

Susan P Lees-Miller

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168
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70
h-index

116
g-index

215
ext. papers

14,995
ext. citations

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6.32
L-index

#	Paper	IF	Citations
168	DNA-dependent protein kinase catalytic subunit: a relative of phosphatidylinositol 3-kinase and the ataxia telangiectasia gene product. <i>Cell</i> , 1995 , 82, 849-56	56.2	648
167	GC box binding induces phosphorylation of Sp1 by a DNA-dependent protein kinase. <i>Cell</i> , 1990 , 63, 155-65	56.2	621
166	Repair of ionizing radiation-induced DNA double-strand breaks by non-homologous end-joining. <i>Biochemical Journal</i> , 2009 , 417, 639-50	3.8	519
165	Absence of p350 subunit of DNA-activated protein kinase from a radiosensitive human cell line. <i>Science</i> , 1995 , 267, 1183-5	33.3	463
164	ATM associates with and phosphorylates p53: mapping the region of interaction. <i>Nature Genetics</i> , 1998 , 20, 398-400	36.3	404
163	DNA damage-induced activation of ATM and ATM-dependent signaling pathways. <i>DNA Repair</i> , 2004 , 3, 889-900	4.3	366
162	Repair of DNA double strand breaks by non-homologous end joining. <i>Biochimie</i> , 2003 , 85, 1161-73	4.6	299
161	DNA-dependent protein kinase acts upstream of p53 in response to DNA damage. <i>Nature</i> , 1998 , 394, 700-4	50.4	265
160	Autophosphorylation of the catalytic subunit of the DNA-dependent protein kinase is required for efficient end processing during DNA double-strand break repair. <i>Molecular and Cellular Biology</i> , 2003 , 23, 5836-48	4.8	258
159	DNA-PK autophosphorylation facilitates Artemis endonuclease activity. <i>EMBO Journal</i> , 2006 , 25, 3880-9	13	230
158	Structure of the RPA trimerization core and its role in the multistep DNA-binding mechanism of RPA. <i>EMBO Journal</i> , 2002 , 21, 1855-63	13	229
157	Autophosphorylation of ataxia-telangiectasia mutated is regulated by protein phosphatase 2A. <i>EMBO Journal</i> , 2004 , 23, 4451-61	13	218
156	Herpes simplex virus type 1 immediate-early protein vmw110 induces the proteasome-dependent degradation of the catalytic subunit of DNA-dependent protein kinase. <i>Journal of Virology</i> , 1999 , 73, 650-7	6.6	215
155	The DNA-dependent protein kinase is inactivated by autophosphorylation of the catalytic subunit. <i>Journal of Biological Chemistry</i> , 1996 , 271, 8936-41	5.4	207
154	Doxorubicin activates ATM-dependent phosphorylation of multiple downstream targets in part through the generation of reactive oxygen species. <i>Journal of Biological Chemistry</i> , 2004 , 279, 53272-81	5.4	204
153	ATM mediates phosphorylation at multiple p53 sites, including Ser(46), in response to ionizing radiation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 12491-4	5.4	204
152	Inactivation of DNA-dependent protein kinase by protein kinase Cdelta: implications for apoptosis. <i>Molecular and Cellular Biology</i> , 1998 , 18, 6719-28	4.8	195

