Fekret Osman

List of Publications by Year
in descending order

35 papers	2,072 citations	304602 22 h-index	360920 35 g-index
40 all docs	40 docs citations	40 times ranked	1633 citing authors

#	Article	IF	Citations
1	Generating Crossovers by Resolution of Nicked Holliday Junctions. Molecular Cell, 2003, 12, 761-774.	4.5	297
2	A Histone-Fold Complex and FANCM FormÂa Conserved DNA-Remodeling Complex to Maintain Genome Stability. Molecular Cell, 2010, 37, 865-878.	4.5	204
3	The FANCM Ortholog Fml1 Promotes Recombination at Stalled Replication Forks and Limits Crossing Over during DNA Double-Strand Break Repair. Molecular Cell, 2008, 32, 118-128.	4.5	140
4	Exploring the roles of Mus81-Eme1/Mms4 at perturbed replication forks. DNA Repair, 2007, 6, 1004-1017.	1.3	113
5	The F-Box DNA Helicase Fbh1 Prevents Rhp51-Dependent Recombination without Mediator Proteins. Molecular and Cellular Biology, 2005, 25, 8084-8096.	1.1	111
6	Cleavage of Model Replication Forks by Fission Yeast Mus81-Eme1 and Budding Yeast Mus81-Mms4. Journal of Biological Chemistry, 2003, 278, 6928-6935.	1.6	108
7	The Fission Yeast FANCM Ortholog Directs Non-Crossover Recombination During Meiosis. Science, 2012, 336, 1585-1588.	6.0	101
8	Replication fork blockage by RTS1 at an ectopic site promotes recombination in fission yeast. EMBO Journal, 2005, 24, 2011-2023.	3.5	95
9	DNA repair by a Rad22-Mus81-dependent pathway that is independent of Rhp51. Nucleic Acids Research, 2004, 32, 5570-5581.	6.5	84
10	Mus81 cleavage of Holliday junctions: a failsafe for processing meiotic recombination intermediates?. EMBO Journal, 2007, 26, 1891-1901.	3.5	81
11	Fbh1 Limits Rad51-Dependent Recombination at Blocked Replication Forks. Molecular and Cellular Biology, 2009, 29, 4742-4756.	1.1	63
12	The DNA helicase Pfh1 promotes fork merging at replication termination sites to ensure genome stability. Genes and Development, 2012, 26, 594-602.	2.7	60
13	The genetic control of spontaneous and UV-induced mitotic intrachromosomal recombination in the fission yeast Schizosaccharomyces pombe. Current Genetics, 2000, 38, 113-125.	0.8	59
14	Double-Strand Break-Induced Recombination in Eukaryotes. Progress in Molecular Biology and Translational Science, 1997, 58, 263-299.	1.9	51
15	Ultrafine anaphase bridges, broken DNA and illegitimate recombination induced by a replication fork barrier. Nucleic Acids Research, 2011, 39, 6568-6584.	6.5	51
16	Repair of UV damage in the fission yeast Schizosaccharomyces pombe. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2000, 451, 197-210.	0.4	50
17	Recombination occurs within minutes of replication blockage by RTS1 producing restarted forks that are prone to collapse. ELife, 2015, 4, e04539.	2.8	42
18	Double-Strand Break-Induced Mitotic Intrachromosomal Recombination in the Fission Yeast Schizosaccharomyces pombe. Genetics, 1996, 142, 341-357.	1.2	41

#	Article	IF	Citations
19	Factors affecting template switch recombination associated with restarted DNA replication. ELife, 2019, 8, .	2.8	40
20	A general role of the DNA glycosylase Nth1 in the abasic sites cleavage step of base excision repair in Schizosaccharomyces pombe. Nucleic Acids Research, 2004, 32, 5119-5125.	6.5	39
21	A new Schizosaccharomyces pombe base excision repair mutant, nth1, reveals overlapping pathways for repair of DNA base damage. Molecular Microbiology, 2003, 48, 465-480.	1.2	34
22	MHF1â€“2/CENP-S-X performs distinct roles in centromere metabolism and genetic recombination. Open Biology, 2013, 3, 130102.	1.5	28
23	Differential effects of caffeine on DNA damage and replication cell cycle checkpoints in the fission yeast Schizosaccharomyces pombe. Molecular Genetics and Genomics, 1998, 260, 319-334.	2.4	25
24	Rad51/Dmc1 paralogs and mediators oppose DNA helicases to limit hybrid DNA formation and promote crossovers during meiotic recombination. Nucleic Acids Research, 2014, 42, 13723-13735.	6.5	25
25	Slx8 Removes Pli1-Dependent Protein-SUMO Conjugates Including SUMOylated Topoisomerase I to Promote Genome Stability. PLoS ONE, 2013, 8, e71960.	1.1	16
26	Monitoring Homologous Recombination Following Replication Fork Perturbation in the Fission Yeast Schizosaccharomyces pombe. Methods in Molecular Biology, 2009, 521, 535-552.	0.4	16
27	Analysis of spontaneous and double-strand break-induced recombination in rad mutants of S. pombe. Mutation Research DNA Repair, 1996, 364, 147-160.	3.8	15
28	A failure of meiotic chromosome segregation in a fbh1Î" mutant correlates with persistent Rad51-DNA associations. Nucleic Acids Research, 2011, 39, 1718-1731.	6.5	14
29	Emerging roles for centromere-associated proteins in DNA repair and genetic recombination. Biochemical Society Transactions, 2013, 41, 1726-1730.	1.6	12
30	Efficient Second Strand Cleavage during Holliday Junction Resolution by RuvC Requires Both Increased Junction Flexibility and an Exposed 5â€² Phosphate. PLoS ONE, 2009, 4, e5347.	1.1	12
31	UV Irradiation Causes the Loss of Viable Mitotic Recombinants in Schizosaccharomyces pombe Cells Lacking the G2/M DNA Damage Checkpoint. Genetics, 2002, 160, 891-908.	1.2	11
32	The RecQ DNA helicase Rqh1 constrains Exonuclease 1-dependent recombination at stalled replication forks. Scientific Reports, 2016, 6, 22837.	1.6	10
33	Inter-Fork Strand Annealing causes genomic deletions during the termination of DNA replication. ELife, 2017, 6, .	2.8	10
34	The PCNA unloader Elg1 promotes recombination at collapsed replication forks in fission yeast. ELife, 2019, 8, .	2.8	8
35	The Fml1-MHF complex suppresses inter-fork strand annealing in fission yeast. ELife, 2019, 8, .	2.8	4