

Mitch McVey

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41
papers

2,402
citations

22
h-index

46
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46
ext. papers

2,852
ext. citations

7
avg, IF

5.41
L-index

#	Paper	IF	Citations
41	MMEJ repair of double-strand breaks (directoræ cut): deleted sequences and alternative endings. <i>Trends in Genetics</i> , 2008 , 24, 529-38	8.5	683
40	Drosophila BLM in double-strand break repair by synthesis-dependent strand annealing. <i>Science</i> , 2003 , 299, 265-7	33.3	211
39	Error-Prone Repair of DNA Double-Strand Breaks. <i>Journal of Cellular Physiology</i> , 2016 , 231, 15-24	7	202
38	Dual roles for DNA polymerase theta in alternative end-joining repair of double-strand breaks in Drosophila. <i>PLoS Genetics</i> , 2010 , 6, e1001005	6	153
37	Synthesis-dependent microhomology-mediated end joining accounts for multiple types of repair junctions. <i>Nucleic Acids Research</i> , 2010 , 38, 5706-17	20.1	141
36	Evidence for multiple cycles of strand invasion during repair of double-strand gaps in Drosophila. <i>Genetics</i> , 2004 , 167, 699-705	4	89
35	Characteristics of de novo structural changes in the human genome. <i>Genome Research</i> , 2015 , 25, 792-801	9.7	83
34	The short life span of <i>Saccharomyces cerevisiae</i> sgs1 and srs2 mutants is a composite of normal aging processes and mitotic arrest due to defective recombination. <i>Genetics</i> , 2001 , 157, 1531-42	4	83
33	Eukaryotic DNA Polymerases in Homologous Recombination. <i>Annual Review of Genetics</i> , 2016 , 50, 393-421	11.5	79
32	Formation of deletions during double-strand break repair in Drosophila DmBlm mutants occurs after strand invasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15694-9	11.5	79
31	End-joining repair of double-strand breaks in <i>Drosophila melanogaster</i> is largely DNA ligase IV independent. <i>Genetics</i> , 2004 , 168, 2067-76	4	70
30	Multiple functions of Drosophila BLM helicase in maintenance of genome stability. <i>Genetics</i> , 2007 , 176, 1979-92	4	67
29	Competition between replicative and translesion polymerases during homologous recombination repair in Drosophila. <i>PLoS Genetics</i> , 2012 , 8, e1002659	6	44
28	Separation of mother and daughter cells. <i>Methods in Enzymology</i> , 2002 , 351, 468-77	1.7	43
27	Two classes of sir3 mutants enhance the sir1 mutant mating defect and abolish telomeric silencing in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2000 , 155, 509-22	4	36
26	A case-based approach increases student learning outcomes and comprehension of cellular respiration concepts. <i>Biochemistry and Molecular Biology Education</i> , 2007 , 35, 181-6	1.3	34
25	Strategies for DNA interstrand crosslink repair: insights from worms, flies, frogs, and slime molds. <i>Environmental and Molecular Mutagenesis</i> , 2010 , 51, 646-58	3.2	31

24	Drosophila DNA polymerase theta utilizes both helicase-like and polymerase domains during microhomology-mediated end joining and interstrand crosslink repair. <i>PLoS Genetics</i> , 2017 , 13, e1006813 ⁶	30
23	Linking DNA polymerase theta structure and function in health and disease. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 603-15	10.3 27
22	AGEID: a database of aging genes and interventions. <i>Mechanisms of Ageing and Development</i> , 2002 , 123, 1115-9	5.6 25
21	Using yeast to discover the fountain of youth. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2001 , 2001, pe1	23
20	DNA damage as an indicator of chronic stress: Correlations with corticosterone and uric acid. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019 , 227, 116-122 ²⁶	23
19	Secondary structure forming sequences drive SD-MMEJ repair of DNA double-strand breaks. <i>Nucleic Acids Research</i> , 2017 , 45, 12848-12861	20.1 20
18	Loss of the bloom syndrome helicase increases DNA ligase 4-independent genome rearrangements and tumorigenesis in aging Drosophila. <i>Genome Biology</i> , 2011 , 12, R121	18.3 20
17	Multiple mechanisms contribute to double-strand break repair at rereplication forks in Drosophila follicle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13809-13814	11.5 17
16	Regulation of Error-Prone DNA Double-Strand Break Repair and Its Impact on Genome Evolution. <i>Cells</i> , 2020 , 9,	7.9 17
15	Removal of the bloom syndrome DNA helicase extends the utility of imprecise transposon excision for making null mutations in Drosophila. <i>Genetics</i> , 2009 , 183, 1187-93	4 16
14	Common variants of Drosophila melanogaster Cyp6d2 cause camptothecin sensitivity and synergize with loss of Brca2. <i>G3: Genes, Genomes, Genetics</i> , 2013 , 3, 91-9	3.2 11
13	The Drosophila Werner exonuclease participates in an exonuclease-independent response to replication stress. <i>Genetics</i> , 2014 , 197, 643-52	4 9
12	In vivo analysis of Drosophila BLM helicase function during DNA double-strand gap repair. <i>Methods in Molecular Biology</i> , 2010 , 587, 185-94	1.4 7
11	Super-sized deletions: improved transposon excision screens using a mus309 mutant background. <i>Fly</i> , 2010 , 4, 137-40	1.3 4
10	The PIF1 Helicase Promotes Survival During Replication Stress and Processive DNA Synthesis During Double-Strand Gap Repair. <i>Genetics</i> , 2019 , 213, 835-847	4 4
9	Sertraline induces DNA damage and cellular toxicity in Drosophila that can be ameliorated by antioxidants. <i>Scientific Reports</i> , 2020 , 10, 4512	4.9 3
8	Beyond corticosterone: The acute stress response increases DNA damage in house sparrows. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2020 , 333, 595-606	1.9 3
7	Evidence for premature aging in a Drosophila model of Werner syndrome. <i>Experimental Gerontology</i> , 2019 , 127, 110733	4.5 2

6	The DNA polymerases of. <i>Fly</i> , 2020 , 14, 49-61	1.3	1
5	Rapid Detection of H2Av Foci in Ex Vivo MMS-Treated Drosophila Imaginal Discs. <i>Methods in Molecular Biology</i> , 2017 , 1644, 203-211	1.4	1
4	The Drosophila melanogaster PIF1 helicase promotes survival during replication stress and processive DNA synthesis during double-strand gap repair		1
3	Using Poetry in the Undergraduate Biology Classroom. <i>American Biology Teacher</i> , 2020 , 82, 416-420	0.3	1
2	Recovery of Alternative End-Joining Repair Products From Drosophila Embryos. <i>Methods in Enzymology</i> , 2018 , 601, 91-110	1.7	0
1	Beer and aging. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2001 , 2001, vp5		