Bruce Stillman

List of Publications by Year
in descending order

111	23,131	9786 73	24982 109
papers	citations	h-index	g-index

137	137	137	13436
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ATP-dependent recognition of eukaryotic origins of DNA replication by a multiprotein complex. Nature, 1992, 357, 128-134.	27.8	1,228
2	Chromatin Association of Human Origin Recognition Complex, Cdc6, and Minichromosome Maintenance Proteins during the Cell Cycle: Assembly of Prereplication Complexes in Late Mitosis. Molecular and Cellular Biology, 2000, 20, 8602-8612.	2.3	854
3	THE DNA REPLICATION FORK IN EUKARYOTIC CELLS. Annual Review of Biochemistry, 1998, 67, 721-751.	11.1	772
4	Purification and characterization of CAF-I, a human cell factor required for chromatin assembly during DNA replication in vitro. Cell, 1989, 58, 15-25.	28.9	652
5	A yeast chromosomal origin of DNA replication defined by multiple functional elements. Science, 1992, 255, 817-823.	12.6	619
6	Replication-Dependent Marking of DNA by PCNA Facilitates CAF-1-Coupled Inheritance of Chromatin. Cell, 1999, 96, 575-585.	28.9	610
7	Nucleosome Assembly by a Complex of CAF-1 and Acetylated Histones H3/H4. Cell, 1996, 87, 95-104.	28.9	575
8	Anatomy of a DNA replication fork revealed by reconstitution of SV40 DNA replication in vitro. Nature, 1994, 369, 207-212.	27.8	569
9	The Knockout Mouse Project. Nature Genetics, 2004, 36, 921-924.	21.4	556
10	Cell Cycle Control of DNA Replication. Science, 1996, 274, 1659-1663.	12.6	515
11	A double-hexameric MCM2-7 complex is loaded onto origin DNA during licensing of eukaryotic DNA replication. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20240-20245.	7.1	465
12	FASCIATA Genes for Chromatin Assembly Factor-1 in Arabidopsis Maintain the Cellular Organization of Apical Meristems. Cell, 2001, 104, 131-142.	28.9	446
13	Yeast origin recognition complex functions in transcription silencing and DNA replication. Science, 1993, 262, 1844-1849.	12.6	431
14	The p150 and p60 subunits of chromatin assemblyfactor I: A molecular link between newly synthesized histories and DNA replication. Cell, 1995, 81, 1105-1114.	28.9	361
15	Ultraviolet radiation sensitivity and reduction of telomeric silencing in Saccharomyces cerevisiae cells lacking chromatin assembly factor-I.. Genes and Development, 1997, 11, 345-357.	5.9	358
16	ORC and Cdc6p interact and determine the frequency of initiation of DNA replication in the genome. Cell, 1995, 81, 667-676.	28.9	355
17	Replication factors required for SV40 DNA replication in vitro. I. DNA structure-specific recognition of a primer-template junction by eukaryotic DNA polymerases and their accessory proteins. Journal of Biological Chemistry, 1991, 266, 1950-1960.	3.4	353
18	Deciphering Protein Kinase Specificity Through Large-Scale Analysis of Yeast Phosphorylation Site Motifs. Science Signaling, 2010, 3, ra12.	3.6	341

