

# Stephen P Bell

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A helicase-tethered ORC flip enables bidirectional helicase loading. <i>ELife</i> , <b>2021</b> , 10,	8.9	4
59	DDK regulates replication initiation by controlling the multiplicity of Cdc45-GINS binding to Mcm2-7. <i>ELife</i> , <b>2021</b> , 10,	8.9	4
58	Initiation-specific alleles of the Cdc45 helicase-activating protein. <i>PLoS ONE</i> , <b>2019</b> , 14, e0214426	3.7	3
57	A conserved Mcm4 motif is required for Mcm2-7 double-hexamer formation and origin DNA unwinding. <i>ELife</i> , <b>2019</b> , 8,	8.9	12
56	Transcriptional repression of CDC6 and SLD2 during meiosis is associated with production of short heterogeneous RNA isoforms. <i>Chromosoma</i> , <b>2018</b> , 127, 515-527	2.8	1
55	Multiple kinases inhibit origin licensing and helicase activation to ensure reductive cell division during meiosis. <i>ELife</i> , <b>2018</b> , 7,	8.9	13
54	Mcm10 regulates DNA replication elongation by stimulating the CMG replicative helicase. <i>Genes and Development</i> , <b>2017</b> , 31, 291-305	12.6	66
53	Mechanism and timing of Mcm2-7 ring closure during DNA replication origin licensing. <i>Nature Structural and Molecular Biology</i> , <b>2017</b> , 24, 309-315	17.6	46
52	Replication origin-flanking roadblocks reveal origin-licensing dynamics and altered sequence dependence. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 21417-21430	5.4	14
51	Nucleosomes influence multiple steps during replication initiation. <i>ELife</i> , <b>2017</b> , 6,	8.9	36
50	Rethinking origin licensing. <i>ELife</i> , <b>2017</b> , 6,	8.9	9
49	Chromosome Duplication in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , <b>2016</b> , 203, 1027-67	4	201
48	The dynamics of eukaryotic replication initiation: origin specificity, licensing, and firing at the single-molecule level. <i>Molecular Cell</i> , <b>2015</b> , 58, 483-94	17.6	66
47	Single-molecule studies of origin licensing reveal mechanisms ensuring bidirectional helicase loading. <i>Cell</i> , <b>2015</b> , 161, 513-525	56.2	125
46	Multiple functions for Mcm2-7 ATPase motifs during replication initiation. <i>Molecular Cell</i> , <b>2014</b> , 55, 655-667	6.6	66
45	DNA Replication. Terminating the replisome. <i>Science</i> , <b>2014</b> , 346, 418-9	33.3	6
44	A conserved MCM single-stranded DNA binding element is essential for replication initiation. <i>ELife</i> , <b>2014</b> , 3, e01993	8.9	65

43	Helicase loading at chromosomal origins of replication. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2013</b> , 5,	10.2	89
42	Separation of DNA replication from the assembly of break-competent meiotic chromosomes. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002643	6	56
41	Multiple Cdt1 molecules act at each origin to load replication-competent Mcm2-7 helicases. <i>EMBO Journal</i> , <b>2011</b> , 30, 4885-96	13	43
40	Eukaryotic origin-dependent DNA replication in vitro reveals sequential action of DDK and S-CDK kinases. <i>Cell</i> , <b>2011</b> , 146, 80-91	56.2	224
39	CDK prevents Mcm2-7 helicase loading by inhibiting Cdt1 interaction with Orc6. <i>Genes and Development</i> , <b>2011</b> , 25, 363-72	12.6	67
38	Conserved nucleosome positioning defines replication origins. <i>Genes and Development</i> , <b>2010</b> , 24, 748-53	12.6	261
37	Dynamics of pre-replicative complex assembly. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 9437-9443	5.4	52
36	Mec1 is one of multiple kinases that prime the Mcm2-7 helicase for phosphorylation by Cdc7. <i>Molecular Cell</i> , <b>2010</b> , 40, 353-63	17.6	130
35	Incorporation into the prereplicative complex activates the Mcm2-7 helicase for Cdc7-Dbf4 phosphorylation. <i>Genes and Development</i> , <b>2009</b> , 23, 643-54	12.6	88
34	Putting two heads together to unwind DNA. <i>Cell</i> , <b>2009</b> , 139, 652-4	56.2	11
33	Incorporation into the pre-replication complex activates the Mcm2-7 replicative DNA helicase for phosphorylation by the S-phase kinase, Cdc7-Dbf4. <i>FASEB Journal</i> , <b>2009</b> , 23, 201.1	0.9	
32	Subunit organization of Mcm2-7 and the unequal role of active sites in ATP hydrolysis and viability. <i>Molecular and Cellular Biology</i> , <b>2008</b> , 28, 5865-73	4.8	91
31	Localized H3K36 methylation states define histone H4K16 acetylation during transcriptional elongation in <i>Drosophila</i> . <i>EMBO Journal</i> , <b>2007</b> , 26, 4974-84	13	133
30	Mapping of meiotic single-stranded DNA reveals double-stranded-break hotspots near centromeres and telomeres. <i>Current Biology</i> , <b>2007</b> , 17, 2003-12	6.3	138
29	Orc6 is required for dynamic recruitment of Cdt1 during repeated Mcm2-7 loading. <i>Genes and Development</i> , <b>2007</b> , 21, 2897-907	12.6	101
28	Genomic profiling and expression studies reveal both positive and negative activities for the <i>Drosophila</i> Myb MuvB/dREAM complex in proliferating cells. <i>Genes and Development</i> , <b>2007</b> , 21, 2880-96	12.6	119
27	Genome-wide analysis of re-replication reveals inhibitory controls that target multiple stages of replication initiation. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 2415-23	3.5	32
26	Sequential ATP hydrolysis by Cdc6 and ORC directs loading of the Mcm2-7 helicase. <i>Molecular Cell</i> , <b>2006</b> , 21, 29-39	17.6	216

