Noel F Lowndes

List of Publications by Year
in descending order

85 papers	6,140 citations	87843 38 h-index	69214 77 g-index
92 all docs	92 docs citations	92 times ranked	5401 citing authors

#	Article	IF	Citations
1	Immediate-Early, Early, and Late Responses to DNA Double Stranded Breaks. Frontiers in Genetics, 2022, 13, 793884.	1.1	33
2	The nuclear kinesin KIF18B promotes 53BP1-mediated DNA double-strand break repair. Cell Reports, 2021, 35, 109306.	2.9	13
3	Novel Pt(IV) Prodrugs Displaying Antimitochondrial Effects. Molecular Pharmaceutics, 2020, 17, 3009-3023.	2.3	8
4	Phenotypic and functional heterogeneity of human intermediate monocytes based on <scp>HLA</scp>â€‹<scp>DR</scp> expression. Immunology and Cell Biology, 2018, 96, 742-758.	1.0	14
5	Recruitment of lysine demethylase 2A to DNA double strand breaks and its interaction with 53BP1 ensures genome stability. Oncotarget, 2018, 9, 15915-15930.	0.8	10
6	Analysis of novel missense ATR mutations reveals new splicing defects underlying Seckel syndrome. Human Mutation, 2018, 39, 1847-1853.	1.1	10
7	The Transcription Factor Hif-1 Enhances the Radio-Resistance of Mouse MSCs. Frontiers in Physiology, 2018, 9, 439.	1.3	20
8	Analysis of Biphenyl-Type Inhibitors Targeting the Eg5 Î±4/Î±6 Allosteric Pocket. ACS Omega, 2017, 2, 1836-1849.	1.6	2
9	Differential Response of Mouse Thymic Epithelial Cell Types to Ionizing Radiation-Induced DNA Damage. Frontiers in Immunology, 2017, 8, 418.	2.2	31
10	A role for the p53 tumour suppressor in regulating the balance between homologous recombination and non-homologous end joining. Open Biology, 2016, 6, 160225.	1.5	32
11	BRCA1 Is Required for Maintenance of Phospho-Chk1 and G₂/M Arrest during DNA Cross-Link Repair in DT40 Cells. Molecular and Cellular Biology, 2015, 35, 3829-3840.	1.1	13
12	The RSF1 Histone-Remodelling Factor Facilitates DNA Double-Strand Break Repair by Recruiting Centromeric and Fanconi Anaemia Proteins. PLoS Biology, 2014, 12, e1001856.	2.6	52
13	Hypoxia Enhances the Radioresistance of Mouse Mesenchymal Stromal Cells. Stem Cells, 2014, 32, 2188-2200.	1.4	61
14	Rational design and validation of a Tip60 histone acetyltransferase inhibitor. Scientific Reports, 2014, 4, 5372.	1.6	103
15	Induction of homologous recombination between sequence repeats by the activation induced cytidine deaminase (AID) protein. ELife, 2014, 3, e03110.	2.8	4
16	Mesenchymal stromal cells: radioâ€resistant members of the bone marrow. Immunology and Cell Biology, 2013, 91, 5-11.	1.0	59
17	ATR Activates the S-M Checkpoint during Unperturbed Growth to Ensure Sufficient Replication Prior to Mitotic Onset. Cell Reports, 2013, 5, 1095-1107.	2.9	95
18	Multiple Facets of the DNA Damage Response Contribute to the Radioresistance of Mouse Mesenchymal Stromal Cell Lines. Stem Cells, 2013, 31, 137-145.	1.4	65