151	Autophosphorylation of DNA-dependent protein kinase regulates DNA end processing and may also alter double-strand break repair pathway choice. <i>Molecular and Cellular Biology</i> , 2005 , 25, 10842-52	4.8	187
150	DNA-PK: the means to justify the ends?. <i>Advances in Immunology</i> , 2008 , 99, 33-58	5.6	185
149	The DNA-dependent protein kinase: the director at the end. <i>Immunological Reviews</i> , 2004 , 200, 132-41	11.3	179
148	Mre11-Rad50-Nbs1 conformations and the control of sensing, signaling, and effector responses at DNA double-strand breaks. <i>DNA Repair</i> , 2010 , 9, 1299-306	4.3	177
147	The DNA-dependent protein kinase: A multifunctional protein kinase with roles in DNA double strand break repair and mitosis. <i>Progress in Biophysics and Molecular Biology</i> , 2015 , 117, 194-205	4.7	170
146	Ku and DNA-dependent protein kinase dynamic conformations and assembly regulate DNA binding and the initial non-homologous end joining complex. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1414-23	5.4	164
145	A structural model for regulation of NHEJ by DNA-PKcs autophosphorylation. <i>DNA Repair</i> , 2010 , 9, 1307-14	4.4	158
144	Conversion of phosphoglycolate to phosphate termini on 3' overhangs of DNA double strand breaks by the human tyrosyl-DNA phosphodiesterase hTdp1. <i>Journal of Biological Chemistry</i> , 2002 , 277, 27162-8	5.4	155
143	Identification of in vitro and in vivo phosphorylation sites in the catalytic subunit of the DNA-dependent protein kinase. <i>Biochemical Journal</i> , 2002 , 368, 243-51	3.8	154
142	Intestinal infection with <i>Giardia</i> spp. reduces epithelial barrier function in a myosin light chain kinase-dependent fashion. <i>Gastroenterology</i> , 2002 , 123, 1179-90	13.3	154
141	ATM deficiency sensitizes mantle cell lymphoma cells to poly(ADP-ribose) polymerase-1 inhibitors. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 347-57	6.1	153
140	trans Autophosphorylation at DNA-dependent protein kinase's two major autophosphorylation site clusters facilitates end processing but not end joining. <i>Molecular and Cellular Biology</i> , 2007 , 27, 3881-90	4.8	142
139	Attenuation of DNA-dependent protein kinase activity and its catalytic subunit by the herpes simplex virus type 1 transactivator ICP0. <i>Journal of Virology</i> , 1996 , 70, 7471-7	6.6	142
138	Utilization of oriented peptide libraries to identify substrate motifs selected by ATM. <i>Journal of Biological Chemistry</i> , 2000 , 275, 22719-27	5.4	141
137	Three yeast proteins related to the human candidate tumor suppressor p33(ING1) are associated with histone acetyltransferase activities. <i>Molecular and Cellular Biology</i> , 2000 , 20, 3807-16	4.8	133
136	Werner protein is a target of DNA-dependent protein kinase in vivo and in vitro, and its catalytic activities are regulated by phosphorylation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 18291-302	5.4	129
135	XRCC4 protein interactions with XRCC4-like factor (XLF) create an extended grooved scaffold for DNA ligation and double strand break repair. <i>Journal of Biological Chemistry</i> , 2011 , 286, 32638-50	5.4	126
134	Protein phosphatase 6 interacts with the DNA-dependent protein kinase catalytic subunit and dephosphorylates gamma-H2AX. <i>Molecular and Cellular Biology</i> , 2010 , 30, 1368-81	4.8	124

