Karim Labib

List of Publications by Year
in descending order

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43 papers	4,711 citations	147801 31 h-index	254184 43 g-index
58 all docs	58 docs citations	58 times ranked	3637 citing authors

#	Article	IF	Citations
1	GINS maintains association of Cdc45 with MCM in replisome progression complexes at eukaryotic DNA replication forks. Nature Cell Biology, 2006, 8, 358-366.	10.3	696
2	Chromosome Duplication inSaccharomyces cerevisiae. Genetics, 2016, 203, 1027-1067.	2.9	323
3	How do Cdc7 and cyclin-dependent kinases trigger the initiation of chromosome replication in eukaryotic cells?. Genes and Development, 2010, 24, 1208-1219.	5.9	312
4	MINDY-1 Is a Member of an Evolutionarily Conserved and Structurally Distinct New Family of Deubiquitinating Enzymes. Molecular Cell, 2016, 63, 146-155.	9.7	297
5	Molecular anatomy and regulation of a stable replisome at a paused eukaryotic DNA replication fork. Genes and Development, 2005, 19, 1905-1919.	5.9	245
6	A key role for Ctf4 in coupling the MCM2-7 helicase to DNA polymerase Î± within the eukaryotic replisome. EMBO Journal, 2009, 28, 2992-3004.	7.8	238
7	Cdc48 and a ubiquitin ligase drive disassembly of the CMG helicase at the end of DNA replication. Science, 2014, 346, 1253596.	12.6	188
8	G1-phase and B-type cyclins exclude the DNA-replication factor Mcm4 from the nucleus. Nature Cell Biology, 1999, 1, 415-422.	10.3	187
9	A Ctf4 trimer couples the CMG helicase to DNA polymerase Î± in the eukaryotic replisome. Nature, 2014, 510, 293-297.	27.8	186
10	Eukaryotic Replisome Components Cooperate to Process Histones During Chromosome Replication. Cell Reports, 2013, 3, 892-904.	6.4	157
11	Replisome Stability at Defective DNA Replication Forks Is Independent of S Phase Checkpoint Kinases. Molecular Cell, 2012, 45, 696-704.	9.7	140
12	The Mcm2-Ctf4-PolÎ± Axis Facilitates Parental Histone H3-H4 Transfer to Lagging Strands. Molecular Cell, 2018, 72, 140-151.e3.	9.7	129
13	Distinct roles for Sld3 and GINS during establishment and progression of eukaryotic DNA replication forks. EMBO Journal, 2006, 25, 1753-1763.	7.8	124
14	Dpb2 Integrates the Leading-Strand DNA Polymerase into the Eukaryotic Replisome. Current Biology, 2013, 23, 543-552.	3.9	123
15	Mcm10 associates with the loaded DNA helicase at replication origins and defines a novel step in its activation. EMBO Journal, 2012, 31, 2195-2206.	7.8	116
16	Mitotic CDK Promotes Replisome Disassembly, Fork Breakage, and Complex DNA Rearrangements. Molecular Cell, 2019, 73, 915-929.e6.	9.7	110
17	Ctf4 Is a Hub in the Eukaryotic Replisome that Links Multiple CIP-Box Proteins to the CMG Helicase. Molecular Cell, 2016, 63, 385-396.	9.7	107
18	Surviving chromosome replication: the many roles of the S-phase checkpoint pathway. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3554-3561.	4.0	82

