

Susan L Forsburg

List of Publications by Year in descending order

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98
papers

6,874
citations

117625

34
h-index

62596

80
g-index

141
all docs

141
docs citations

141
times ranked

5813
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome sequence of <i>Schizosaccharomyces pombe</i> . <i>Nature</i> , 2002, 415, 871-880.	27.8	1,508
2	The fission yeast <i>cdc18+</i> gene product couples S phase to START and mitosis. <i>Cell</i> , 1993, 74, 371-382.	28.9	471
3	Basic methods for fission yeast. <i>Yeast</i> , 2006, 23, 173-183.	1.7	457
4	Eukaryotic MCM Proteins: Beyond Replication Initiation. <i>Microbiology and Molecular Biology Reviews</i> , 2004, 68, 109-131.	6.6	456
5	Comparison of <i>Schizosaccharomyces pombe</i> expression systems. <i>Nucleic Acids Research</i> , 1993, 21, 2955-2956.	14.5	438
6	Cell Cycle Regulation in the Yeasts <i>Saccharomyces cerevisiae</i> and <i>Schizosaccharomyces pombe</i> . <i>Annual Review of Cell Biology</i> , 1991, 7, 227-256.	26.1	328
7	The art and design of genetic screens: yeast. <i>Nature Reviews Genetics</i> , 2001, 2, 659-668.	16.3	231
8	Communication Between Mitochondria and the Nucleus in Regulation of Cytochrome Genes in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Annual Review of Cell Biology</i> , 1989, 5, 153-180.	26.1	184
9	General purpose tagging vectors for fission yeast. <i>Gene</i> , 1997, 191, 191-195.	2.2	173
10	Identification of a Second Myosin-II in <i>Schizosaccharomyces pombe</i> . <i>Molecular Biology of the Cell</i> , 1997, 8, 2693-2705.	2.1	159
11	Molecular Genetics of <i>Schizosaccharomyces pombe</i> . <i>Methods in Enzymology</i> , 2010, 470, 759-795.	1.0	147
12	MCM proteins: DNA damage, mutagenesis and repair. <i>Current Opinion in Genetics and Development</i> , 2004, 14, 17-21.	3.3	114
13	<i>Hsk1</i> is required for heterochromatin-mediated cohesion at centromeres. <i>Nature Cell Biology</i> , 2003, 5, 1111-1116.	10.3	106
14	Identification of a G1-type cyclin <i>puc1+</i> in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Nature</i> , 1991, 351, 245-248.	27.8	100
15	<i>Schizosaccharomyces pombe</i> <i>Hsk1p</i> Is a Potential <i>Cds1p</i> Target Required for Genome Integrity. <i>Molecular and Cellular Biology</i> , 2000, 20, 7922-7932.	2.3	91
16	Nuclear Localization of <i>Schizosaccharomyces pombe</i> <i>Mcm2/Cdc19p</i> Requires MCM Complex Assembly. <i>Molecular Biology of the Cell</i> , 1999, 10, 4043-4057.	2.1	80
17	The best yeast?. <i>Trends in Genetics</i> , 1999, 15, 340-344.	6.7	79
18	The <i>Schizosaccharomyces pombe</i> Aurora-related Kinase <i>Ark1</i> Interacts with the Inner Centromere Protein <i>Pic1</i> and Mediates Chromosome Segregation and Cytokinesis. <i>Molecular Biology of the Cell</i> , 2002, 13, 1132-1143.	2.1	78

