

Katsuhiko Shirahige

List of Publications by Year in descending order

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193
papers

18,423
citations

11608

70
h-index

15683

125
g-index

207
all docs

207
docs citations

207
times ranked

19843
citing authors

#	ARTICLE	IF	CITATIONS
1	Cohesin mediates transcriptional insulation by CCCTC-binding factor. <i>Nature</i> , 2008, 451, 796-801.	13.7	1,050
2	S-phase checkpoint proteins Tof1 and Mrc1 form a stable replication-pausing complex. <i>Nature</i> , 2003, 424, 1078-1083.	13.7	614
3	Cohesin relocation from sites of chromosomal loading to places of convergent transcription. <i>Nature</i> , 2004, 430, 573-578.	13.7	544
4	HDAC8 mutations in Cornelia de Lange syndrome affect the cohesin acetylation cycle. <i>Nature</i> , 2012, 489, 313-317.	13.7	488
5	Postreplicative Recruitment of Cohesin to Double-Strand Breaks Is Required for DNA Repair. <i>Molecular Cell</i> , 2004, 16, 1003-1015.	4.5	473
6	Protein phosphatase 2A protects centromeric sister chromatid cohesion during meiosis I. <i>Nature</i> , 2006, 441, 53-61.	13.7	419
7	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. <i>Nature Genetics</i> , 2009, 41, 553-562.	9.4	408
8	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. <i>Cell</i> , 2016, 167, 1145-1149.	13.5	404
9	Regulation of DNA-replication origins during cell-cycle progression. <i>Nature</i> , 1998, 395, 618-621.	13.7	394
10	Recurrent mutations in multiple components of the cohesin complex in myeloid neoplasms. <i>Nature Genetics</i> , 2013, 45, 1232-1237.	9.4	334
11	Spo11-Accessory Proteins Link Double-Strand Break Sites to the Chromosome Axis in Early Meiotic Recombination. <i>Cell</i> , 2011, 146, 372-383.	13.5	330
12	Sororin Mediates Sister Chromatid Cohesion by Antagonizing Wapl. <i>Cell</i> , 2010, 143, 737-749.	13.5	325
13	Identification of <i>cis</i> -acting sites for condensin loading onto budding yeast chromosomes. <i>Genes and Development</i> , 2008, 22, 2215-2227.	2.7	302
14	Postreplicative Formation of Cohesion Is Required for Repair and Induced by a Single DNA Break. <i>Science</i> , 2007, 317, 242-245.	6.0	276
15	Evidence that Loading of Cohesin Onto Chromosomes Involves Opening of Its SMC Hinge. <i>Cell</i> , 2006, 127, 523-537.	13.5	271
16	Establishment of Sister Chromatid Cohesion at the <i>S. cerevisiae</i> Replication Fork. <i>Molecular Cell</i> , 2006, 23, 787-799.	4.5	268
17	PRDM14 Ensures Naive Pluripotency through Dual Regulation of Signaling and Epigenetic Pathways in Mouse Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2013, 12, 368-382.	5.2	266
18	Origin Association of Sld3, Sld7, and Cdc45 Proteins Is a Key Step for Determination of Origin-Firing Timing. <i>Current Biology</i> , 2011, 21, 2055-2063.	1.8	232