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19	Hypoxia enhances the radio-resistance of mouse mesenchymal stromal cells. Experimental Hematology, 2013, 41, S59.	0.2	1
20	Repression of G₁/S Transcription Is Mediated via Interaction of the GTB Motifs of Nrm1 and Whi5 with Swi6. Molecular and Cellular Biology, 2013, 33, 1476-1486.	1.1	30
21	Site-Specific Phosphorylation of the DNA Damage Response Mediator Rad9 by Cyclin-Dependent Kinases Regulates Activation of Checkpoint Kinase 1. PLoS Genetics, 2013, 9, e1003310.	1.5	22
22	Binding Specificity of the G1/S Transcriptional Regulators in Budding Yeast. PLoS ONE, 2013, 8, e61059.	1.1	21
23	ATRâ€“ATRIP Kinase Complex Triggers Activation of the Fanconi Anemia DNA Repair Pathway. Cancer Research, 2012, 72, 1149-1156.	0.4	62
24	Coâ€mutation of histone H2AX S139A with Y142A rescues Y142Aâ€induced ionising radiation sensitivity. FEBS Open Bio, 2012, 2, 313-317.	1.0	8
25	Eukaryotic DNA damage checkpoint activation in response to double-strand breaks. Cellular and Molecular Life Sciences, 2012, 69, 1447-1473.	2.4	104
26	Regulation of the DNA Damage Response and Gene Expression by the Dot1L Histone Methyltransferase and the 53Bp1 Tumour Suppressor. PLoS ONE, 2011, 6, e14714.	1.1	35
27	Modification of Histones by Sugar Î²-N-Acetylglucosamine (GlcNAc) Occurs on Multiple Residues, Including Histone H3 Serine 10, and Is Cell Cycle-regulated. Journal of Biological Chemistry, 2011, 286, 37483-37495.	1.6	112
28	MRN and the race to the break. Chromosoma, 2010, 119, 115-135.	1.0	81
29	The interplay between BRCA1 and 53BP1 influences death, aging, senescence and cancer. DNA Repair, 2010, 9, 1112-1116.	1.3	20
30	Dynamics of Rad9 Chromatin Binding and Checkpoint Function Are Mediated by Its Dimerization and Are Cell Cycleâ€“Regulated by CDK1 Activity. PLoS Genetics, 2010, 6, e1001047.	1.5	59
31	Chromatin Assembly and Signalling the End of DNA Repair Requires Acetylation of Histone H3 on Lysine 56. Sub-Cellular Biochemistry, 2010, 50, 43-54.	1.0	9
32	Genetic Evidence for Single-Strand Lesions Initiating Nbs1-Dependent Homologous Recombination in Diversification of Ig V in Chicken B Lymphocytes. PLoS Genetics, 2009, 5, e1000356.	1.5	39
33	Enhanced Protein Detection Using a Trapping Mode on a Hybrid Quadrupole Linear Ion Trap (Q-Trap). Analytical Chemistry, 2009, 81, 6300-6309.	3.2	13
34	53BP1: function and mechanisms of focal recruitment. Biochemical Society Transactions, 2009, 37, 897-904.	1.6	123
35	The MRN complex. Current Biology, 2008, 18, R455-R457.	1.8	41
36	Autofluorescent Proteins. Methods in Cell Biology, 2008, 85, 1-22.	0.5	15

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37	Transcriptional Response of <i>Candida parapsilosis</i> following Exposure to Farnesol. Antimicrobial Agents and Chemotherapy, 2008, 52, 2296-2296.	1.4	1
38	Comparisons Between DT40 Wild Type and DT40-Cre1 Cells as Suitable Model Systems for Studying the DNA Damage Response. Cell Cycle, 2007, 6, 2310-2313.	1.3	2
39	Transcriptional Response of Candida parapsilosis following Exposure to Farnesol. Antimicrobial Agents and Chemotherapy, 2007, 51, 2304-2312.	1.4	70
40	Chaperoning the Cln3 Cyclin Prevents Promiscuous Activation of Start. Molecular Cell, 2007, 27, 1-2.	4.5	2
41	Docking onto chromatin via theSaccharomyces cerevisiae Rad9 Tudor domain. Yeast, 2007, 24, 105-119.	0.8	104
42	Mobility and distribution of replication protein A in living cells using fluorescence correlation spectroscopy. Experimental and Molecular Pathology, 2007, 82, 156-162.	0.9	16
43	An Investigation into 53BP1 Complex Formation. , 2007, 604, 47-57.		1
44	Chromatin modulation and the DNA damage response. Experimental Cell Research, 2006, 312, 2677-2686.	1.2	33
45	Histone H2A phosphorylation and H3 methylation are required for a novel Rad9 DSB repair function following checkpoint activation. DNA Repair, 2006, 5, 693-703.	1.3	114
46	Genetic dissection of vertebrate 53BP1: A major role in non-homologous end joining of DNA double strand breaks. DNA Repair, 2006, 5, 741-749.	1.3	90
47	DNA repair: From molecular mechanism to human disease. DNA Repair, 2006, 5, 986-996.	1.3	162
48	Double-strand breaks trigger MRX- and Mec1-dependent, but Tel1-independent, checkpoint activation. FEMS Yeast Research, 2006, 6, 836-847.	1.1	17
49	Multiple Approaches to Study S. cerevisiae Rad9, a Prototypical Checkpoint Protein. Methods in Enzymology, 2006, 409, 131-150.	0.4	9
50	DNA Repair: The Importance of Phosphorylating Histone H2AX. Current Biology, 2005, 15, R99-R102.	1.8	167
51	Purification and Analysis of Checkpoint Protein Complexes From <I>Saccharomyces cerevisiae</I>. , 2004, 280, 291-306.		1
52	Remodelling the Rad9 Checkpoint Complex: Preparing Rad53 for Action. Cell Cycle, 2004, 3, 117-120.	1.3	7
53	The switch from survival responses to apoptosis after chromosomal breaks. DNA Repair, 2004, 3, 989-995.	1.3	34
54	Remodelling the Rad9 checkpoint complex: preparing Rad53 for action. Cell Cycle, 2004, 3, 119-22.	1.3	8

