxia-telangiectasia mutated (ATM) protein from human cells. DNA Repair, 2004, 3, 753-767.	1.3	72
190	Pl 3-kinase related kinases: ‰big' players in stress-induced signaling pathways. DNA Repair, 2004, 3, 883-887.	1.3	407
191	The ATM-related kinase, hSMG-1, bridges genome and RNA surveillance pathways. DNA Repair, 2004, 3, 919-925.	1.3	42
192	Conflicting effects of caffeine on apoptosis and clonogenic survival of human K1 thyroid carcinoma cell lines with different p53 status after exposure to cisplatin or UVc irradiation. Biochemical and Biophysical Research Communications, 2004, 314, 1100-1106.	1.0	14
193	Selective inhibition of bleomycin-induced G2 cell cycle checkpoint by simaomicin \hat{l}_{\pm} . Biochemical and Biophysical Research Communications, 2004, 317, 817-822.	1.0	20
194	A p53-independent pathway regulates nucleolar segregation and antigen translocation in response to DNA damage induced by UV irradiation. Experimental Cell Research, 2004, 292, 179-186.	1.2	35
195	Enhanced oligonucleotide-directed gene targeting in mammalian cells following treatment with DNA damaging agents. Experimental Cell Research, 2004, 300, 170-179.	1.2	46
196	Cell Cycle Activation Linked to Neuronal Cell Death Initiated by DNA Damage. Neuron, 2004, 41, 549-561.	3.8	337
197	Hyperoxia activates the ATR-Chk1 pathway and phosphorylates p53 at multiple sites. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L87-L97.	1.3	48
198	Role of Chk1 and Chk2 in Ara-C-induced differentiation of human leukemia K562 cells. Genes To Cells, 2005, 10, 97-106.	0.5	21

#	Article	IF	CITATIONS
199	The cell-cycle checkpoint kinase Chk1 is required for mammalian homologous recombination repair. Nature Cell Biology, 2005, 7, 195-201.	4.6	588
200	Suppression of HIV-1 infection by a small molecule inhibitor of the ATM kinase. Nature Cell Biology, 2005, 7, 493-500.	4.6	135
201	Cancer in xeroderma pigmentosum and related disorders of DNA repair. Nature Reviews Cancer, 2005, 5, 564-573.	12.8	387
202	The Concept of Synthetic Lethality in the Context of Anticancer Therapy. Nature Reviews Cancer, 2005, 5, 689-698.	12.8	1,278
203	Hematopoietic cytokines enhance Chk1-dependent G2/M checkpoint activation by etoposide through the Akt/GSK3 pathway to inhibit apoptosis. Oncogene, 2005, 24, 1973-1981.	2.6	43
204	Genetic interactions between RAD51 and its paralogues for centrosome fragmentation and ploidy control, independently of the sensitivity to genotoxic stresses. Oncogene, 2005, 24, 3691-3696.	2.6	37
205	The DNA damage pathway regulates innate immune system ligands of the NKG2D receptor. Nature, 2005, 436, 1186-1190.	13.7	1,168
206	DNA-PKcs-Dependent Signaling of DNA Damage in Dictyostelium discoideum. Current Biology, 2005, 15, 1880-1885.	1.8	39
207	Dinstinct ROS and biochemical profiles in cells undergoing DNA damage-induced senescence and apoptosis. Mechanisms of Ageing and Development, 2005, 126, 580-590.	2.2	75
208	Endogenous sex hormones affect the mutagen-induced chromosome damage by altering a caffeine-sensitive checkpoint. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 570, 281-288.	0.4	2
209	Inhibition of HIV-1 replication by caffeine and caffeine-related methylxanthines. Virology, 2005, 335, 177-184.	1.1	49
210	Genome concatenation contributes to the late gene expression defect of an adenovirus E4 mutant. Virology, 2005, 342, 286-296.	1.1	13
211	Complex H2AX phosphorylation patterns by multiple kinases including ATM and DNA-PK in human cells exposed to ionizing radiation and treated with kinase inhibitors. Journal of Cellular Physiology, 2005, 202, 492-502.	2.0	174
212	Assessment of ATM phosphorylation onSer-1981 induced by DNA topoisomerase I and II inhibitors in relation toSer-139-histone H2AX phosphorylation, cell cycle phase, and apoptosis. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2005, 68A, 1-9.	1.1	75
213	Inhibition of epidermal growth factor-induced cell transformation and Akt activation by caffeine. Molecular Carcinogenesis, 2005, 44, 67-76.	1.3	28
214	Levels of the origin-binding protein Double parked and its inhibitor Geminin increase in response to replication stress. Journal of Cell Science, 2005, 118, 4207-4217.	1.2	22
215	CCT Chaperonin Complex Is Required for the Biogenesis of Functional Plk1. Molecular and Cellular Biology, 2005, 25, 4993-5010.	1.1	63
216	Administration of green tea or caffeine enhances the disappearance of UVB-induced patches of mutant p53 positive epidermal cells in SKH-1 mice. Carcinogenesis, 2005, 26, 1465-1472.	1.3	53

#	ARTICLE	IF	CITATIONS
217	Effect of administration of caffeine or green tea on the mutation profile in the p53 gene in early mutant p53-positive patches of epidermal cells induced by chronic UVB-irradiation of hairless SKH-1 mice. Carcinogenesis, 2005, 26, 1965-1974.	1.3	21
218	Resveratrol causes Cdc2-tyr15 phosphorylation via ATM/ATR–Chk1/2–Cdc25C pathway as a central mechanism for S phase arrest in human ovarian carcinoma Ovcar-3 cells. Carcinogenesis, 2005, 26, 1978-1987.	1.3	139
219	p53 C-Terminal Phosphorylation by CHK1 and CHK2 Participates in the Regulation of DNA-Damage-induced C-Terminal Acetylation. Molecular Biology of the Cell, 2005, 16, 1684-1695.	0.9	160
220	Methylator-induced, Mismatch Repair-dependent G2 Arrest Is Activated through Chk1 and Chk2. Molecular Biology of the Cell, 2005, 16, 1513-1526.	0.9	77
221	Cleavage of Claspin by Caspase-7 during Apoptosis Inhibits the Chk1 Pathway. Journal of Biological Chemistry, 2005, 280, 35337-35345.	1.6	40
222	The Role of Polo-like Kinase 1 in the Inhibition of Centrosome Separation after Ionizing Radiation. Journal of Biological Chemistry, 2005, 280, 42994-42999.	1.6	36
223	Epstein-Barr Virus Lytic Replication Elicits ATM Checkpoint Signal Transduction While Providing an S-phase-like Cellular Environment. Journal of Biological Chemistry, 2005, 280, 8156-8163.	1.6	157
224	Human Herpesvirus 6B Induces Cell Cycle Arrest Concomitant with p53 Phosphorylation and Accumulation in T Cells. Journal of Virology, 2005, 79, 1961-1965.	1.5	40
225	Protective effects of tea polyphenols and caffeine. Expert Review of Anticancer Therapy, 2005, 5, 1061-1068.	1.1	43
226	hMOF Histone Acetyltransferase Is Required for Histone H4 Lysine 16 Acetylation in Mammalian Cells. Molecular and Cellular Biology, 2005, 25, 6798-6810.	1.1	281
227	Induction and Utilization of an ATM Signaling Pathway by Polyomavirus. Journal of Virology, 2005, 79, 13007-13017.	1.5	118
228	Inositol pyrophosphates regulate cell death and telomere length through phosphoinositide 3-kinase-related protein kinases. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1911-1914.	3.3	154
229	DNA repair proteins affect the lifecycle of herpes simplex virus 1. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5844-5849.	3.3	216
230	Regulation of the Pancreatic Duodenal Homeobox-1 Protein by DNA-dependent Protein Kinase. Journal of Biological Chemistry, 2005, 280, 38203-38210.	1.6	45
231	Poly(ADP-ribose) Polymerase Activity Prevents Signaling Pathways for Cell Cycle Arrest after DNA Methylating Agent Exposure. Journal of Biological Chemistry, 2005, 280, 15773-15785.	1.6	57
232	Farnesyltransferase Inhibitors Induce DNA Damage via Reactive Oxygen Species in Human Cancer Cells. Cancer Research, 2005, 65, 3671-3681.	0.4	79
233	DNA Polymerase \hat{l}^{o} Is Specifically Required for Recovery from the Benzo[a]pyrene-Dihydrodiol Epoxide (BPDE)-induced S-phase Checkpoint. Journal of Biological Chemistry, 2005, 280, 22343-22355.	1.6	125
234	DNA Damage Sensors ATM, ATR, DNA-PKcs, and PARP-1 Are Dispensable for Human Immunodeficiency Virus Type 1 Integration. Journal of Virology, 2005, 79, 2973-2978.	1.5	111

#	Article	IF	CITATIONS
235	DNA damage-induced phosphorylation of the human telomere-associated protein TRF2. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15539-15544.	3.3	86
236	Inhibition of Human Chk1 Causes Increased Initiation of DNA Replication, Phosphorylation of ATR Targets, and DNA Breakage. Molecular and Cellular Biology, 2005, 25, 3553-3562.	1.1	487
237	Homeotic factor ATBF1 induces the cell cycle arrest associated with neuronal differentiation. Development (Cambridge), 2005, 132, 5137-5145.	1.2	81
238	Autorepression of Rfx1 Gene Expression: Functional Conservation from Yeast to Humans in Response to DNA Replication Arrest. Molecular and Cellular Biology, 2005, 25, 10665-10673.	1.1	49
239	High Mobility Group A2 Potentiates Genotoxic Stress in Part through the Modulation of Basal and DNA Damage–Dependent Phosphatidylinositol 3-Kinase–Related Protein Kinase Activation. Cancer Research, 2005, 65, 6622-6630.	0.4	51
240	Checkpoint Abrogation in G2 Compromises Repair of Chromosomal Breaks in Ataxia Telangiectasia Cells. Cancer Research, 2005, 65, 11292-11296.	0.4	64
241	Human Cytomegalovirus IE1-72 Activates Ataxia Telangiectasia Mutated Kinase and a p53/p21-Mediated Growth Arrest Response. Journal of Virology, 2005, 79, 11467-11475.	1.5	62
242	Caffeine Inhibits Human Immunodeficiency Virus Type 1 Transduction of Nondividing Cells. Journal of Virology, 2005, 79, 2058-2065.	1.5	35
243	Modulation of DNA Damage by Pentoxifylline and \hat{l}_{\pm} -Tocopherol in Skin Fibroblasts Exposed to Gamma Rays. Radiation Research, 2005, 164, 63-72.	0.7	30
244	p53CSV, a Novel p53-Inducible Gene Involved in the p53-Dependent Cell-Survival Pathway. Cancer Research, 2005, 65, 1197-1206.	0.4	64
245	DNA Damage-Induced Phosphorylation of MdmX at Serine 367 Activates p53 by Targeting MdmX for Mdm2-Dependent Degradation. Molecular and Cellular Biology, 2005, 25, 9608-9620.	1.1	115
246	Regulation of CHK2 by DNA-dependent Protein Kinase. Journal of Biological Chemistry, 2005, 280, 12041-12050.	1.6	81
247	N-Methyl-N′-nitro-N-nitrosoguanidine Activates Cell-Cycle Arrest through Distinct Mechanisms Activated in a Dose-Dependent Manner. Molecular Pharmacology, 2005, 68, 1049-1060.	1.0	15
248	Effect of Nitric Oxide on Î ³ -Ray-Induced Micronucleus Frequency in RAW264.7 Cells. Radiation Research, 2005, 164, 723-732.	0.7	11
249	X Irradiation Induces the Proapoptotic State Independent of the Loss of Clonogenic Ability in Chinese Hamster V79 Cells. Radiation Research, 2005, 164, 36-44.	0.7	13
250	Caffeine Sensitizes Nondividing Human Fibroblasts to X Rays by Inducing a High Frequency of Misrepair. Radiation Research, 2005, 164, 509-513.	0.7	6
251	Silibinin Up-regulates DNA-Protein Kinase-dependent p53 Activation to Enhance UVB-induced Apoptosis in Mouse Epithelial JB6 Cells. Journal of Biological Chemistry, 2005, 280, 20375-20383.	1.6	61
252	Genotoxic Stress Targets Human Chk1 for Degradation by the Ubiquitin-Proteasome Pathway. Molecular Cell, 2005, 19, 607-618.	4.5	259

#	ARTICLE	IF	CITATIONS
253	Gene repair in mammalian cells is stimulated by the elongation of S phase and transient stalling of replication forks. DNA Repair, 2005, 4, 445-457.	1.3	63
254	Artemis deficiency confers a DNA double-strand break repair defect and Artemis phosphorylation status is altered by DNA damage and cell cycle progression. DNA Repair, 2005, 4, 556-570.	1.3	95
255	Identification and functional analysis of TopBP1 and its homologs. DNA Repair, 2005, 4, 1227-1239.	1.3	147
256	Caffeine Use in Sports, Pharmacokinetics in Man, and Cellular Mechanisms of Action. Critical Reviews in Food Science and Nutrition, 2005, 45, 535-562.	5.4	252
257	A novel strategy for identifying mutations that sensitize Drosophila eye development to caffeine and hydroxyurea. Genome, 2006, 49, 1416-1427.	0.9	3
258	Differential involvement of phosphatidylinositol 3-kinase-related protein kinases in hyperphosphorylation of replication protein A2 in response to replication-mediated DNA double-strand breaks. Genes To Cells, 2006, 11, 237-246.	0.5	35
259	The Contribution of Cytolethal Distending Toxin to Bacterial Pathogenesis. Critical Reviews in Microbiology, 2006, 32, 227-248.	2.7	171
260	Deficiency in the Repair of DNA Damage by Homologous Recombination and Sensitivity to Poly(ADP-Ribose) Polymerase Inhibition. Cancer Research, 2006, 66, 8109-8115.	0.4	1,172
261	TopBP1 Activates the ATR-ATRIP Complex. Cell, 2006, 124, 943-955.	13.5	646
262	The Rad9 protein enhances survival and promotes DNA repair following exposure to ionizing radiation. Biochemical and Biophysical Research Communications, 2006, 347, 232-237.	1.0	16
263	Single-stranded oligonucleotide-mediated gene repair in mammalian cells has a mechanism distinct from homologous recombination repair. Biochemical and Biophysical Research Communications, 2006, 350, 568-573.	1.0	11
264	DNA-PK phosphorylates histone H2AX during apoptotic DNA fragmentation in mammalian cells. DNA Repair, 2006, 5, 575-590.	1.3	173
265	Adenovirus mediated transduction of the human DNA polymerase eta cDNA. DNA Repair, 2006, 5, 925-934.	1.3	10
266	Caffeine delays replication fork progression and enhances UV-induced homologous recombination in Chinese hamster cell lines. DNA Repair, 2006, 5, 1449-1458.	1.3	16
267	Escherichia coli Induces DNA Double-Strand Breaks in Eukaryotic Cells. Science, 2006, 313, 848-851.	6.0	886
268	Menin Localizes to Chromatin Through an ATR-CHK1 Mediated Pathway After UV-Induced DNA Damage. Journal of Surgical Research, 2006, 133, 29-37.	0.8	14
269	Escherichia coli cyclomodulin Cif induces G2arrest of the host cell cycle without activation of the DNA-damage checkpoint-signalling pathway. Cellular Microbiology, 2006, 8, 1910-1921.	1.1	72
270	The BH3-only protein Puma is both necessary and sufficient for neuronal apoptosis induced by DNA damage in sympathetic neurons. Journal of Neurochemistry, 2006, 96, 1213-1226.	2.1	82

