Susan L Forsburg

List of Publications by Year
in descending order

98 papers	6,874 citations	134610 34 h-index	71088 80 g-index
141 all docs	141 docs citations	141 times ranked	6500 citing authors

#	Article	IF	Citations
1	Determinants of RPA megafoci localization to the nuclear periphery in response to replication stress. G3: Genes, Genomes, Genetics, 2022, , .	0.8	0
2	MonitoringSchizosaccharomyces pombegenome stress by visualizing end-binding protein Ku. Biology Open, 2021, 10, .	0.6	6
3	A visual atlas of meiotic protein dynamics in living fission yeast. Open Biology, 2021, 11, 200357.	1.5	1
4	Schizosaccharomyces pombe KAT5 contributes to resection and repair of a DNA double-strand break. Genetics, 2021, 218, .	1.2	0
5	Checkpoint Regulation of Nuclear Tos4 Defines S Phase Arrest in Fission Yeast. G3: Genes, Genomes, Genetics, 2020, 10, 255-266.	0.8	6
6	Translesion synthesis polymerases contribute to meiotic chromosome segregation and cohesin dynamics in S. pombe. Journal of Cell Science, 2020, 133, .	1.2	2
7	Active Replication Checkpoint Drives Genome Instability in Fission Yeast mcm4 Mutant. Molecular and Cellular Biology, 2020, 40, .	1.1	5
8	Examination of Mitotic and Meiotic Fission Yeast Nuclear Dynamics by Fluorescence Live-cell Microscopy. Journal of Visualized Experiments, 2019, , .	0.2	5
9	Overlapping Roles in Chromosome Segregation for Heterochromatin Protein 1 (Swi6) and DDK in Schizosaccharomyces pombe. Genetics, 2019, 212, 417-430.	1.2	4
10	Random Spore Analysis in Fission Yeast. Methods in Molecular Biology, 2018, 1721, 189-195.	0.4	6
11	Regulation of Structure-Specific Endonucleases in Replication Stress. Genes, 2018, 9, 634.	1.0	11
12	Tetrad Dissection in Fission Yeast. Methods in Molecular Biology, 2018, 1721, 179-187.	0.4	3
13	Destabilization of the replication fork protection complex disrupts meiotic chromosome segregation. Molecular Biology of the Cell, 2017, 28, 2978-2997.	0.9	9
14	Centromere Stability: The Replication Connection. Genes, 2017, 8, 37.	1.0	8
15	Characterization of a Novel MMS-Sensitive Allele of Schizosaccharomyces pombe mcm4+. G3: Genes, Genomes, Genetics, 2016, 6, 3049-3063.	0.8	6
16	Managing Single-Stranded DNA during Replication Stress in Fission Yeast. Biomolecules, 2015, 5, 2123-2139.	1.8	25
17	Replication stress in early S phase generates apparent micronuclei and chromosome rearrangement in fission yeast. Molecular Biology of the Cell, 2015, 26, 3439-3450.	0.9	30
18	Microscopy Techniques to Examine DNA Replication in Fission Yeast. Methods in Molecular Biology, 2015, 1300, 13-41.	0.4	15

