Stephen P Bell

List of Publications by Citations

60 papers	11,642 citations	43 h-index	72 g-index
72 ext. papers	12,673 ext. citations	17.6 avg, IF	6.33 L-index

#	Paper	IF	Citations
60	Genome-wide location and function of DNA binding proteins. *Science*, **2000**, 290, 2306-9	33.3	1679
59	DNA replication in eukaryotic cells. *Annual Review of Biochemistry*, **2002**, 71, 333-74	29.1	1411
58	ATP-dependent recognition of eukaryotic origins of DNA replication by a multiprotein complex. *Nature*, **1992**, 357, 128-34	50.4	1061
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	56.2	656
56	Nucleolar transcription factor hUBF contains a DNA-binding motif with homology to HMG proteins. *Nature*, **1990**, 344, 830-6	50.4	645
55	The histone modification pattern of active genes revealed through genome-wide chromatin analysis of a higher eukaryote. *Genes and Development*, **2004**, 18, 1263-71	12.6	606
54	Initiation of DNA replication in eukaryotic cells. *Annual Review of Cell and Developmental Biology*, **1997**, 13, 293-332	12.6	343
53	Genome-wide distribution of ORC and MCM proteins in S. cerevisiae: high-resolution mapping of replication origins. *Science*, **2001**, 294, 2357-60	33.3	342
52	Polymerases and the replisome: machines within machines. *Cell*, **1998**, 92, 295-305	56.2	281
51	Conserved nucleosome positioning defines replication origins. *Genes and Development*, **2010**, 24, 748-53	12.6	261
50	Coordination of replication and transcription along a Drosophila chromosome. *Genes and Development*, **2004**, 18, 3094-105	12.6	233
49	Eukaryotic origin-dependent DNA replication in vitro reveals sequential action of DDK and S-CDK kinases. *Cell*, **2011**, 146, 80-91	56.2	224
48	The origin recognition complex: from simple origins to complex functions. *Genes and Development*, **2002**, 16, 659-72	12.6	218
47	Sequential ATP hydrolysis by Cdc6 and ORC directs loading of the Mcm2-7 helicase. *Molecular Cell*, **2006**, 21, 29-39	17.6	216
46	The multidomain structure of Orc1p reveals similarity to regulators of DNA replication and transcriptional silencing. *Cell*, **1995**, 83, 563-8	56.2	216
45	Nucleosomes positioned by ORC facilitate the initiation of DNA replication. *Molecular Cell*, **2001**, 7, 21-30	17.6	213
44	Coordinate binding of ATP and origin DNA regulates the ATPase activity of the origin recognition complex. *Cell*, **1997**, 88, 493-502	56.2	212

43	Chromosome Duplication in Saccharomyces cerevisiae. *Genetics*, **2016**, 203, 1027-67	4	201
42	ATP hydrolysis by ORC catalyzes reiterative Mcm2-7 assembly at a defined origin of replication. *Molecular Cell*, **2004**, 16, 967-78	17.6	195
41	Interactions between two catalytically distinct MCM subgroups are essential for coordinated ATP hydrolysis and DNA replication. *Molecular Cell*, **2001**, 8, 1093-104	17.6	166
40	Mapping of meiotic single-stranded DNA reveals double-stranded-break hotspots near centromeres and telomeres. *Current Biology*, **2007**, 17, 2003-12	6.3	138
39	Localized H3K36 methylation states define histone H4K16 acetylation during transcriptional elongation in Drosophila. *EMBO Journal*, **2007**, 26, 4974-84	13	133
38	Mec1 is one of multiple kinases that prime the Mcm2-7 helicase for phosphorylation by Cdc7. *Molecular Cell*, **2010**, 40, 353-63	17.6	130
37	Single-molecule studies of origin licensing reveal mechanisms ensuring bidirectional helicase loading. *Cell*, **2015**, 161, 513-525	56.2	125
36	Genomic profiling and expression studies reveal both positive and negative activities for the Drosophila Myb MuvB/dREAM complex in proliferating cells. *Genes and Development*, **2007**, 21, 2880-96	12.6	119
35	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, 981-91	12.6	111
34	Orc6 is required for dynamic recruitment of Cdt1 during repeated Mcm2-7 loading. *Genes and Development*, **2007**, 21, 2897-907	12.6	101
33	ATPase switches controlling DNA replication initiation. *Current Opinion in Cell Biology*, **2000**, 12, 280-5	9	101
32	A genomic view of eukaryotic DNA replication. *Chromosome Research*, **2005**, 13, 309-26	4.4	95
31	Subunit organization of Mcm2-7 and the unequal role of active sites in ATP hydrolysis and viability. *Molecular and Cellular Biology*, **2008**, 28, 5865-73	4.8	91
30	Helicase loading at chromosomal origins of replication. *Cold Spring Harbor Perspectives in Biology*, **2013**, 5,	10.2	89
29	Incorporation into the prereplicative complex activates the Mcm2-7 helicase for Cdc7-Dbf4 phosphorylation. *Genes and Development*, **2009**, 23, 643-54	12.6	88
28	Cell-cycle control of the establishment of mating-type silencing in S. cerevisiae. *Genes and Development*, **2002**, 16, 2935-45	12.6	73
27	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, 101-6	11.5	70
26	CDK prevents Mcm2-7 helicase loading by inhibiting Cdt1 interaction with Orc6. *Genes and Development*, **2011**, 25, 363-72	12.6	67