#	ARTICLE	IF	CITATIONS
271	Inhibition of DNA Replication in Camptothecinâ€Treated Cells Is Regulated by Protein Kinases. Annals of the New York Academy of Sciences, 2000, 922, 355-359.	1.8	1
272	An shRNA barcode screen provides insight into cancer cell vulnerability to MDM2 inhibitors. Nature Chemical Biology, 2006, 2, 202-206.	3.9	196
273	Oncogene-induced senescence is part of the tumorigenesis barrier imposed by DNA damage checkpoints. Nature, 2006, 444, 633-637.	13.7	1,777
274	A conserved pathway to activate BRCA1-dependent ubiquitylation at DNA damage sites. EMBO Journal, 2006, 25, 2178-2188.	3.5	141
275	Induction of p21CIP/WAF-1 and G2 arrest by ionizing irradiation impedes caspase-3-mediated apoptosis in human carcinoma cells. Oncogene, 2006, 25, 972-980.	2.6	66
276	ERK activity facilitates activation of the S-phase DNA damage checkpoint by modulating ATR function. Oncogene, 2006, 25, 1153-1164.	2.6	50
277	Control of the G ₂ /M Transition. Molecular Biotechnology, 2006, 32, 227-248.	1.3	238
278	CYP1A1 activation of aminoflavone leads to DNA damage in human tumor cell lines. Cancer Chemotherapy and Pharmacology, 2006, 57, 569-576.	1.1	17
279	ATM/ATR-related checkpoint signals mediate arsenite-induced G2/M arrest in primary aortic endothelial cells. Archives of Toxicology, 2006, 80, 804-810.	1.9	22
280	Che-1 phosphorylation by ATM/ATR and Chk2 kinases activates p53 transcription and the G2/M checkpoint. Cancer Cell, 2006, 10, 473-486.	7.7	106
281	ATR dependent activation of Chk2. Journal of Cellular Physiology, 2006, 208, 613-619.	2.0	49
282	Checkpoint kinase 1-mediated phosphorylation of Cdc25C and bad proteins are involved in antitumor effects of loratadine-induced G2/M phase cell-cycle arrest and apoptosis. Molecular Carcinogenesis, 2006, 45, 461-478.	1.3	31
283	Haploinsufficiency of the Mus81-Eme1 endonuclease activates the intra-S-phase and G2/M checkpoints and promotes rereplication in human cells. Nucleic Acids Research, 2006, 34, 880-892.	6.5	59
284	DTL/CDT2 is essential for both CDT1 regulation and the early G2/M checkpoint. Genes and Development, 2006, 20, 3117-3129.	2.7	143
285	Phosphorylation of Nucleotide Excision Repair Factor Xeroderma Pigmentosum Group A by Ataxia Telangiectasia Mutated and Rad3-Related–Dependent Checkpoint Pathway Promotes Cell Survival in Response to UV Irradiation. Cancer Research, 2006, 66, 2997-3005.	0.4	82
286	Radiosensitization of tumor cells by modulation of ATM kinase. International Journal of Radiation Biology, 2006, 82, 277-283.	1.0	17
287	ATR-Dependent Phosphorylation of DNA-Dependent Protein Kinase Catalytic Subunit in Response to UV-Induced Replication Stress. Molecular and Cellular Biology, 2006, 26, 7520-7528.	1.1	114
288	DNA Damage-Induced Cell Cycle Regulation and Function of Novel Chk2 Phosphoresidues. Molecular and Cellular Biology, 2006, 26, 7832-7845.	1.1	53

#	Article	IF	CITATIONS
289	Promyelocytic leukemia nuclear bodies are predetermined processing sites for damaged DNA. Journal of Cell Science, 2006, 119, 3284-3295.	1.2	60
290	ATM and ATR Pathways Signal Alternative Splicing of Drosophila TAF1 Pre-mRNA in Response to DNA Damage. Molecular and Cellular Biology, 2006, 26, 9256-9267.	1.1	59
291	DNA damage responses in progeroid syndromes arise from defective maturation of prelamin A. Journal of Cell Science, 2006, 119, 4644-4649.	1.2	209
292	Multifactorial contributions to an acute DNA damage response by BRCA1/BARD1-containing complexes. Genes and Development, 2006, 20, 34-46.	2.7	274
293	Protein Phosphatase 2A Antagonizes ATM and ATR in a Cdk2- and Cdc7-Independent DNA Damage Checkpoint. Molecular and Cellular Biology, 2006, 26, 1997-2011.	1.1	64
294	Ataxia-Telangiectasia-Mutated (ATM) Protein Can Enhance Human Immunodeficiency Virus Type 1 Replication by Stimulating Rev Function. Journal of Virology, 2006, 80, 2445-2452.	1.5	23
295	Targeting of p300/CREB Binding Protein Coactivators by Simian Virus 40 Is Mediated through p53. Journal of Virology, 2006, 80, 4292-4303.	1.5	31
296	Repeated Phosphopeptide Motifs in Human Claspin Are Phosphorylated by Chk1 and Mediate Claspin Function. Journal of Biological Chemistry, 2006, 281, 33276-33282.	1.6	58
297	Effect of combined DNA repair inhibition and G2 checkpoint inhibition on cell cycle progression after DNA damage. Molecular Cancer Therapeutics, 2006, 5, 885-892.	1.9	34
298	KAP1, a Novel Substrate for PIKK Family Members, Colocalizes with Numerous Damage Response Factors at DNA Lesions. Cancer Research, 2006, 66, 11594-11599.	0.4	123
299	Caffeine Targets TOR Complex I and Provides Evidence for a Regulatory Link between the FRB and Kinase Domains of Tor1p. Journal of Biological Chemistry, 2006, 281, 31616-31626.	1.6	164
300	Monoubiquitination of Proliferating Cell Nuclear Antigen Induced by Stalled Replication Requires Uncoupling of DNA Polymerase and Mini-chromosome Maintenance Helicase Activities*. Journal of Biological Chemistry, 2006, 281, 32081-32088.	1.6	86
301	Activation of Mammalian Target of Rapamycin (mTOR) by Insulin Is Associated with Stimulation of 4EBP1 Binding to Dimeric mTOR Complex 1. Journal of Biological Chemistry, 2006, 281, 24293-24303.	1.6	97
302	Ras Triggers Ataxia-telangiectasia-mutated and Rad-3-related Activation and Apoptosis through Sustained Mitogenic Signaling. Journal of Biological Chemistry, 2006, 281, 34759-34767.	1.6	29
303	Chaperoning Checkpoint Kinase 1 (Chk1), an Hsp90 Client, with Purified Chaperones. Journal of Biological Chemistry, 2006, 281, 2989-2998.	1.6	79
304	Cytogenetic methods for biodosimetry and risk individualisation after exposure to ionising radiation. Radiation Protection Dosimetry, 2006, 122, 513-520.	0.4	26
305	The Interaction between Two Radiosensitizers: 5-lododeoxyuridine and Caffeine. Cancer Research, 2006, 66, 490-498.	0.4	12
306	Phosphorylation of Xenopus Rad1 and Hus1 Defines a Readout for ATR Activation That Is Independent of Claspin and the Rad9 Carboxy Terminus. Molecular Biology of the Cell, 2006, 17, 1559-1569.	0.9	33

#	Article	IF	CITATIONS
307	Gallic acid causes inactivating phosphorylation of cdc25A/cdc25C-cdc2 via ATM-Chk2 activation, leading to cell cycle arrest, and induces apoptosis in human prostate carcinoma DU145 cells. Molecular Cancer Therapeutics, 2006, 5, 3294-3302.	1.9	114
308	The histone methyltransferase SET8 is required for S-phase progression. Journal of Cell Biology, 2007, 179, 1337-1345.	2.3	207
309	p300/CREB-binding Protein Interacts with ATR and Is Required for the DNA Replication Checkpoint. Journal of Biological Chemistry, 2007, 282, 9678-9687.	1.6	42
310	Regulation of Oxidative Stress Responses by Ataxia-Telangiectasia Mutated Is Required for T Cell Proliferation. Journal of Immunology, 2007, 178, 4757-4763.	0.4	20
311	Ku70/80 Modulates ATM and ATR Signaling Pathways in Response to DNA Double Strand Breaks. Journal of Biological Chemistry, 2007, 282, 10138-10145.	1.6	35
312	Benzo[a]pyrene-7,8-dihydrodiol Promotes Checkpoint Activation and G2/M Arrest in Human Bronchoalveolar Carcinoma H358 Cells. Molecular Pharmacology, 2007, 71, 744-750.	1.0	30
313	5-Azacytidine, a DNA methyltransferase inhibitor, induces ATR-mediated DNA double-strand break responses, apoptosis, and synergistic cytotoxicity with doxorubicin and bortezomib against multiple myeloma cells. Molecular Cancer Therapeutics, 2007, 6, 1718-1727.	1.9	154
314	The effects of male age on sperm DNA damage in healthy non-smokers. Human Reproduction, 2007, 22, 180-187.	0.4	210
315	R16, a novel amonafide analogue, induces apoptosis and G2-M arrest via poisoning topoisomerase II. Molecular Cancer Therapeutics, 2007, 6, 484-495.	1.9	75
316	DNA-activated protein kinase functions in a newly observed S phase checkpoint that links histone mRNA abundance with DNA replication. Journal of Cell Biology, 2007, 179, 1385-1398.	2.3	33
317	The ERCC1/XPF endonuclease is required for efficient single-strand annealing and gene conversion in mammalian cells. Nucleic Acids Research, 2007, 36, 1-9.	6.5	145
318	p53 Mediates Senescence-Like Arrest Induced by Chronic Replicational Stress. Molecular and Cellular Biology, 2007, 27, 5336-5351.	1.1	63
319	Vpr Cytopathicity Independent of G 2 /M Cell Cycle Arrest in Human Immunodeficiency Virus Type 1-Infected CD4 + T Cells. Journal of Virology, 2007, 81, 8878-8890.	1.5	51
320	Pathway-Specific Effect of Caffeine on Protection against UV Irradiation–Induced Apoptosis in Corneal Epithelial Cells. , 2007, 48, 652.		19
321	Targeting Checkpoint Kinase 1 in Cancer Therapeutics. Clinical Cancer Research, 2007, 13, 1955-1960.	3.2	141
322	Aspirin blocks proliferation in colon cells by inducing a G 1 arrest and apoptosis through activation of the checkpoint kinase ATM. Carcinogenesis, 2007, 28, 2207-2217.	1.3	50
323	The increase of cell-membranous phosphatidylcholines containing polyunsaturated fatty acid residues induces phosphorylation of p53 through activation of ATR. Journal of Cell Science, 2007, 120, 4134-4143.	1.2	38
324	Artemis Links ATM to G 2 $\!\!\!/\!\!M$ Checkpoint Recovery via Regulation of Cdk1-Cyclin B. Molecular and Cellular Biology, 2007, 27, 2625-2635.	1.1	53

#	Article	IF	Citations
325	Pentoxifylline Suppresses Transduction by HIV-1-Based Vectors. Intervirology, 2007, 50, 377-386.	1.2	9
326	Induction of Cullin 7 by DNA damage attenuates p53 function. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11388-11393.	3.3	28
327	Cellular senescence is an important mechanism of tumor regression upon c-Myc inactivation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13028-13033.	3.3	370
328	Caffeine Promotes Apoptosis in Mitotic Spindle Checkpoint-arrested Cells*. Journal of Biological Chemistry, 2007, 282, 6954-6964.	1.6	33
329	Fungal Malformins Inhibit Bleomycin-Induced G2 Checkpoint in Jurkat Cells. Biological and Pharmaceutical Bulletin, 2007, 30, 1379-1383.	0.6	35
330	Antigen-activated human T lymphocytes express cell-surface NKG2D ligands via an ATM/ATR-dependent mechanism and become susceptible to autologous NK- cell lysis. Blood, 2007, 110, 606-615.	0.6	257
331	Downregulation of transcription factor, Sp1, during cellular senescence. Biochemical and Biophysical Research Communications, 2007, 353, 86-91.	1.0	62
332	Hepatocyte growth factor at S phase induces G2 delay through sustained ERK activation. Biochemical and Biophysical Research Communications, 2007, 356, 300-305.	1.0	6
333	ATR signaling mediates an S-phase checkpoint after inhibition of poly(ADP-ribose) polymerase activity. DNA Repair, 2007, 6, 742-750.	1.3	23
334	The enigmatic effects of caffeine in cell cycle and cancer. Cancer Letters, 2007, 247, 26-39.	3.2	151
335	AG490 influences UCN-01-induced cytotoxicity in Glioma cells in a p53-dependent fashion, correlating with effects on BAX cleavage and BAD phosphorylation. Cancer Letters, 2007, 257, 36-46.	3.2	18
336	Possible involvement of RecQL4 in the repair of double-strand DNA breaks in Xenopus egg extracts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 556-564.	1.9	38
337	H2AX phosphorylation marks gemcitabine-induced stalled replication forks and their collapse upon S-phase checkpoint abrogation. Molecular Cancer Therapeutics, 2007, 6, 1239-1248.	1.9	180
338	Purvalanol A Enhances Cell Killing by Inhibiting Up-Regulation of CDC2 Kinase Activity in Tumor Cells Irradiated with High Doses of X Rays. Radiation Research, 2007, 167, 563-571.	0.7	13
339	Homology-Directed Repair is Required for the Development of Radioresistance during S Phase: Interplay between Double-Strand Break Repair and Checkpoint Response. Radiation Research, 2007, 167, 1-11.	0.7	73
340	p53-Dependent Chk1 Phosphorylation is Required for Maintenance of Prolonged G2Arrest. Radiation Research, 2007, 168, 706-715.	0.7	9
341	Activation of the S phase DNA damage checkpoint by mitomycin C. Journal of Cellular Physiology, 2007, 211, 468-476.	2.0	45
342	Interaction between ATM and PARP-1 in response to DNA damage and sensitization of ATM deficient cells through PARP inhibition. BMC Molecular Biology, 2007, 8, 29.	3.0	144