133	Protein phosphatases regulate DNA-dependent protein kinase activity. <i>Journal of Biological Chemistry</i> , 2001 , 276, 18992-8	5.4	120
132	The DNA-dependent protein kinase interacts with DNA to form a protein-DNA complex that is disrupted by phosphorylation. <i>Biochemistry</i> , 2002 , 41, 12706-14	3.2	120
131	DNA-dependent protein kinase phosphorylation sites in Ku 70/80 heterodimer. <i>Biochemistry</i> , 1999 , 38, 1819-28	3.2	116
130	Detection and repair of ionizing radiation-induced DNA double strand breaks: new developments in nonhomologous end joining. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 86, 440-9	4	113
129	Tra1p is a component of the yeast Ada.Spt transcriptional regulatory complexes. <i>Journal of Biological Chemistry</i> , 1998 , 273, 26559-65	5.4	109
128	Autophosphorylation-dependent remodeling of the DNA-dependent protein kinase catalytic subunit regulates ligation of DNA ends. <i>Nucleic Acids Research</i> , 2004 , 32, 4351-7	20.1	105
127	Non-homologous end joining requires that the DNA-PK complex undergo an autophosphorylation-dependent rearrangement at DNA ends. <i>Journal of Biological Chemistry</i> , 2004 , 279, 39408-13	5.4	105
126	Enhanced cytotoxicity of PARP inhibition in mantle cell lymphoma harbouring mutations in both ATM and p53. <i>EMBO Molecular Medicine</i> , 2012 , 4, 515-27	12	103
125	Purification and characterization of ATM from human placenta. A manganese-dependent, wortmannin-sensitive serine/threonine protein kinase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 7803-10	5.4	103
124	Low ATM protein expression and depletion of p53 correlates with olaparib sensitivity in gastric cancer cell lines. <i>Cell Cycle</i> , 2014 , 13, 2129-37	4.7	101
123	The DNA-dependent protein kinase catalytic subunit is phosphorylated in vivo on threonine 3950, a highly conserved amino acid in the protein kinase domain. <i>Molecular and Cellular Biology</i> , 2007 , 27, 1581-9	4.8	100
122	Non-homologous end joining: emerging themes and unanswered questions. <i>DNA Repair</i> , 2014 , 17, 2-8	4.3	98
121	Inhibition of the G2 DNA damage checkpoint and of protein kinases Chk1 and Chk2 by the marine sponge alkaloid debromohymenialdisine. <i>Journal of Biological Chemistry</i> , 2001 , 276, 17914-9	5.4	98
120	DNA-dependent protein kinase interacts with antigen receptor response element binding proteins NF90 and NF45. <i>Journal of Biological Chemistry</i> , 1998 , 273, 2136-45	5.4	98
119	The DNA-dependent protein kinase, DNA-PK: 10 years and no ends in sight. <i>Biochemistry and Cell Biology</i> , 1996 , 74, 503-12	3.6	98
118	DNA-PK phosphorylation sites in XRCC4 are not required for survival after radiation or for V(D)J recombination. <i>DNA Repair</i> , 2003 , 2, 1239-52	4.3	96
117	Functional link between BLM defective in Bloom syndrome and the ataxia-telangiectasia-mutated protein, ATM. <i>Journal of Biological Chemistry</i> , 2002 , 277, 30515-23	5.4	95
116	Ionizing radiation induces ataxia telangiectasia mutated kinase (ATM)-mediated phosphorylation of LKB1/STK11 at Thr-366. <i>Biochemical Journal</i> , 2002 , 368, 507-16	3.8	92

115	Inhibition of homologous recombination by DNA-dependent protein kinase requires kinase activity, is titratable, and is modulated by autophosphorylation. <i>Molecular and Cellular Biology</i> , 2011 , 31, 1719-33 ^{4.8}	4.8	91
114	XLF regulates filament architecture of the XRCC4-Ligase IV complex. <i>Structure</i> , 2010 , 18, 1431-42	5.2	91
113	Accurate in vitro end joining of a DNA double strand break with partially cohesive 3' overhangs and 3' phosphoglycolate termini: effect of Ku on repair fidelity. <i>Journal of Biological Chemistry</i> , 2001 , 276, 24323-30	5.4	90
112	Phosphorylation at Ser-15 and Ser-392 in mutant p53 molecules from human tumors is altered compared to wild-type p53. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 5954-8	11.5	90
111	Expression of PD-L1 and presence of CD8-positive T cells in pre-treatment specimens of locally advanced cervical cancer. <i>Modern Pathology</i> , 2017 , 30, 577-586	9.8	88
110	Structural insights into NHEJ: building up an integrated picture of the dynamic DSB repair super complex, one component and interaction at a time. <i>DNA Repair</i> , 2014 , 17, 110-20	4.3	86
109	Deficiency in the catalytic subunit of DNA-dependent protein kinase causes down-regulation of ATM. <i>Cancer Research</i> , 2005 , 65, 1670-7	10.1	86
108	Phosphatidylinositol 3-kinase-like serine/threonine protein kinases (PIKKs) are required for DNA damage-induced phosphorylation of the 32 kDa subunit of replication protein A at threonine 21. <i>Nucleic Acids Research</i> , 2004 , 32, 997-1005	20.1	84
107	PIK3CA mutational status and overall survival in patients with cervical cancer treated with radical chemoradiotherapy. <i>Gynecologic Oncology</i> , 2013 , 128, 409-14	4.9	81
106	Human Ku70/80 interacts directly with hTR, the RNA component of human telomerase. <i>Nucleic Acids Research</i> , 2005 , 33, 2090-8	20.1	79
105	Resistance of actin to cleavage during apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 157-62	11.5	75
104	DNA-PK and ATM phosphorylation sites in XLF/Cernunnos are not required for repair of DNA double strand breaks. <i>DNA Repair</i> , 2008 , 7, 1680-92	4.3	74
103	Relative affinities of poly(ADP-ribose) polymerase and DNA-dependent protein kinase for DNA strand interruptions. <i>BBA - Proteins and Proteomics</i> , 1999 , 1430, 119-26		73
102	Purification and characterization of the double-stranded DNA-activated protein kinase, DNA-PK, from human placenta. <i>Biochemistry and Cell Biology</i> , 1996 , 74, 67-73	3.6	73
101	ATM-Deficient Colorectal Cancer Cells Are Sensitive to the PARP Inhibitor Olaparib. <i>Translational Oncology</i> , 2017 , 10, 190-196	4.9	72
100	XRCC4 and XLF form long helical protein filaments suitable for DNA end protection and alignment to facilitate DNA double strand break repair. <i>Biochemistry and Cell Biology</i> , 2013 , 91, 31-41	3.6	72
99	DNA-PK-dependent phosphorylation of Ku70/80 is not required for non-homologous end joining. <i>DNA Repair</i> , 2005 , 4, 1006-18	4.3	70
98	Telomere dysfunction and DNA-PKcs deficiency: characterization and consequence. <i>Cancer Research</i> , 2009 , 69, 2100-7	10.1	68

