Stephen P Bell

List of Publications by Year
in descending order

61 papers	13,429 citations	53660 45 h-index	133063 59 g-index
72 all docs	72 docs citations	72 times ranked	8609 citing authors

#	Article	IF	Citations
1	DDK regulates replication initiation by controlling the multiplicity of Cdc45-GINS binding to Mcm2-7. ELife, 2021, 10, .	2.8	23
2	A helicase-tethered ORC flip enables bidirectional helicase loading. ELife, 2021, 10, .	2.8	22
3	Initiation-specific alleles of the Cdc45 helicase-activating protein. PLoS ONE, 2019, 14, e0214426.	1.1	4
4	A conserved Mcm4 motif is required for Mcm2-7 double-hexamer formation and origin DNA unwinding. ELife, 2019, 8, .	2.8	23
5	Transcriptional repression of CDC6 and SLD2 during meiosis is associated with production of short heterogeneous RNA isoforms. Chromosoma, 2018, 127, 515-527.	1.0	3
6	Multiple kinases inhibit origin licensing and helicase activation to ensure reductive cell division during meiosis. ELife, 2018, 7, .	2.8	22
7	Mcm10 regulates DNA replication elongation by stimulating the CMG replicative helicase. Genes and Development, 2017, 31, 291-305.	2.7	103
8	Mechanism and timing of Mcm2â€“7 ring closure during DNA replication origin licensing. Nature Structural and Molecular Biology, 2017, 24, 309-315.	3.6	59
9	Replication originâ€“flanking roadblocks reveal origin-licensing dynamics and altered sequence dependence. Journal of Biological Chemistry, 2017, 292, 21417-21430.	1.6	18
10	Nucleosomes influence multiple steps during replication initiation. ELife, 2017, 6, .	2.8	58
11	Rethinking origin licensing. ELife, 2017, 6, .	2.8	12
12	Chromosome Duplication in<i>Saccharomyces cerevisiae</i>. Genetics, 2016, 203, 1027-1067.	1.2	323
13	The Dynamics of Eukaryotic Replication Initiation: Origin Specificity, Licensing, and Firing at the Single-Molecule Level. Molecular Cell, 2015, 58, 483-494.	4.5	80
14	Single-Molecule Studies of Origin Licensing Reveal Mechanisms Ensuring Bidirectional Helicase Loading. Cell, 2015, 161, 513-525.	13.5	172
15	Terminating the replisome. Science, 2014, 346, 418-419.	6.0	8
16	Multiple Functions for Mcm2â€“7 ATPase Motifs during Replication Initiation. Molecular Cell, 2014, 55, 655-665.	4.5	86
17	A conserved MCM single-stranded DNA binding element is essential for replication initiation. ELife, 2014, 3, e01993.	2.8	69
18	Helicase Loading at Chromosomal Origins of Replication. Cold Spring Harbor Perspectives in Biology, 2013, 5, a010124-a010124.	2.3	116

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19	Separation of DNA Replication from the Assembly of Break-Competent Meiotic Chromosomes. PLoS Genetics, 2012, 8, e1002643.	1.5	81
20	Multiple Cdt1 molecules act at each origin to load replication-competent Mcm2-7 helicases. EMBO Journal, 2011, 30, 4885-4896.	3.5	51
21	Eukaryotic Origin-Dependent DNA Replication InÂVitro Reveals Sequential Action of DDK and S-CDK Kinases. Cell, 2011, 146, 80-91.	13.5	276
22	CDK prevents Mcm2â€"7 helicase loading by inhibiting Cdt1 interaction with Orc6. Genes and Development, 2011, 25, 363-372.	2.7	87
23	In vitro helicase loading and ORC binding on replicative and nonâ€replicative ACSs. FASEB Journal, 2011, 25, .	0.2	0
24	Conserved nucleosome positioning defines replication origins. Genes and Development, 2010, 24, 748-753.	2.7	333
25	Dynamics of Pre-replicative Complex Assembly. Journal of Biological Chemistry, 2010, 285, 9437-9443.	1.6	57
26	Mec1 Is One of Multiple Kinases that Prime the Mcm2-7 Helicase for Phosphorylation by Cdc7. Molecular Cell, 2010, 40, 353-363.	4.5	155
27	Incorporation into the prereplicative complex activates the Mcm2â€"7 helicase for Cdc7â€"Dbf4 phosphorylation. Genes and Development, 2009, 23, 643-654.	2.7	115
28	Putting Two Heads Together to Unwind DNA. Cell, 2009, 139, 652-654.	13.5	14
29	Incorporation into the preâ€replication complex activates the Mcm2â€7 replicative DNA helicase for phosphorylation by the Sâ€phase kinase, Cdc7â€Dbf4. FASEB Journal, 2009, 23, 201.1.	0.2	0
30	Subunit Organization of Mcm2-7 and the Unequal Role of Active Sites in ATP Hydrolysis and Viability. Molecular and Cellular Biology, 2008, 28, 5865-5873.	1.1	104
31	Orc6 is required for dynamic recruitment of Cdt1 during repeated Mcm2â€"7 loading. Genes and Development, 2007, 21, 2897-2907.	2.7	115
32	Genomic profiling and expression studies reveal both positive and negative activities for the <i>Drosophila</i> Mybâ€"MuvB/dREAM complex in proliferating cells. Genes and Development, 2007, 21, 2880-2896.	2.7	132
33	Localized H3K36 methylation states define histone H4K16 acetylation during transcriptional elongation in Drosophila. EMBO Journal, 2007, 26, 4974-4984.	3.5	153
34	Mapping of Meiotic Single-Stranded DNA Reveals Double-Strand-Break Hotspots near Centromeres and Telomeres. Current Biology, 2007, 17, 2003-2012.	1.8	158
35	Sequential ATP Hydrolysis by Cdc6 and ORC Directs Loading of the Mcm2-7 Helicase. Molecular Cell, 2006, 21, 29-39.	4.5	245
36	Cell cycle execution point analysis of ORC function and characterization of the checkpoint response to ORC inactivation inSaccharomyces cerevisiae. Genes To Cells, 2006, 11, 557-573.	0.5	43