#	Article	IF	CITATIONS
343	ATR-dependent checkpoint modulates XPA nuclear import in response to UV irradiation. Oncogene, 2007, 26, 757-764.	2.6	84
344	Irradiation-induced G2/M checkpoint response requires ERK1/2 activation. Oncogene, 2007, 26, 4689-4698.	2.6	86
345	Identification of a PP2A-interacting protein that functions as a negative regulator of phosphatase activity in the ATM/ATR signaling pathway. Oncogene, 2007, 26, 6021-6030.	2.6	72
346	Targeted cancer therapies based on the inhibition of DNA strand break repair. Oncogene, 2007, 26, 7816-7824.	2.6	130
347	Versatile functions of p53 protein in multicellular organisms. Biochemistry (Moscow), 2007, 72, 1399-1421.	0.7	62
348	Functional interactions of DNA topoisomerases with a human replication origin. EMBO Journal, 2007, 26, 998-1009.	3.5	45
349	DNA damage induces Chk1â€dependent centrosome amplification. EMBO Reports, 2007, 8, 603-609.	2.0	108
350	p53-Deficient Cells Rely on ATM- and ATR-Mediated Checkpoint Signaling through the p38MAPK/MK2 Pathway for Survival after DNA Damage. Cancer Cell, 2007, 11, 175-189.	7.7	538
351	Hypersensitivity phenotypes associated with genetic and synthetic inhibitor-induced base excision repair deficiency. DNA Repair, 2007, 6, 530-543.	1.3	54
352	UV-induced apoptosis in XPG-deficient fibroblasts involves activation of CD95 and caspases but not p53. DNA Repair, 2007, 6, 602-614.	1.3	7
353	p53 suppression overwhelms DNA polymerase $\hat{\textbf{l}}\cdot$ deficiency in determining the cellular UV DNA damage response. DNA Repair, 2007, 6, 1794-1804.	1.3	12
354	Phosphorylation of p53 at serine 15 in A549 pulmonary epithelial cells exposed to vanadate: Involvement of ATM pathway. Toxicology and Applied Pharmacology, 2007, 220, 83-91.	1.3	17
355	Tuning Up or Down the UV-induced Apoptosis in Chinese Hamster Ovary Cells with Cell Cycle Inhibitors¶. Photochemistry and Photobiology, 2002, 75, 662-667.	1.3	0
356	Induction of foci of phosphorylated H2AX histones and premature chromosome condensation after DNA damage in Vicia faba root meristem. Biologia Plantarum, 2007, 51, 443-450.	1.9	14
357	H2AX foci in late S/G2- and M-phase cells after hydroxyurea- and aphidicolin-induced DNA replication stress in Vicia. Histochemistry and Cell Biology, 2007, 128, 227-241.	0.8	30
358	Bendamustine induces G2 cell cycle arrest and apoptosis in myeloma cells: the role of ATM-Chk2-Cdc25A and ATM-p53-p21-pathways. Journal of Cancer Research and Clinical Oncology, 2007, 134, 245-253.	1.2	59
359	Caffeine inhibits UV-mediated NF-lºB activation in A2058 melanoma cells: an ATM-PKCl̂-p38 MAPK-dependent mechanism. Molecular and Cellular Biochemistry, 2008, 308, 193-200.	1.4	34
360	Caffeine markedly sensitizes human mesothelioma cell lines to pemetrexed. Cancer Chemotherapy and Pharmacology, 2008, 61, 819-827.	1.1	11

#	Article	IF	CITATIONS
361	Various chemical agents can induce premature chromosome condensation in Vicia faba. Acta Physiologiae Plantarum, 2008, 30, 663-672.	1.0	9
362	Rapamycin and mTOR kinase inhibitors. Journal of Chemical Biology, 2008, 1, 27-36.	2.2	354
363	<i>Anti</i> â€diol epoxide of benzo[<i>a</i>]pyrene induces transient Mdm2 and p53 Ser15 phosphorylation, while <i>anti</i> â€diol epoxide of dibenzo[<i>a, </i>)pyrene induces a nontransient p53 Ser15 phosphorylation. Molecular Carcinogenesis, 2008, 47, 301-309.	1.3	14
364	Involvement of the role of Chk1 in lithiumâ€induced G2/M phase cell cycle arrest in hepatocellular carcinoma cells. Journal of Cellular Biochemistry, 2008, 104, 1181-1191.	1.2	22
365	Hepatitis B virus X protein affects S phase progression leading to chromosome segregation defects by binding to damaged DNA binding protein 1. Hepatology, 2008, 48, 1467-1476.	3.6	95
366	Hsp90-inhibitor geldanamycin abrogates G2 arrest in p53-negative leukemia cell lines through the depletion of Chk1. Oncogene, 2008, 27, 3091-3101.	2.6	25
367	p21WAF1/CIP1 induction by 5-azacytosine nucleosides requires DNA damage. Oncogene, 2008, 27, 3615-3623.	2.6	84
368	FANCI phosphorylation functions as a molecular switch to turn on the Fanconi anemia pathway. Nature Structural and Molecular Biology, 2008, 15, 1138-1146.	3.6	207
369	Geldanamycin promotes premature mitotic entry and micronucleation in irradiated p53/p21 deficient colon carcinoma cells. Oncogene, 2008, 27, 5567-5577.	2.6	23
370	Caffeine yields aneuploidy through asymmetrical cell division caused by misalignment of chromosomes. Cancer Science, 2008, 99, 1539-1545.	1.7	9
371	Caffeine extends yeast lifespan by targeting TORC1. Molecular Microbiology, 2008, 69, 277-285.	1,2	186
372	Induction of G2/M arrest and apoptosis by sesquiterpene lactones in human melanoma cell lines. Biochemical Pharmacology, 2008, 75, 369-382.	2.0	80
373	Induction of \hat{I}^3 -globin mRNA, erythroid differentiation and apoptosis in UVA-irradiated human erythroid cells in the presence of furocumarin derivatives. Biochemical Pharmacology, 2008, 75, 810-825.	2.0	39
374	The ERK-RSK1 activation by growth factors at G2 phase delays cell cycle progression and reduces mitotic aberrations. Cellular Signalling, 2008, 20, 1349-1358.	1.7	28
375	Phase Resetting of the Mammalian Circadian Clock by DNA Damage. Current Biology, 2008, 18, 286-291.	1.8	117
376	Sustained activation of p53 in confluent nucleotide excision repair-deficient cells resistant to ultraviolet-induced apoptosis. DNA Repair, 2008, 7, 922-931.	1.3	15
377	Inhibition of S-phase progression triggered by UVA-induced ROS does not require a functional DNA damage checkpoint response in mammalian cells. DNA Repair, 2008, 7, 1500-1516.	1.3	42
378	Interaction between PARP-1 and ATR in mouse fibroblasts is blocked by PARP inhibition. DNA Repair, 2008, 7, 1787-1798.	1.3	35

#	Article	IF	CITATIONS
379	Apoptotic death induced by the cyclophosphamide analogue mafosfamide in human lymphoblastoid cells: Contribution of DNA replication, transcription inhibition and Chk/p53 signaling. Toxicology and Applied Pharmacology, 2008, 229, 20-32.	1.3	46
380	Keeping checkpoint kinases in line: new selective inhibitors in clinical trials. Expert Opinion on Investigational Drugs, 2008, 17, 1331-1340.	1.9	62
381	Sonic Hedgehog signaling impairs ionizing radiation–induced checkpoint activation and induces genomic instability. Journal of Cell Biology, 2008, 183, 385-391.	2.3	60
382	HIV-1 Tat and AIDS-associated cancer: targeting the cellular anti-cancer barrier?. Journal of Experimental and Clinical Cancer Research, 2008, 27, 3.	3.5	46
383	A PP4-Phosphatase Complex Dephosphorylates \hat{I}^3 -H2AX Generated during DNA Replication. Molecular Cell, 2008, 31, 33-46.	4.5	218
384	Negative charged threonine 95 of c-Jun is essential for c-Jun N-terminal kinase-dependent phosphorylation of threonine 91/93 and stress-induced c-Jun biological activity. International Journal of Biochemistry and Cell Biology, 2008, 40, 307-316.	1.2	16
385	Romidepsin (depsipeptide) induced cell cycle arrest, apoptosis and histone hyperacetylation in lung carcinoma cells (A549) are associated with increase in p21 and hypophosphorylated retinoblastoma proteins expression. Biomedicine and Pharmacotherapy, 2008, 62, 85-93.	2.5	35
386	HMGA1 protein is a novel target of the ATM kinase. European Journal of Cancer, 2008, 44, 2668-2679.	1.3	22
387	ATM Acts Downstream of ATR in the DNA Damage Response Signaling of Bystander Cells. Cancer Research, 2008, 68, 7059-7065.	0.4	116
388	Resveratrol modulates DNA double-strand break repair pathways in an ATM/ATR–p53- and –Nbs1-dependent manner. Carcinogenesis, 2008, 29, 519-527.	1.3	54
389	Mdm2 as a Sensitive and Mechanistically Informative Marker for Genotoxicity Induced by Benzo[a]pyrene and Dibenzo[a,l]pyrene. Toxicological Sciences, 2008, 102, 232-240.	1.4	18
390	Cellular Functions of Human RPA1. Journal of Biological Chemistry, 2008, 283, 19095-19111.	1.6	100
391	Defective p53 signaling in p53 wild-type tumors attenuates p21waf1 induction and cyclin B repression rendering them sensitive to Chk1 inhibitors that abrogate DNA damage-induced S and G2 arrest. Molecular Cancer Therapeutics, 2008, 7, 252-262.	1.9	41
392	The Telomeric Protein TRF2 Is Critical for the Protection of A549 Cells from Both Telomere Erosion and DNA Double-Strand Breaks Driven by Salvicine. Molecular Pharmacology, 2008, 73, 824-832.	1.0	16
393	Live imaging of the <i>Dictyostelium </i> cell cycle reveals widespread S phase during development, a G2 bias in spore differentiation and a premitotic checkpoint. Development (Cambridge), 2008, 135, 1647-1657.	1.2	61
394	Nek6 is involved in G ₂ /M phase cell cycle arrest through DNA damage-induced phosphorylation. Cell Cycle, 2008, 7, 2705-2709.	1.3	54
395	Double-Stranded Break Can Be Repaired by Single-Stranded Oligonucleotides via the ATM/ATR Pathway in Mammalian Cells. Oligonucleotides, 2008, 18, 21-32.	2.7	19
396	γ-Irradiation–Induced DNA Damage Checkpoint Activation Involves Feedback Regulation between Extracellular Signal-Regulated Kinase 1/2 and BRCA1. Cancer Research, 2008, 68, 5113-5121.	0.4	23

#	Article	IF	CITATIONS
397	Dissecting the role of p53 phosphorylation in homologous recombination provides new clues for gain-of-function mutants. Nucleic Acids Research, 2008, 36, 5362-5375.	6.5	50
398	Dpb11 activates the Mec1–Ddc2 complex. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18730-18734.	3.3	110
399	DNA Damage Detection and Repair Pathwaysâ€"Recent Advances with Inhibitors of Checkpoint Kinases in Cancer Therapy. Clinical Cancer Research, 2008, 14, 4032-4037.	3.2	152
400	Characterization of cells expressing RNA polymerase II tagged with green fluorescent protein: Effect of ionizing irradiation on RNA synthesis. International Journal of Radiation Biology, 2008, 84, 778-787.	1.0	6
401	Ataxia-telangiectasia and Rad3-related and DNA-dependent protein kinase cooperate in G2 checkpoint activation by the DNA strand-breaking nucleoside analogue $2\hat{a}\in^2$ - $\langle i\rangle$ C $\langle i\rangle$ -cyano- $2\hat{a}\in^2$ -deoxy- $1\hat{l}^2$ - $\langle scp\rangle$ d $\langle scp\rangle$ - $\langle i\rangle$ arabino $\langle i\rangle$ -pentofuranosylcytosine. Molecular Cancer Therapeutics, 2008, 7, 133-142.	1.9	25
402	ATR kinase is required for global genomic nucleotide excision repair exclusively during S phase in human cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 17896-17901.	3.3	79
403	Rapid Cycling and Precocious Termination of G1 Phase in Cells Expressing CDK1AF. Molecular Biology of the Cell, 2008, 19, 3426-3441.	0.9	57
404	Differential Requirements of the C Terminus of Nbs1 in Suppressing Adenovirus DNA Replication and Promoting Concatemer Formation. Journal of Virology, 2008, 82, 8362-8372.	1.5	52
405	Notch activates cell cycle reentry and progression in quiescent cardiomyocytes. Journal of Cell Biology, 2008, 183, 129-141.	2.3	164
406	Abnormal Cytokinesis after X-Irradiation in Tumor Cells that Override the G2 DNA Damage Checkpoint. Cancer Research, 2008, 68, 3724-3732.	0.4	39
407	Human DNA polymerase \hat{l} activity and translocation is regulated by phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16578-16583.	3.3	62
408	Identification and characterization of a novel Mdm2 splice variant acutely induced by the chemotherapeutic agents Adriamycin and Actinomycin D. Cell Cycle, 2008, 7, 1580-1586.	1.3	8
409	Cep164 is a mediator protein required for the maintenance of genomic stability through modulation of MDC1, RPA, and CHK1. Genes and Development, 2008, 22, 587-600.	2.7	93
410	TLR9 engagement on CD4 T lymphocytes represses γ-radiation–induced apoptosis through activation of checkpoint kinase response elements. Blood, 2008, 111, 2704-2713.	0.6	41
411	DNA Damage Triggers p21 ^{WAF1} -dependent Emi1 Down-Regulation That Maintains G2 Arrest. Molecular Biology of the Cell, 2009, 20, 1891-1902.	0.9	66
412	Mechanism of Mpk1 Mitogen-Activated Protein Kinase Binding to the Swi4 Transcription Factor and Its Regulation by a Novel Caffeine-Induced Phosphorylation. Molecular and Cellular Biology, 2009, 29, 6449-6461.	1.1	47
413	Widespread Phosphorylation of Histone H2AX by Species C Adenovirus Infection Requires Viral DNA Replication. Journal of Virology, 2009, 83, 5987-5998.	1.5	46
414	Divergent S Phase Checkpoint Activation Arising from Prereplicative Complex Deficiency Controls Cell Survival. Molecular Biology of the Cell, 2009, 20, 3953-3964.	0.9	16

