BÃ©nÃ©dicte Michel

List of Publications by Year
in descending order

33 papers	2,873 citations	257450 24 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	1910 citing authors

#	Article	IF	Citations
1	RuvAB Acts at Arrested Replication Forks. Cell, 1998, 95, 419-430.	28.9	523
2	Multiple pathways process stalled replication forks. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12783-12788.	7.1	305
3	After 30 Years of Study, the Bacterial SOS Response Still Surprises Us. PLoS Biology, 2005, 3, e255.	5.6	251
4	The helicases DinG, Rep and UvrD cooperate to promote replication across transcription units in vivo. EMBO Journal, 2010, 29, 145-157.	7.8	230
5	Recombination proteins and rescue of arrested replication forks. DNA Repair, 2007, 6, 967-980.	2.8	177
6	A fork-clearing role for UvrD. Molecular Microbiology, 2005, 57, 1664-1675.	2.5	125
7	RuvABC-dependent double-strand breaks in dnaBts mutants require RecA. Molecular Microbiology, 2000, 38, 565-574.	2.5	110
8	Replication Fork Reversal after Replicationâ€“Transcription Collision. PLoS Genetics, 2012, 8, e1002622.	3.5	102
9	Replication fork collapse at replication terminator sequences. EMBO Journal, 2002, 21, 3898-3907.	7.8	98
10	Replication Fork Breakage and Restart in Escherichia coli. Microbiology and Molecular Biology Reviews, 2018, 82, .	6.6	89
11	UvrD controls the access of recombination proteins to blocked replication forks. EMBO Journal, 2007, 26, 3804-3814.	7.8	87
12	Transcription-induced deletions in Escherichia coli plasmids. Molecular Microbiology, 1995, 17, 493-504.	2.5	66
13	Replication fork reversal in DNA polymerase III mutants of Escherichia coli: a role for the Î² clamp. Molecular Microbiology, 2002, 44, 1331-1339.	2.5	61
14	RuvAB is essential for replication forks reversal in certain replication mutants. EMBO Journal, 2006, 25, 596-604.	7.8	60
15	TheEscherichia coliUvrD helicase is essential for Tus removal during recombination-dependent replication restart fromTersites. Molecular Microbiology, 2006, 62, 382-396.	2.5	57
16	RNA polymerase mutations that facilitate replication progression in the <i>rep uvrD recF</i> mutant lacking two accessory replicative helicases. Molecular Microbiology, 2010, 77, 324-336.	2.5	54
17	Replication Restart in Bacteria. Journal of Bacteriology, 2017, 199, .	2.2	53
18	Replication restart in gyrB Escherichia coli mutants. Molecular Microbiology, 2003, 48, 845-854.	2.5	51

#	Article	IF	Citations
19	Homologous Recombinationâ€”Enzymes and Pathways. EcoSal Plus, 2012, 5, .	5.4	48
20	Primosome assembly requirement for replication restart in the Escherichia coli holDG10 replication mutant. Molecular Microbiology, 2002, 44, 783-792.	2.5	43
21	sbcB sbcC null mutations allow RecF-mediated repair of arrested replication forks in rep recBC mutants. Molecular Microbiology, 1999, 33, 846-857.	2.5	40
22	Broken replication forks trigger heritable DNA breaks in the terminus of a circular chromosome. PLoS Genetics, 2018, 14, e1007256.	3.5	36
23	Lethality of bypass polymerases in Escherichia coli cells with a defective clamp loader complex of DNA polymerase III. Molecular Microbiology, 2003, 50, 193-204.	2.5	31
24	Cells defective for replication restart undergo replication fork reversal. EMBO Reports, 2004, 5, 607-612.	4.5	29
25	ruvA Mutants That Resolve Holliday Junctions but Do Not Reverse Replication Forks. PLoS Genetics, 2008, 4, e1000012.	3.5	25
26	Division-induced DNA double strand breaks in the chromosome terminus region of Escherichia coli lacking RecBCD DNA repair enzyme. PLoS Genetics, 2017, 13, e1006895.	3.5	23
27	<i>ruvA</i> and <i>ruvB</i> mutants specifically impaired for replication fork reversal. Molecular Microbiology, 2008, 70, 537-548.	2.5	20
28	PriA Is Essential for Viability of the Escherichia coli Topoisomerase IV parE10 (Ts) Mutant. Journal of Bacteriology, 2004, 186, 1197-1199.	2.2	16
29	Formation of a Stable RuvA Protein Double Tetramer Is Required for Efficient Branch Migration in Vitro and for Replication Fork Reversal in Vivo. Journal of Biological Chemistry, 2011, 286, 22372-22383.	3.4	16
30	Are the SSB-Interacting Proteins RecO, RecG, PriA and the DnaB-Interacting Protein Rep Bound to Progressing Replication Forks in Escherichia coli?. PLoS ONE, 2015, 10, e0134892.	2.5	15
31	Mutations Affecting Potassium Import Restore the Viability of the Escherichia coli DNA Polymerase III holD Mutant. PLoS Genetics, 2016, 12, e1006114.	3.5	13
32	ssb Gene Duplication Restores the Viability of Î”holC and Î”holD Escherichia coli Mutants. PLoS Genetics, 2014, 10, e1004719.	3.5	10
33	The inactivation of <i>rfaP</i>, <i>rarA</i> or <i>sspA</i> gene improves the viability of the <i>Escherichia coli</i> DNA polymerase III <i>holD</i> mutant. Molecular Microbiology, 2017, 104, 1008-1026.	2.5	9