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19	Persistent initiation of DNA replication and chromatin-bound MCM proteins during the cell cycle in cdc6â€‰mutants. Genes and Development, 1997, 11, 3375-3386.	5.9	340
20	Nucleosomal DNA regulates the core-histone-binding subunit of the human Hat1 acetyltransferase. Current Biology, 1998, 8, 96-108.	3.9	316
21	Biochemical Characterization of DNA Damage Checkpoint Complexes: Clamp Loader and Clamp Complexes with Specificity for 5â€² Recessed DNA. PLoS Biology, 2003, 1, e33.	5.6	315
22	Replication factors required for SV40 DNA replication in vitro. I. DNA structure-specific recognition of a primer-template junction by eukaryotic DNA polymerases and their accessory proteins. Journal of Biological Chemistry, 1991, 266, 1950-60.	3.4	315
23	Formation of a Preinitiation Complex by S-phase Cyclin CDK-Dependent Loading of Cdc45p onto Chromatin. Science, 1998, 280, 593-596.	12.6	312
24	Human Origin Recognition Complex Large Subunit Is Degraded by Ubiquitin-Mediated Proteolysis after Initiation of DNA Replication. Molecular Cell, 2002, 9, 481-491.	9.7	305
25	Cdc7-Dbf4 Phosphorylates MCM Proteins via a Docking Site-Mediated Mechanism to Promote S Phase Progression. Molecular Cell, 2006, 24, 101-113.	9.7	302
26	Assembly of a Complex Containing Cdc45p, Replication Protein A, and Mcm2p at Replication Origins Controlled by S-Phase Cyclin-Dependent Kinases and Cdc7p-Dbf4p Kinase. Molecular and Cellular Biology, 2000, 20, 3086-3096.	2.3	301
27	A double-hexamer archaeal minichromosome maintenance protein is an ATP-dependent DNA helicase. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 1530-1535.	7.1	293
28	The Dbf4â€“Cdc7 kinase promotes S phase by alleviating an inhibitory activity in Mcm4. Nature, 2010, 463, 113-117.	27.8	288
29	Heterochromatin Dynamics in Mouse Cells. Molecular Cell, 1999, 4, 529-540.	9.7	280
30	Histone Acetyltransferase HBO1 Interacts with the ORC1 Subunit of the Human Initiator Protein. Journal of Biological Chemistry, 1999, 274, 23027-23034.	3.4	279
31	PCNA connects DNA replication to epigenetic inheritance in yeast. Nature, 2000, 408, 221-225.	27.8	273
32	Deregulation of cyclin E in human cells interferes with prereplication complex assembly. Journal of Cell Biology, 2004, 165, 789-800.	5.2	270
33	Stepwise assembly of chromatin during DNA replication in vitro.. EMBO Journal, 1991, 10, 971-980.	7.8	268
34	Characterization of the Five Replication Factor C Genes of Saccharomyces cerevisiae. Molecular and Cellular Biology, 1995, 15, 4661-4671.	2.3	267
35	Functions of replication factor C and proliferating-cell nuclear antigen: functional similarity of DNA polymerase accessory proteins from human cells and bacteriophage T4.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1023-1027.	7.1	263
36	Principles and Concepts of DNA Replication in Bacteria, Archaea, and Eukarya. Cold Spring Harbor Perspectives in Biology, 2013, 5, a010108-a010108.	5.5	262

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37	Chromatin assembly during SV40 DNA replication in vitro. Cell, 1986, 45, 555-565.	28.9	255
38	Bacterially Derived 400 nm Particles for Encapsulation and Cancer Cell Targeting of Chemotherapeutics. Cancer Cell, 2007, 11, 431-445.	16.8	255
39	Conserved Initiator Proteins in Eukaryotes. Science, 1995, 270, 1667-1671.	12.6	246
40	Purification of a cellular replication factor, RF-C, that is required for coordinated synthesis of leading and lagging strands during simian virus 40 DNA replication in vitro.. Molecular and Cellular Biology, 1989, 9, 609-619.	2.3	244
41	The multidomain structure of Orc1 p reveals similarity to regulators of DNA replication and transcriptional silencing. Cell, 1995, 83, 563-568.	28.9	244
42	Sequential treatment of drug-resistant tumors with targeted minicells containing siRNA or a cytotoxic drug. Nature Biotechnology, 2009, 27, 643-651.	17.5	241
43	Purification of a yeast protein that binds to origins of DNA replication and a transcriptional silencer.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 2120-2124.	7.1	238
44	Cdc7p-Dbf4p kinase binds to chromatin during S phase and is regulated by both the APC and the RAD53 checkpoint pathway. EMBO Journal, 1999, 18, 5334-5346.	7.8	238
45	Cdc6 is regulated by E2F and is essential for DNA replication in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 3603-3608.	7.1	237
46	Human Orc2 localizes to centrosomes, centromeres and heterochromatin during chromosome inheritance. EMBO Journal, 2004, 23, 2651-2663.	7.8	235
47	Chromatin assembly factor 1 is essential and couples chromatin assembly to DNA replication in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12183-12188.	7.1	229
48	The origin recognition complex in silencing, cell cycle progression, and DNA replication.. Molecular Biology of the Cell, 1995, 6, 741-756.	2.1	204
49	ATPase-dependent cooperative binding of ORC and Cdc6 to origin DNA. Nature Structural and Molecular Biology, 2005, 12, 965-971.	8.2	198
50	The origin recognition complex interacts with a bipartite DNA binding site within yeast replicators.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 2224-2228.	7.1	197
51	Orc6 Involved in DNA Replication, Chromosome Segregation, and Cytokinesis. Science, 2002, 297, 1026-1031.	12.6	197
52	Perpetuating the double helix: molecular machines at eukaryotic DNA replication origins. BioEssays, 2003, 25, 1158-1167.	2.5	179
53	The Cdc6p nucleotide-binding motif is required for loading Mcm proteins onto chromatin. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 441-446.	7.1	175
54	Yph1p, an ORC-Interacting Protein. Cell, 2002, 109, 835-848.	28.9	172