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37	Genome-wide Analysis of Re-replication Reveals Inhibitory Controls That Target Multiple Stages of Replication Initiation. Molecular Biology of the Cell, 2006, 17, 2415-2423.	0.9	37
38	A genomic view of eukaryotic DNA replication. Chromosome Research, 2005, 13, 309-326.	1.0	105
39	Coordination of replication and transcription along a Drosophila chromosome. Genes and Development, 2004, 18, 3094-3105.	2.7	271
40	Interaction of the S-phase cyclin Clb5 with an 'RXL' docking sequence in the initiator protein Orc6 provides an origin-localized replication control switch. Genes and Development, 2004, 18, 981-991.	2.7	124
41	Mapping Subunit Location on the Saccharomyces cerevisiae Origin Recognition Complex Free and Bound to DNA Using a Novel Nanoscale Biopointer. Journal of Biological Chemistry, 2004, 279, 36354-36362.	1.6	22
42	The histone modification pattern of active genes revealed through genome-wide chromatin analysis of a higher eukaryote. Genes and Development, 2004, 18, 1263-1271.	2.7	706
43	ATP Hydrolysis by ORC Catalyzes Reiterative Mcm2-7 Assembly at a Defined Origin of Replication. Molecular Cell, 2004, 16, 967-978.	4.5	211
44	The B2 element of the Saccharomyces cerevisiae ARS1 origin of replication requires specific sequences to facilitate pre-RC formation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 101-106.	3.3	83
45	The origin recognition complex: from simple origins to complex functions. Genes and Development, 2002, 16, 659-672.	2.7	251
46	Visualization of replication initiation and elongation in Drosophila. Journal of Cell Biology, 2002, 159, 225-236.	2.3	73
47	Cell-cycle control of the establishment of mating-type silencing in S. cerevisiae. Genes and Development, 2002, 16, 2935-2945.	2.7	81
48	DNA Replication in Eukaryotic Cells. Annual Review of Biochemistry, 2002, 71, 333-374.	5.0	1,589
49	Nucleosomes Positioned by ORC Facilitate the Initiation of DNA Replication. Molecular Cell, 2001, 7, 21-30.	4.5	248
50	Interactions between Two Catalytically Distinct MCM Subgroups Are Essential for Coordinated ATP Hydrolysis and DNA Replication. Molecular Cell, 2001, 8, 1093-1104.	4.5	176
51	Genome-Wide Distribution of ORC and MCM Proteins in S. cerevisiae: High-Resolution Mapping of Replication Origins. Science, 2001, 294, 2357-2360.	6.0	385
52	ATPase switches controlling DNA replication initiation. Current Opinion in Cell Biology, 2000, 12, 280-285.	2.6	104
53	Genome-Wide Location and Function of DNA Binding Proteins. Science, 2000, 290, 2306-2309.	6.0	1,826
54	Polymerases and the Replisome: Machines within Machines. Cell, 1998, 92, 295-305.	13.5	322

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55	INITIATION OF DNA REPLICATION IN EUKARYOTIC CELLS. Annual Review of Cell and Developmental Biology, 1997, 13, 293-332.	4.0	379
56	Coordinate Binding of ATP and Origin DNA Regulates the ATPase Activity of the Origin Recognition Complex. Cell, 1997, 88, 493-502.	13.5	229
57	Components and Dynamics of DNA Replication Complexes in S. cerevisiae: Redistribution of MCM Proteins and Cdc45p during S Phase. Cell, 1997, 91, 59-69.	13.5	714
58	The multidomain structure of Orc1 p reveals similarity to regulators of DNA replication and transcriptional silencing. Cell, 1995, 83, 563-568.	13.5	244
59	ATP-dependent recognition of eukaryotic origins of DNA replication by a multiprotein complex. Nature, 1992, 357, 128-134.	13.7	1,228
60	DNA Replication and the Cell Cycle. Novartis Foundation Symposium, 1992, 170, 147-160.	1.2	9
61	Nucleolar transcription factor hUBF contains a DNA-binding motif with homology to HMG proteins. Nature, 1990, 344, 830-836.	13.7	691