97	Estrogen receptor E-mediated transcription induces cell cycle-dependent DNA double-strand breaks. <i>Carcinogenesis</i> , 2011 , 32, 279-85	4.6	68
96	Biochemical characterization of the ataxia-telangiectasia mutated (ATM) protein from human cells. <i>DNA Repair</i> , 2004 , 3, 753-67	4.3	68
95	Selective inhibition of the DNA-dependent protein kinase (DNA-PK) by the radiosensitizing agent caffeine. <i>Nucleic Acids Research</i> , 2004 , 32, 1967-72	20.1	66
94	The plant isoflavenoid genistein activates p53 and Chk2 in an ATM-dependent manner. <i>Journal of Biological Chemistry</i> , 2001 , 276, 4828-33	5.4	65
93	Tyrosyl-DNA phosphodiesterase and the repair of 3T-phosphoglycolate-terminated DNA double-strand breaks. <i>DNA Repair</i> , 2009 , 8, 901-11	4.3	60
92	Lack of correlation between ATM protein expression and tumour cell radiosensitivity. <i>International Journal of Radiation Biology</i> , 1998 , 74, 217-24	2.9	60
91	The isoflavonoids genistein and quercetin activate different stress signaling pathways as shown by analysis of site-specific phosphorylation of ATM, p53 and histone H2AX. <i>DNA Repair</i> , 2004 , 3, 235-44	4.3	57
90	Interleukin-1 beta-converting enzyme-like protease cleaves DNA-dependent protein kinase in cytotoxic T cell killing. <i>Journal of Experimental Medicine</i> , 1996 , 184, 619-26	16.6	57
89	Dimerization and DNA binding alter phosphorylation of Fos and Jun. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 6766-70	11.5	55
88	Inhibition of homologous recombination by variants of the catalytic subunit of the DNA-dependent protein kinase (DNA-PKcs). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 1345-50	11.5	53
87	DNA-dependent protein kinase promotes DNA end processing by MRN and CtIP. <i>Science Advances</i> , 2020 , 6, eaay0922	14.3	51
86	Nepenthesin from monkey cups for hydrogen/deuterium exchange mass spectrometry. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 464-72	7.6	51
85	XRCC4 interaction with XLF is required for coding (but not signal) end joining. <i>Nucleic Acids Research</i> , 2012 , 40, 1684-94	20.1	50
84	The role of ATM and ATR in DNA damage-induced cell cycle control. <i>Progress in Cell Cycle Research</i> , 2003 , 5, 393-411		50
83	An Intrinsically Disordered APLF Links Ku, DNA-PKcs, and XRCC4-DNA Ligase IV in an Extended Flexible Non-homologous End Joining Complex. <i>Journal of Biological Chemistry</i> , 2016 , 291, 26987-27006	5.4	49
82	Dual modes of interaction between XRCC4 and polynucleotide kinase/phosphatase: implications for nonhomologous end joining. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37619-29	5.4	49
81	Phosphorylation of polynucleotide kinase/ phosphatase by DNA-dependent protein kinase and ataxia-telangiectasia mutated regulates its association with sites of DNA damage. <i>Nucleic Acids Research</i> , 2011 , 39, 9224-37	20.1	49
80	Dynamic binding of Ku80, Ku70 and NF90 to the IL-2 promoter in vivo in activated T-cells. <i>Nucleic Acids Research</i> , 2007 , 35, 2302-10	20.1	49

