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	Genome-Wide Location and Function of DNA Binding Proteins. Science, 2000, 290, 2306-2309.	6.0	1,826
2	DNA Replication in Eukaryotic Cells. Annual Review of Biochemistry, 2002, 71, 333-374.	5.0	1,589
3	ATP-dependent recognition of eukaryotic origins of DNA replication by a multiprotein complex. Nature, 1992, 357, 128-134.	13.7	1,228
4	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
5	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
6	Nucleolar transcription factor hUBF contains a DNA-binding motif with homology to HMG proteins. Nature, 1990, 344, 830-836.	13.7	691
7	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
8	INITIATION OF DNA REPLICATION IN EUKARYOTIC CELLS. Annual Review of Cell and Developmental Biology, 1997, 13, 293-332.	4.0	379
9	Conserved nucleosome positioning defines replication origins. Genes and Development, 2010, 24, 748-753.	2.7	333
10	Chromosome Duplication in<i>Saccharomyces cerevisiae</i>. Genetics, 2016, 203, 1027-1067.	1.2	323
11	Polymerases and the Replisome: Machines within Machines. Cell, 1998, 92, 295-305.	13.5	322
12	Eukaryotic Origin-Dependent DNA Replication InÂVitro Reveals Sequential Action of DDK and S-CDK Kinases. Cell, 2011, 146, 80-91.	13.5	276
13	Coordination of replication and transcription along a Drosophila chromosome. Genes and Development, 2004, 18, 3094-3105.	2.7	271
14	The origin recognition complex: from simple origins to complex functions. Genes and Development, 2002, 16, 659-672.	2.7	251
15	Nucleosomes Positioned by ORC Facilitate the Initiation of DNA Replication. Molecular Cell, 2001, 7, 21-30.	4.5	248
16	Sequential ATP Hydrolysis by Cdc6 and ORC Directs Loading of the Mcm2-7 Helicase. Molecular Cell, 2006, 21, 29-39.	4.5	245
17	The multidomain structure of Orc1 p reveals similarity to regulators of DNA replication and transcriptional silencing. Cell, 1995, 83, 563-568.	13.5	244
18	Coordinate Binding of ATP and Origin DNA Regulates the ATPase Activity of the Origin Recognition Complex. Cell, 1997, 88, 493-502.	13.5	229

#	ARTICLE	IF	CITATIONS
19	ATP Hydrolysis by ORC Catalyzes Reiterative Mcm2-7 Assembly at a Defined Origin of Replication. Molecular Cell, 2004, 16, 967-978.	4.5	211
20	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
21	Single-Molecule Studies of Origin Licensing Reveal Mechanisms Ensuring Bidirectional Helicase Loading. Cell, 2015, 161, 513-525.	13.5	172
22	Mapping of Meiotic Single-Stranded DNA Reveals Double-Strand-Break Hotspots near Centromeres and Telomeres. Current Biology, 2007, 17, 2003-2012.	1.8	158
23	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
24	Localized H3K36 methylation states define histone H4K16 acetylation during transcriptional elongation in Drosophila. EMBO Journal, 2007, 26, 4974-4984.	3.5	153
25	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
26	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
27	Helicase Loading at Chromosomal Origins of Replication. Cold Spring Harbor Perspectives in Biology, 2013, 5, a010124-a010124.	2.3	116
28	Orc6 is required for dynamic recruitment of Cdt1 during repeated Mcm2â€“7 loading. Genes and Development, 2007, 21, 2897-2907.	2.7	115
29	Incorporation into the prereplicative complex activates the Mcm2â€“7 helicase for Cdc7â€“Dbf4 phosphorylation. Genes and Development, 2009, 23, 643-654.	2.7	115
30	A genomic view of eukaryotic DNA replication. Chromosome Research, 2005, 13, 309-326.	1.0	105
31	ATPase switches controlling DNA replication initiation. Current Opinion in Cell Biology, 2000, 12, 280-285.	2.6	104
32	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
33	Mcm10 regulates DNA replication elongation by stimulating the CMG replicative helicase. Genes and Development, 2017, 31, 291-305.	2.7	103
34	CDK prevents Mcm2â€“7 helicase loading by inhibiting Cdt1 interaction with Orc6. Genes and Development, 2011, 25, 363-372.	2.7	87
35	Multiple Functions for Mcm2â€“7 ATPase Motifs during Replication Initiation. Molecular Cell, 2014, 55, 655-665.	4.5	86
36	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

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37	Cell-cycle control of the establishment of mating-type silencing in S. cerevisiae. Genes and Development, 2002, 16, 2935-2945.	2.7	81
38	Separation of DNA Replication from the Assembly of Break-Competent Meiotic Chromosomes. PLoS Genetics, 2012, 8, e1002643.	1.5	81
39	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
40	Visualization of replication initiation and elongation in Drosophila. Journal of Cell Biology, 2002, 159, 225-236.	2.3	73
41	A conserved MCM single-stranded DNA binding element is essential for replication initiation. ELife, 2014, 3, e01993.	2.8	69
42	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
43	Nucleosomes influence multiple steps during replication initiation. ELife, 2017, 6, .	2.8	58
44	Dynamics of Pre-replicative Complex Assembly. Journal of Biological Chemistry, 2010, 285, 9437-9443.	1.6	57
45	Multiple Cdt1 molecules act at each origin to load replication-competent Mcm2-7 helicases. EMBO Journal, 2011, 30, 4885-4896.	3.5	51
46	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
47	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
48	DDK regulates replication initiation by controlling the multiplicity of Cdc45-GINS binding to Mcm2-7. ELife, 2021, 10, .	2.8	23
49	A conserved Mcm4 motif is required for Mcm2-7 double-hexamer formation and origin DNA unwinding. ELife, 2019, 8, .	2.8	23
50	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
51	Multiple kinases inhibit origin licensing and helicase activation to ensure reductive cell division during meiosis. ELife, 2018, 7, .	2.8	22
52	A helicase-tethered ORC flip enables bidirectional helicase loading. ELife, 2021, 10, .	2.8	22
53	Replication originâ€“flanking roadblocks reveal origin-licensing dynamics and altered sequence dependence. Journal of Biological Chemistry, 2017, 292, 21417-21430.	1.6	18
54	Putting Two Heads Together to Unwind DNA. Cell, 2009, 139, 652-654.	13.5	14

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55	Rethinking origin licensing. ELife, 2017, 6, .	2.8	12
56	DNA Replication and the Cell Cycle. Novartis Foundation Symposium, 1992, 170, 147-160.	1.2	9
57	Terminating the replisome. Science, 2014, 346, 418-419.	6.0	8
58	Initiation-specific alleles of the Cdc45 helicase-activating protein. PLoS ONE, 2019, 14, e0214426.	1.1	4
59	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
60	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
61	In vitro helicase loading and ORC binding on replicative and nonâ€replicative ACSs. FASEB Journal, 2011, 25, .	0.2	0