25	Mcm10 regulates DNA replication elongation by stimulating the CMG replicative helicase. *Genes and Development*, **2017**, 31, 291-305	12.6	66
24	The dynamics of eukaryotic replication initiation: origin specificity, licensing, and firing at the single-molecule level. *Molecular Cell*, **2015**, 58, 483-94	17.6	66
23	Multiple functions for Mcm2-7 ATPase motifs during replication initiation. *Molecular Cell*, **2014**, 55, 655-65	17.6	66
22	Visualization of replication initiation and elongation in Drosophila. *Journal of Cell Biology*, **2002**, 159, 225-36	7.3	66
21	A conserved MCM single-stranded DNA binding element is essential for replication initiation. *ELife*, **2014**, 3, e01993	8.9	65
20	Separation of DNA replication from the assembly of break-competent meiotic chromosomes. *PLoS Genetics*, **2012**, 8, e1002643	6	56
19	Dynamics of pre-replicative complex assembly. *Journal of Biological Chemistry*, **2010**, 285, 9437-9443	5.4	52
18	Mechanism and timing of Mcm2-7 ring closure during DNA replication origin licensing. *Nature Structural and Molecular Biology*, **2017**, 24, 309-315	17.6	46
17	Multiple Cdt1 molecules act at each origin to load replication-competent Mcm2-7 helicases. *EMBO Journal*, **2011**, 30, 4885-96	13	43
16	Cell cycle execution point analysis of ORC function and characterization of the checkpoint response to ORC inactivation in Saccharomyces cerevisiae. *Genes To Cells*, **2006**, 11, 557-73	2.3	36
15	Nucleosomes influence multiple steps during replication initiation. *ELife*, **2017**, 6,	8.9	36
14	Genome-wide analysis of re-replication reveals inhibitory controls that target multiple stages of replication initiation. *Molecular Biology of the Cell*, **2006**, 17, 2415-23	3.5	32
13	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, 36354-62	5.4	21
12	Replication origin-flanking roadblocks reveal origin-licensing dynamics and altered sequence dependence. *Journal of Biological Chemistry*, **2017**, 292, 21417-21430	5.4	14
11	Multiple kinases inhibit origin licensing and helicase activation to ensure reductive cell division during meiosis. *ELife*, **2018**, 7,	8.9	13
10	A conserved Mcm4 motif is required for Mcm2-7 double-hexamer formation and origin DNA unwinding. *ELife*, **2019**, 8,	8.9	12
9	Putting two heads together to unwind DNA. *Cell*, **2009**, 139, 652-4	56.2	11
8	Rethinking origin licensing. *ELife*, **2017**, 6,	8.9	9

7	DNA Replication. Terminating the replisome. *Science*, **2014**, 346, 418-9	33.3	6
6	A helicase-tethered ORC flip enables bidirectional helicase loading. *ELife*, **2021**, 10,	8.9	4
5	DNA replication and the cell cycle. *Novartis Foundation Symposium*, **1992**, 170, 147-56; discussion 156-60		4
4	DDK regulates replication initiation by controlling the multiplicity of Cdc45-GINS binding to Mcm2-7. *ELife*, **2021**, 10,	8.9	4
3	Initiation-specific alleles of the Cdc45 helicase-activating protein. *PLoS ONE*, **2019**, 14, e0214426	3.7	3
2	Transcriptional repression of CDC6 and SLD2 during meiosis is associated with production of short heterogeneous RNA isoforms. *Chromosoma*, **2018**, 127, 515-527	2.8	1
1	Incorporation into the pre-replication complex activates the Mcm2-7 replicative DNA helicase for phosphorylation by the S-phase kinase, Cdc7-Dbf4. *FASEB Journal*, **2009**, 23, 201.1	0.9	