

# Susan P Lees-Miller

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168  
papers

13,921  
citations

70  
h-index

116  
g-index

215  
ext. papers

14,995  
ext. citations

8.2  
avg, IF

6.32  
L-index

#	Paper	IF	Citations
168	Purification of DNA-Dependent Protein Kinase Catalytic Subunit (DNA-PKcs) from HeLa Cells.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2444, 227-241	1.4	0
167	Structural basis of long-range to short-range synaptic transition in NHEJ. <i>Nature</i> , <b>2021</b> , 593, 294-298	50.4	29
166	The active DNA-PK holoenzyme occupies a tensed state in a staggered synaptic complex. <i>Structure</i> , <b>2021</b> , 29, 467-478.e6	5.2	6
165	Long Noncoding RNA NIHCOLE Promotes Ligation Efficiency of DNA Double-Strand Breaks in Hepatocellular Carcinoma. <i>Cancer Research</i> , <b>2021</b> , 81, 4910-4925	10.1	6
164	Uncovering DNA-PKcs ancient phylogeny, unique sequence motifs and insights for human disease. <i>Progress in Biophysics and Molecular Biology</i> , <b>2021</b> , 163, 87-108	4.7	18
163	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> , <b>2021</b> , 163, 74-86	4.7	11
162	Decreased ATM Protein Expression Is Substantiated with PTEN Loss in Defining Aggressive Phenotype of Prostate Cancer Associated with Lethal Disease. <i>European Urology Open Science</i> , <b>2021</b> , 29, 93-101	0.9	1
161	Structural insights into the role of DNA-PK as a master regulator in NHEJ. <i>Genome Instability &amp; Disease</i> , <b>2021</b> , 2, 195-210	2.3	0
160	Function and Molecular Mechanism of the DNA Damage Response in Immunity and Cancer Immunotherapy.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 797880	8.4	3
159	ATM-deficient lung, prostate and pancreatic cancer cells are acutely sensitive to the combination of olaparib and the ATR inhibitor AZD6738. <i>Genome Instability &amp; Disease</i> , <b>2020</b> , 1, 197-205	2.3	7
158	ATM-Deficient Cancers Provide New Opportunities for Precision Oncology. <i>Cancers</i> , <b>2020</b> , 12,	6.6	38
157	PIK3CA mutation and CNV status and post-chemoradiotherapy survival in patients with cervical cancer. <i>Gynecologic Oncology</i> , <b>2020</b> , 158, 776-784	4.9	8
156	DNA-dependent protein kinase promotes DNA end processing by MRN and CtIP. <i>Science Advances</i> , <b>2020</b> , 6, eaay0922	14.3	51
155	Mechanism of efficient double-strand break repair by a long non-coding RNA. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 10953-10972	20.1	21
154	Nocodazole-Induced Expression and Phosphorylation of Anillin and Other Mitotic Proteins Are Decreased in DNA-Dependent Protein Kinase Catalytic Subunit-Deficient Cells and Rescued by Inhibition of the Anaphase-Promoting Complex/Cyclosome with proTAME but Not Apcin. <i>Molecular Cell Biology</i> , <b>2020</b> , 40,	4.8	5
153	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> , <b>2019</b> , 121, 600-610	8.7	22
152	Nej1 Interacts with Mre11 to Regulate Tethering and Dna2 Binding at DNA Double-Strand Breaks. <i>Cell Reports</i> , <b>2019</b> , 28, 1564-1573.e3	10.6	12

