William K Holloman

List of Publications by Year
in descending order

46	2,779	394421	243625
papers	citations	19 h-index	44 g-index

96	96	96	2963
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ustilago maydis telomere protein Pot1 harbors an extra N-terminal OB fold and regulates homology-directed DNA repair factors in a dichotomous and context-dependent manner. PLoS Genetics, 2022, 18, e1010182.	3.5	4
2	Structurally distinct telomere-binding proteins in Ustilago maydis execute non-overlapping functions in telomere replication, recombination, and protection. Communications Biology, 2020, 3, 777.	4.4	8
3	Characterization of a potent dominant negative mutant variant of Rad51 in Ustilago maydis. DNA Repair, 2019, 78, 91-101.	2.8	0
4	Collaboration in the actions of Brh2 with resolving functions during DNA repair and replication stress in Ustilago maydis. DNA Repair, 2018, 63, 47-55.	2.8	0
5	Contributions of recombination and repair proteins to telomere maintenance in telomeraseâ€positive and negative Ustilago maydis. Molecular Microbiology, 2018, 107, 81-93.	2.5	9
6	Loss of Cohesin Subunit Rec8 Switches Rad51 Mediator Dependence in Resistance to Formaldehyde Toxicity in Ustilago maydis. Genetics, 2018, 210, 559-572.	2.9	10
7	Approaches to Understanding the Mediator Function of Brh2 in Ustilago maydis. Methods in Enzymology, 2018, 600, 513-525.	1.0	1
8	Dss1 Regulates Association of Brh2 with Rad51. Biochemistry, 2017, 56, 3318-3327.	2.5	5
9	Mre11 and Blm-Dependent Formation of ALT-Like Telomeres in Ku-Deficient Ustilago maydis. PLoS Genetics, 2015, 11, e1005570.	3.5	23
10	Fungal Ku prevents permanent cell cycle arrest by suppressing DNA damage signaling at telomeres. Nucleic Acids Research, 2015, 43, 2138-2151.	14.5	22
11	LAMMER kinase contributes to genome stability in Ustilago maydis. DNA Repair, 2015, 33, 70-77.	2.8	6
12	Dual DNA-binding domains shape the interaction of Brh2 with DNA. DNA Repair, 2014, 22, 104-111.	2.8	7
13	Brh2 and Rad51 promote telomere maintenance in Ustilago maydis, a new model system of DNA repair proteins at telomeres. DNA Repair, 2013, 12, 472-479.	2.8	22
14	Initiation of Meiotic Recombination in Ustilago maydis. Genetics, 2013, 195, 1231-1240.	2.9	10
15	Dss1 Release Activates DNA Binding Potential in Brh2. Biochemistry, 2012, 51, 9137-9146.	2.5	9
16	Brh2 domain function distinguished by differential cellular responses to DNA damage and replication stress. Molecular Microbiology, 2012, 83, 351-361.	2.5	9
17	Unraveling the mechanism of BRCA2 in homologous recombination. Nature Structural and Molecular Biology, 2011, 18, 748-754.	8.2	171
18	Mutational analysis of Brh2 reveals requirements for compensating mediator functions. Molecular Microbiology, 2011, 79, 180-191.	2.5	15