#	ARTICLE	IF	CITATIONS
415	Simian Virus 40 Large T Antigen Disrupts Genome Integrity and Activates a DNA Damage Response via Bub1 Binding. Journal of Virology, 2009, 83, 117-127.	1.5	114
416	DDB1 Targets Chk1 to the Cul4 E3 Ligase Complex in Normal Cycling Cells and in Cells Experiencing Replication Stress. Cancer Research, 2009, 69, 2630-2637.	0.4	110
417	HIV-1 Vpr Triggers Natural Killer Cell–Mediated Lysis of Infected Cells through Activation of the ATR-Mediated DNA Damage Response. PLoS Pathogens, 2009, 5, e1000613.	2.1	110
418	Bifunctional DNA Alkylator 1,3-Bis(2-chloroethyl)-1-nitrosourea Activates the ATR-Chk1 Pathway Independently of the Mismatch Repair Pathway. Molecular Pharmacology, 2009, 75, 1356-1363.	1.0	31
419	Caffeine Markedly Enhanced Radiation-Induced Bystander Effects. Plasma Science and Technology, 2009, 11, 250-254.	0.7	2
420	Control of Alternative Splicing by Signal-dependent Degradation of Splicing-regulatory Proteins. Journal of Biological Chemistry, 2009, 284, 10737-10746.	1.6	31
421	Inhibition of ATR protein kinase activity by schisandrin B in DNA damage response. Nucleic Acids Research, 2009, 37, 5678-5689.	6.5	115
422	Short and long-term tumor cell responses to Aurora kinase inhibitors. Experimental Cell Research, 2009, 315, 1085-1099.	1.2	32
423	DNA-PKcs and ATM co-regulate DNA double-strand break repair. DNA Repair, 2009, 8, 920-929.	1.3	117
424	PARP inhibition during alkylation-induced genotoxic stress signals a cell cycle checkpoint response mediated by ATM. DNA Repair, 2009, 8, 1264-1272.	1.3	22
425	Oxaliplatin-induced gamma-H2AX activation via both p53-dependent and -independent pathways but is not associated with cell cycle arrest in human colorectal cancer cells. Chemico-Biological Interactions, 2009, 182, 173-182.	1.7	29
426	Regulation of targeted gene repair by intrinsic cellular processes. BioEssays, 2009, 31, 159-168.	1.2	40
427	Chromosome shattering: a mitotic catastrophe due to chromosome condensation failure. European Biophysics Journal, 2009, 38, 729-747.	1.2	21
428	ATRâ€"Chk1 Pathway Inhibition Promotes Apoptosis after UV Treatment in Primary Human Keratinocytes: Potential Basis for the UV Protective Effects of Caffeine. Journal of Investigative Dermatology, 2009, 129, 1805-1815.	0.3	72
429	Induction of G2/M arrest by pseudolaric acid B is mediated by activation of the ATM signaling pathway. Acta Pharmacologica Sinica, 2009, 30, 442-450.	2.8	22
430	Potential mechanisms involved in resistant phenotype of MCF-7 breast carcinoma cells to ionizing radiation induced apoptosis. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1001-1006.	0.6	2
431	H2AX Is Required for Cell Cycle Arrest via the p53/p21 Pathway. Molecular and Cellular Biology, 2009, 29, 2828-2840.	1.1	143
432	The Drosophila HP1 Homolog Rhino Is Required for Transposon Silencing and piRNA Production by Dual-Strand Clusters. Cell, 2009, 138, 1137-1149.	13.5	382

#	Article	IF	CITATIONS
433	Caffeine augments Alprazolam induced cytotoxicity in human cell lines. Toxicology in Vitro, 2009, 23, 1100-1109.	1.1	9
434	Sfp1 Interaction with TORC1 and Mrs6 Reveals Feedback Regulation on TOR Signaling. Molecular Cell, 2009, 33, 704-716.	4.5	144
435	1-Methylxanthine enhances the radiosensitivity of tumor cells. International Journal of Radiation Biology, 2009, 85, 167-174.	1.0	5
436	ATM-ATR–dependent up-regulation of DNAM-1 and NKG2D ligands on multiple myeloma cells by therapeutic agents results in enhanced NK-cell susceptibility and is associated with a senescent phenotype. Blood, 2009, 113, 3503-3511.	0.6	384
437	Japanese Lung Cancer Research Trends and Performance in Science Citation Index. Internal Medicine, 2010, 49, 2219-2228.	0.3	130
438	Targeting abnormal DNA double strand break repair in cancer. Cellular and Molecular Life Sciences, 2010, 67, 3699-3710.	2.4	54
439	BRCA1 and its phosphorylation involved in caffeine-inhibitable event upstream of G2 checkpoint. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1281-1285.	2.0	2
440	Regulation of PCNA polyubiquitination in human cells. BMC Research Notes, 2010, 3, 85.	0.6	20
441	Influence of TEGDMA on the mammalian cell cycle in comparison with chemotherapeutic agents. Dental Materials, 2010, 26, 232-241.	1.6	35
442	In Silico Analysis of Kinase Expression Identifies WEE1 as a Gatekeeper against Mitotic Catastrophe in Glioblastoma. Cancer Cell, 2010, 18, 244-257.	7.7	238
443	Cell context-dependent involvement of ATR in early stages of retroviral replication. Virology, 2010, 396, 272-279.	1.1	11
444	The DNA damage response to non-replicating adeno-associated virus: Centriole overduplication and mitotic catastrophe independent of the spindle checkpoint. Virology, 2010, 400, 271-286.	1.1	10
445	Importance of DNA damage checkpoints in the pathogenesis of human cancers. Pathology Research and Practice, 2010, 206, 591-601.	1.0	69
446	Transdermal delivery of anticancer drug caffeine from water-in-oil nanoemulsions. Colloids and Surfaces B: Biointerfaces, 2010, 75, 356-362.	2.5	185
447	Caffeine enhances radiosensitization to orthotopic transplant LM3 hepatocellular carcinoma <i>in vivo</i> . Cancer Science, 2010, 101, 1440-1446.	1.7	8
448	Defective DNA double-strand break repair underlies enhanced tumorigenesis and chromosomal instability in p27-deficient mice with growth factor-induced oligodendrogliomas. Oncogene, 2010, 29, 1720-1731.	2.6	43
449	Wip1 phosphatase is associated with chromatin and dephosphorylates \hat{I}^3H2AX to promote checkpoint inhibition. Oncogene, 2010, 29, 2281-2291.	2.6	135
450	Protein phosphatase 2A has an essential role in the activation of \hat{l}^3 -irradiation-induced G2/M checkpoint response. Oncogene, 2010, 29, 4317-4329.	2.6	52

#	ARTICLE	IF	Citations
451	The Effect of a DNA Damaging Agent on Embryonic Cell Cycles of the Cnidarian Hydractinia echinata. PLoS ONE, 2010, 5, e11760.	1.1	4
452	PI 3 Kinase Related Kinases-Independent Proteolysis of BRCA1 Regulates Rad51 Recruitment during Genotoxic Stress in Human Cells. PLoS ONE, 2010, 5, e14027.	1.1	13
453	Prospects for the Use of ATR Inhibitors to Treat Cancer. Pharmaceuticals, 2010, 3, 1311-1334.	1.7	50
454	A naturally occurring human RPA subunit homolog does not support DNA replication or cell-cycle progression. Nucleic Acids Research, 2010, 38, 846-858.	6.5	34
455	Caffeine Confers Radiosensitization of <i>PTEN</i> -Deficient Malignant Glioma Cells by Enhancing Ionizing Radiation–Induced G1 Arrest and Negatively Regulating Akt Phosphorylation. Molecular Cancer Therapeutics, 2010, 9, 480-488.	1.9	27
456	Chemotherapy-Induced Genotoxic Stress Promotes Sensitivity to Natural Killer Cell Cytotoxicity by Enabling Missing-Self Recognition. Cancer Research, 2010, 70, 7102-7113.	0.4	94
457	Loss of Rb proteins causes genomic instability in the absence of mitogenic signaling. Genes and Development, 2010, 24, 1377-1388.	2.7	107
458	ATR/Chk1 pathway is essential for resumption of DNA synthesis and cell survival in UV-irradiated XP variant cells. Human Molecular Genetics, 2010, 19, 1690-1701.	1.4	67
459	The Protein Kinase Cδ Catalytic Fragment Is Critical for Maintenance of the G2/M DNA Damage Checkpoint. Journal of Biological Chemistry, 2010, 285, 1879-1887.	1.6	24
460	DNA Polymerase \hat{l} , a Key Protein in Translesion Synthesis in Human Cells. Sub-Cellular Biochemistry, 2010, 50, 189-209.	1.0	34
461	Replication factory activation can be decoupled from the replication timing program by modulating Cdk levels. Journal of Cell Biology, 2010, 188, 209-221.	2.3	61
462	Caffeine: A potential complexing agent for solubility and dissolution enhancement of celecoxib. Pharmaceutical Biology, 2010, 48, 113-115.	1.3	9
463	Gene expression profiling in primary mouse hepatocytes discriminates true from false-positive genotoxic compounds. Mutagenesis, 2010, 25, 561-568.	1.0	34
464	A minority of foci or pan-nuclear apoptotic staining of \hat{I}^3 H2AX in the S phase after UV damage contain DNA double-strand breaks. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6870-6875.	3.3	171
465	Multiple Mechanisms Downstream of TLR-4 Stimulation Allow Expression of NKG2D Ligands To Facilitate Macrophage/NK Cell Crosstalk. Journal of Immunology, 2010, 184, 6901-6909.	0.4	71
466	Regulation and Functional Contribution of Thymidine Kinase 1 in Repair of DNA Damage. Journal of Biological Chemistry, 2010, 285, 27327-27335.	1.6	62
467	Parvovirus Minute Virus of Mice Induces a DNA Damage Response That Facilitates Viral Replication. PLoS Pathogens, 2010, 6, e1001141.	2.1	90
468	S phase entry causes homocysteine-induced death while ataxia telangiectasia and Rad3 related protein functions anti-apoptotically to protect neurons. Brain, 2010, 133, 2295-2312.	3.7	28

#	ARTICLE	IF	CITATIONS
469	Negative regulation of CHK2 activity by protein phosphatase 2A is modulated by DNA damage. Cell Cycle, 2010, 9, 736-747.	1.3	34
470	Dynamic Dependence on ATR and ATM for Double-Strand Break Repair in Human Embryonic Stem Cells and Neural Descendants. PLoS ONE, 2010, 5, e10001.	1.1	103
471	Methylated DNA Causes a Physical Block to Replication Forks Independently of Damage Signalling, O6-Methylguanine or DNA Single-Strand Breaks and Results in DNA Damage. Journal of Molecular Biology, 2010, 402, 70-82.	2.0	64
472	An unusual DNA binding compound, S23906, induces mitotic catastrophe in cultured human cells. Cancer Letters, 2010, 289, 178-187.	3.2	21
473	Gambogic acid triggers DNA damage signaling that induces p53/p21Waf1/CIP1 activation through the ATR-Chk1 pathway. Cancer Letters, 2010, 296, 55-64.	3.2	61
474	Persimmon Leaf Extract Inhibits the ATM Activity during DNA Damage Response Induced by Doxorubicin in A549 Lung Adenocarcinoma Cells. Bioscience, Biotechnology and Biochemistry, 2011, 75, 650-655.	0.6	14
475	DNA Damage Response Signaling Triggers Nuclear Localization of the Chicken Anemia Virus Protein Apoptin. Journal of Virology, 2011, 85, 12638-12649.	1.5	27
476	Spermiogenesis in Sperm Genetic Integrity. , 2011, , 307-320.		0
477	Caffeine-suppressed ATM pathway leads to decreased p53 phosphorylation and increased programmed cell death in gamma-irradiated leukaemic molt-4 cells. Journal of Applied Biomedicine, 2011, 9, 49-56.	0.6	10
478	Double-Strand Breaks in Heterochromatin Move Outside of a Dynamic HP1a Domain to Complete Recombinational Repair. Cell, 2011, 144, 732-744.	13.5	470
479	ATM-mediated NuSAP phosphorylation induces mitotic arrest. Biochemical and Biophysical Research Communications, 2011, 404, 413-418.	1.0	12
480	Identification of Small Molecule Inhibitors of Phosphatidylinositol 3-Kinase and Autophagy. Journal of Biological Chemistry, 2011, 286, 38904-38912.	1.6	82
481	Death by releasing the breaks: CHK1 inhibitors as cancer therapeutics. Trends in Molecular Medicine, 2011, 17, 88-96.	3.5	240
482	Benzo[a]pyrene induces complex H2AX phosphorylation patterns by multiple kinases including ATM, ATR, and DNA-PK. Toxicology in Vitro, 2011, 25, 91-99.	1.1	33
483	A phospho-proteomic screen identifies substrates of the checkpoint kinase Chk1. Genome Biology, 2011, 12, R78.	13.9	123
484	Parvovirus B19 Infection of Human Primary Erythroid Progenitor Cells Triggers ATR-Chk1 Signaling, Which Promotes B19 Virus Replication. Journal of Virology, 2011, 85, 8046-8055.	1.5	64
485	Parvovirus B19 Nonstructural Protein-Induced Damage of Cellular DNA and Resultant Apoptosis. International Journal of Medical Sciences, 2011, 8, 88-96.	1.1	24
486	ATR (ataxia telangiectasia mutated- and Rad3-related kinase) is activated by mild hypothermia in mammalian cells and subsequently activates p53. Biochemical Journal, 2011, 435, 499-508.	1.7	34

#	Article	IF	CITATIONS
487	Serine palmitoyltransferase inhibitor myriocin induces growth inhibition of B16F10 melanoma cells through G2/M phase arrest. Cell Proliferation, 2011, 44, 320-329.	2.4	29
488	HMGA proteins promote ATM expression and enhance cancer cell resistance to genotoxic agents. Oncogene, 2011, 30, 3024-3035.	2.6	71
489	Camptothecin-induced downregulation of MLL5 contributes to the activation of tumor suppressor p53. Oncogene, 2011, 30, 3599-3611.	2.6	14
490	Global analysis for functional residues of histone variant Htz1 using the comprehensive point mutant library. Genes To Cells, 2011, 16, 590-607.	0.5	12
491	γH2Ax: Biomarker of Damage or Functional Participant in DNA Repair "All that Glitters Is not Gold!― Photochemistry and Photobiology, 2011, 87, 1230-1239.	1.3	96
492	The activation of the p53 pathway by the AMP mimetic AICAR is reduced by inhibitors of the ATM or mTOR kinases. Mechanisms of Ageing and Development, 2011, 132, 543-551.	2.2	21
493	Tits and bits of HIV Tat protein. Expert Opinion on Biological Therapy, 2011, 11, 269-283.	1.4	51
494	Maternal consumption of coffee and tea during pregnancy and risk of childhood ALL: results from an Australian case–control study. Cancer Causes and Control, 2011, 22, 207-218.	0.8	26
495	Curcumin induces DNA damage and caffeine-insensitive cell cycle arrest in colorectal carcinoma HCT116 cells. Molecular and Cellular Biochemistry, 2011, 354, 247-252.	1.4	46
496	Caffeine does not enhance radiosensitivity of normal liver tissue in vivo. Molecular Biology Reports, 2011, 38, 4359-4367.	1.0	5
497	Avian reovirus S1133-induced DNA damage signaling and subsequent apoptosis in cultured cells and in chickens. Archives of Virology, 2011, 156, 1917-1929.	0.9	30
498	Chk1 has an essential role in the survival of differentiated cortical neurons in the absence of DNA damage. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 449-459.	2.2	10
499	Proteomic identification of radiation response markers in mouse intestine and brain. Proteomics, 2011, 11, 1254-1263.	1.3	21
500	Inhibition of Ataxia Telangiectasia- and Rad3 -Related Function Abrogates the In Vitro and In Vivo Tumorigenicity of Human Colon Cancer Cells Through Depletion of the CD133+ Tumor-Initiating Cell Fraction. Stem Cells, 2011, 29, 418-429.	1.4	84
501	<i>CBFB</i> and <i>MYH11</i> in inv(16)(p13q22) of acute myeloid leukemia displaying close spatial proximity in interphase nuclei of human hematopoietic stem cells. Genes Chromosomes and Cancer, 2011, 50, 746-755.	1.5	1
502	Creating Higher Titer Lentivirus with Caffeine. Human Gene Therapy, 2011, 22, 93-100.	1.4	47
503	Small Ubiquitin-related Modifier Ligase Activity of Mms21 Is Required for Maintenance of Chromosome Integrity during the Unperturbed Mitotic Cell Division Cycle in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2011, 286, 14516-14530.	1.6	26
504	The effect of the intra-S-phase checkpoint on origins of replication in human cells. Genes and Development, 2011, 25, 621-633.	2.7	67