79	Dissection of DNA double-strand-break repair using novel single-molecule forceps. <i>Nature Structural and Molecular Biology</i> , 2018 , 25, 482-487	17.6	49
78	The viral tropism of two distinct oncolytic viruses, reovirus and myxoma virus, is modulated by cellular tumor suppressor gene status. <i>Oncogene</i> , 2010 , 29, 3990-6	9.2	45
77	The human telomerase RNA component, hTR, activates the DNA-dependent protein kinase to phosphorylate heterogeneous nuclear ribonucleoprotein A1. <i>Nucleic Acids Research</i> , 2009 , 37, 6105-15	20.1	45
76	The human DNA-activated protein kinase phosphorylates simian virus 40 T antigen at amino- and carboxy-terminal sites. <i>Journal of Virology</i> , 1991 , 65, 5131-40	6.6	42
75	Polo-like kinase 1 (PLK1) and protein phosphatase 6 (PP6) regulate DNA-dependent protein kinase catalytic subunit (DNA-PKcs) phosphorylation in mitosis. <i>Bioscience Reports</i> , 2014 , 34,	4.1	40
74	Requirement for XLF/Cernunnos in alignment-based gap filling by DNA polymerases lambda and mu for nonhomologous end joining in human whole-cell extracts. <i>Nucleic Acids Research</i> , 2009 , 37, 4055-62	20.1	40
73	Unraveling the complexities of DNA-dependent protein kinase autophosphorylation. <i>Molecular and Cellular Biology</i> , 2014 , 34, 2162-75	4.8	39
72	Interaction of DNA-Dependent Protein Kinase and Poly(ADP-Ribose) Polymerase with Radiation-Induced DNA Strand Breaks. <i>Radiation Research</i> , 1997 , 148, 22	3.1	39
71	ATM-Deficient Cancers Provide New Opportunities for Precision Oncology. <i>Cancers</i> , 2020 , 12,	6.6	38
70	Phosphorylation of histone H2A.X by DNA-dependent protein kinase is not affected by core histone acetylation, but it alters nucleosome stability and histone H1 binding. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17778-88	5.4	33
69	Prognostic significance of p16 in locally advanced squamous cell carcinoma of the head and neck treated with concurrent cisplatin and radiotherapy. <i>Head and Neck</i> , 2011 , 33, 251-6	4.2	32
68	Phosphorylation in the serine/threonine 2609-2647 cluster promotes but is not essential for DNA-dependent protein kinase-mediated nonhomologous end joining in human whole-cell extracts. <i>Nucleic Acids Research</i> , 2007 , 35, 3869-78	20.1	32
67	Functional intersection of ATM and DNA-dependent protein kinase catalytic subunit in coding end joining during V(D)J recombination. <i>Molecular and Cellular Biology</i> , 2013 , 33, 3568-79	4.8	31
66	Lipid Phase Dependence of DNA-Cationic Phospholipid Bilayer Interactions Examined Using Atomic Force Microscopy. <i>Langmuir</i> , 2002 , 18, 4873-4884	4	31
65	Low ERCC1 mRNA and protein expression are associated with worse survival in cervical cancer patients treated with radiation alone. <i>Radiotherapy and Oncology</i> , 2010 , 97, 352-9	5.3	29
64	Structural basis of long-range to short-range synaptic transition in NHEJ. <i>Nature</i> , 2021 , 593, 294-298	50.4	29
63	Cell cycle checkpoints and DNA repair in Nijmegen breakage syndrome. <i>Clinical Immunology and Immunopathology</i> , 1997 , 82, 43-8		28
62	N-terminal constraint activates the catalytic subunit of the DNA-dependent protein kinase in the absence of DNA or Ku. <i>Nucleic Acids Research</i> , 2012 , 40, 2964-73	20.1	26