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55	Yeast histone 2A serine 129 is essential for the efficient repair of checkpointâ€blind DNA damage. EMBO Reports, 2003, 4, 678-684.	2.0	204
56	The MRN complex: coordinating and mediating the response to broken chromosomes. EMBO Reports, 2003, 4, 844-849.	2.0	233
57	The budding yeast Rad9 checkpoint complex: chaperone proteins are required for its function. EMBO Reports, 2003, 4, 953-958.	2.0	23
58	Role of the Saccharomyces cerevisiae Rad9 protein in sensing and responding to DNA damage. Biochemical Society Transactions, 2003, 31, 242-246.	1.6	56
59	RAD9, RAD24, RAD16 and RAD26 are required for the inducible nucleotide excision repair of UV-induced cyclobutane pyrimidine dimers from the transcribed and non-transcribed regions of the Saccharomyces cerevisiae MFA2 gene. Mutation Research DNA Repair, 2001, 485, 229-236.	3.8	17
60	Budding Yeast Rad9 Is an ATP-Dependent Rad53 Activating Machine. Molecular Cell, 2001, 8, 129-136.	4.5	277
61	Checkpoint activation in response to double-strand breaks requires the Mre11/Rad50/Xrs2 complex. Nature Cell Biology, 2001, 3, 844-847.	4.6	171
62	Topoisomerase III Acts Upstream of Rad53p in the S-Phase DNA Damage Checkpoint. Molecular and Cellular Biology, 2001, 21, 7150-7162.	1.1	65
63	A role for Saccharomyces cerevisiae histone H2A in DNA repair. Nature, 2000, 408, 1001-1004.	13.7	598
64	A novel Rad24 checkpoint protein complex closely related to replication factor C. Current Biology, 2000, 10, R171.	1.8	0
65	A novel Rad24 checkpoint protein complex closely related to replication factor C. Current Biology, 2000, 10, 39-42.	1.8	251
66	Sensing and responding to DNA damage. Current Opinion in Genetics and Development, 2000, 10, 17-25.	1.5	252
67	The Saccharomyces cerevisiae DNA damage checkpoint is required for efficient repair of double strand breaks by non-homologous end joining. FEBS Letters, 2000, 467, 311-315.	1.3	35
68	DUN1 defines one branch downstream of RAD53 for transcription and DNA damage repair in Saccharomyces cerevisiae. FEBS Letters, 2000, 485, 205-206.	1.3	24
69	The BRCT domain of the S. cerevisiae checkpoint protein Rad9 mediates a Rad9â€"Rad9 interaction after DNA damage. Current Biology, 1999, 9, 551-S2.	1.8	119
70	DNA damage-dependent checkpoints in yeasts and human cells. European Journal of Cancer, 1999, 35, S386.	1.3	0
71	The budding yeast Rad9 checkpoint protein is subjected to Mec1/Tel1-dependent hyperphosphorylation and interacts with Rad53 after DNA damage. EMBO Journal, 1998, 17, 5679-5688.	3.5	248
72	RAD9 and RAD24 define two additive, interacting branches of the DNA damage checkpoint pathway in budding yeast normally required for Rad53 modification and activation. EMBO Journal, 1998, 17, 2687-2698.	3.5	140

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73	Human and mouse homologs of<i>Schizosaccharomyces pombe rad1</i>⁺and<i>Saccharomyces cerevisiae RAD17:</i>linkage to checkpoint control and mammalian meiosis. Genes and Development, 1998, 12, 2560-2573.	2.7	100
74	A novel role for the budding yeast RAD9 checkpoint gene in DNA damage-dependent transcription.. EMBO Journal, 1996, 15, 3912-3922.	3.5	102
75	Cell cycle control of DNA synthesis in budding yeast. Nucleic Acids Research, 1992, 20, 2403-2410.	6.5	130
76	Control of DNA synthesis genes in fission yeast by the cell-cycle gene cdclO+. Nature, 1992, 355, 449-453.	13.7	254
77	SWI6 protein is required for transcription of the periodically expressed DNA synthesis genes in budding yeast. Nature, 1992, 357, 505-508.	13.7	188
78	Parallel pathways of cell cycle-regulated gene expression. Trends in Genetics, 1992, 8, 79-81.	2.9	15
79	DNA synthesis control in yeast: An evolutionarily conserved mechanism for regulating DNA synthesis genes?. BioEssays, 1992, 14, 823-830.	1.2	42
80	Coordination of expression of DNA synthesis genes in budding yeast by a cell-cycle regulated trans factor. Nature, 1991, 350, 247-250.	13.7	226
81	The yeast DNA ligase geneCDC9 is controlled by six orientation specific upstream activating sequences that respond to cellular proliferation but which alone cannot mediate cell cycle regulation. Nucleic Acids Research, 1991, 19, 359-364.	6.5	10
82	A Cell-cycle-regulated trans-Factor, DSC1, Controls Expression of DNA Synthesis Genes in Yeast. Cold Spring Harbor Symposia on Quantitative Biology, 1991, 56, 169-176.	2.0	21
83	A short, highly repetitive element in intron -1 of the human c-Ha-ras gene acts as a block to transcriptional readthrough by a viral promoter.. Molecular and Cellular Biology, 1990, 10, 4990-4995.	1.1	16
84	c-Ha-ras gene bidirectional promoter expressed in vitro: location and regulation.. Molecular and Cellular Biology, 1989, 9, 3758-3770.	1.1	34
85	c-Ha<i>-ras</i> Gene Bidirectional Promoter Expressed In Vitro: Location and Regulation. Molecular and Cellular Biology, 1989, 9, 3758-3770.	1.1	18