#	Article	IF	CITATIONS
505	Rapid and transient recruitment of DNMT1 to DNA double-strand breaks is mediated by its interaction with multiple components of the DNA damage response machinery. Human Molecular Genetics, 2011, 20, 126-140.	1.4	94
506	Analysis of protein dynamics at active, stalled, and collapsed replication forks. Genes and Development, 2011, 25, 1320-1327.	2.7	368
507	Coronavirus Infection Induces DNA Replication Stress Partly through Interaction of Its Nonstructural Protein 13 with the p125 Subunit of DNA Polymerase \hat{l} . Journal of Biological Chemistry, 2011, 286, 39546-39559.	1.6	81
508	DNA damage induces down-regulation of <italic>PEPCK</italic> and <italic>G6P</italic> gene expression through degradation of PGC-1α. Acta Biochimica Et Biophysica Sinica, 2011, 43, 589-594.	0.9	16
509	A new in vitro system for activating the cell cycle checkpoint. Cell Cycle, 2011, 10, 500-506.	1.3	16
510	Chromatin modifying protein 1A (Chmp1A) of the endosomal sorting complex required for transport (ESCRT)-III family activates ataxia telangiectasia mutated (ATM) for PanC-1 cell growth inhibition. Cell Cycle, 2011, 10, 2529-2539.	1.3	16
511	The DNA Damage Response Kinases DNA-dependent Protein Kinase (DNA-PK) and Ataxia Telangiectasia Mutated (ATM) Are Stimulated by Bulky Adduct-containing DNA. Journal of Biological Chemistry, 2011, 286, 19237-19246.	1.6	27
512	TAp73 Induction by Nitric Oxide. Journal of Biological Chemistry, 2011, 286, 7873-7884.	1.6	13
513	Functional relevance of the histone \hat{I}^3 H2Ax in the response to DNA damaging agents. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8663-8667.	3.3	112
514	Hyperosmotic Stress-induced ATF-2 Activation through Polo-like Kinase 3 in Human Corneal Epithelial Cells. Journal of Biological Chemistry, 2011, 286, 1951-1958.	1.6	32
515	Protection from UV-induced skin carcinogenesis by genetic inhibition of the ataxia telangiectasia and Rad3-related (ATR) kinase. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13716-13721.	3.3	48
516	Clinical Observations of Caffeine-Potentiated Chemotherapy. Journal of Caffeine Research, 2011, 1, 163-168.	1.0	5
517	Identification and evaluation of a potent novel ATR inhibitor, NU6027, in breast and ovarian cancer cell lines. British Journal of Cancer, 2011, 105, 372-381.	2.9	173
518	Caffeine induces apoptosis by enhancement of autophagy via PI3K/Akt/mTOR/p70S6K inhibition. Autophagy, 2011, 7, 176-187.	4.3	385
519	HPV 5 and 8 E6 Abrogate ATR Activity Resulting in Increased Persistence of UVB Induced DNA Damage. PLoS Pathogens, 2012, 8, e1002807.	2.1	123
520	Chk1 phosphorylates the tumour suppressor Mig-6, regulating the activation of EGF signalling. EMBO Journal, 2012, 31, 2365-2377.	3.5	25
521	The Methyl Xanthine Caffeine Inhibits DNA Damage Signaling and Reactive Species and Reduces Atherosclerosis in ApoE ^{â^'/â^'} Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2461-2467.	1.1	25
522	Selective tumor killing based on specific DNA-damage response deficiencies. Cancer Biology and Therapy, 2012, 13, 239-246.	1.5	10

#	Article	IF	CITATIONS
523	Xanthines Down-Regulate the Drug Transporter ABCG2 and Reverse Multidrug Resistance. Molecular Pharmacology, 2012, 81, 328-337.	1.0	36
524	The use of caffeine to assess high dose exposures to ionising radiation by dicentric analysis. Radiation Protection Dosimetry, 2012, 149, 392-398.	0.4	15
525	Checkpoint Kinase and Wee1 Inhibitors as Anticancer Therapeutics. , 2012, , 211-234.		6
526	To the Editor. Nature Genetics, 2012, 44, 360-361.	9.4	28
527	p53 and DNA-dependent protein kinase catalytic subunit independently function in regulating actin damage-induced tetraploid G1 arrest. Experimental and Molecular Medicine, 2012, 44, 236.	3.2	7
528	Cytosolic DNA Triggers Mitochondrial Apoptosis via DNA Damage Signaling Proteins Independently of AIM2 and RNA Polymerase III. Journal of Immunology, 2012, 188, 394-403.	0.4	16
529	Cyclin G is involved in meiotic recombination repair in Drosophila melanogaster. Journal of Cell Science, 2012, 125, 5555-63.	1.2	13
530	Radiation-induced double-strand breaks require ATM but not Artemis for homologous recombination during S-phase. Nucleic Acids Research, 2012, 40, 8336-8347.	6.5	37
531	Elevated Cyclin G2 Expression Intersects with DNA Damage Checkpoint Signaling and Is Required for a Potent G2/M Checkpoint Arrest Response to Doxorubicin. Journal of Biological Chemistry, 2012, 287, 22838-22853.	1.6	46
532	Non-apoptotic programmed cell death with paraptotic-like features in bleomycin-treated plant cells is suppressed by inhibition of ATM/ATR pathways or NtE2F overexpression. Journal of Experimental Botany, 2012, 63, 2631-2644.	2.4	18
533	CHK1 activity is required for continuous replication fork elongation but not stabilization of post-replicative gaps after UV irradiation. Nucleic Acids Research, 2012, 40, 8440-8448.	6.5	23
534	Potentiation of Bleomycin in Jurkat Cells by Fungal Pycnidione. Biological and Pharmaceutical Bulletin, 2012, 35, 18-28.	0.6	20
535	Caffeine Increases the Antitumor Effect of Cisplatin in Human Hepatocellular Carcinoma Cells. Biological and Pharmaceutical Bulletin, 2012, 35, 400-407.	0.6	25
536	DNA repair dysregulation from cancer driver to therapeutic target. Nature Reviews Cancer, 2012, 12, 801-817.	12.8	851
537	Cohesin Acetylation Promotes Sister Chromatid Cohesion Only in Association with the Replication Machinery. Journal of Biological Chemistry, 2012, 287, 34325-34336.	1.6	53
538	RAC1 GTPase plays an important role in \hat{I}^3 -irradiation induced G2/M checkpoint activation. Breast Cancer Research, 2012, 14, R60.	2.2	53
539	DNA damageâ€induced CHK1 autophosphorylation at Ser296 is regulated by an intramolecular mechanism. FEBS Letters, 2012, 586, 3974-3979.	1.3	32
540	Combination of quercetin with radiotherapy enhances tumor radiosensitivity in vitro and in vivo. Radiotherapy and Oncology, 2012, 104, 395-400.	0.3	79

#	Article	IF	CITATIONS
541	Dual effect of heat shock on DNA replication and genome integrity. Molecular Biology of the Cell, 2012, 23, 3450-3460.	0.9	68
542	Baculoviruses Modulate a Proapoptotic DNA Damage Response To Promote Virus Multiplication. Journal of Virology, 2012, 86, 13542-13553.	1.5	31
543	Modulation of DNA repair by pharmacological inhibitors of the PIKK protein kinase family. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5352-5359.	1.0	37
544	E2F1â€dependent pathways are involved in amonafide analogue 7â€dâ€induced DNA damage, G2/M arrest, and apoptosis in p53â€deficient K562 cells. Journal of Cellular Biochemistry, 2012, 113, 3165-3177.	1.2	8
545	Expression of <scp>LY</scp> 6 <scp>D</scp> is induced at the surface of <scp>MCF10A</scp> cells by <scp>X</scp> â€ray irradiation. FEBS Journal, 2012, 279, 4479-4491.	2.2	5
546	SB202190 affects cell response to hydroxyurea-induced genotoxic stress in root meristems of Vicia faba. Plant Physiology and Biochemistry, 2012, 60, 129-136.	2.8	4
547	Genotoxic stress modulates CDC25C phosphatase alternative splicing in human breast cancer cell lines. Molecular Oncology, 2012, 6, 542-552.	2.1	20
548	Dose Dependent Effects on Cell Cycle Checkpoints and DNA Repair by Bendamustine. PLoS ONE, 2012, 7, e40342.	1.1	27
549	ERK1/2 Signaling Plays an Important Role in Topoisomerase II Poison-Induced G2/M Checkpoint Activation. PLoS ONE, 2012, 7, e50281.	1.1	28
550	High Basal \hat{I}^3 H2AX Levels Sustain Self-Renewal of Mouse Embryonic and Induced Pluripotent Stem Cells. Stem Cells, 2012, 30, 1414-1423.	1.4	75
551	HER2/HER3 Signaling Regulates NK Cell-Mediated Cytotoxicity via MHC Class I Chain-Related Molecule A and B Expression in Human Breast Cancer Cell Lines. Journal of Immunology, 2012, 188, 2136-2145.	0.4	51
552	<i>ATR</i> controls the p21 ^{WAF1/Cip1} protein upâ€regulation and apoptosis in response to low UV fluences. Molecular Carcinogenesis, 2012, 51, 930-938.	1.3	12
553	Caffeine modifies effects of X-ray action on mice after exposure to radiation and exhibits radioprotective properties. Doklady Biochemistry and Biophysics, 2012, 442, 22-25.	0.3	3
554	Doxorubicin Induces the Persistent Activation of Intracellular Transglutaminase 2 That Protects from Cell Death. Molecules and Cells, 2012, 33, 235-242.	1.0	21
555	Stalled Pol \hat{i} at its cognate substrate initiates an alternative translesion synthesis pathway via interaction with REV1. Genes To Cells, 2012, 17, 98-108.	0.5	16
556	Targeting the S and G2 checkpoint to treat cancer. Drug Discovery Today, 2012, 17, 194-202.	3.2	138
557	Role of autophagy in chemoresistance: Regulation of the ATM-mediated DNA-damage signaling pathway through activation of DNA–PKcs and PARP-1. Biochemical Pharmacology, 2012, 83, 747-757.	2.0	84
558	TORC1 of fission yeast is rapamycinâ€sensitive. Genes To Cells, 2012, 17, 698-708.	0.5	45

#	ARTICLE	lF	Citations
559	Berberine, a genotoxic alkaloid, induces ATM-Chk1 mediated G2 arrest in prostate cancer cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 734, 20-29.	0.4	60
560	Nonâ€thermal <scp>DNA</scp> damage of cancer cells using nearâ€infrared irradiation. Cancer Science, 2012, 103, 1467-1473.	1.7	26
561	Dynamic color-coded fluorescence imaging of the cell-cycle phase, mitosis, and apoptosis demonstrates how caffeine modulates cisplatinum efficacy. Journal of Cellular Biochemistry, 2013, 114, 2454-2460.	1.2	21
562	Myosin 16 levels fluctuate during the cell cycle and are downregulated in response to DNA replication stress. Cytoskeleton, 2013, 70, 328-348.	1.0	27
563	Functional interplay between the DNA-damage-response kinase ATM and ARF tumour suppressor protein in human cancer. Nature Cell Biology, 2013, 15, 967-977.	4.6	113
564	ATM kinase enables the functional axis of YAP, PML and p53 to ameliorate loss of Werner protein-mediated oncogenic senescence. Cell Death and Differentiation, 2013, 20, 1498-1509.	5.0	39
565	Induction of erythroid differentiation and increased globin mRNA production with furocoumarins and their photoproducts. Journal of Photochemistry and Photobiology B: Biology, 2013, 121, 57-66.	1.7	10
566	Evaluation of anticancer effects and enhanced doxorubicin cytotoxicity of xanthine derivatives using canine hemangiosarcoma cell lines. Research in Veterinary Science, 2013, 95, 600-605.	0.9	13
567	Manipulation of DNA damage checkpoint signaling in cancer cells by antioxidant biofactor (AOB). Food and Function, 2013, 4, 63-73.	2.1	2
568	Chemotherapy for osteosarcoma – Where does it come from? What is it? Where is it going?. Expert Opinion on Pharmacotherapy, 2013, 14, 2183-2193.	0.9	51
569	Targeting DNA repair mechanisms in cancer. , 2013, 137, 298-308.		102
570	Obligate Ligation-Gated Recombination (ObLiGaRe): Custom-designed nuclease-mediated targeted integration through nonhomologous end joining. Genome Research, 2013, 23, 539-546.	2.4	280
571	Dissimilar effects of \hat{l}^2 -lapachone- and hydroxyurea-induced DNA replication stress in root meristem cells of Allium cepa. Plant Physiology and Biochemistry, 2013, 73, 282-293.	2.8	10
572	Viral protein R upregulates expression of ULBP2 on uninfected bystander cells during HIV-1 infection of primary CD4+ T lymphocytes. Virology, 2013, 443, 248-256.	1.1	14
573	HPV 5 and 8 E6 expression reduces ATM protein levels and attenuates LINE-1 retrotransposition. Virology, 2013, 443, 69-79.	1.1	35
574	Molecular Imaging of the ATM Kinase Activity. International Journal of Radiation Oncology Biology Physics, 2013, 86, 969-977.	0.4	13
575	Molecular targets and mechanisms of radiosensitization using DNA damage response pathways. Future Oncology, 2013, 9, 219-233.	1.1	62
576	Host DNA damage response facilitates African swine fever virus infection. Veterinary Microbiology, 2013, 165, 140-147.	0.8	21