61	Phosphatidyl inositol-3 kinase (PIK3CA) E545K mutation confers cisplatin resistance and a migratory phenotype in cervical cancer cells. <i>Oncotarget</i> , 2016 , 7, 82424-82439	3.3	26
60	Low ATM protein expression in malignant tumor as well as cancer-associated stroma are independent prognostic factors in a retrospective study of early-stage hormone-negative breast cancer. <i>Breast Cancer Research</i> , 2015 , 17, 65	8.3	25
59	Structural and functional characterization of the PNKP-XRCC4-LigIV DNA repair complex. <i>Nucleic Acids Research</i> , 2017 , 45, 6238-6251	20.1	23
58	Structure and dynamics of lipoplex formation examined using two-photon fluorescence cross-correlation spectroscopy. <i>Biochemistry</i> , 2004 , 43, 7263-72	3.2	23
57	Combined poly-ADP ribose polymerase and ataxia-telangiectasia mutated/Rad3-related inhibition targets ataxia-telangiectasia mutated-deficient lung cancer cells. <i>British Journal of Cancer</i> , 2019 , 121, 600-610	8.7	22
56	Anemia, leukocytosis and thrombocytosis as prognostic factors in patients with cervical cancer treated with radical chemoradiotherapy: A retrospective cohort study. <i>Clinical and Translational Radiation Oncology</i> , 2017 , 4, 51-56	4.6	21
55	Putative homologues of the DNA-dependent protein kinase catalytic subunit (DNA-PKcs) and other components of the non-homologous end joining machinery in <i>Dictyostelium discoideum</i> . <i>DNA Repair</i> , 2005 , 4, 1061-5	4.3	21
54	Mechanism of efficient double-strand break repair by a long non-coding RNA. <i>Nucleic Acids Research</i> , 2020 , 48, 10953-10972	20.1	21
53	Targeting protein for xenopus kinesin-like protein 2 (TPX2) regulates Histone 2AX (H2AX) levels upon ionizing radiation. <i>Journal of Biological Chemistry</i> , 2012 , 287, 42206-22	5.4	20
52	Dysfunction of lamin A triggers a DNA damage response and cellular senescence. <i>DNA Repair</i> , 2006 , 5, 286-9	4.3	19
51	Uncovering DNA-PKcs ancient phylogeny, unique sequence motifs and insights for human disease. <i>Progress in Biophysics and Molecular Biology</i> , 2021 , 163, 87-108	4.7	18
50	Loss of tumour-specific ATM protein expression is an independent prognostic factor in early resected NSCLC. <i>Oncotarget</i> , 2017 , 8, 38326-38336	3.3	17
49	UV-light induces p38 MAPK-dependent phosphorylation of Bcl10. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 301, 923-6	3.4	16
48	Nanospray HX-MS configuration for structural interrogation of large protein systems. <i>Analyst, The</i> , 2017 , 142, 904-910	5	15
47	Comparing ERCC1 protein expression, mRNA levels, and genotype in squamous cell carcinomas of the head and neck treated with concurrent chemoradiation stratified by HPV status. <i>Head and Neck</i> , 2012 , 34, 785-91	4.2	15
46	Telomerase contributes to fludarabine resistance in primary human leukemic lymphocytes. <i>PLoS ONE</i> , 2013 , 8, e70428	3.7	15
45	DNA requirements for interaction of the C-terminal region of Ku80 with the DNA-dependent protein kinase catalytic subunit (DNA-PKcs). <i>DNA Repair</i> , 2017 , 57, 17-28	4.3	14
44	Ku70/Ku80 and DNA-dependent protein kinase catalytic subunit modulate RAG-mediated cleavage: implications for the enforcement of the 12/23 rule. <i>Journal of Biological Chemistry</i> , 2004 , 279, 29821-31	5.4	14