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19	Measuring DNA Content by Flow Cytometry in Fission Yeast. Methods in Molecular Biology, 2015, 1300, 79-97.	0.4	18
20	Rapid regulation of nuclear proteins by rapamycinâ€induced translocation in fission yeast. Yeast, 2014, 31, 253-264.	0.8	22
21	Essential Domains ofSchizosaccharomyces pombeRad8 Required for DNA Damage Response. G3: Genes, Genomes, Genetics, 2014, 4, 1373-1384.	0.8	12
22	Increased Meiotic Crossovers and Reduced Genome Stability in Absence of Schizosaccharomyces pombe Rad16 (XPF). Genetics, 2014, 198, 1457-1472.	1.2	10
23	Automatic phenotyping of multi-channel Schizosaccharomyces pombe images. , 2014, , .		0
24	Replication Fork Stability Is Essential for the Maintenance of Centromere Integrity in the Absence of Heterochromatin. Cell Reports, 2013, 3, 638-645.	2.9	31
25	Robust cell segmentation for schizosaccharomyces pombe images with focus gradient. , 2013, , .		3
26	The C-terminus of S. pombe DDK subunit Dfp1 is required for meiosis-specific transcription and cohesin cleavage. Biology Open, 2013, 2, 728-738.	0.6	21
27	A Mammalian-Like DNA Damage Response of Fission Yeast to Nucleoside Analogs. Genetics, 2013, 193, 143-157.	1.2	12
28	The CINs of the centromere. Biochemical Society Transactions, 2013, 41, 1706-1711.	1.6	7
29	Mini-chromosome maintenance complexes form a filament to remodel DNA structure and topology. Nucleic Acids Research, 2013, 41, 3446-3456.	6.5	26
30	Mutations Disrupting Histone Methylation Have Different Effects on Replication Timing in S. pombe Centromere. PLoS ONE, 2013, 8, e61464.	1.1	5
31	PombeX: Robust Cell Segmentation for Fission Yeast Transillumination Images. PLoS ONE, 2013, 8, e81434.	1.1	17
32	Simultaneous Segmentation of Cell and Nucleus in Schizosaccharomyces pombe Images with Focus Gradient. , 2012, , .		0
33	Continued DNA Synthesis in Replication Checkpoint Mutants Leads to Fork Collapse. Molecular and Cellular Biology, 2012, 32, 4986-4997.	1.1	51
34	S. pombereplication protein Cdc18 (Cdc6) interacts with Swi6 (HP1) heterochromatin protein. Cell Cycle, 2011, 10, 323-336.	1.3	29
35	Schizosaccharomyces pombe Minichromosome Maintenance-binding Protein (MCM-BP) Antagonizes MCM Helicase. Journal of Biological Chemistry, 2011, 286, 32918-32930.	1.6	21
36	Expression profiling of S. pombe acetyltransferase mutants identifies redundant pathways of gene regulation. BMC Genomics, 2010, 11, 59.	1.2	46

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37	Fission Yeast Hsk1 (Cdc7) Kinase Is Required After Replication Initiation for Induced Mutagenesis and Proper Response to DNA Alkylation Damage. Genetics, 2010, 185, 39-53.	1.2	17
38	Molecular Genetics of Schizosaccharomyces pombe. Methods in Enzymology, 2010, 470, 759-795.	0.4	147
39	Regulation of Replication Termination by Reb1 Protein-Mediated Action at a Distance. Cell, 2010, 142, 868-878.	13.5	29
40	Cell-Cycle Synchrony for Analysis of S. pombe DNA Replication. Methods in Molecular Biology, 2009, 521, 437-448.	0.4	11
41	Measuring DNA Content by Flow Cytometry in Fission Yeast. Methods in Molecular Biology, 2009, 521, 449-461.	0.4	41
42	Microscopy Techniques to Examine DNA Replication in Fission Yeast. Methods in Molecular Biology, 2009, 521, 463-482.	0.4	15
43	Minichromosome Maintenance Proteins Interact with Checkpoint and Recombination Proteins To Promote S-Phase Genome Stability. Molecular and Cellular Biology, 2008, 28, 1724-1738.	1.1	72
44	Schizosaccharomyces pombe Histone Acetyltransferase Mst1 (KAT5) Is an Essential Protein Required for Damage Response and Chromosome Segregation. Genetics, 2008, 179, 757-771.	1.2	30
45	The MCM helicase: linking checkpoints to the replication fork. Biochemical Society Transactions, 2008, 36, 114-119.	1.6	34
46	Schizosaccharomyces pombeRad4/Cut5 Protein Modification and Chromatin Binding Changes in DNA Damage. DNA and Cell Biology, 2007, 26, 565-575.	0.9	3
47	From DNA Replication to Genome Instability in Schizosaccharomyces Pombe: Pathways to Cancer. , 2007, , 1-35.		0
48	Eukaryotic DNA Replication in a Chromatin Context. Current Topics in Developmental Biology, 2006, 76, 129-184.	1.0	46
49	Basic methods for fission yeast. Yeast, 2006, 23, 173-183.	0.8	457
50	Bioactive steroidal glycosides from the marine sponge Erylus lendenfeldi. Tetrahedron, 2005, 61, 1199-1206.	1.0	22
51	Conserved Locus-Specific Silencing Functions of Schizosaccharomyces pombe sir2+. Genetics, 2005, 169, 1243-1260.	1.2	56
52	Meiotic S-Phase Damage Activates Recombination without Checkpoint Arrest. Molecular Biology of the Cell, 2005, 16, 1651-1660.	0.9	25
53	Schizosaccharomyces pombe mst2+ Encodes a MYST Family Histone Acetyltransferase That Negatively Regulates Telomere Silencing. Molecular and Cellular Biology, 2005, 25, 8887-8903.	1.1	47
54	A Screen for Schizosaccharomyces pombe Mutants Defective in Rereplication Identifies New Alleles of rad4+, cut9+ and psf2+. Genetics, 2005, 169, 77-89.	1.2	18