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55	Histone Modifications: Insights into Their Influence on Gene Expression. Cell, 2018, 175, 6-9.	28.9	159
56	CDC45, a Novel Yeast Gene That Functions with the Origin Recognition Complex and Mcm Proteins in Initiation of DNA Replication. Molecular and Cellular Biology, 1997, 17, 553-563.	2.3	157
57	Break-induced replication requires all essential DNA replication factors except those specific for pre-RC assembly. Genes and Development, 2010, 24, 1133-1144.	5.9	146
58	A human protein related to yeast Cdc6p. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 142-147.	7.1	145
59	Orc1 Controls Centriole and Centrosome Copy Number in Human Cells. Science, 2009, 323, 789-793.	12.6	133
60	Structural basis of Mcm2â€“7 replicative helicase loading by ORCâ€“Cdc6 and Cdt1. Nature Structural and Molecular Biology, 2017, 24, 316-324.	8.2	130
61	Human origin recognition complex is essential for HP1 binding to chromatin and heterochromatin organization. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15093-15098.	7.1	129
62	Origin recognition and the chromosome cycle. FEBS Letters, 2005, 579, 877-884.	2.8	124
63	Cryo-EM structure of a helicase loading intermediate containing ORCâ€“Cdc6â€“Cdt1â€“MCM2-7 bound to DNA. Nature Structural and Molecular Biology, 2013, 20, 944-951.	8.2	122
64	Constitutively high dNTP concentration inhibits cell cycle progression and the DNA damage checkpoint in yeast Saccharomyces cerevisiae. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1183-1188.	7.1	118
65	Purification of a Cellular Replication Factor, RF-C, That Is Required for Coordinated Synthesis of Leading and Lagging Strands during Simian Virus 40 DNA Replication In Vitro. Molecular and Cellular Biology, 1989, 9, 609-619.	2.3	118
66	Cdc6p modulates the structure and DNA binding activity of the origin recognition complex in vitro. Genes and Development, 2000, 14, 1631-1641.	5.9	108
67	DDX5 Regulates DNA Replication and Is Required for Cell Proliferation in a Subset of Breast Cancer Cells. Cancer Discovery, 2012, 2, 812-825.	9.4	102
68	Structural and mechanistic insights into Mcm2â€“7 double-hexamer assembly and function. Genes and Development, 2014, 28, 2291-2303.	5.9	96
69	The Elongator Complex Interacts with PCNA and Modulates Transcriptional Silencing and Sensitivity to DNA Damage Agents. PLoS Genetics, 2009, 5, e1000684.	3.5	95
70	The Orc4p and Orc5p Subunits of the Xenopus and Human Origin Recognition Complex Are Related to Orc1p and Cdc6p. Journal of Biological Chemistry, 1998, 273, 32421-32429.	3.4	87
71	Cdc6 ATPase Activity Regulates ORCÂ·Cdc6 Stability and the Selection of Specific DNA Sequences as Origins of DNA Replication. Journal of Biological Chemistry, 2007, 282, 11705-11714.	3.4	84
72	Opening of the Clamp. Cell, 2001, 106, 655-660.	28.9	82

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73	Cyclin-Dependent Kinase Inhibitor p21 Modulates the DNA Primer-Template Recognition Complex. Molecular and Cellular Biology, 1998, 18, 4177-4187.	2.3	78
74	ATP-dependent Assembly of the Human Origin Recognition Complex. Journal of Biological Chemistry, 2007, 282, 32370-32383.	3.4	77
75	Dynamics of pre-replication complex proteins during the cell division cycle. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 7-16.	4.0	76
76	Cryo-EM structure of Mcm2-7 double hexamer on DNA suggests a lagging-strand DNA extrusion model. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9529-E9538.	7.1	76
77	Reconstitution of Recombinant Human Replication Factor C (RFC) and Identification of an RFC Subcomplex Possessing DNA-dependent ATPase Activity. Journal of Biological Chemistry, 1998, 273, 5979-5987.	3.4	75
78	The N-terminal domains of histones H3 and H4 are not necessary for chromatin assembly factor-1-mediated nucleosome assembly onto replicated DNA in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 7766-7771.	7.1	73
79	Binding of cyclin-dependent kinases to ORC and Cdc6p regulates the chromosome replication cycle. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11211-11217.	7.1	73
80	The architecture of the DNA replication origin recognition complex in Saccharomyces cerevisiae. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10326-10331.	7.1	70
81	Transcriptional silencing and lamins. Nature, 1989, 342, 24-24.	27.8	65
82	Targeted Doxorubicin Delivery to Brain Tumors via Minicells: Proof of Principle Using Dogs with Spontaneously Occurring Tumors as a Model. PLoS ONE, 2016, 11, e0151832.	2.5	64
83	DNA Polymerases at the Replication Fork inÂEukaryotes. Molecular Cell, 2008, 30, 259-260.	9.7	63
84	A Common Telomeric Gene Silencing Assay Is Affected by Nucleotide Metabolism. Molecular Cell, 2011, 42, 127-136.	9.7	63
85	Meier-Gorlin syndrome mutations disrupt an Orc1 CDK inhibitory domain and cause centrosome reduplication. Genes and Development, 2012, 26, 1797-1810.	5.9	61
86	Cdc6-Induced Conformational Changes in ORC Bound to Origin DNA Revealed by Cryo-Electron Microscopy. Structure, 2012, 20, 534-544.	3.3	60
87	Domain within the helicase subunit Mcm4 integrates multiple kinase signals to control DNA replication initiation and fork progression. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1899-908.	7.1	55
88	Reconsidering DNA Polymerases at the Replication Fork in Eukaryotes. Molecular Cell, 2015, 59, 139-141.	9.7	50
89	Reversible suppression of an essential gene in adult mice using transgenic RNA interference. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7113-7118.	7.1	49
90	Cdc6p modulates the structure and DNA binding activity of the origin recognition complex in vitro. Genes and Development, 2000, 14, 1631-41.	5.9	47