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19	The cyclic gene <i>Hes1</i> contributes to diverse differentiation responses of embryonic stem cells. <i>Genes and Development</i> , 2009, 23, 1870-1875.	2.7	226
20	Rif1 is a global regulator of timing of replication origin firing in fission yeast. <i>Genes and Development</i> , 2012, 26, 137-150.	2.7	218
21	A Mesodermal Factor, T, Specifies Mouse Germ Cell Fate by Directly Activating Germline Determinants. <i>Developmental Cell</i> , 2013, 27, 516-529.	3.1	206
22	The Replication Checkpoint Protects Fork Stability by Releasing Transcribed Genes from Nuclear Pores. <i>Cell</i> , 2011, 146, 233-246.	13.5	204
23	Budding Yeast Wpl1 (Rad61)-Pds5 Complex Counteracts Sister Chromatid Cohesion-Establishing Reaction. <i>Current Biology</i> , 2009, 19, 492-497.	1.8	200
24	Transcriptional Dysregulation in NIPBL and Cohesin Mutant Human Cells. <i>PLoS Biology</i> , 2009, 7, e1000119.	2.6	199
25	Chromosomal Association of the Smc5/6 Complex Reveals that It Functions in Differently Regulated Pathways. <i>Molecular Cell</i> , 2006, 22, 755-767.	4.5	197
26	Genome-wide function of THO/TREX in active genes prevents R-loop-dependent replication obstacles. <i>EMBO Journal</i> , 2011, 30, 3106-3119.	3.5	191
27	The maintenance of chromosome structure: positioning and functioning of SMC complexes. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 601-614.	16.1	191
28	Architectural roles of multiple chromatin insulators at the human apolipoprotein gene cluster. <i>EMBO Journal</i> , 2009, 28, 1234-1245.	3.5	185
29	Mrc1 and DNA Polymerase ϵ Function Together in Linking DNA Replication and the S Phase Checkpoint. <i>Molecular Cell</i> , 2008, 32, 106-117.	4.5	183
30	ATP Hydrolysis Is Required for Relocating Cohesin from Sites Occupied by Its Scc2/4 Loading Complex. <i>Current Biology</i> , 2011, 21, 12-24.	1.8	173
31	Monopolar Attachment of Sister Kinetochores at Meiosis I Requires Casein Kinase 1. <i>Cell</i> , 2006, 126, 1049-1064.	13.5	168
32	Quantitative Dynamics of Chromatin Remodeling during Germ Cell Specification from Mouse Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2015, 16, 517-532.	5.2	166
33	Genome-wide localization of pre-RC sites and identification of replication origins in fission yeast. <i>EMBO Journal</i> , 2007, 26, 1327-1339.	3.5	163
34	Eukaryotic Replisome Components Cooperate to Process Histones During Chromosome Replication. <i>Cell Reports</i> , 2013, 3, 892-904.	2.9	157
35	Receptor for activated C kinase 1 stimulates nascent polypeptide-dependent translation arrest. <i>EMBO Reports</i> , 2010, 11, 956-961.	2.0	151
36	An Smc3 Acetylation Cycle Is Essential for Establishment of Sister Chromatid Cohesion. <i>Molecular Cell</i> , 2010, 39, 689-699.	4.5	149