#	Article	IF	Citations
19	The DNA Damage Response Signaling Cascade Regulates Proliferation of the Phytopathogenic Fungus Ustilago maydis in Planta. Plant Cell, 2011, 23, 1654-1665.	6.6	28
20	DNA-binding Domain within the Brh2 N Terminus Is the Primary Interaction Site for Association with DNA. Journal of Biological Chemistry, 2009, 284, 8265-8273.	3.4	22
21	Role of Blm and collaborating factors in recombination and survival following replication stress in Ustilago maydis. DNA Repair, 2009, 8, 752-759.	2.8	15
22	Dss1 Regulates Interaction of Brh2 with DNA. Biochemistry, 2009, 48, 11929-11938.	2.5	17
23	Second-End Capture in DNA Double-Strand Break Repair Promoted by Brh2 Protein of Ustilago maydis. Molecular Cell, 2009, 33, 160-170.	9.7	31
24	Brh2 Promotes a Template-Switching Reaction Enabling Recombinational Bypass of Lesions during DNA Synthesis. Molecular Cell, 2009, 36, 620-630.	9.7	13
25	Compensatory role for Rad52 during recombinational repair in Ustilago maydis. Molecular Microbiology, 2008, 67, 1156-1168.	2.5	28
26	The homologous recombination system of Ustilago maydis. Fungal Genetics and Biology, 2008, 45, S31-S39.	2.1	51
27	D-loop formation by Brh2 protein of Ustilago maydis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 524-529.	7.1	17
28	Dss1 Interaction with Brh2 as a Regulatory Mechanism for Recombinational Repair. Molecular and Cellular Biology, 2007, 27, 2512-2526.	2.3	40
29	Towards understanding the extreme radiation resistance of Ustilago maydis. Trends in Microbiology, 2007, 15, 525-529.	7.7	29
30	DNA Binding, Annealing, and Strand Exchange Activities of Brh2 Protein from Ustilago maydis. Biochemistry, 2007, 46, 7163-7173.	2.5	35
31	Ortholog of BRCA2-interacting protein BCCIP controls morphogenetic responses during DNA replication stress in Ustilago maydis. DNA Repair, 2007, 6, 1651-1660.	2.8	11
32	Insights from the genome of the biotrophic fungal plant pathogen Ustilago maydis. Nature, 2006, 444, 97-101.	27.8	1,113
33	Rec2 Interplay with both Brh2 and Rad51 Balances Recombinational Repair in Ustilago maydis. Molecular and Cellular Biology, 2006, 26, 678-688.	2.3	20
34	The BRCA2 homologue Brh2 nucleates RAD51 filament formation at a dsDNAâ€“ssDNA junction. Nature, 2005, 433, 653-657.	27.8	289
35	Brh2-Dss1 Interplay Enables Properly Controlled Recombination in Ustilago maydis. Molecular and Cellular Biology, 2005, 25, 2547-2557.	2.3	59
36	The BRCA2-Interacting Protein DSS1 Is Vital for DNA Repair, Recombination, and Genome Stability in Ustilago maydis. Molecular Cell, 2003, 12, 1043-1049.	9.7	110

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37	BRCA2 Homolog Required for Proficiency in DNA Repair, Recombination, and Genome Stability in Ustilago maydis. Molecular Cell, 2002, 10, 683-691.	9.7	162
38	A RecA Homologue inUstilago maydisThat Is Distinct and Evolutionarily Distant from Rad51 Actively Promotes DNA Pairing Reactions in the Absence of Auxiliary Factorsâ€. Biochemistry, 2001, 40, 2942-2953.	2.5	7
39	Disruptions of the Ustilago maydis REC2 gene identify a protein domain important in directing recombinational repair of DNA. Molecular Microbiology, 2001, 40, 1415-1426.	2.5	10
40	Shuttle vectors for genetic manipulations in Ustilago maydis. Canadian Journal of Microbiology, 2000, 46, 333-338.	1.7	27
41	Binding and Melting of D-Loops by the Bloom Syndrome Helicase. Biochemistry, 2000, 39, 14617-14625.	2.5	218
42	Shuttle vectors for genetic manipulations in Ustilago maydis. Canadian Journal of Microbiology, 2000, 46, 333-338.	1.7	17
43	Interaction Between Ustilago maydis REC2 and RAD51 Genes in DNA Repair and Mitotic Recombination. Genetics, 1997, 145, 243-251.	2.9	29
44	The REC1 Gene of Ustilago maydis, Which Encodes a 3â€² â†’ 5â€² Exonuclease, Couples DNA Repair and Completion of DNA Synthesis to a Mitotic Checkpoint. Genetics, 1996, 143, 165-174.	2.9	29
45	ATP-dependent DNA renaturation and DNA-dependent ATPase reactions catalyzed by the Ustilago maydis homologous pairing protein. FEBS Journal, 1994, 219, 865-875.	0.2	4
46	The LEU1 gene of Ustilago maydis. Gene, 1994, 140, 131-135.	2.2	15