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55	Suppressors of Bir1p (Survivin) Identify Roles for the Chromosomal Passenger Protein Pic1p (INCENP) and the Replication Initiation Factor Psf2p in Chromosome Segregation. Molecular and Cellular Biology, 2005, 25, 9000-9015.	1.1	44
56	The yeasts Saccharomyces cerevisiae and Schizosaccharomyces pombe: models for cell biology research. Gravitational and Space Biology Bulletin: Publication of the American Society for Gravitational and Space Biology, 2005, 18, 3-9.	1.0	19
57	Analysis of the Fission Yeast Schizosaccharomyces pombe Cell Cycle. , 2004, 241, 93-112.		18
58	Eukaryotic MCM Proteins: Beyond Replication Initiation. Microbiology and Molecular Biology Reviews, 2004, 68, 109-131.	2.9	456
59	Schizosaccharomyces pombe replication protein Cdc45/Sna41 requires Hsk1/Cdc7 and Rad4/Cut5 for chromatin binding. Chromosoma, 2004, 113, 145-56.	1.0	24
60	MCM proteins: DNA damage, mutagenesis and repair. Current Opinion in Genetics and Development, 2004, 14, 17-21.	1.5	114
61	Choosing and using Schizosaccharomyces pombe plasmids. Methods, 2004, 33, 189-198.	1.9	64
62	Ibp1p, a novel Cdc25-related phosphatase, suppresses Schizosaccharomyces pombe hsk1 (cdc7). Current Genetics, 2003, 44, 38-48.	0.8	6
63	Hsk1â€“Dfp1 is required for heterochromatin-mediated cohesion at centromeres. Nature Cell Biology, 2003, 5, 1111-1116.	4.6	106
64	Efficient labeling of fission yeast Schizosaccharomyces pombe with thymidine and BUdR. Nucleic Acids Research, 2003, 31, 134e-134.	6.5	53
65	S. pombe Strain Maintenance and Media. Current Protocols in Molecular Biology, 2003, 64, Unit 13.15.	2.9	10
66	Growth and Manipulation of S. pombe. Current Protocols in Molecular Biology, 2003, 64, Unit 13.16.	2.9	13
67	Overview of Schizosaccharomyces pombe. Current Protocols in Molecular Biology, 2003, 64, Unit 13.14.	2.9	5
68	Schizosaccharomyces pombeRdh54 (TID1) Acts with Rhp54 (RAD54) to Repair Meiotic Double-Strand Breaks. Molecular Biology of the Cell, 2003, 14, 4707-4720.	0.9	50
69	Introduction of DNA into S. pombe Cells. Current Protocols in Molecular Biology, 2003, 64, Unit 13.17.	2.9	8
70	It's All in the Timing: Linking S Phase to Chromatin Structure and Chromosome Dynamics. Cell Cycle, 2003, 2, 302-305.	1.3	20
71	It's all in the timing: linking S phase to chromatin structure and chromosome dynamics. Cell Cycle, 2003, 2, 303-6.	1.3	8
72	TheSchizosaccharomyces pombeAuroraâ€“related Kinase Ark1 Interacts with the Inner Centromere Protein Pic1 and Mediates Chromosome Segregation and Cytokinesis. Molecular Biology of the Cell, 2002, 13, 1132-1143.	0.9	78