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37	The transcription factor ATF7 mediates lipopolysaccharide-induced epigenetic changes in macrophages involved in innate immunological memory. <i>Nature Immunology</i> , 2015, 16, 1034-1043.	7.0	149
38	A wave of nascent transcription on activated human genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18357-18361.	3.3	145
39	Replisome Stability at Defective DNA Replication Forks Is Independent of S Phase Checkpoint Kinases. <i>Molecular Cell</i> , 2012, 45, 696-704.	4.5	140
40	Kinetochores Coordinate Pericentromeric Cohesion and Early DNA Replication by Cdc7-Dbf4 Kinase Recruitment. <i>Molecular Cell</i> , 2013, 50, 661-674.	4.5	140
41	Rif1 binds to G quadruplexes and suppresses replication over long distances. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 889-897.	3.6	137
42	Rapid Discovery of Highly Potent and Selective Inhibitors of Histone Deacetylase 8 Using Click Chemistry to Generate Candidate Libraries. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9562-9575.	2.9	135
43	Top1- and Top2-mediated topological transitions at replication forks ensure fork progression and stability and prevent DNA damage checkpoint activation. <i>Genes and Development</i> , 2007, 21, 1921-1936.	2.7	134
44	Replication Termination at Eukaryotic Chromosomes Is Mediated by Top2 and Occurs at Genomic Loci Containing Pausing Elements. <i>Molecular Cell</i> , 2010, 39, 595-605.	4.5	131
45	Histone Variants Enriched in Oocytes Enhance Reprogramming to Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2014, 14, 217-227.	5.2	130
46	An In Vitro Human Liver Model by iPSC-Derived Parenchymal and Non-parenchymal Cells. <i>Stem Cell Reports</i> , 2017, 9, 490-498.	2.3	128
47	Csm3, Tof1, and Mrc1 Form a Heterotrimeric Mediator Complex That Associates with DNA Replication Forks. <i>Journal of Biological Chemistry</i> , 2009, 284, 34355-34365.	1.6	123
48	The efficiency and timing of initiation of replication of multiple replicons of <i>Saccharomyces cerevisiae</i> chromosome VI. <i>Genes To Cells</i> , 1997, 2, 655-665.	0.5	122
49	A chromatin integration labelling method enables epigenomic profiling with lower input. <i>Nature Cell Biology</i> , 2019, 21, 287-296.	4.6	121
50	Loss-of-function HDAC8 mutations cause a phenotypic spectrum of Cornelia de Lange syndrome-like features, ocular hypertelorism, large fontanelle and X-linked inheritance. <i>Human Molecular Genetics</i> , 2014, 23, 2888-2900.	1.4	120
51	The dynamics of genome replication using deep sequencing. <i>Nucleic Acids Research</i> , 2014, 42, e3-e3.	6.5	113
52	Rec8 Guides Canonical Spo11 Distribution along Yeast Meiotic Chromosomes. <i>Molecular Biology of the Cell</i> , 2009, 20, 3064-3076.	0.9	109
53	Germline gain-of-function mutations in AFF4 cause a developmental syndrome functionally linking the super elongation complex and cohesin. <i>Nature Genetics</i> , 2015, 47, 338-344.	9.4	109
54	Pds5 promotes and protects cohesin acetylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13020-13025.	3.3	108

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55	Recent advances in ChIP-seq analysis: from quality management to whole-genome annotation. <i>Briefings in Bioinformatics</i> , 2017, 18, bbw023.	3.2	107
56	Amyloid Precursor Protein Is a Primary Androgen Target Gene That Promotes Prostate Cancer Growth. <i>Cancer Research</i> , 2009, 69, 137-142.	0.4	105
57	MYU, a Target lncRNA for Wnt/c-Myc Signaling, Mediates Induction of CDK6 to Promote Cell Cycle Progression. <i>Cell Reports</i> , 2016, 16, 2554-2564.	2.9	102
58	Genome-Organizing Factors Top2 and Hmo1 Prevent Chromosome Fragility at Sites of S phase Transcription. <i>Cell</i> , 2009, 138, 870-884.	13.5	101
59	Balance between Distinct HP1 Family Proteins Controls Heterochromatin Assembly in Fission Yeast. <i>Molecular and Cellular Biology</i> , 2008, 28, 6973-6988.	1.1	100
60	Replication-Coupled PCNA Unloading by the Elg1 Complex Occurs Genome-wide and Requires Okazaki Fragment Ligation. <i>Cell Reports</i> , 2015, 12, 774-787.	2.9	100
61	Condensin targets and reduces unwound DNA structures associated with transcription in mitotic chromosome condensation. <i>Nature Communications</i> , 2015, 6, 7815.	5.8	100
62	Chromosome length influences replication-induced topological stress. <i>Nature</i> , 2011, 471, 392-396.	13.7	99
63	The Kinetochore Proteins Pcs1 and Mde4 and Heterochromatin Are Required to Prevent Merotelic Orientation. <i>Current Biology</i> , 2007, 17, 1190-1200.	1.8	98
64	Endogenous DNA replication stress results in expansion of dNTP pools and a mutator phenotype. <i>EMBO Journal</i> , 2012, 31, 895-907.	3.5	95
65	Spo13 Facilitates Monopolin Recruitment to Kinetochores and Regulates Maintenance of Centromeric Cohesion during Yeast Meiosis. <i>Current Biology</i> , 2004, 14, 2183-2196.	1.8	91
66	Meiotic cohesins modulate chromosome compaction during meiotic prophase in fission yeast. <i>Journal of Cell Biology</i> , 2006, 174, 499-508.	2.3	91
67	Inferring the choreography of parental genomes during fertilization from ultralarge-scale whole-transcriptome analysis. <i>Genes and Development</i> , 2013, 27, 2736-2748.	2.7	86
68	Reciprocal Association of the Budding Yeast ATM-Related Proteins Tel1 and Mec1 with Telomeres In Vivo. <i>Molecular Cell</i> , 2004, 14, 515-522.	4.5	82
69	Ctf4 coordinates the progression of helicase and DNA polymerase $\hat{\pm}$. <i>Genes To Cells</i> , 2009, 14, 807-820.	0.5	82
70	Functional annotation of chemical libraries across diverse biological processes. <i>Nature Chemical Biology</i> , 2017, 13, 982-993.	3.9	76
71	Esco1 Acetylates Cohesin via a Mechanism Different from That of Esco2. <i>Current Biology</i> , 2015, 25, 1694-1706.	1.8	74
72	A member of the YER057c/yjgf/Ulk114 family links isoleucine biosynthesis and intact mitochondria maintenance in <i>Saccharomyces cerevisiae</i> . <i>Genes To Cells</i> , 2001, 6, 507-517.	0.5	72