151	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> , <b>2019</b> , 147, 92-102	4.7	6
150	Flexible Tethering of ASPP Proteins Facilitates PP-1c Catalysis. <i>Structure</i> , <b>2019</b> , 27, 1485-1496.e4	5.2	8
149	Dissection of DNA double-strand-break repair using novel single-molecule forceps. <i>Nature Structural and Molecular Biology</i> , <b>2018</b> , 25, 482-487	17.6	49
148	Established and Emerging Roles of the DNA-Dependent Protein Kinase Catalytic Subunit (DNA-PKcs). <i>Cancer Drug Discovery and Development</i> , <b>2018</b> , 315-338	0.3	0
147	Expression of PD-L1 and presence of CD8-positive T cells in pre-treatment specimens of locally advanced cervical cancer. <i>Modern Pathology</i> , <b>2017</b> , 30, 577-586	9.8	88
146	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> , <b>2017</b> , 97, 554-562	4	11
145	Nanospray HX-MS configuration for structural interrogation of large protein systems. <i>Analyst, The</i> , <b>2017</b> , 142, 904-910	5	15
144	ATM-Deficient Colorectal Cancer Cells Are Sensitive to the PARP Inhibitor Olaparib. <i>Translational Oncology</i> , <b>2017</b> , 10, 190-196	4.9	72
143	Recruitment of PP1 to the centrosomal scaffold protein CEP192. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 484, 864-870	3.4	8
142	Structural and functional characterization of the PNKP-XRCC4-LigIV DNA repair complex. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 6238-6251	20.1	23
141	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> , <b>2017</b> , 57, 17-28	4.3	14
140	What Combined Measurements From Structures and Imaging Tell Us About DNA Damage Responses. <i>Methods in Enzymology</i> , <b>2017</b> , 592, 417-455	1.7	10
139	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> , <b>2017</b> , 4, 51-56	4.6	21
138	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> , <b>2017</b> , 292, 14576-14586	5.4	9
137	Loss of tumour-specific ATM protein expression is an independent prognostic factor in early resected NSCLC. <i>Oncotarget</i> , <b>2017</b> , 8, 38326-38336	3.3	17
136	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> , <b>2016</b> , 291, 26987-27006	5.4	49
135	Noncoding RNA joins Ku and DNA-PKcs for DNA-break resistance in breast cancer. <i>Nature Structural and Molecular Biology</i> , <b>2016</b> , 23, 509-10	17.6	10
134	Phosphatidylinositol-3 kinase (PIK3CA) E545K mutation confers cisplatin resistance and a migratory phenotype in cervical cancer cells. <i>Oncotarget</i> , <b>2016</b> , 7, 82424-82439	3.3	26

133	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> , <b>2016</b> , 7, 85798-85812	3.3	11
132	Scaffold attachment factor A (SAF-A) and Ku temporally regulate repair of radiation-induced clustered genome lesions. <i>Oncotarget</i> , <b>2016</b> , 7, 54430-54444	3.3	9
131	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> , <b>2015</b> , 31, 1-10	4.3	9
130	Fumarate in DNA repair. <i>Nature Cell Biology</i> , <b>2015</b> , 17, 1096-7	23.4	4
129	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> , <b>2015</b> , 17, 65	8.3	25
128	Phosphorylation of SAF-A/hnRNP-U Serine 59 by Polo-Like Kinase 1 Is Required for Mitosis. <i>Molecular and Cellular Biology</i> , <b>2015</b> , 35, 2699-713	4.8	12
127	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> , <b>2015</b> , 117, 194-205	4.7	170
126	Non-homologous end joining: emerging themes and unanswered questions. <i>DNA Repair</i> , <b>2014</b> , 17, 2-8	4.3	98
125	The C-terminus of Nej1 is critical for nuclear localization and non-homologous end-joining. <i>DNA Repair</i> , <b>2014</b> , 14, 9-16	4.3	13
124	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> , <b>2014</b> , 17, 110-20	4.3	86
123	DNA double strand break repair in mitosis is suppressed by phosphorylation of XRCC4. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004598	6	8
122	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> , <b>2014</b> , 34,	4.1	40
121	Low ATM protein expression and depletion of p53 correlates with olaparib sensitivity in gastric cancer cell lines. <i>Cell Cycle</i> , <b>2014</b> , 13, 2129-37	4.7	101
120	Unraveling the complexities of DNA-dependent protein kinase autophosphorylation. <i>Molecular and Cellular Biology</i> , <b>2014</b> , 34, 2162-75	4.8	39
119	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> , <b>2013</b> , 85, 721-7	4	12
118	Nepenthesin from monkey cups for hydrogen/deuterium exchange mass spectrometry. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 464-72	7.6	51
117	PIK3CA mutational status and overall survival in patients with cervical cancer treated with radical chemoradiotherapy. <i>Gynecologic Oncology</i> , <b>2013</b> , 128, 409-14	4.9	81
116	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> , <b>2013</b> , 91, 31-41	3.6	72