#	Article	IF	CITATIONS
577	Biological clues to potent DNA-damaging activities in food and flavoring. Food and Chemical Toxicology, 2013, 55, 557-567.	1.8	16
578	DNA-dependent protein kinase and its inhibition in support of radiotherapy. International Journal of Radiation Biology, 2013, 89, 416-423.	1.0	22
579	Inhibiting the <scp>DNA</scp> damage response as a therapeutic manoeuvre in cancer. British Journal of Pharmacology, 2013, 169, 1745-1765.	2.7	64
580	Inhibition of ATR kinase with the selective inhibitor VE-821 results in radiosensitization of cells of promyelocytic leukaemia (HL-60). Radiation and Environmental Biophysics, 2013, 52, 471-479.	0.6	31
581	ATM Kinase Inhibition Preferentially Sensitizes p53-Mutant Glioma to Ionizing Radiation. Clinical Cancer Research, 2013, 19, 3189-3200.	3.2	167
582	Parvovirus infection-induced DNA damage response. Future Virology, 2013, 8, 245-257.	0.9	41
583	Environmental Stresses Disrupt Telomere Length Homeostasis. PLoS Genetics, 2013, 9, e1003721.	1.5	89
584	Caffeine suppresses homologous recombination through interference with RAD51-mediated joint molecule formation. Nucleic Acids Research, 2013, 41, 6475-6489.	6.5	24
585	ATM and ATR Activities Maintain Replication Fork Integrity during SV40 Chromatin Replication. PLoS Pathogens, 2013, 9, e1003283.	2.1	58
586	Quantitative Profiling of DNA Damage and Apoptotic Pathways in UV Damaged Cells Using PTMScan Direct. International Journal of Molecular Sciences, 2013, 14, 286-307.	1.8	14
587	ATR Inhibition Broadly Sensitizes Ovarian Cancer Cells to Chemotherapy Independent of BRCA Status. Cancer Research, 2013, 73, 3683-3691.	0.4	160
588	Nature vs nurture: Interplay between the genetic control of telomere length and environmental factors. Cell Cycle, 2013, 12, 3465-3470.	1.3	23
589	Chronic Caffeine Administration Attenuates Vascular Injury-Induced Neointimal Hyperplasia in Rats. Journal of Caffeine Research, 2013, 3, 163-168.	1.0	1
590	Cell cycleâ€dependent formation of Cdc45–Claspin complexes in human cells is compromized by <scp>UV</scp> â€mediated <scp>DNA</scp> damage. FEBS Journal, 2013, 280, 4888-4902.	2.2	12
591	APE2 is required for ATR-Chk1 checkpoint activation in response to oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10592-10597.	3.3	87
592	Ataxia Telangiectasia-mutated- and Rad3-related Protein Regulates the DNA Damage-induced G2/M Checkpoint through the Aurora A Cofactor Bora Protein. Journal of Biological Chemistry, 2013, 288, 16139-16144.	1.6	34
593	Curcumin-induced mitotic arrest is characterized by spindle abnormalities, defects in chromosomal congression and DNA damage. Carcinogenesis, 2013, 34, 351-360.	1.3	32
594	$\langle scp \rangle TORC \langle /scp \rangle 1$ signaling inhibition by rapamycin and caffeine affect lifespan, global gene expression, and cell proliferation of fission yeast. Aging Cell, 2013, 12, 563-573.	3.0	120

#	Article	IF	CITATIONS
595	The nucleolus stress response is coupled to an ATR-Chk1–mediated G2 arrest. Molecular Biology of the Cell, 2013, 24, 1334-1342.	0.9	46
596	Differential Effect of Schisandrin B Stereoisomers on ATR-Mediated DNA Damage Checkpoint Signaling. Journal of Pharmacological Sciences, 2013, 122, 138-148.	1.1	9
597	Repair of DNA Strand Breaks in a Minichromosome In Vivo: Kinetics, Modeling, and Effects of Inhibitors. PLoS ONE, 2013, 8, e52966.	1.1	7
598	The Smc5/Smc6/MAGE Complex Confers Resistance to Caffeine and Genotoxic Stress in Drosophila melanogaster. PLoS ONE, 2013, 8, e59866.	1.1	19
599	Non-Canonical CRL4A/4BCDT2 Interacts with RAD18 to Modulate Post Replication Repair and Cell Survival. PLoS ONE, 2013, 8, e60000.	1.1	8
600	Chromatin Relaxation-Mediated Induction of p19INK4d Increases the Ability of Cells to Repair Damaged DNA. PLoS ONE, 2013, 8, e61143.	1.1	12
601	Caffeine-induced endothelial cell death and the inhibition of angiogenesis. Anatomy and Cell Biology, 2013, 46, 57.	0.5	23
602	DNA repair inhibition in anti-cancer therapeutics. , 0, , 936-944.		0
603	Molecular Bases of Ataxia Telangiectasia: One Kinase Multiple Functions., 0,,.		1
604	A Majority of Human Melanoma Cell Lines Exhibits an S Phase-Specific Defect in Excision of UV-Induced DNA Photoproducts. PLoS ONE, 2014, 9, e85294.	1.1	25
605	Activation of the Prereplication Complex Is Blocked by Mimosine through Reactive Oxygen Species-activated Ataxia Telangiectasia Mutated (ATM) Protein without DNA Damage. Journal of Biological Chemistry, 2014, 289, 5730-5746.	1.6	33
606	Mitogen-activated protein kinase signal transduction and DNA repair network are involved in aluminum-induced DNA damage and adaptive response in root cells of Allium cepa L Frontiers in Plant Science, 2014, 5, 256.	1.7	19
607	Identification of ATR–Chk1 Pathway Inhibitors That Selectively Target p53-Deficient Cells without Directly Suppressing ATR Catalytic Activity. Cancer Research, 2014, 74, 7534-7545.	0.4	25
608	Significance of the melanocortin 1 receptor in the DNA damage response of human melanocytes to ultraviolet radiation. Pigment Cell and Melanoma Research, 2014, 27, 601-610.	1.5	57
609	The natural anticancer compound rocaglamide selectively inhibits the G1-S-phase transition in cancer cells through the ATM/ATR-mediated $Chk1/2$ cell cycle checkpoints. International Journal of Cancer, 2014, 134, 1991-2002.	2.3	26
610	Chemical strategies for development of ATR inhibitors. Expert Reviews in Molecular Medicine, 2014, 16, e10.	1.6	19
611	Induction of H2AX phosphorylation in tumor cells by gossypol acetic acid is mediated by phosphatidylinositol 3-kinase (PI3K) family. Cancer Cell International, 2014, 14, 141.	1.8	7
612	The human oncoprotein MDM2 induces replication stress eliciting early intra-S-phase checkpoint response and inhibition of DNA replication origin firing. Nucleic Acids Research, 2014, 42, 926-940.	6.5	87

#	Article	IF	Citations
613	The mRNP remodeling mediated by UPF1 promotes rapid degradation of replication-dependent histone mRNA. Nucleic Acids Research, 2014, 42, 9334-9349.	6.5	32
614	cAMP signaling inhibits radiation-induced ATM phosphorylation leading to the augmentation of apoptosis in human lung cancer cells. Molecular Cancer, 2014, 13, 36.	7.9	50
615	Activation of DNA damage repair pathways in response to nitrogen mustard-induced DNA damage and toxicity in skin keratinocytes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2014, 763-764, 53-63.	0.4	31
616	Targeting ATR in DNA damage response and cancer therapeutics. Cancer Treatment Reviews, 2014, 40, 109-117.	3.4	152
617	Molecular dynamics-based self-organizing molecular field analysis on 3-amino-6-arylpyrazines as the ataxia telangiectasia mutated and Rad3 related (ATR) protein kinase inhibitors. Medicinal Chemistry Research, 2014, 23, 747-758.	1,1	3
618	Maternal coffee consumption during pregnancy and risk of childhood acute leukemia: a metaanalysis. American Journal of Obstetrics and Gynecology, 2014, 210, 151.e1-151.e10.	0.7	29
619	Inhibition of DNA Repair as a Therapeutic Target. , 2014, , 193-237.		0
620	Ultrastructural changes associated with the induction of premature chromosome condensation in Vicia faba root meristem cells. Plant Cell Reports, 2014, 33, 1547-1564.	2.8	8
621	RIP1 maintains DNA integrity and cell proliferation by regulating PGC-1α-mediated mitochondrial oxidative phosphorylation and glycolysis. Cell Death and Differentiation, 2014, 21, 1061-1070.	5.0	29
622	Enhancement of recombinant myricetin on the radiosensitivity of lung cancer A549 and H1299 cells. Diagnostic Pathology, 2014, 9, 68.	0.9	38
623	Selective Targeting of the G2/M Cell Cycle Checkpoint to Improve the Therapeutic Index of Radiotherapy. Clinical Oncology, 2014, 26, 257-265.	0.6	82
624	Targeting homologous recombination-mediated DNA repair in cancer. Expert Opinion on Therapeutic Targets, 2014, 18, 427-458.	1.5	43
625	Roles of Chk1 in cell biology and cancer therapy. International Journal of Cancer, 2014, 134, 1013-1023.	2.3	341
626	NSC746364, a G-Quadruplex-Stabilizing Agent, Suppresses Cell Growth of A549 Human Lung Cancer Cells Through Activation of the ATR/Chk1-Dependent Pathway. Journal of Pharmacological Sciences, 2014, 124, 7-17.	1.1	9
627	Selective internal radiotherapy using proton-induced monochromatic X-rays and cancer-targeting nanoparticle sensitizers. International Journal of PIXE, 2015, 25, 101-111.	0.4	0
628	Andâ€1 coordinates with Claspin for efficient Chk1 activation in response to replication stress. EMBO Journal, 2015, 34, 2096-2110.	3.5	34
629	Caffeine Intake, Coffee Consumption, and Risk of Cutaneous Malignant Melanoma. Epidemiology, 2015, 26, 898-908.	1.2	36
630	Caffeine Suppresses Apoptosis of Bladder Cancer RT4 Cells in Response to Ionizing Radiation by Inhibiting Ataxia Telangiectasia Mutated-Chk2-p53 Axis. Chinese Medical Journal, 2015, 128, 2938-2945.	0.9	7

#	Article	IF	CITATIONS
631	Identifying New Candidate Genes and Chemicals Related to Prostate Cancer Using a Hybrid Network and Shortest Path Approach. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-12.	0.7	9
632	DNA Damage Signalling and Repair Inhibitors: The Long-Sought-After Achilles' Heel of Cancer. Biomolecules, 2015, 5, 3204-3259.	1.8	85
633	Contrasting Effects of the Cytotoxic Anticancer Drug Gemcitabine and the EGFR Tyrosine Kinase Inhibitor Gefitinib on NK Cell-Mediated Cytotoxicity via Regulation of NKG2D Ligand in Non-Small-Cell Lung Cancer Cells. PLoS ONE, 2015, 10, e0139809.	1.1	26
634	The effect of caffeine on cisplatin-induced apoptosis of lung cancer cells. Experimental Hematology and Oncology, 2015, 4, 5.	2.0	32
635	Will Targeting Chk1 Have a Role in the Future of Cancer Therapy?. Journal of Clinical Oncology, 2015, 33, 1075-1077.	0.8	36
636	H3K4me3 demethylation by the histone demethylase KDM5C/JARID1C promotes DNA replication origin firing. Nucleic Acids Research, 2015, 43, 2560-2574.	6.5	58
637	The influence of ATM, ATR, DNA-PK inhibitors on the cytotoxic and genotoxic effects of dibenzo[def,p]chrysene on human hepatocellular cancer cell line HepG2. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 791, 12-24.	0.9	6
638	Caffeine impairs resection during DNA break repair by reducing the levels of nucleases Sae2 and Dna2. Nucleic Acids Research, 2015, 43, 6889-6901.	6.5	43
639	Jaridonin-induced G2/M phase arrest in human esophageal cancer cells is caused by reactive oxygen species-dependent Cdc2-tyr15 phosphorylation via ATM–Chk1/2–Cdc25C pathway. Toxicology and Applied Pharmacology, 2015, 282, 227-236.	1.3	39
640	DNA damage response – A double-edged sword in cancer prevention and cancer therapy. Cancer Letters, 2015, 358, 8-16.	3.2	155
641	Nitric oxide donors increase PVR/CD155 DNAM-1 ligand expression in multiple myeloma cells: role of DNA damage response activation. BMC Cancer, 2015, 15, 17.	1,1	54
642	Activation and Inhibition of ATM by Phytochemicals: Awakening and Sleeping the Guardian Angel Naturally. Archivum Immunologiae Et Therapiae Experimentalis, 2015, 63, 357-366.	1.0	5
643	Mechanism of heat stress-induced cellular senescence elucidates the exclusive vulnerability of early S-phase cells to mild genotoxic stress. Nucleic Acids Research, 2015, 43, 6309-6320.	6. 5	59
644	VRK1 chromatin kinase phosphorylates H2AX and is required for foci formation induced by DNA damage. Epigenetics, 2015, 10, 373-383.	1.3	54
645	Mechanism of Action Studies of Lomaiviticin A and the Monomeric Lomaiviticin Aglycon. Selective and Potent Activity Toward DNA Double-Strand Break Repair-Deficient Cell Lines. Journal of the American Chemical Society, 2015, 137, 5741-5747.	6.6	17
646	A cell-based high-throughput screening assay for radiation susceptibility using automated cell counting. Radiation Oncology, 2015, 10, 55.	1.2	8
647	Regulated degradation of Chk1 by chaperone-mediated autophagy in response to DNA damage. Nature Communications, 2015, 6, 6823.	5.8	168
648	Trial Watch: Targeting ATM–CHK2 and ATR–CHK1 pathways for anticancer therapy. Molecular and Cellular Oncology, 2015, 2, e1012976.	0.3	117

#	Article	IF	CITATIONS
649	Caffeine inhibits gene conversion by displacing Rad51 from ssDNA. Nucleic Acids Research, 2015, 43, 6902-6918.	6.5	17
650	Selection and optimization of transfection enhancer additives for increased virus-like particle production in HEK293 suspension cell cultures. Applied Microbiology and Biotechnology, 2015, 99, 9935-9949.	1.7	32
651	Molecular Pathways: Targeting ATR in Cancer Therapy. Clinical Cancer Research, 2015, 21, 4780-4785.	3.2	204
652	Drugging ATR: progress in the development of specific inhibitors for the treatment of cancer. Future Medicinal Chemistry, 2015, 7, 873-891.	1.1	68
653	ATM and ATR as therapeutic targets in cancer. , 2015, 149, 124-138.		487
654	Extreme tolerance and developmental buffering of UV induced DNA damage in embryos of the annual killifish <i>Austrofundulus limnaeus</i>). Journal of Experimental Zoology, 2015, 323, 10-30.	1.2	14
655	The complexity of DNA double strand break is a crucial factor for activating ATR signaling pathway for G2/M checkpoint regulation regardless of ATM function. DNA Repair, 2015, 25, 72-83.	1.3	23
656	BRCA1, FANCD2 and Chk1 are potential molecular targets for the modulation of a radiation-induced DNA damage response in bystander cells. Cancer Letters, 2015, 356, 454-461.	3.2	39
657	A novel function of HER2/Neu in the activation of G2/M checkpoint in response to \hat{I}^3 -irradiation. Oncogene, 2015, 34, 2215-2226.	2.6	31
658	v-Src Causes Chromosome Bridges in a Caffeine-Sensitive Manner by Generating DNA Damage. International Journal of Molecular Sciences, 2016, 17, 871.	1.8	16
659	p53-independent structure-activity relationships of 3-ring mesogenic compounds' activity as cytotoxic effects against human non-small cell lung cancer lines. BMC Cancer, 2016, 16, 521.	1.1	14
660	Higher Caffeinated Coffee Intake Is Associated with Reduced Malignant Melanoma Risk: A Meta-Analysis Study. PLoS ONE, 2016, 11, e0147056.	1.1	38
661	Squalene Inhibits ATM-Dependent Signaling in \hat{I}^3 IR-Induced DNA Damage Response through Induction of Wip1 Phosphatase. PLoS ONE, 2016, 11, e0147570.	1.1	14
662	Src family kinases maintain the balance between replication stress and the replication checkpoint. Cell Biology International, 2016, 40, 16-26.	1.4	5
663	Sensitization strategies in lung cancer. Oncology Letters, 2016, 12, 3669-3673.	0.8	2
664	A Surveillance Mechanism Ensures Repair of DNA Lesions during Zygotic Reprogramming. Cell, 2016, 167, 1774-1787.e13.	13.5	58
665	In vitro cellular radiosensitivity in relationship to late normal tissue reactions in breast cancer patients: a multi-endpoint case-control study. International Journal of Radiation Biology, 2016, 92, 823-836.	1.0	21
666	Distinct Roles for Human Cytomegalovirus Immediate Early Proteins IE1 and IE2 in the Transcriptional Regulation of MICA and PVR/CD155 Expression. Journal of Immunology, 2016, 197, 4066-4078.	0.4	28