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73	DBTMEE: a database of transcriptome in mouse early embryos. <i>Nucleic Acids Research</i> , 2015, 43, D771-D776.	6.5	71
74	Assembly of Regulatory Factors on rRNA and Ribosomal Protein Genes in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2007, 27, 6686-6705.	1.1	69
75	A positively charged channel within the Smc1/Smc3 hinge required for sister chromatid cohesion. <i>EMBO Journal</i> , 2011, 30, 364-378.	3.5	69
76	Telomere-binding protein Taz1 controls global replication timing through its localization near late replication origins in fission yeast. <i>Genes and Development</i> , 2012, 26, 2050-2062.	2.7	68
77	<scp>DROMPA</scp>: easy handle peak calling and visualization software for the computational analysis and validation of ChIP-seq data. <i>Genes To Cells</i> , 2013, 18, 589-601.	0.5	67
78	Condensin-Dependent rDNA Decatenation Introduces a Temporal Pattern to Chromosome Segregation. <i>Current Biology</i> , 2008, 18, 1084-1089.	1.8	65
79	ARCN1 Mutations Cause a Recognizable Craniofacial Syndrome Due to COPI-Mediated Transport Defects. <i>American Journal of Human Genetics</i> , 2016, 99, 451-459.	2.6	65
80	DNMT3A R882 mutants interact with polycomb proteins to block haematopoietic stem and leukaemic cell differentiation. <i>Nature Communications</i> , 2016, 7, 10924.	5.8	64
81	Genome-wide expression analysis of NAP1 in <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 5-9.	1.0	62
82	Smc5/6-mediated regulation of replication progression contributes to chromosome assembly during mitosis in human cells. <i>Molecular Biology of the Cell</i> , 2014, 25, 302-317.	0.9	61
83	Genomic Approach for the Understanding of Dynamic Aspect of Chromosome Behavior. <i>Methods in Enzymology</i> , 2006, 409, 389-410.	0.4	60
84	The Direct Binding of Mrc1, a Checkpoint Mediator, to Mcm6, a Replication Helicase, Is Essential for the Replication Checkpoint against Methyl Methanesulfonate-Induced Stress. <i>Molecular and Cellular Biology</i> , 2009, 29, 5008-5019.	1.1	60
85	Sensory-Neuron Subtype-Specific Transcriptional Programs Controlling Dendrite Morphogenesis: Genome-wide Analysis of Abrupt and Knot/Collier. <i>Developmental Cell</i> , 2013, 27, 530-544.	3.1	60
86	The Chromosomal Association of the Smc5/6 Complex Depends on Cohesion and Predicts the Level of Sister Chromatid Entanglement. <i>PLoS Genetics</i> , 2014, 10, e1004680.	1.5	60
87	Design, Synthesis, and Biological Activity of NCC149 Derivatives as Histone Deacetylase-Selective Inhibitors. <i>ChemMedChem</i> , 2014, 9, 657-664.	1.6	59
88	Rad51 suppresses gross chromosomal rearrangement at centromere in <i>Schizosaccharomyces pombe</i> . <i>EMBO Journal</i> , 2008, 27, 3036-3046.	3.5	58
89	Nutrient-Regulated Antisense and Intragenic RNAs Modulate a Signal Transduction Pathway in Yeast. <i>PLoS Biology</i> , 2008, 6, e326.	2.6	57
90	A Direct Role for Cohesin in Gene Regulation and Ecdysone Response in <i>Drosophila</i> Salivary Glands. <i>Current Biology</i> , 2010, 20, 1787-1798.	1.8	57