115	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> , <b>2013</b> , 86, 440-94	4	113
114	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> , <b>2013</b> , 33, 3568-79	4.8	31
113	Telomerase contributes to fludarabine resistance in primary human leukemic lymphocytes. <i>PLoS ONE</i> , <b>2013</b> , 8, e70428	3.7	15
112	Enhanced cytotoxicity of PARP inhibition in mantle cell lymphoma harbouring mutations in both ATM and p53. <i>EMBO Molecular Medicine</i> , <b>2012</b> , 4, 515-27	12	103
111	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> , <b>2012</b> , 34, 785-91	4.2	15
110	Targeting protein for xenopus kinesin-like protein 2 (TPX2) regulates $\gamma$ -histone 2AX ( $\gamma$ H2AX) levels upon ionizing radiation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 42206-22	5.4	20
109	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> , <b>2012</b> , 40, 2964-73	20.1	26
108	DNA Double-Strand Break Repair by Non-homologous End Joining and Its Clinical Relevance <b>2012</b> , 161-189		2
107	XRCC4 $\beta$ interaction with XLF is required for coding (but not signal) end joining. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 1684-94	20.1	50
106	Predicting PARP inhibitor sensitivity and resistance. <i>Cell Cycle</i> , <b>2012</b> , 11, 4110	4.7	4
105	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> , <b>2011</b> , 33, 251-6	4.2	32
104	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> , <b>2011</b> , 31, 1719-33	4.8	91
103	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> , <b>2011</b> , 286, 32638-50	5.4	126
102	Estrogen receptor $\beta$ -mediated transcription induces cell cycle-dependent DNA double-strand breaks. <i>Carcinogenesis</i> , <b>2011</b> , 32, 279-85	4.6	68
101	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> , <b>2011</b> , 39, 9224-37	20.1	49
100	The viral tropism of two distinct oncolytic viruses, reovirus and myxoma virus, is modulated by cellular tumor suppressor gene status. <i>Oncogene</i> , <b>2010</b> , 29, 3990-6	9.2	45
99	ATM deficiency sensitizes mantle cell lymphoma cells to poly(ADP-ribose) polymerase-1 inhibitors. <i>Molecular Cancer Therapeutics</i> , <b>2010</b> , 9, 347-57	6.1	153
98	Dual modes of interaction between XRCC4 and polynucleotide kinase/phosphatase: implications for nonhomologous end joining. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 37619-29	5.4	49