#	Article	IF	CITATIONS
667	Positive feedback regulation of p53 transactivity by DNA damage-induced ISG15 modification. Nature Communications, 2016, 7, 12513.	5.8	88
668	Emerging targets for radioprotection and radiosensitization in radiotherapy. Tumor Biology, 2016, 37, 11589-11609.	0.8	23
669	Synergistic potentiation of (\hat{a}^{-}) -lomaiviticin A cytotoxicity by the ATR inhibitor VE-821. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3122-3126.	1.0	4
670	Disruption of DNA Damage-Response by Propyl Gallate and 9-Aminoacridine. Toxicological Sciences, 2016, 151, 224-235.	1.4	6
671	Novel caffeine derivatives with antiproliferative activity. RSC Advances, 2016, 6, 32534-32539.	1.7	12
672	Curcumin-treated cancer cells show mitotic disturbances leading to growth arrest and induction of senescence phenotype. International Journal of Biochemistry and Cell Biology, 2016, 74, 33-43.	1.2	35
673	Breaking the DNA damage response to improve cervical cancer treatment. Cancer Treatment Reviews, 2016, 42, 30-40.	3.4	54
674	Sodium glycididazole enhances the radiosensitivity of laryngeal cancer cells through downregulation of ATM signaling pathway. Tumor Biology, 2016, 37, 5869-5878.	0.8	9
675	The TORC1â€"Sch9â€"Rim15 signaling pathway represses yeastâ€toâ€hypha transition in response to glycerol availability in the oleaginous yeast <i>Yarrowia lipolytica</i> . Molecular Microbiology, 2017, 104, 553-567.	1.2	14
676	DNA-damage-induced degradation of EXO1 exonuclease limits DNA end resection to ensure accurate DNA repair. Journal of Biological Chemistry, 2017, 292, 10779-10790.	1.6	61
677	Targeting ATR in cancer medicine. Current Problems in Cancer, 2017, 41, 302-315.	1.0	43
678	DNA damage-induced ATM- and Rad-3-related (ATR) kinase activation in non-replicating cells is regulated by the XPB subunit of transcription factor IIH (TFIIH). Journal of Biological Chemistry, 2017, 292, 12424-12435.	1.6	13
679	Geminin is an indispensable inhibitor of Cdt1 in mouse embryonic stem cells. Genes To Cells, 2017, 22, 360-375.	0.5	5
680	Detection of DNA doubleâ€strand breaks by pulsedâ€field gel electrophoresis. Genes To Cells, 2017, 22, 84-93.	0.5	20
681	ATM, ATR, CHK1, CHK2 and WEE1 inhibitors in cancer and cancer stem cells. MedChemComm, 2017, 8, 295-319.	3.5	81
682	DNA damage response inhibitors: Mechanisms and potential applications in cancer therapy. Cancer Treatment Reviews, 2017, 60, 139-151.	3.4	130
683	Approaches for Identifying Novel Targets in Precision Medicine: Lessons from DNA Repair. Advances in Experimental Medicine and Biology, 2017, 1007, 1-16.	0.8	3
684	A role of human RNase P subunits, Rpp29 and Rpp21, in homology directed-repair of double-strand breaks. Scientific Reports, 2017, 7, 1002.	1.6	22

#	Article	IF	Citations
685	Modulation of the DNA-Damage Response by Inhibitors of the Phosphatidylinositol 3-Kinase Related Kinase (PIKK) Family. Topics in Medicinal Chemistry, 2017, , 189-189.	0.4	O
686	Circulating metabolite profiles to predict overall survival in advanced non-small cell lung cancer patients receiving first-line chemotherapy. Lung Cancer, 2017, 114, 70-78.	0.9	15
687	Inhibition of ataxia telangiectasia related-3 (ATR) improves therapeutic index in preclinical models of non-small cell lung cancer (NSCLC) radiotherapy. Radiotherapy and Oncology, 2017, 124, 475-481.	0.3	30
688	Xeroderma Pigmentosum and the DNA Damage Response to Ultraviolet Light. , 2017, , 363-380.		1
689	Caffeine Has a Synergistic Anticancer Effect with Cisplatin <i>via</i> Inhibiting Fanconi Anemia Group D2 Protein Monoubiquitination in Hepatocellular Carcinoma Cells. Biological and Pharmaceutical Bulletin, 2017, 40, 2005-2009.	0.6	8
690	Discovery of AZD0156: The First Potent and Selective Inhibitor of ATM Kinase for Clinical Evaluation. , 2017, , 161-177.		4
691	Targeting the ATR-CHK1 Axis in Cancer Therapy. Cancers, 2017, 9, 41.	1.7	156
692	The Role of the Core Non-Homologous End Joining Factors in Carcinogenesis and Cancer. Cancers, 2017, 9, 81.	1.7	119
693	Impact of Age and Insulin-Like Growth Factor-1 on DNA Damage Responses in UV-Irradiated Human Skin. Molecules, 2017, 22, 356.	1.7	41
694	Scientific Opinion on Flavouring Group Evaluation 49, Revision 1 (FGE.49Rev1): xanthine alkaloids from the priority list. EFSA Journal, 2017, 15, e04729.	0.9	5
695	Targeting DNA Damage Response Pathways in Cancer. , 2017, , 104-133.		0
696	Maternal consumption of coffee and tea during pregnancy and risk of childhood ALL: a pooled analysis from the childhood Leukemia International Consortium. Cancer Causes and Control, 2018, 29, 539-550.	0.8	20
697	$\mathrm{ER}\hat{l}^2$ Sensitizes NSCLC to Chemotherapy by Regulating DNA Damage Response. Molecular Cancer Research, 2018, 16, 233-242.	1.5	14
698	Chk1 inhibitors overcome imatinib resistance in chronic myeloid leukemia cells. Leukemia Research, 2018, 64, 17-23.	0.4	12
699	Caffeine Protects Skin from Oxidative Stress-Induced Senescence through the Activation of Autophagy. Theranostics, 2018, 8, 5713-5730.	4.6	116
700	ATM Induces Cell Death with Autophagy in Response to H ₂ O ₂ Specifically in <i>Caenorhabditis elegans</i> Nondividing Cells. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-9.	1.9	6
701	Selective human inhibitors of ATR and ATM render Leishmania major promastigotes sensitive to oxidative damage. PLoS ONE, 2018, 13, e0205033.	1.1	11
702	Relationship between the Regulation of Caspase-8-Mediated Apoptosis and Radioresistance in Human THP-1-Derived Macrophages. International Journal of Molecular Sciences, 2018, 19, 3154.	1.8	8

#	Article	IF	CITATIONS
703	A novel cell-based screening assay for small-molecule MYB inhibitors identifies podophyllotoxins teniposide and etoposide as inhibitors of MYB activity. Scientific Reports, 2018, 8, 13159.	1.6	20
704	Î ² -Cell DNA Damage Response Promotes Islet Inflammation in Type 1 Diabetes. Diabetes, 2018, 67, 2305-2318.	0.3	35
705	Inhibition of DNAâ€'PK activity sensitizes A549 cells to Xâ€'ray irradiation by inducing the ATMâ€'dependent DNA damage response. Molecular Medicine Reports, 2018, 17, 7545-7552.	1,1	9
706	Mechanistic considerations in chemotherapeutic activity of caffeine. Biomedicine and Pharmacotherapy, 2018, 105, 312-319.	2.5	29
707	Targeting ATR for Cancer Therapy: Profile and Expectations for ATR Inhibitors. Cancer Drug Discovery and Development, 2018, , 63-97.	0.2	0
708	Targeting ATR for Cancer Therapy: ATR-Targeted Drug Candidates. Cancer Drug Discovery and Development, 2018, , 99-127.	0.2	1
709	Pre-clinical Profile and Expectations for Pharmacological ATM Inhibition. Cancer Drug Discovery and Development, 2018, , 155-183.	0.2	0
710	Targeting ATM for Cancer Therapy: Prospects for Drugging ATM. Cancer Drug Discovery and Development, 2018, , 185-208.	0.2	1
711	Caffeine Sensitizes U87-MG Human Glioblastoma Cells to Temozolomide through Mitotic Catastrophe by Impeding G2 Arrest. BioMed Research International, 2018, 2018, 1-10.	0.9	11
712	Virtual Screening and Statistical Analysis in the Design of New Caffeine Analogues Molecules with Potential Epithelial Anticancer Activity. Current Pharmaceutical Design, 2018, 24, 576-594.	0.9	28
713	Targeting ATR in cancer. Nature Reviews Cancer, 2018, 18, 586-595.	12.8	243
714	Coffee and tea consumption during pregnancy and risk of childhood acute myeloid leukemia: A Childhood Leukemia International Consortium (CLIC) study. Cancer Epidemiology, 2019, 62, 101581.	0.8	16
715	Caffeine citrate enhanced cisplatin antitumor effects in osteosarcoma and fibrosarcoma in vitro and in vivo. BMC Cancer, 2019, 19, 689.	1.1	22
716	Response of the Green Alga Chlamydomonas reinhardtii to the DNA Damaging Agent Zeocin. Cells, 2019, 8, 735.	1.8	22
717	Dormant origin signaling during unperturbed replication. DNA Repair, 2019, 81, 102655.	1.3	18
718	Characterization of Micro―and Nanoscale LuPO ₄ :Pr ³⁺ ,Nd ³⁺ with Strong UV Emission to Reduce Xâ€Ray Doses in Radiation Therapy. Particle and Particle Systems Characterization, 2019, 36, 1900280.	1.2	16
719	Evolutionary engineering and molecular characterization of a caffeine-resistant Saccharomyces cerevisiae strain. World Journal of Microbiology and Biotechnology, 2019, 35, 183.	1.7	19
720	Apoptosis Induction by Pseudorabies Virus via Oxidative Stress and Subsequent DNA Damage Signaling. Intervirology, 2019, 62, 116-123.	1.2	22

#	Article	IF	Citations
721	Characterization of SMG7 14-3-3-like domain reveals phosphoserine binding-independent regulation of p53 and UPF1. Scientific Reports, 2019, 9, 13097.	1.6	5
722	The POU-Domain Transcription Factor Oct-6/POU3F1 as a Regulator of Cellular Response to Genotoxic Stress. Cancers, 2019, 11, 810.	1.7	8
723	The association between coffee consumption and bladder cancer in the bladder cancer epidemiology and nutritional determinants (BLEND) international pooled study. Cancer Causes and Control, 2019, 30, 859-870.	0.8	10
724	Primary neurons can enter M-phase. Scientific Reports, 2019, 9, 4594.	1.6	28
725	A Meiotic Checkpoint Alters Repair Partner Bias to Permit Inter-sister Repair of Persistent DSBs. Cell Reports, 2019, 26, 775-787.e5.	2.9	24
726	Integration of microbiology, molecular pathology, and epidemiology: a new paradigm to explore the pathogenesis of microbiomeâ€driven neoplasms. Journal of Pathology, 2019, 247, 615-628.	2.1	70
727	ATR/Chk1 Pathway is Activated by Oxidative Stress in Response to UVA Light in Human Xeroderma Pigmentosum Variant Cells. Photochemistry and Photobiology, 2019, 95, 345-354.	1.3	8
728	Pharmacological potential of methylxanthines: Retrospective analysis and future expectations. Critical Reviews in Food Science and Nutrition, 2019, 59, 2597-2625.	5.4	55
729	Atorvastatin and Caffeine in Combination Regulates Apoptosis, Migration, Invasion and Tumorspheres of Prostate Cancer Cells. Pathology and Oncology Research, 2020, 26, 209-216.	0.9	21
730	<i>Setosphaeria turcica</i> ATR turns off appressoriumâ€mediated maize infection and triggers melaninâ€involved selfâ€protection in response to genotoxic stress. Molecular Plant Pathology, 2020, 21, 401-414.	2.0	15
731	Oxidation resistance 1 prevents genome instability through maintenance of G2/M arrest in gamma-ray-irradiated cells. Journal of Radiation Research, 2020, 61, $1-13$.	0.8	11
732	Targeting ATR as Cancer Therapy: A new era for synthetic lethality and synergistic combinations?. , 2020, 207, 107450.		101
733	Characterization of SPK 98, a Torin2 analog, as ATR and mTOR dual kinase inhibitor. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127517.	1.0	4
734	Phospho-Ser784-VCP Is Required for DNA Damage Response and Is Associated with Poor Prognosis of Chemotherapy-Treated Breast Cancer. Cell Reports, 2020, 31, 107745.	2.9	17
735	The Chromatin Response to Double-Strand DNA Breaks and Their Repair. Cells, 2020, 9, 1853.	1.8	43
736	VRK1 Phosphorylates Tip60/KAT5 and Is Required for H4K16 Acetylation in Response to DNA Damage. Cancers, 2020, 12, 2986.	1.7	17
737	Novel Links between TORC1 and Traditional Non-Coding RNA, tRNA. Genes, 2020, 11, 956.	1.0	12
738	Prediction of drug-target interactions from multi-molecular network based on LINEÂnetwork representation method. Journal of Translational Medicine, 2020, 18, 347.	1.8	26

#	Article	IF	CITATIONS
739	Non-epigenetic induction of HEXIM1 by DNMT1 inhibitors and functional relevance. Scientific Reports, 2020, 10, 21015.	1.6	2
740	Rck of Salmonella Typhimurium Delays the Host Cell Cycle to Facilitate Bacterial Invasion. Frontiers in Cellular and Infection Microbiology, 2020, 10, 586934.	1.8	16
741	Coffee intake during pregnancy and childhood acute leukemia – A cohort study. Cancer Epidemiology, 2020, 67, 101747.	0.8	6
742	DNA damage checkpoint kinases in cancer. Expert Reviews in Molecular Medicine, 2020, 22, e2.	1.6	150
743	Deciphering UVâ€induced DNA Damage Responses to Prevent and Treat Skin Cancer. Photochemistry and Photobiology, 2020, 96, 478-499.	1.3	47
744	Histone H1 eviction by the histone chaperone SET reduces cell survival following DNA damage. Journal of Cell Science, 2020, 133, .	1.2	11
745	DNA-PK in human malignant disorders: Mechanisms and implications for pharmacological interventions., 2020, 215, 107617.		27
746	Exploiting MYC-induced PARPness to target genomic instability in multiple myeloma. Haematologica, 2020, 106, 185-195.	1.7	33
747	Senescent Colon and Breast Cancer Cells Induced by Doxorubicin Exhibit Enhanced Sensitivity to Curcumin, Caffeine, and Thymoquinone. Integrative Cancer Therapies, 2020, 19, 153473541990116.	0.8	26
748	The dichotomous effects of caffeine on homologous recombination in mammalian cells. DNA Repair, 2020, 88, 102805.	1.3	2
749	Coffee consumption and risk of bladder cancer: a pooled analysis of 501,604 participants from 12 cohort studies in the BLadder Cancer Epidemiology and Nutritional Determinants (BLEND) international study. European Journal of Epidemiology, 2020, 35, 523-535.	2.5	14
750	Caffeine and Cisplatin Effectively Targets the Metabolism of a Triple-Negative Breast Cancer Cell Line Assessed via Phasor-FLIM. International Journal of Molecular Sciences, 2020, 21, 2443.	1.8	13
751	Small-molecule drug repurposing to target DNA damage repair and response pathways. Seminars in Cancer Biology, 2021, 68, 230-241.	4.3	21
752	Diet as a Potential Moderator for Genome Stability and Immune Response in Pediatric Leukemia. Cancers, 2021, 13, 413.	1.7	2
753	DNA Damage Response in Xenopus laevis Cell-Free Extracts. Methods in Molecular Biology, 2021, 2267, 103-144.	0.4	1
7 54	Kinetics of DNA Repair in Vicia faba Meristem Regeneration Following Replication Stress. Cells, 2021, 10, 88.	1.8	4
755	Progress towards a clinically-successful ATR inhibitor for cancer therapy. Current Research in Pharmacology and Drug Discovery, 2021, 2, 100017.	1.7	64
756	BRCA1-BARD1 regulates transcription through BRD4 in <i>Xenopus</i> nucleoplasmic extract. Nucleic Acids Research, 2021, 49, 3263-3273.	6.5	7