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91	The HSF1- α -PARP1 complex facilitates DNA repair and promotes mammary tumorigenesis. <i>Nature Communications</i> , 2017, 8, 1638.	5.8	57
92	Tet2 and Tet3 in B cells are required to repress CD86 and prevent autoimmunity. <i>Nature Immunology</i> , 2020, 21, 950-961.	7.0	55
93	Cohesin Acetylation Promotes Sister Chromatid Cohesion Only in Association with the Replication Machinery. <i>Journal of Biological Chemistry</i> , 2012, 287, 34325-34336.	1.6	53
94	Mapping of histone-binding sites in histone replacement-completed spermatozoa. <i>Nature Communications</i> , 2018, 9, 3885.	5.8	53
95	Meiotic recombination-related DNA synthesis and its implications for cross-over and non-cross-over recombinant formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5965-5970.	3.3	52
96	ASBEL-TCF3 complex is required for the tumorigenicity of colorectal cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12739-12744.	3.3	52
97	ATF7-Dependent Epigenetic Changes Are Required for the Intergenerational Effect of a Paternal Low-Protein Diet. <i>Molecular Cell</i> , 2020, 78, 445-458.e6.	4.5	52
98	Combined Cohesin-RUNX1 Deficiency Synergistically Perturbs Chromatin Looping and Causes Myelodysplastic Syndromes. <i>Cancer Discovery</i> , 2020, 10, 836-853.	7.7	51
99	An integrated map of p53-binding sites and histone modification in the human ENCODE regions. <i>Genomics</i> , 2007, 89, 178-188.	1.3	50
100	The Prereplication Complex Recruits XEco2 to Chromatin to Promote Cohesin Acetylation in <i>Xenopus</i> Egg Extracts. <i>Current Biology</i> , 2012, 22, 977-988.	1.8	50
101	The Deubiquitinating Enzyme USP7 Regulates Androgen Receptor Activity by Modulating Its Binding to Chromatin. <i>Journal of Biological Chemistry</i> , 2015, 290, 21713-21723.	1.6	50
102	ATF1 Modulates the Heat Shock Response by Regulating the Stress-Inducible Heat Shock Factor 1 Transcription Complex. <i>Molecular and Cellular Biology</i> , 2015, 35, 11-25.	1.1	50
103	Cohesin Ubiquitylation and Mobilization Facilitate Stalled Replication Fork Dynamics. <i>Molecular Cell</i> , 2017, 68, 758-772.e4.	4.5	50
104	BRCA2 Coordinates the Activities of Cell-Cycle Kinases to Promote Genome Stability. <i>Cell Reports</i> , 2014, 7, 1547-1559.	2.9	49
105	DBTSS/DBKERO for integrated analysis of transcriptional regulation. <i>Nucleic Acids Research</i> , 2018, 46, D229-D238.	6.5	48
106	Molecular cloning, genetic characterization and DNA sequence analysis of the <i>recM</i> region of <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 1990, 18, 6771-6777.	6.5	46
107	During Replication Stress, Non-Smc Element 5 (Nse5) Is Required for Smc5/6 Protein Complex Functionality at Stalled Forks. <i>Journal of Biological Chemistry</i> , 2012, 287, 11374-11383.	1.6	46
108	Temporal and spatial regulation of eukaryotic DNA replication: From regulated initiation to genome-scale timing program. <i>Seminars in Cell and Developmental Biology</i> , 2014, 30, 110-120.	2.3	45