97	Protein phosphatase 6 interacts with the DNA-dependent protein kinase catalytic subunit and dephosphorylates gamma-H2AX. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 1368-81	4.8	124
96	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> , <b>2010</b> , 285, 1414-23	5.4	164
95	Choreographing the DNA damage response: PP6 joins the dance. <i>Cell Cycle</i> , <b>2010</b> , 9, 1221-2	4.7	7
94	Low ERCC1 mRNA and protein expression are associated with worse survival in cervical cancer patients treated with radiation alone. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 97, 352-9	5.3	29
93	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> , <b>2010</b> , 285, 17778-88	5.4	33
92	XLF regulates filament architecture of the XRCC4-Ligase IV complex. <i>Structure</i> , <b>2010</b> , 18, 1431-42	5.2	91
91	A structural model for regulation of NHEJ by DNA-PKcs autophosphorylation. <i>DNA Repair</i> , <b>2010</b> , 9, 1307-14	4.4	158
90	Mre11-Rad50-Nbs1 conformations and the control of sensing, signaling, and effector responses at DNA double-strand breaks. <i>DNA Repair</i> , <b>2010</b> , 9, 1299-306	4.3	177
89	Unraveling the roles of WRN and DNA-PKcs at telomeres. <i>Aging</i> , <b>2010</b> , 2, 257-8	5.6	2
88	Repair of ionizing radiation-induced DNA double-strand breaks by non-homologous end-joining. <i>Biochemical Journal</i> , <b>2009</b> , 417, 639-50	3.8	519
87	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> , <b>2009</b> , 37, 4055-62	20.1	40
86	Telomere dysfunction and DNA-PKcs deficiency: characterization and consequence. <i>Cancer Research</i> , <b>2009</b> , 69, 2100-7	10.1	68
85	Tyrosyl-DNA phosphodiesterase and the repair of 3'-phosphoglycolate-terminated DNA double-strand breaks. <i>DNA Repair</i> , <b>2009</b> , 8, 901-11	4.3	60
84	The human telomerase RNA component, hTR, activates the DNA-dependent protein kinase to phosphorylate heterogeneous nuclear ribonucleoprotein A1. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 6105-15	20.1	45
83	DNA Double Strand Break Repair: Mechanisms and Therapeutic Potential <b>2009</b> , 157-177		
82	PIKK-ing a new partner: a new role for PKB in the DNA damage response. <i>Cancer Cell</i> , <b>2008</b> , 13, 379-80	24.3	10
81	DNA-PK and ATM phosphorylation sites in XLF/Cernunnos are not required for repair of DNA double strand breaks. <i>DNA Repair</i> , <b>2008</b> , 7, 1680-92	4.3	74
80	DNA-PK: the means to justify the ends?. <i>Advances in Immunology</i> , <b>2008</b> , 99, 33-58	5.6	185

79	Utilizing protein phosphatase inhibitors to define PP2A as a regulator of ataxia-telangiectasia mutated. <i>Methods in Molecular Biology</i> , <b>2007</b> , 365, 47-59	1.4	2
78	trans Autophosphorylation at DNA-dependent protein kinase $\delta$ two major autophosphorylation site clusters facilitates end processing but not end joining. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 3881-90	4.8	142
77	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> , <b>2007</b> , 27, 1581-91	4.8	100
76	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> , <b>2007</b> , 35, 3869-78	20.1	32
75	Dynamic binding of Ku80, Ku70 and NF90 to the IL-2 promoter in vivo in activated T-cells. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 2302-10	20.1	49
74	Analysis of DNA-dependent protein kinase-mediated DNA end joining by two-photon fluorescence cross-correlation spectroscopy. <i>Biochemistry</i> , <b>2006</b> , 45, 4164-72	3.2	13
73	Dysfunction of lamin A triggers a DNA damage response and cellular senescence. <i>DNA Repair</i> , <b>2006</b> , 5, 286-9	4.3	19
72	DNA-PK autophosphorylation facilitates Artemis endonuclease activity. <i>EMBO Journal</i> , <b>2006</b> , 25, 3880-9	13	230
71	Human Ku70/80 interacts directly with hTR, the RNA component of human telomerase. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 2090-8	20.1	79
70	DNA-PK-dependent phosphorylation of Ku70/80 is not required for non-homologous end joining. <i>DNA Repair</i> , <b>2005</b> , 4, 1006-18	4.3	70
69	Putative homologues of the DNA-dependent protein kinase catalytic subunit (DNA-PKcs) and other components of the non-homologous end joining machinery in Dictyostelium discoideum. <i>DNA Repair</i> , <b>2005</b> , 4, 1061-5	4.3	21
68	Deficiency in the catalytic subunit of DNA-dependent protein kinase causes down-regulation of ATM. <i>Cancer Research</i> , <b>2005</b> , 65, 1670-7	10.1	86
67	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> , <b>2005</b> , 25, 10842-52	4.8	187
66	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> , <b>2005</b> , 102, 1345-50	11.5	53
65	Selective inhibition of the DNA-dependent protein kinase (DNA-PK) by the radiosensitizing agent caffeine. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 1967-72	20.1	66
64	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> , <b>2004</b> , 279, 29821-31	5.4	14
63	Autophosphorylation-dependent remodeling of the DNA-dependent protein kinase catalytic subunit regulates ligation of DNA ends. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 4351-7	20.1	105
62	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> , <b>2004</b> , 32, 997-1005	20.1	84

