Brendan D Price

List of Publications by Year
in descending order

62	5,883	126907	138484
papers	citations	33 h-index	58 g-index

63	63	63	7045
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A role for the Tip60 histone acetyltransferase in the acetylation and activation of ATM. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13182-13187.	7.1	629
2	Chromatin Remodeling at DNA Double-Strand Breaks. Cell, 2013, 152, 1344-1354.	28.9	485
3	Histone H3 methylation links DNA damage detection to activation of the tumour suppressor Tip60. Nature Cell Biology, 2009, 11, 1376-1382.	10.3	387
4	Sequential Phosphorylation by Mitogen-activated Protein Kinase and Glycogen Synthase Kinase 3 Represses Transcriptional Activation by Heat Shock Factor-1. Journal of Biological Chemistry, 1996, 271, 30847-30857.	3.4	348
5	DNA double-strand breaks promote methylation of histone H3 on lysine 9 and transient formation of repressive chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9169-9174.	7.1	303
6	Caffeine inhibits the checkpoint kinase ATM. Current Biology, 1999, 9, 1135-1138.	3.9	278
7	Histone H2A.Z Controls a Critical Chromatin Remodeling Step Required for DNA Double-Strand Break Repair. Molecular Cell, 2012, 48, 723-733.	9.7	272
8	DNA Damage-Induced Acetylation of Lysine 3016 of ATM Activates ATM Kinase Activity. Molecular and Cellular Biology, 2007, 27, 8502-8509.	2.3	267
9	An essential role of NFÎºB in tyrosine kinase signaling of p38 MAP kinase regulation of myocardial adaptation to ischemia. FEBS Letters, 1998, 429, 365-369.	2.8	221
10	Inhibition of histone acetyltransferase activity by anacardic acid sensitizes tumor cells to ionizing radiation. FEBS Letters, 2006, 580, 4353-4356.	2.8	209
11	Tip60: Connecting chromatin to DNA damage signaling. Cell Cycle, 2010, 9, 930-936.	2.6	184
12	The p400 ATPase regulates nucleosome stability and chromatin ubiquitination during DNA repair. Journal of Cell Biology, 2010, 191, 31-43.	5.2	166
13	Chromatin dynamics and the repair of DNA double strand breaks. Cell Cycle, 2011, 10, 261-267.	2.6	144
14	The FATC Domains of PIKK Proteins Are Functionally Equivalent and Participate in the Tip60-dependent Activation of DNA-PKcs and ATM*. Journal of Biological Chemistry, 2006, 281, 15741-15746.	3.4	116
15	Histone chaperone Anp32e removes H2A.Z from DNA double-strand breaks and promotes nucleosome reorganization and DNA repair. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7507-7512.	7.1	114
16	The DNA-Dependent Protein Kinase Participates in the Activation of NFÎºB Following DNA Damage. Biochemical and Biophysical Research Communications, 1998, 247, 79-83.	2.1	111
17	Autophagy Induction with RAD001 Enhances Chemosensitivity and Radiosensitivity through Met Inhibition in Papillary Thyroid Cancer. Molecular Cancer Research, 2010, 8, 1217-1226.	3.4	101
18	Brefeldin A, thapsigargin, and AlF4? stimulate the accumulation of GRP78 mRNA in a cycloheximide dependent manner, whilst induction by hypoxia is independent of protein synthesis. Journal of Cellular Physiology, 1992, 152, 545-552.	4.1	97

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19	Activation of p53 transcriptional activity requires ATM's kinase domain and multiple N-terminal serine residues of p53. Oncogene, 2001, 20, 5100-5110.	5.9	92
20	The tale of a tail: histone H4 acetylation and the repair of DNA breaks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160284.	4.0	91
21	Patching Broken DNA: Nucleosome Dynamics and the Repair of DNA Breaks. Journal of Molecular Biology, 2016, 428, 1846-1860.	4.2	90
22	A PCR-based amplification method retaining the quantitative difference between two complex genomes. Nature Biotechnology, 2002, 20, 936-939.	17.5	74
23	Galectin-3 Targeted Therapy with a Small Molecule Inhibitor Activates Apoptosis and Enhances Both Chemosensitivity and Radiosensitivity in Papillary Thyroid Cancer. Molecular Cancer Research, 2009, 7, 1655-1662.	3.4	69
24	High-Throughput Screening Identifies Two Classes of Antibiotics as Radioprotectors: Tetracyclines and Fluoroquinolones. Clinical Cancer Research, 2009, 15, 7238-7245.	7.0	64
25	The histone variant macroH2A1.1 is recruited to DSBs through a mechanism involving PARP1. FEBS Letters, 2012, 586, 3920-3925.	2.8	61
26	Methylation of the ATM promoter in glioma cells alters ionizing radiation sensitivity. Biochemical and Biophysical Research Communications, 2006, 344, 821-826.	2.1	60
27	DNA Damage-induced Association of ATM with Its Target Proteins Requires a Protein Interaction Domain in the N Terminus of ATM. Journal of Biological Chemistry, 2005, 280, 15158-15164.	3.4	59
28	Balanced-PCR amplification allows unbiased identification of genomic copy changes in minute cell and tissue samples. Nucleic Acids Research, 2004, 32, e76-e76.	14.5	55
29	Essential role for mammalian apurinic/apyrimidinic (AP) endonuclease Ape1/Ref-1 in telomere maintenance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17844-17849.	7.1	55
30	FANCD2 Activates Transcription of TAp63 and Suppresses Tumorigenesis. Molecular Cell, 2013, 50, 908-918.	9.7	54
31	Activation of the Kinase Activity of ATM by Retinoic Acid Is Required for CREB-dependent Differentiation of Neuroblastoma Cells. Journal of Biological Chemistry, 2007, 282, 16577-16584.	3.4	41
32	Epigenetic therapy with inhibitors of histone methylation suppresses DNA damage signaling and increases glioma cell radiosensitivity. Oncotarget, 2017, 8, 24518-24532.	1.8	41
33	Activation of Hif1Î± by the Prolylhydroxylase Inhibitor Dimethyoxalyglycine Decreases Radiosensitivity. PLoS ONE, 2011, 6, e26064.	2.5	37
34	Regulation of the p53 Protein by Protein Kinase CÎ± and Protein Kinase CÎ¶. Biochemical and Biophysical Research Communications, 1998, 245, 514-518.	2.1	34
35	Acetylation of H2AX on lysine 36 plays a key role in the DNA doubleâ€strand break repair pathway. FEBS Letters, 2010, 584, 2926-2930.	2.8	32
36	PARP3 is a promoter of chromosomal rearrangements and limits G4 DNA. Nature Communications, 2017, 8, 15110.	12.8	32