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91	Structure of the active form of human origin recognition complex and its ATPase motor module. ELife, 2017, 6, .	6.0	44
92	The Origin Recognition Complex: A Biochemical and Structural View. Sub-Cellular Biochemistry, 2012, 62, 37-58.	2.4	42
93	Orc1 Binding to Mitotic Chromosomes Precedes Spatial Patterning during G1 Phase and Assembly of the Origin Recognition Complex in Human Cells. Journal of Biological Chemistry, 2015, 290, 12355-12369.	3.4	41
94	Structural mechanism of helicase loading onto replication origin DNA by ORC-Cdc6. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17747-17756.	7.1	41
95	Structural basis for origin recognition complex 1 protein-silence information regulator 1 protein interaction in epigenetic silencing. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8519-8524.	7.1	36
96	Multiple, short protein binding motifs in ORC1 and CDC6 control the initiation of DNA replication. Molecular Cell, 2021, 81, 1951-1969.e6.	9.7	33
97	Acquired Dependence of Acute Myeloid Leukemia on the DEAD-Box RNA Helicase DDX5. Cell Reports, 2014, 7, 1887-1899.	6.4	31
98	An Analysis of CAF-1-interacting Proteins Reveals Dynamic and Direct Interactions with the KU Complex and 14-3-3 Proteins. Journal of Biological Chemistry, 2011, 286, 10876-10887.	3.4	29
99	Deoxynucleoside triphosphate (dNTP) synthesis and destruction regulate the replication of both cell and virus genomes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14120-14121.	7.1	29
100	Concerted activities of Mcm4, Sld3, and Dbf4 in control of origin activation and DNA replication fork progression. Genome Research, 2016, 26, 315-330.	5.5	29
101	The structure of ORCâ€“Cdc6 on an origin DNA reveals the mechanism of ORC activation by the replication initiator Cdc6. Nature Communications, 2021, 12, 3883.	12.8	28
102	The dNTP triphosphohydrolase activity of SAMHD1 persists during S-phase when the enzyme is phosphorylated at T592. Cell Cycle, 2018, 17, 1102-1114.	2.6	27
103	Opposing roles for DNA replication initiator proteins ORC1 and CDC6 in control of Cyclin E gene transcription. ELife, 2016, 5, .	6.0	24
104	The dynamic nature of the human origin recognition complex revealed through five cryoEM structures. ELife, 2020, 9, .	6.0	20
105	Evolution of DNA replication origin specification and gene silencing mechanisms. Nature Communications, 2020, 11, 5175.	12.8	16
106	The human origin recognition complex is essential for pre-RC assembly, mitosis, and maintenance of nuclear structure. ELife, 2021, 10, .	6.0	14
107	A structural view of the initiators for chromosome replication. Current Opinion in Structural Biology, 2018, 53, 131-139.	5.7	13
108	The remarkable gymnastics of ORC. ELife, 2022, 11, .	6.0	10

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109	Immunoblotting Histones from Yeast Whole-Cell Protein Extracts. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot067116.	0.3	8
110	Structure and Function Studies of Replication Initiation Factors. , 2016, , 427-441.		0
111	Joseph F. Sambrook (1939â€“2019). Nature Structural and Molecular Biology, 2019, 26, 846-847.	8.2	0