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73	RNAi hushes heterochromatin. Genome Biology, 2002, 3, reviews1035.1.	13.9	12
74	Only Connect. Molecular Cell, 2002, 9, 703-711.	4.5	32
75	The genome sequence of Schizosaccharomyces pombe. Nature, 2002, 415, 871-880.	13.7	1,508
76	Different Phenotypesin VivoAre Associated With ATPase Motif Mutations inSchizosaccharomyces pombeMinichromosome Maintenance Proteins. Genetics, 2002, 160, 1305-1318.	1.2	35
77	The art and design of genetic screens: yeast. Nature Reviews Genetics, 2001, 2, 659-668.	7.7	231
78	Deconstructing a Conserved Protein Family: The Role of MCM Proteins in Eukaryotic DNA Replication. , 2001, 23, 129-155.		11
79	Characterization of Schizosaccharomyces pombe mcm7+ and cdc23+ (MCM10) and Interactions With Replication Checkpoints. Genetics, 2001, 159, 471-486.	1.2	40
80	Mitotic replication initiation proteins are not required for pre-meiotic S phase. Nature Genetics, 2000, 25, 263-268.	9.4	42
81	Schizosaccharomyces pombe Hsk1p Is a Potential Cds1p Target Required for Genome Integrity. Molecular and Cellular Biology, 2000, 20, 7922-7932.	1.1	91
82	Schizosaccharomyces pombe Hsk1p Is a Potential Cds1p Target Required for Genome Integrity. Molecular and Cellular Biology, 2000, 20, 7922-7932.	1.1	4
83	Nuclear Localization ofSchizosaccharomyces pombeMcm2/Cdc19p Requires MCM Complex Assembly. Molecular Biology of the Cell, 1999, 10, 4043-4057.	0.9	80
84	The best yeast?. Trends in Genetics, 1999, 15, 340-344.	2.9	79
85	Rereplication Phenomenon in Fission Yeast Requires MCM Proteins and Other S Phase Genes. Genetics, 1999, 152, 839-851.	1.2	14
86	Multiple Domains of Fission Yeast Cdc19p (MCM2) Are Required for Its Association with the Core MCM Complex. Molecular Biology of the Cell, 1998, 9, 1833-1845.	0.9	52
87	Fission Yeast cdc24+ Encodes a Novel Replication Factor Required for Chromosome Integrity. Genetics, 1998, 149, 1221-1233.	1.2	46
88	Identification of a Second Myosin-II inSchizosaccharomyces pombe:. Molecular Biology of the Cell, 1997, 8, 2693-2705.	0.9	159
89	General purpose tagging vectors for fission yeast. Gene, 1997, 191, 191-195.	1.0	173
90	Mutational Analysis of Cdc19p, a Schizosaccharomyces pombe MCM Protein. Genetics, 1997, 147, 1025-1041.	1.2	36

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91	Codon usage table forSchizosaccharomyces pombe. Yeast, 1994, 10, 1045-1047.	0.8	31
92	Cell Cycle: In and out of the cell cycle. Current Biology, 1994, 4, 828-830.	1.8	12
93	The fission yeast cdc18+ gene product couples S phase to START and mitosis. Cell, 1993, 74, 371-382.	13.5	471
94	Comparison ofSchizosaccharomyces pombeexpression systems. Nucleic Acids Research, 1993, 21, 2955-2956.	6.5	438
95	Cell Cycle Regulation in the Yeasts Saccharomyces cerevisiae and Schizosaccharomyces pombe. Annual Review of Cell Biology, 1991, 7, 227-256.	26.0	328
96	Nucleotide sequence of the genes encoding the major tail sheath and tail tube proteins of bacteriophage P2. Virology, 1991, 181, 353-358.	1.1	26
97	Identification of a Gl-type cyclin puc1+ in the fission yeast Schizosaccharomyces pombe. Nature, 1991, 351, 245-248.	13.7	100
98	Communication Between Mitochondria and the Nucleus in Regulation of Cytochrome Genes in the Yeast Saccharomyces cerevisiae. Annual Review of Cell Biology, 1989, 5, 153-180.	26.0	184