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109	MRG15-mediated tethering of PALB2 to unperturbed chromatin protects active genes from genotoxic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7671-7676.	3.3	45
110	The RSC chromatin-remodeling complex influences mitotic exit and adaptation to the spindle assembly checkpoint by controlling the Cdc14 phosphatase. <i>Journal of Cell Biology</i> , 2010, 191, 981-997.	2.3	44
111	Decreased cohesin in the brain leads to defective synapse development and anxiety-related behavior. <i>Journal of Experimental Medicine</i> , 2017, 214, 1431-1452.	4.2	44
112	Association of Human Origin Recognition Complex 1 with Chromatin DNA and Nuclease-resistant Nuclear Structures. <i>Journal of Biological Chemistry</i> , 2000, 275, 5904-5910.	1.6	43
113	A checkpoint control linking meiotic S phase and recombination initiation in fission yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5797-5801.	3.3	43
114	SCFDia2 regulates DNA replication forks during S-phase in budding yeast. <i>EMBO Journal</i> , 2009, 28, 3693-3705.	3.5	43
115	Rtt107 Is Required for Recruitment of the SMC5/6 Complex to DNA Double Strand Breaks. <i>Journal of Biological Chemistry</i> , 2011, 286, 26250-26257.	1.6	43
116	Displacement and re-accumulation of centromeric cohesin during transient pre-anaphase centromere splitting. <i>Chromosoma</i> , 2007, 116, 531-544.	1.0	42
117	Transcription-dependent cohesin repositioning rewires chromatin loops in cellular senescence. <i>Nature Communications</i> , 2020, 11, 6049.	5.8	42
118	Relationship between G+C content, ORF-length and mRNA concentration in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2003, 20, 703-711.	0.8	40
119	Assembly of Slx4 signaling complexes behind <sc>DNA</sc> replication forks. <i>EMBO Journal</i> , 2015, 34, 2182-2197.	3.5	40
120	Aging of spermatogonial stem cells by Jnk-mediated glycolysis activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16404-16409.	3.3	39
121	Involvement of RAD9 -Dependent Damage Checkpoint Control in Arrest of Cell Cycle, Induction of Cell Death, and Chromosome Instability Caused by Defects in Origin Recognition Complex in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2002, 1, 200-212.	3.4	37
122	Perturbation of the Activity of Replication Origin by Meiosis-specific Transcription. <i>Journal of Biological Chemistry</i> , 2007, 282, 4447-4452.	1.6	37
123	Abnormality in Initiation Program of DNA Replication Is Monitored by the Highly Repetitive rRNA Gene Array on Chromosome XII in Budding Yeast. <i>Molecular and Cellular Biology</i> , 2007, 27, 568-578.	1.1	34
124	Comprehensive epigenome characterization reveals diverse transcriptional regulation across human vascular endothelial cells. <i>Epigenetics and Chromatin</i> , 2019, 12, 77.	1.8	34
125	Genome-wide analysis of murine renal distal convoluted tubular cells for the target genes of mineralocorticoid receptor. <i>Biochemical and Biophysical Research Communications</i> , 2014, 445, 132-137.	1.0	33
126	Genome-wide expression analysis of genes affected by amino acid sensor Ssy1p in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 2002, 41, 63-72.	0.8	31