#	Article	IF	Citations
757	On Broken Ne(c)ks and Broken DNA: The Role of Human NEKs in the DNA Damage Response. Cells, 2021, 10, 507.	1.8	24
758	Pleiotropic Effects of Caffeine Leading to Chromosome Instability and Cytotoxicity in Eukaryotic Microorganisms. Journal of Microbiology and Biotechnology, 2021, 31, 171-180.	0.9	4
759	Crosstalk between the mTOR and DNA Damage Response Pathways in Fission Yeast. Cells, 2021, 10, 305.	1.8	4
760	Nuclear Translocation of SRPKs Is Associated with 5-FU and Cisplatin Sensitivity in HeLa and T24 Cells. Cells, 2021, 10, 759.	1.8	13
761	Hydroxyurea and Caffeine Impact pRb-like Protein-Dependent Chromatin Architecture Profiles in Interphase Cells of Vicia faba. International Journal of Molecular Sciences, 2021, 22, 4572.	1.8	3
762	Natural products targeting into cancer hallmarks: An update on caffeine, theobromine, and (+)-catechin. Critical Reviews in Food Science and Nutrition, 2022, 62, 7222-7241.	5.4	33
763	Recent Advances in Therapeutic Application of DNA Damage Response Inhibitors against Cancer. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 469-484.	0.9	3
765	Novel Anticancer and Treatment Sensitizing Compounds against Pancreatic Cancer. Cancers, 2021, 13, 2940.	1.7	8
766	Hydroxyurea—The Good, the Bad and the Ugly. Genes, 2021, 12, 1096.	1.0	49
767	A subset of CB002 xanthine analogs bypass p53-signaling to restore a p53 transcriptome and target an S-phase cell cycle checkpoint in tumors with mutated-p53. ELife, 2021, 10, .	2.8	11
768	Stability of proteins involved in initiation of DNA replication in UV damaged human cells. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2021, .	0.6	0
769	Metabolomic Profiling in Lung Cancer: A Systematic Review. Metabolites, 2021, 11, 630.	1.3	11
770	Inhibitors of cyclin-dependent kinase modulators for cancer therapy., 2005, 63, 183-206.		45
771	Cell Cycle Deregulation in Breast Cancer: Insurmountable Chemoresistance or Achilles' Heel?. Advances in Experimental Medicine and Biology, 2007, 608, 52-69.	0.8	5
772	Mitotic Catastrophe., 2010,, 79-96.		5
773	DNA Damage and Polyploidization. Advances in Experimental Medicine and Biology, 2010, 676, 57-71.	0.8	17
774	Identification of ATM Protein Kinase Phosphorylation Sites by Mass Spectrometry. Methods in Molecular Biology, 2017, 1599, 127-144.	0.4	4
775	In Vivo Resistance. , 2006, , 161-179.		1

#	Article	IF	CITATIONS
776	Compounds that Abrogate the G2 Checkpoint., 2008, , 117-133.		1
777	The Importance of p53 Signaling in the Response of Cells to Checkpoint Inhibitors. , 2010, , 189-198.		2
778	Spatiotemporal Regulation of Ras-GTPases During Chemotaxis. Methods in Molecular Biology, 2009, 571, 333-348.	0.4	23
779	Study of Cell Cycle Checkpoints Using Xenopus Cell-Free Extracts. Methods in Molecular Biology, 2011, 782, 119-158.	0.4	7
780	Theobromine and the Pharmacology of Cocoa. Handbook of Experimental Pharmacology, 2011, , 201-234.	0.9	64
781	Insulin Signaling and the Control of PHAS-I Phosphorylation. Progress in Molecular and Subcellular Biology, 2001, 26, 1-31.	0.9	25
782	Molecular pathways involved in cell death after chemically induced DNA damage. Exs, 2009, 99, 209-230.	1.4	4
783	Caffeine Targets TOR Complex I and Provides Evidence for a Regulatory Link between the FRB and Kinase Domains of Tor1p. Journal of Biological Chemistry, 2006, 281, 31616-31626.	1.6	57
784	The radiation response of androgen-refractory prostate cancer cell line C4-2 derived from androgen-sensitive cell line LNCaP. Asian Journal of Andrology, 2010, 12, 405-414.	0.8	17
785	Aberrant cell cycle checkpoint function and early embryonic death in <i>Chk1</i> ^{â^'/â^'} mice. Genes and Development, 2000, 14, 1439-1447.	2.7	397
786	<i>ATR</i> disruption leads to chromosomal fragmentation and early embryonic lethality. Genes and Development, 2000, 14, 397-402.	2.7	785
788	Modulation of Cell Signal Transduction by Tea and Ginger. Oxidative Stress and Disease, 2008, , .	0.3	1
789	Focus-formation of replication protein A, activation of checkpoint system and DNA repair synthesis induced by DNA double-strand breaks in <i>Xenopus</i> egg extract. Journal of Cell Science, 2002, 115, 3159-3169.	1.2	20
790	Genome-Wide Screen of Genes Required for Caffeine Tolerance in Fission Yeast. PLoS ONE, 2009, 4, e6619.	1.1	77
791	Oncogenic RAS Enables DNA Damage- and p53-Dependent Differentiation of Acute Myeloid Leukemia Cells in Response to Chemotherapy. PLoS ONE, 2009, 4, e7768.	1.1	28
792	Role of the ATM-Checkpoint Kinase 2 Pathway in CDT-Mediated Apoptosis of Gingival Epithelial Cells. PLoS ONE, 2010, 5, e11714.	1.1	27
793	Platelet Activating Factor Blocks Interkinetic Nuclear Migration in Retinal Progenitors through an Arrest of the Cell Cycle at the S/G2 Transition. PLoS ONE, 2011, 6, e16058.	1.1	14
794	DNA Damage during G2 Phase Does Not Affect Cell Cycle Progression of the Green Alga Scenedesmus quadricauda. PLoS ONE, 2011, 6, e19626.	1.1	16

#	Article	IF	Citations
795	Rad9, Rad17, TopBP1 and Claspin Play Essential Roles in Heat-Induced Activation of ATR Kinase and Heat Tolerance. PLoS ONE, 2013, 8, e55361.	1.1	19
796	ATM Alters the Otherwise Robust Chromatin Mobility at Sites of DNA Double-Strand Breaks (DSBs) in Human Cells. PLoS ONE, 2014, 9, e92640.	1.1	37
797	A New Model of Biodosimetry to Integrate Low and High Doses. PLoS ONE, 2014, 9, e114137.	1.1	25
798	Effect of ATM and HDAC Inhibition on Etoposide-Induced DNA Damage in Porcine Early Preimplantation Embryos. PLoS ONE, 2015, 10, e0142561.	1.1	25
799	Idelalisib and caffeine reduce suppression of T cell responses mediated by activated chronic lymphocytic leukemia cells. PLoS ONE, 2017, 12, e0172858.	1.1	7
800	Interferon-Stimulated Gene 15 in the Control of Cellular Responses to Genotoxic Stress. Molecules and Cells, 2017, 40, 83-89.	1.0	24
801	Ciclopirox activates ATR-Chk1 signaling pathway leading to Cdc25A protein degradation. Genes and Cancer, 2018, 9, 39-52.	0.6	13
802	Radiation therapy induces the DNA damage response in peripheral blood. Oncotarget, 2013, 4, 1143-1148.	0.8	14
803	The putative oncotarget CSN5 controls a transcription-uncorrelated p53-mediated autophagy implicated in cancer cell survival under curcumin treatment. Oncotarget, 2016, 7, 69688-69702.	0.8	10
804	Discovery and characterization of small molecule Rac1 inhibitors. Oncotarget, 2017, 8, 34586-34600.	0.8	21
805	Inhibition of RAC1 GTPase sensitizes pancreatic cancer cells to \hat{I}^3 -irradiation. Oncotarget, 2014, 5, 10251-10270.	0.8	34
806	DNA-PKCS binding to p53 on the p21WAF1/CIP1 promoter blocks transcription resulting in cell death. Oncotarget, 2011, 2, 1094-1108.	0.8	42
807	rRNA synthesis inhibitor, CX-5461, activates ATM/ATR pathway in acute lymphoblastic leukemia, arrests cells in G2 phase and induces apoptosis. Oncotarget, 2015, 6, 18094-18104.	0.8	76
808	Arenobufagin intercalates with DNA leading to G2 cell cycle arrest <i>via</i> ATM/ATR pathway. Oncotarget, 2015, 6, 34258-34275.	0.8	39
809	Replication stress induced site-specific phosphorylation targets WRN to the ubiquitin-proteasome pathway. Oncotarget, 2016, 7, 46-65.	0.8	27
810	DDRI-9: a novel DNA damage response inhibitor that blocks mitotic progression. Oncotarget, 2016, 7, 17699-17710.	0.8	20
811	Molecular Mechanisms of Epigenetic Regulators as Activatable Targets in Cancer Theranostics. Current Medicinal Chemistry, 2019, 26, 1328-1350.	1.2	13
812	Breaking the DNA Damage Response via Serine/Threonine Kinase Inhibitors to Improve Cancer Treatment. Current Medicinal Chemistry, 2019, 26, 1425-1445.	1.2	10

#	Article	IF	CITATIONS
813	DNA Double Strand Breaks Repair Inhibitors: Relevance as Potential New Anticancer Therapeutics. Current Medicinal Chemistry, 2019, 26, 1483-1493.	1.2	15
814	Perspectives on the combination of radiotherapy and targeted therapy with DNA repair inhibitors in the treatment of pancreatic cancer. World Journal of Gastroenterology, 2016, 22, 7275.	1.4	26
815	Caffeine and its main targets of colorectal cancer. World Journal of Gastrointestinal Oncology, 2020, 12, 149-172.	0.8	37
816	BRCA1-BARD1 regulates transcription through modulating topoisomerase Il^2 . Open Biology, 2021, 11, 210221.	1.5	9
817	Novel Agents and Modalities for the Treatment of Squamous Carcinoma of the Head and Neck. , 2003, , 535-VIII.		0
818	Therapeutic Strategies that Overcome Resistance to Nucleoside Analogues: Dysregulating Checkpoint Response and Survival Pathways by UCN-01. Hamatologie Und Bluttransfusion, 2003, , 97-108.	0.0	0
819	Growth Factor Receptor Signaling, DNA Damage Response, and Cancer Cell Susceptibility to Chemotherapy and Relapses., 2013,, 45-74.		1
820	ATR as a Therapeutic Target. , 2013, , 211-228.		0
821	Caffeine, Cyclin D1 and Cell Proliferation. , 2013, , 1159-1169.		0
822	Spermiogenesis in Sperm Genetic Integrity. , 2013, , 201-218.		0
823	Spermiogenesis in Sperm Genetic Integrity. , 2013, , 97-114.		0
824	Cocoa extract has activity on selectively killing of breast cancer cells line. Journal of Tropical Life Science, 2015, 5, 128-132.	0.1	0
828	Involvement of classic and alternative non-homologous end joining pathways in hematologic malignancies: targeting strategies for treatment. Experimental Hematology and Oncology, 2021, 10, 51.	2.0	14
829	Targeting ATM/ATR in the DNA Damage Checkpoint. , 2008, , 93-116.		0
830	ATR disruption leads to chromosomal fragmentation and early embryonic lethality. Genes and Development, 2000, 14, 397-402.	2.7	690
831	Aberrant cell cycle checkpoint function and early embryonic death in Chk1(-/-) mice. Genes and Development, 2000, 14, 1439-47.	2.7	357
833	Diagnosis of Xeroderma Pigmentosum and Related DNA Repair-Deficient Cutaneous Diseases. Current Medical Literature Dermatology, 2008, 13, 41-48.	0.0	1
836	The etiologies of DNA abnormalities in male infertility: An assessment and review. International Journal of Reproductive BioMedicine, 2017, 15, 331-344.	0.5	24

#	Article	IF	CITATIONS
837	Specific Human ATR and ATM Inhibitors Modulate Single Strand DNA Formation in Leishmania major Exposed to Oxidative Agent. Frontiers in Cellular and Infection Microbiology, 2021, 11, 802613.	1.8	0
838	Ribosomal Protein S6: A Potential Therapeutic Target against Cancer?. International Journal of Molecular Sciences, 2022, 23, 48.	1.8	40
839	Genomic Instability and Replicative Stress in Multiple Myeloma: The Final Curtain?. Cancers, 2022, 14, 25.	1.7	5
840	Targeting DNA repair pathway in cancer: Mechanisms and clinical application. MedComm, 2021, 2, 654-691.	3.1	34
841	LSD1 is required for euchromatic origin firing and replication timing. Signal Transduction and Targeted Therapy, 2022, 7, 102.	7.1	9
842	Caffeine Enhances the Toxicity of Platinum-Based Drugs at the Molecular Level Even Outside of the Intracellular Environment: A Single-Molecule Force Spectroscopy Study. Journal of Physical Chemistry B, 2022, , .	1.2	2
843	E2F1 Uses the ATM Signaling Pathway to Induce p53 and Chk2 Phosphorylation and Apoptosis. Molecular Cancer Research, 2004, 2, 203-214.	1.5	125
844	Hierarchical Virtual Screening Based on Rocaglamide Derivatives to Discover New Potential Anti-Skin Cancer Agents. Frontiers in Molecular Biosciences, 2022, 9, .	1.6	9
845	G2 checkpoint abrogators as anticancer drugs. Molecular Cancer Therapeutics, 2004, 3, 513-519.	1.9	326
846	CHK1 and CHK2 are differentially involved in mismatch repair–mediated 6-thioguanine-induced cell cycle checkpoint responses. Molecular Cancer Therapeutics, 2004, 3, 1147-1157.	1.9	35
847	Topoisomerase poisons differentially activate DNA damage checkpoints through ataxia-telangiectasia mutated–dependent and –independent mechanisms. Molecular Cancer Therapeutics, 2004, 3, 621-632.	1.9	52