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37	Human CHD1 is required for early DNA-damage signaling and is uniquely regulated by its N terminus. Nucleic Acids Research, 2018, 46, 3891-3905.	14.5	31
38	Heat-induced transcription from RNA polymerases II and III and HSF binding activity are co-ordinately regulated by the products of the heat shock genes. Journal of Cellular Physiology, 1992, 153, 392-401.	4.1	30
39	Chemical Modification of the Mitochodrial bc1 by N,N' -Dicyclohexylcarbodiimide Inhibits Proton Translocation. FEBS Journal, 1983, 132, 595-601.	0.2	28
40	Spatially restricted loading of BRD2 at DNA double-strand breaks protects H4 acetylation domains and promotes DNA repair. Scientific Reports, 2017, 7, 12921.	3.3	27
41	Ape1 guides DNA repair pathway choice that is associated with drug tolerance in glioblastoma. Scientific Reports, 2017, 7, 9674.	3.3	27
42	Inhibition of heat shock gene expression does not block the development of thermotolerance. Journal of Cellular Physiology, 1992, 151, 56-62.	4.1	26
43	Stable siRNA-mediated silencing of ATM alters the transcriptional profile of HeLa cells. Biochemical and Biophysical Research Communications, 2004, 317, 1037-1044.	2.1	26
44	Multiple Roles for Mono- and Poly(ADP-Ribose) in Regulating Stress Responses. Trends in Genetics, 2019, 35, 159-172.	6.7	26
45	An amplification and ligation-based method to scan for unknown mutations in DNA. Human Mutation, 2002, 20, 139-147.	2.5	21
46	Ligation of a primer at a mutation: a method to detect low level mutations in DNA. Mutagenesis, 2002, 17, 365-374.	2.6	20
47	HJURP knockdown disrupts clonogenic capacity and increases radiation-induced cell death of glioblastoma cells. Cancer Gene Therapy, 2020, 27, 319-329.	4.6	20
48	Activation of phospholipase C by heat shock requires GTP analogs and is resistant to pertussis toxin. Journal of Cellular Physiology, 1993, 156, 153-159.	4.1	18
49	The ZEB2â€dependent EMT transcriptional programme drives therapy resistance by activating nucleotide excision repair genes ERCC1 and ERCC4 in colorectal cancer. Molecular Oncology, 2021, 15, 2065-2083.	4.6	18
50	ATM's leucine-rich domain and adjacent sequences are essential for ATM to regulate the DNA damage response. Oncogene, 2003, 22, 6332-6339.	5.9	17
51	Mechanistic Links Between ATM and Histone Methylation Codes During DNA Repair. Progress in Molecular Biology and Translational Science, 2012, 110, 263-288.	1.7	16
52	Polymerase Î´ promotes chromosomal rearrangements and imprecise double-strand break repair. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27566-27577.	7.1	15
53	Proteolysis of cyclic AMP phosphodiesterase-II attenuates its ability to be inhibited by compounds which exert positive inotropic actions in cardiac tissue. Biochemical Pharmacology, 1987, 36, 4047-4054.	4.4	14
54	Signalling across the endoplasmic reticulum membrane: Potential mechanisms. Cellular Signalling, 1992, 4, 465-470.	3.6	11

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55	KDM5A demethylase: Erasing histone modifications to promote repair of DNA breaks. Journal of Cell Biology, 2017, 216, 1871-1873.	5.2	8
56	Dimer monomer transition and dimer re-formation play important role for ATM cellular function during DNA repair. Biochemical and Biophysical Research Communications, 2014, 452, 1034-1039.	2.1	6
57	Site-specific targeting of a light activated dCas9-KillerRed fusion protein generates transient, localized regions of oxidative DNA damage. PLoS ONE, 2020, 15, e0237759.	2.5	4
58	The radioprotective agent WR1065 protects cells from radiation damage by regulating the activity of the Tip60 acetyltransferase. International Journal of Biochemistry and Molecular Biology, 2011, 2, 295-302.	0.1	1
59	Title is missing!. , 2020, 15, e0237759.		0
60	Title is missing!. , 2020, 15, e0237759.		0
61	Title is missing!. , 2020, 15, e0237759.		0
62	Title is missing!. , 2020, 15, e0237759.		0