61	Doxorubicin activates ATM-dependent phosphorylation of multiple downstream targets in part through the generation of reactive oxygen species. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 53272-81	5.4	204
60	Non-homologous end joining requires that the DNA-PK complex undergo an autophosphorylation-dependent rearrangement at DNA ends. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 39408-13	5.4	105
59	The DNA-dependent protein kinase: the director at the end. <i>Immunological Reviews</i> , <b>2004</b> , 200, 132-41	11.3	179
58	Autophosphorylation of ataxia-telangiectasia mutated is regulated by protein phosphatase 2A. <i>EMBO Journal</i> , <b>2004</b> , 23, 4451-61	13	218
57	Examination of surface-bound Ku-DNA complexes in an aqueous environment using MAC mode atomic force microscopy. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 918-24	11.8	4
56	Structure and dynamics of lipoplex formation examined using two-photon fluorescence cross-correlation spectroscopy. <i>Biochemistry</i> , <b>2004</b> , 43, 7263-72	3.2	23
55	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> , <b>2004</b> , 3, 235-44	4.3	57
54	DNA damage-induced activation of ATM and ATM-dependent signaling pathways. <i>DNA Repair</i> , <b>2004</b> , 3, 889-900	4.3	366
53	Biochemical characterization of the ataxia-telangiectasia mutated (ATM) protein from human cells. <i>DNA Repair</i> , <b>2004</b> , 3, 753-67	4.3	68
52	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> , <b>2003</b> , 42, 279-87	3.2	7
51	Repair of DNA double strand breaks by non-homologous end joining. <i>Biochimie</i> , <b>2003</b> , 85, 1161-73	4.6	299
50	UV-light induces p38 MAPK-dependent phosphorylation of Bcl10. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 301, 923-6	3.4	16
49	DNA-PK phosphorylation sites in XRCC4 are not required for survival after radiation or for V(D)J recombination. <i>DNA Repair</i> , <b>2003</b> , 2, 1239-52	4.3	96
48	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> , <b>2003</b> , 23, 5836-48	4.8	258
47	The role of ATM and ATR in DNA damage-induced cell cycle control. <i>Progress in Cell Cycle Research</i> , <b>2003</b> , 5, 393-411		50
46	Structure of the RPA trimerization core and its role in the multistep DNA-binding mechanism of RPA. <i>EMBO Journal</i> , <b>2002</b> , 21, 1855-63	13	229
45	Functional link between BLM defective in Bloom's syndrome and the ataxia-telangiectasia-mutated protein, ATM. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 30515-23	5.4	95
44	Identification of in vitro and in vivo phosphorylation sites in the catalytic subunit of the DNA-dependent protein kinase. <i>Biochemical Journal</i> , <b>2002</b> , 368, 243-51	3.8	154



43	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> , <b>2002</b> , 277, 27162-8	5.4	155
42	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> , <b>2002</b> , 277, 18291-302	5.4	129
41	ATM mediates phosphorylation at multiple p53 sites, including Ser(46), in response to ionizing radiation. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 12491-4	5.4	204
40	Ionizing radiation induces ataxia telangiectasia mutated kinase (ATM)-mediated phosphorylation of LKB1/STK11 at Thr-366. <i>Biochemical Journal</i> , <b>2002</b> , 368, 507-16	3.8	92
39	Lipid Phase Dependence of DNA-Cationic Phospholipid Bilayer Interactions Examined Using Atomic Force Microscopy. <i>Langmuir</i> , <b>2002</b> , 18, 4873-4884	4	31
38	The DNA-dependent protein kinase interacts with DNA to form a protein-DNA complex that is disrupted by phosphorylation. <i>Biochemistry</i> , <b>2002</b> , 41, 12706-14	3.2	120
37	Intestinal infection with <i>Giardia</i> spp. reduces epithelial barrier function in a myosin light chain kinase-dependent fashion. <i>Gastroenterology</i> , <b>2002</b> , 123, 1179-90	13.3	154
36	Protein phosphatases regulate DNA-dependent protein kinase activity. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 18992-8	5.4	120
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