Serge Gangloff

List of Publications by Year
in descending order

20 papers	2,067 citations	516215 16 h-index	794141 19 g-index
23 all docs	23 docs citations	23 times ranked	1568 citing authors

#	Article	IF	Citations
1	Homologous recombination is responsible for cell death in the absence of the Sgs1 and Srs2 helicases. Nature Genetics, 2000, 25, 192-194.	9.4	354
2	Alternate pathways involving Sgs1/Top3, Mus81/ Mms4, and Srs2 prevent formation of toxic recombination intermediates from single-stranded gaps created by DNA replication. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16887-16892.	3.3	294
3	Replication fork pausing and recombination or â€œgimme a breakâ€• Genes and Development, 2000, 14, 1-10.	2.7	279
4	The RecQ DNA Helicases in DNA Repair. Annual Review of Genetics, 2010, 44, 393-417.	3.2	265
5	A yeast mating-selection scheme for detection of protein â€“ protein interactions. Nucleic Acids Research, 1994, 22, 1778-1779.	6.5	125
6	The essential role of yeast topoisomerase III in meiosis depends on recombination. EMBO Journal, 1999, 18, 1701-1711.	3.5	120
7	The Srs2 Helicase Activity Is Stimulated by Rad51 Filaments on dsDNA: Implications for Crossover Incidence during Mitotic Recombination. Molecular Cell, 2008, 29, 243-254.	4.5	111
8	DNA Polymerase Î´ Is Preferentially Recruited during Homologous Recombination To Promote Heteroduplex DNA Extension. Molecular and Cellular Biology, 2008, 28, 1373-1382.	1.1	101
9	Mrc1 and Srs2 are major actors in the regulation of spontaneous crossover. EMBO Journal, 2006, 25, 2837-2846.	3.5	91
10	Mutations in Homologous Recombination Genes Rescue top3 Slow Growth in Saccharomyces cerevisiae. Genetics, 2002, 162, 647-662.	1.2	86
11	Srs2 mediates PCNA-SUMO-dependent inhibition of DNA repair synthesis. EMBO Journal, 2013, 32, 742-755.	3.5	67
12	Hyper-recombination and Bloom's syndrome: microbes again provide clues about cancer.. Genome Research, 1995, 5, 421-426.	2.4	40
13	Srs2 removes deadly recombination intermediates independently of its interaction with SUMO-modified PCNA. Nucleic Acids Research, 2008, 36, 4964-4974.	6.5	36
14	Stable interactions between DNA polymerase Î´ catalytic and structural subunits are essential for efficient DNA repair. DNA Repair, 2010, 9, 1098-1111.	1.3	28
15	Quiescence unveils a novel mutational force in fission yeast. ELife, 2017, 6, .	2.8	26
16	DNA repair and mutations during quiescence in yeast. FEMS Yeast Research, 2017, 17, .	1.1	19
17	The shuffling of a mortal coil. Nature Genetics, 1999, 22, 4-6.	9.4	13
18	Molecular signature of the imprintosome complex at the mating-type locus in fission yeast. Microbial Cell, 2018, 5, 169-183.	1.4	6

#	Article	IF	Citations
19	Nitrogen starvation reveals the mitotic potential of mutants in the S/MAPK pathways. Nature Communications, 2020, 11, 1973.	5.8	4
20	The quiescent X, the replicative Y and the Autosomes. , 0, 2, .		0