Jennifer A Surtees

List of Publications by Year
in descending order

29 papers	1,155 citations	516710 16 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	1408 citing authors

#	Article	IF	Citations
1	Dynamic Basis for One-Dimensional DNA Scanning by the Mismatch Repair Complex Msh2-Msh6. Molecular Cell, 2007, 28, 359-370.	9.7	215
2	Mlh1-Mlh3, a Meiotic Crossover and DNA Mismatch Repair Factor, Is a Msh2-Msh3-stimulated Endonuclease. Journal of Biological Chemistry, 2014, 289, 5664-5673.	3.4	124
3	Broad Overexpression of Ribonucleotide Reductase Genes in Mice Specifically Induces Lung Neoplasms. Cancer Research, 2008, 68, 2652-2660.	0.9	83
4	Mismatch Repair Factor MSH2-MSH3 Binds and Alters the Conformation of Branched DNA Structures Predicted to form During Genetic Recombination. Journal of Molecular Biology, 2006, 360, 523-536.	4.2	78
5	The mismatch repair and meiotic recombination endonuclease Mlh1-Mlh3 is activated by polymer formation and can cleave DNA substrates in trans. PLoS Biology, 2017, 15, e2001164.	5.6	63
6	The DNA Binding Domains of P1 ParB and the Architecture of the P1 Plasmid Partition Complex. Journal of Biological Chemistry, 2001, 276, 12385-12394.	3.4	59
7	P1 ParB Domain Structure Includes Two Independent Multimerization Domains. Journal of Bacteriology, 1999, 181, 5898-5908.	2.2	58
8	Detection of High-Affinity and Sliding Clamp Modes for MSH2-MSH6 by Single-Molecule Unzipping Force Analysis. Molecular Cell, 2005, 20, 771-781.	9.7	53
9	Stoichiometry of P1 Plasmid Partition Complexes. Journal of Biological Chemistry, 2000, 275, 8213-8219.	3.4	50
10	Plasmid and Chromosome Traffic Control: How ParA and ParB Drive Partition. Current Topics in Developmental Biology, 2003, 56, 145-180.	2.2	50
11	Saccharomyces cerevisiae MSH2â€“MSH3 and MSH2â€“MSH6 Complexes Display Distinct Requirements for DNA Binding Domain I in Mismatch Recognition. Journal of Molecular Biology, 2007, 366, 53-66.	4.2	46
12	Dynamic DNA binding licenses a repair factor to bypass roadblocks in search of DNA lesions. Nature Communications, 2016, 7, 10607.	12.8	44
13	Msh2-Msh3 Interferes with Okazaki Fragment Processing to Promote Trinucleotide Repeat Expansions. Cell Reports, 2012, 2, 216-222.	6.4	40
14	Role of Saw1 in Rad1/Rad10 complex assembly at recombination intermediates in budding yeast. EMBO Journal, 2013, 32, 461-472.	7.8	34
15	mlh3 mutations in bakerâ€™s yeast alter meiotic recombination outcomes by increasing noncrossover events genome-wide. PLoS Genetics, 2017, 13, e1006974.	3.5	32
16	<i>MSH3</i> Promotes Dynamic Behavior of Trinucleotide Repeat Tracts <i>In Vivo</i>. Genetics, 2015, 200, 737-754.	2.9	29
17	Multiple Factors Insulate Msh2â€“Msh6 Mismatch Repair Activity from Defects in Msh2 Domain I. Journal of Molecular Biology, 2011, 411, 765-780.	4.2	19
18	ATP binding and hydrolysis by Saccharomyces cerevisiae Msh2â€“Msh3 are differentially modulated by mismatch and double-strand break repair DNA substrates. DNA Repair, 2014, 18, 18-30.	2.8	13

#	Article	IF	Citations
19	Distinct roles of XPF-ERCC1 and Rad1-Rad10-Saw1 in replication-coupled and uncoupled inter-strand crosslink repair. Nature Communications, 2018, 9, 2025.	12.8	13
20	Distinct Requirements within the Msh3 Nucleotide Binding Pocket for Mismatch and Double-Strand Break Repair. Journal of Molecular Biology, 2013, 425, 1881-1898.	4.2	12
21	Coordination of Rad1â€“Rad10 interactions with Msh2â€“Msh3, Saw1 and RPA is essential for functional 3â€² non-homologous tail removal. Nucleic Acids Research, 2018, 46, 5075-5096.	14.5	10
22	Complex mutation profiles in mismatch repair and ribonucleotide reductase mutants reveal novel repair substrate specificity of MutS homolog (MSH) complexes. Genetics, 2022, 221, .	2.9	7
23	Replication Factors License Exonuclease I in Mismatch Repair. Molecular Cell, 2004, 15, 164-166.	9.7	6
24	Extracting and Measuring dNTP Pools in Saccharomyces cerevisiae. Methods in Molecular Biology, 2019, 1999, 103-127.	0.9	4
25	A selection-based next generation sequencing approach to develop robust, genotype-specific mutation profiles in Saccharomyces cerevisiae. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	4
26	Large-scale production of recombinant Saw1 in Escherichia coli. Protein Expression and Purification, 2017, 133, 75-80.	1.3	3
27	Measuring Dynamic Behavior of Trinucleotide Repeat Tracts In Vivo in Saccharomyces cerevisiae. Methods in Molecular Biology, 2018, 1672, 439-470.	0.9	2
28	Tracking Expansions of Stable and Threshold Length Trinucleotide Repeat Tracts In Vivo and In Vitro Using Saccharomyces cerevisiae. Methods in Molecular Biology, 2020, 2056, 25-68.	0.9	2
29	Microscopic Communities: Interdisciplinary Exploration of Microbes in the Classroom ^{â€}. Journal of Microbiology and Biology Education, 2021, 22, .	1.0	0