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19	CUL-2LRR-1 and UBXN-3 drive replisome disassembly during DNA replication termination andÂmitosis. Nature Cell Biology, 2017, 19, 468-479.	10.3	81
20	The Amino-Terminal TPR Domain of Dia2 Tethers SCFDia2 to the Replisome Progression Complex. Current Biology, 2009, 19, 1943-1949.	3.9	69
21	TRAIP drives replisome disassembly and mitotic DNA repair synthesis at sites of incomplete DNA replication. ELife, 2019, 8, .	6.0	57
22	Histone H2Aâ€H2B binding by Pol Î± in the eukaryotic replisome contributes to the maintenance of repressive chromatin. EMBO Journal, 2018, 37, .	7.8	55
23	Rapid Depletion of Budding Yeast Proteins by Fusion to a Heat-Inducible Degron. Science Signaling, 2004, 2004, pl8-pl8.	3.6	52
24	Identifying SARS-CoV-2 antiviral compounds by screening for small molecule inhibitors of Nsp3 papain-like protease. Biochemical Journal, 2021, 478, 2517-2531.	3.7	49
25	A conserved PolÏµ binding module in Ctf18-RFC is required for S-phase checkpoint activation downstream of Mec1. Nucleic Acids Research, 2015, 43, 8830-8838.	14.5	48
26	CMG helicase disassembly is controlled by replication fork DNA, replisome components and a ubiquitin threshold. ELife, 2020, 9, .	6.0	48
27	Identifying SARS-CoV-2 antiviral compounds by screening for small molecule inhibitors of Nsp5 main protease. Biochemical Journal, 2021, 478, 2499-2515.	3.7	46
28	Identifying SARS-CoV-2 antiviral compounds by screening for small molecule inhibitors of nsp15 endoribonuclease. Biochemical Journal, 2021, 478, 2465-2479.	3.7	43
29	A Conserved Motif in the C-terminal Tail of DNA Polymerase Î± Tethers Primase to the Eukaryotic Replisome. Journal of Biological Chemistry, 2012, 287, 23740-23747.	3.4	42
30	Identifying SARS-CoV-2 antiviral compounds by screening for small molecule inhibitors of Nsp14 RNA cap methyltransferase. Biochemical Journal, 2021, 478, 2481-2497.	3.7	39
31	Ufd1-Npl4 Recruit Cdc48 for Disassembly of Ubiquitylated CMG Helicase at the End of Chromosome Replication. Cell Reports, 2017, 18, 3033-3042.	6.4	38
32	Tethering of SCFDia2 to the Replisome Promotes Efficient Ubiquitylation and Disassembly of the CMG Helicase. Current Biology, 2015, 25, 2254-2259.	3.9	37
33	LEM-3 is a midbody-tethered DNA nuclease that resolves chromatin bridges during late mitosis. Nature Communications, 2018, 9, 728.	12.8	37
34	Identifying SARS-CoV-2 antiviral compounds by screening for small molecule inhibitors of nsp14/nsp10 exoribonuclease. Biochemical Journal, 2021, 478, 2445-2464.	3.7	32
35	Both Chromosome Decondensation and Condensation Are Dependent on DNA Replication in C.Âelegans Embryos. Cell Reports, 2015, 12, 405-417.	6.4	31
36	The Replisome-Coupled E3 Ubiquitin Ligase Rtt101Mms22 Counteracts Mrc1 Function to Tolerate Genotoxic Stress. PLoS Genetics, 2016, 12, e1005843.	3.5	29

#	Article	IF	Citations
37	CUL2^{LRR1}, TRAIP and p97 control CMG helicase disassembly in the mammalian cell cycle. EMBO Reports, 2021, 22, e52164.	4.5	25
38	TIMELESSâ€TIPIN and UBXNâ€3 promote replisome disassembly during DNA replication termination in Caenorhabditis elegans. EMBO Journal, 2021, 40, e108053.	7.8	23
39	Targeting the Genomeâ€Stability Hub Ctf4 by Stapledâ€Peptide Design. Angewandte Chemie - International Edition, 2017, 56, 12866-12872.	13.8	22
40	The conserved LEM-3/Ankle1 nuclease is involved in the combinatorial regulation of meiotic recombination repair and chromosome segregation in Caenorhabditis elegans. PLoS Genetics, 2018, 14, e1007453.	3.5	22
41	Spt5 histone binding activity preserves chromatin during transcription by RNA polymerase II. EMBO Journal, 2022, 41, e109783.	7.8	14
42	Reconstitution of human CMG helicase ubiquitylation by CUL2LRR1 and multiple E2 enzymes. Biochemical Journal, 2021, 478, 2825-2842.	3.7	4
43	Targeting the Genomeâ€Stability Hub Ctf4 by Stapledâ€Peptide Design. Angewandte Chemie, 2017, 129, 13046-13052.	2.0	2