43	The C-terminus of Nej1 is critical for nuclear localization and non-homologous end-joining. <i>DNA Repair</i> , 2014 , 14, 9-16	4.3	13
42	Analysis of DNA-dependent protein kinase-mediated DNA end joining by two-photon fluorescence cross-correlation spectroscopy. <i>Biochemistry</i> , 2006 , 45, 4164-72	3.2	13
41	Nej1 Interacts with Mre11 to Regulate Tethering and Dna2 Binding at DNA Double-Strand Breaks. <i>Cell Reports</i> , 2019 , 28, 1564-1573.e3	10.6	12
40	The significance of tumoral ERCC1 status in patients with locally advanced cervical cancer treated with chemoradiation therapy: a multicenter clinicopathologic analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 721-7	4	12
39	Phosphorylation of SAF-A/hnRNP-U Serine 59 by Polo-Like Kinase 1 Is Required for Mitosis. <i>Molecular and Cellular Biology</i> , 2015 , 35, 2699-713	4.8	12
38	Significance of Co-expression of Epidermal Growth Factor Receptor and Ki67 on Clinical Outcome in Patients With Anal Cancer Treated With Chemoradiotherapy: An Analysis of NRG Oncology RTOG 9811. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 97, 554-562	4	11
37	Low Ki67/high ATM protein expression in malignant tumors predicts favorable prognosis in a retrospective study of early stage hormone receptor positive breast cancer. <i>Oncotarget</i> , 2016 , 7, 85798-85812	3.3	11
36	Visualizing functional dynamicity in the DNA-dependent protein kinase holoenzyme DNA-PK complex by integrating SAXS with cryo-EM. <i>Progress in Biophysics and Molecular Biology</i> , 2021 , 163, 74-86	4.7	11
35	What Combined Measurements From Structures and Imaging Tell Us About DNA Damage Responses. <i>Methods in Enzymology</i> , 2017 , 592, 417-455	1.7	10
34	Noncoding RNA joins Ku and DNA-PKcs for DNA-break resistance in breast cancer. <i>Nature Structural and Molecular Biology</i> , 2016 , 23, 509-10	17.6	10
33	Resistance to etoposide-induced apoptosis in a Burkitt's lymphoma cell line. <i>International Journal of Cancer</i> , 1998 , 77, 755-62	7.5	10
32	PIKK-ing a new partner: a new role for PKB in the DNA damage response. <i>Cancer Cell</i> , 2008 , 13, 379-80	24.3	10
31	Detection of DNA-dependent protein kinase in extracts from human and rodent cells. <i>Methods in Molecular Biology</i> , 2000 , 99, 85-97	1.4	10
30	Role of the yeast DNA repair protein Nej1 in end processing during the repair of DNA double strand breaks by non-homologous end joining. <i>DNA Repair</i> , 2015 , 31, 1-10	4.3	9
29	The non-homologous end-joining factor Nej1 inhibits resection mediated by Dna2-Sgs1 nuclease-helicase at DNA double strand breaks. <i>Journal of Biological Chemistry</i> , 2017 , 292, 14576-14586	5.4	9
28	Scaffold attachment factor A (SAF-A) and Ku temporally regulate repair of radiation-induced clustered genome lesions. <i>Oncotarget</i> , 2016 , 7, 54430-54444	3.3	9
27	Recruitment of PP1 to the centrosomal scaffold protein CEP192. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 484, 864-870	3.4	8
26	PIK3CA mutation and CNV status and post-chemoradiotherapy survival in patients with cervical cancer. <i>Gynecologic Oncology</i> , 2020 , 158, 776-784	4.9	8

25	Flexible Tethering of ASPP Proteins Facilitates PP-1c Catalysis. <i>Structure</i> , 2019 , 27, 1485-1496.e4	5.2	8
24	DNA double strand break repair in mitosis is suppressed by phosphorylation of XRCC4. <i>PLoS Genetics</i> , 2014 , 10, e1004598	6	8
23	ATM-deficient lung, prostate and pancreatic cancer cells are acutely sensitive to the combination of olaparib and the ATR inhibitor AZD6738. <i>Genome Instability & Disease</i> , 2020 , 1, 197-205	2.3	7
22	Choreographing the DNA damage response: PP6 joins the dance. <i>Cell Cycle</i> , 2010 , 9, 1221-2	4.7	7
21	DNA end sequestration by DNA-dependent protein kinase and end joining of sterically constrained substrates in whole-cell extracts. <i>Environmental and Molecular Mutagenesis</i> , 2003 , 42, 279-87	3.2	7
20	SSEThread: Integrative threading of the DNA-PKcs sequence based on data from chemical cross-linking and hydrogen deuterium exchange. <i>Progress in Biophysics and Molecular Biology</i> , 2019 , 147, 92-102	4.7	6
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