25	Cell cycle execution point analysis of ORC function and characterization of the checkpoint response to ORC inactivation in <i>Saccharomyces cerevisiae</i> . <i>Genes To Cells</i> , <b>2006</b> , 11, 557-73	2.3	36
24	A genomic view of eukaryotic DNA replication. <i>Chromosome Research</i> , <b>2005</b> , 13, 309-26	4.4	95
23	Coordination of replication and transcription along a <i>Drosophila</i> chromosome. <i>Genes and Development</i> , <b>2004</b> , 18, 3094-105	12.6	233
22	Interaction of the S-phase cyclin Clb5 with an "RXL" docking sequence in the initiator protein Orc6 provides an origin-localized replication control switch. <i>Genes and Development</i> , <b>2004</b> , 18, 981-91	12.6	111
21	Mapping subunit location on the <i>Saccharomyces cerevisiae</i> origin recognition complex free and bound to DNA using a novel nanoscale biopointer. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 36354-62	5.4	21
20	The histone modification pattern of active genes revealed through genome-wide chromatin analysis of a higher eukaryote. <i>Genes and Development</i> , <b>2004</b> , 18, 1263-71	12.6	606
19	ATP hydrolysis by ORC catalyzes reiterative Mcm2-7 assembly at a defined origin of replication. <i>Molecular Cell</i> , <b>2004</b> , 16, 967-78	17.6	195
18	DNA replication in eukaryotic cells. <i>Annual Review of Biochemistry</i> , <b>2002</b> , 71, 333-74	29.1	1411
17	The B2 element of the <i>Saccharomyces cerevisiae</i> ARS1 origin of replication requires specific sequences to facilitate pre-RC formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 101-6	11.5	70
16	The origin recognition complex: from simple origins to complex functions. <i>Genes and Development</i> , <b>2002</b> , 16, 659-72	12.6	218
15	Visualization of replication initiation and elongation in <i>Drosophila</i> . <i>Journal of Cell Biology</i> , <b>2002</b> , 159, 225-36	7.3	66
14	Cell-cycle control of the establishment of mating-type silencing in <i>S. cerevisiae</i> . <i>Genes and Development</i> , <b>2002</b> , 16, 2935-45	12.6	73
13	Genome-wide distribution of ORC and MCM proteins in <i>S. cerevisiae</i> : high-resolution mapping of replication origins. <i>Science</i> , <b>2001</b> , 294, 2357-60	33.3	342
12	Nucleosomes positioned by ORC facilitate the initiation of DNA replication. <i>Molecular Cell</i> , <b>2001</b> , 7, 21-30	7.6	213
11	Interactions between two catalytically distinct MCM subgroups are essential for coordinated ATP hydrolysis and DNA replication. <i>Molecular Cell</i> , <b>2001</b> , 8, 1093-104	17.6	166
10	ATPase switches controlling DNA replication initiation. <i>Current Opinion in Cell Biology</i> , <b>2000</b> , 12, 280-5	9	101
9	Genome-wide location and function of DNA binding proteins. <i>Science</i> , <b>2000</b> , 290, 2306-9	33.3	1679
8	Polymerases and the replisome: machines within machines. <i>Cell</i> , <b>1998</b> , 92, 295-305	56.2	281

7	Initiation of DNA replication in eukaryotic cells. <i>Annual Review of Cell and Developmental Biology</i> , <b>1997</b> , 13, 293-332	12.6	343
6	Coordinate binding of ATP and origin DNA regulates the ATPase activity of the origin recognition complex. <i>Cell</i> , <b>1997</b> , 88, 493-502	56.2	212
5	Components and dynamics of DNA replication complexes in <i>S. cerevisiae</i> : redistribution of MCM proteins and Cdc45p during S phase. <i>Cell</i> , <b>1997</b> , 91, 59-69	56.2	656
4	The multidomain structure of Orc1p reveals similarity to regulators of DNA replication and transcriptional silencing. <i>Cell</i> , <b>1995</b> , 83, 563-8	56.2	216
3	ATP-dependent recognition of eukaryotic origins of DNA replication by a multiprotein complex. <i>Nature</i> , <b>1992</b> , 357, 128-34	50.4	1061
2	DNA replication and the cell cycle. <i>Novartis Foundation Symposium</i> , <b>1992</b> , 170, 147-56; discussion 156-60		4
1	Nucleolar transcription factor hUBF contains a DNA-binding motif with homology to HMG proteins. <i>Nature</i> , <b>1990</b> , 344, 830-6	50.4	645