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127	Rtt101â€Mms1â€Mms22 coordinates replicationâ€coupled sister chromatid cohesion and nucleosome assembly. <i>EMBO Reports</i> , 2017, 18, 1294-1305.	2.0	31
128	Different requirements for the association of ATRâ€ATRIP and 9-1-1 to the stalled replication forks. <i>Gene</i> , 2006, 377, 88-95.	1.0	30
129	Inactivation of SMC2 shows a synergistic lethal response inMYCN-amplified neuroblastoma cells. <i>Cell Cycle</i> , 2014, 13, 1115-1131.	1.3	30
130	Condensin Relocalization from Centromeres to Chromosome Arms Promotes Top2 Recruitment during Anaphase. <i>Cell Reports</i> , 2015, 13, 2336-2344.	2.9	30
131	Temporal Regulation of ESCO2 Degradation by the MCM Complex, the CUL4-DDB1-VPRBP Complex, and the Anaphase-Promoting Complex. <i>Current Biology</i> , 2018, 28, 2665-2672.e5.	1.8	30
132	Budding yeast Rif1 binds to replication origins and protects <sc>DNA</sc> at blocked replication forks. <i>EMBO Reports</i> , 2018, 19, .	2.0	29
133	The novel lnc <sc>RNA</sc> <i><sc>CALIC</sc></i> upregulates <sc>AXL</sc> to promote colon cancer metastasis. <i>EMBO Reports</i> , 2019, 20, e47052.	2.0	29
134	Screening for candidate genes involved in tolerance to organic solvents in yeast. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 75-79.	1.7	28
135	Both Interaction Surfaces within Cohesin's Hinge Domain Are Essential for Its Stable Chromosomal Association. <i>Current Biology</i> , 2010, 20, 279-289.	1.8	28
136	Cohesin-dependent chromosome loop extrusion is limited by transcription and stalled replication forks. <i>Science Advances</i> , 2022, 8, .	4.7	28
137	Dimeric combinations of MafB, cFos and cjun control the apoptosis-survival balance in limb morphogenesis. <i>Development (Cambridge)</i> , 2014, 141, 2885-2894.	1.2	27
138	Progression of cell cycle monitored by dielectric spectroscopy and flow-cytometric analysis of DNA content. <i>Yeast</i> , 2000, 16, 1359-1363.	0.8	26
139	Chromatin determinants of the inner-centromere rely on replication factors with functions that impart cohesion. <i>Oncotarget</i> , 2016, 7, 67934-67947.	0.8	26
140	Genome-Wide Target Analyses of Otx2 Homeoprotein in Postnatal Cortex. <i>Frontiers in Neuroscience</i> , 2017, 11, 307.	1.4	25
141	Glucose-dependent cell size is regulated by a G protein-coupled receptor system in yeast <i>Saccharomyces cerevisiae</i> . <i>Genes To Cells</i> , 2005, 10, 193-206.	0.5	24
142	Dissecting the first and the second meiotic divisions using a marker-less drug-hypersensitive fission yeast. <i>Cell Cycle</i> , 2014, 13, 1327-1334.	1.3	23
143	Combined Loss of JMJD1A and JMJD1B Reveals Critical Roles for H3K9 Demethylation in the Maintenance of Embryonic Stem Cells and Early Embryogenesis. <i>Stem Cell Reports</i> , 2018, 10, 1340-1354.	2.3	23
144	Genome-wide DNA methylation analysis in cohesin mutant human cell lines. <i>Nucleic Acids Research</i> , 2010, 38, 5657-5671.	6.5	22

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145	Acetylation regulates monopolar attachment at multiple levels during meiosis I in fission yeast. <i>EMBO Reports</i> , 2011, 12, 1189-1195.	2.0	22
146	Yeast Pho85 kinase is required for proper gene expression during the diauxic shift. <i>Yeast</i> , 2004, 21, 903-918.	0.8	21
147	Importance of Pol β for Damage-Induced Cohesion Reveals Differential Regulation of Cohesion Establishment at the Break Site and Genome-Wide. <i>PLoS Genetics</i> , 2013, 9, e1003158.	1.5	21
148	Sensitive and robust assessment of ChIP-seq read distribution using a strand-shift profile. <i>Bioinformatics</i> , 2018, 34, 2356-2363.	1.8	21
149	A common molecular mechanism underlies the role of Mps1 in chromosome biorientation and the spindle assembly checkpoint. <i>EMBO Reports</i> , 2020, 21, e50257.	2.0	21
150	A DNA Polymerase δ Accessory Protein, Mcl1, Is Required for Propagation of Centromere Structures in Fission Yeast. <i>PLoS ONE</i> , 2008, 3, e2221.	1.1	20
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