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19	Minichromosome Maintenance Proteins Interact with Checkpoint and Recombination Proteins To Promote S-Phase Genome Stability. <i>Molecular and Cellular Biology</i> , 2008, 28, 1724-1738.	2.3	72
20	Choosing and using <i>Schizosaccharomyces pombe</i> plasmids. <i>Methods</i> , 2004, 33, 189-198.	3.8	64
21	Conserved Locus-Specific Silencing Functions of <i>Schizosaccharomyces pombe</i> sir2+. <i>Genetics</i> , 2005, 169, 1243-1260.	2.9	56
22	Efficient labeling of fission yeast <i>Schizosaccharomyces pombe</i> with thymidine and BUdR. <i>Nucleic Acids Research</i> , 2003, 31, 134e-134.	14.5	53
23	Multiple Domains of Fission Yeast Cdc19p (MCM2) Are Required for Its Association with the Core MCM Complex. <i>Molecular Biology of the Cell</i> , 1998, 9, 1833-1845.	2.1	52
24	Continued DNA Synthesis in Replication Checkpoint Mutants Leads to Fork Collapse. <i>Molecular and Cellular Biology</i> , 2012, 32, 4986-4997.	2.3	51
25	<i>Schizosaccharomyces pombe</i> Rdh54 (TID1) Acts with Rhp54 (RAD54) to Repair Meiotic Double-Strand Breaks. <i>Molecular Biology of the Cell</i> , 2003, 14, 4707-4720.	2.1	50
26	<i>Schizosaccharomyces pombe</i> mst2+ Encodes a MYST Family Histone Acetyltransferase That Negatively Regulates Telomere Silencing. <i>Molecular and Cellular Biology</i> , 2005, 25, 8887-8903.	2.3	47
27	Eukaryotic DNA Replication in a Chromatin Context. <i>Current Topics in Developmental Biology</i> , 2006, 76, 129-184.	2.2	46
28	Expression profiling of <i>S. pombe</i> acetyltransferase mutants identifies redundant pathways of gene regulation. <i>BMC Genomics</i> , 2010, 11, 59.	2.8	46
29	Fission Yeast cdc24+ Encodes a Novel Replication Factor Required for Chromosome Integrity. <i>Genetics</i> , 1998, 149, 1221-1233.	2.9	46
30	Suppressors of Bir1p (Survivin) Identify Roles for the Chromosomal Passenger Protein Pic1p (INCENP) and the Replication Initiation Factor Psf2p in Chromosome Segregation. <i>Molecular and Cellular Biology</i> , 2005, 25, 9000-9015.	2.3	44
31	Mitotic replication initiation proteins are not required for pre-meiotic S phase. <i>Nature Genetics</i> , 2000, 25, 263-268.	21.4	42
32	Measuring DNA Content by Flow Cytometry in Fission Yeast. <i>Methods in Molecular Biology</i> , 2009, 521, 449-461.	0.9	41
33	Characterization of <i>Schizosaccharomyces pombe</i> mcm7+ and cdc23+ (MCM10) and Interactions With Replication Checkpoints. <i>Genetics</i> , 2001, 159, 471-486.	2.9	40
34	Mutational Analysis of Cdc19p, a <i>Schizosaccharomyces pombe</i> MCM Protein. <i>Genetics</i> , 1997, 147, 1025-1041.	2.9	36
35	Different Phenotypes in Vivo Are Associated With ATPase Motif Mutations in <i>Schizosaccharomyces pombe</i> Minichromosome Maintenance Proteins. <i>Genetics</i> , 2002, 160, 1305-1318.	2.9	35
36	The MCM helicase: linking checkpoints to the replication fork. <i>Biochemical Society Transactions</i> , 2008, 36, 114-119.	3.4	34

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37	Only Connect. <i>Molecular Cell</i> , 2002, 9, 703-711.	9.7	32
38	Codon usage table for <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 1994, 10, 1045-1047.	1.7	31
39	Replication Fork Stability Is Essential for the Maintenance of Centromere Integrity in the Absence of Heterochromatin. <i>Cell Reports</i> , 2013, 3, 638-645.	6.4	31
40	<i>Schizosaccharomyces pombe</i> Histone Acetyltransferase Mst1 (KAT5) Is an Essential Protein Required for Damage Response and Chromosome Segregation. <i>Genetics</i> , 2008, 179, 757-771.	2.9	30
41	Replication stress in early S phase generates apparent micronuclei and chromosome rearrangement in fission yeast. <i>Molecular Biology of the Cell</i> , 2015, 26, 3439-3450.	2.1	30
42	Regulation of Replication Termination by Reb1 Protein-Mediated Action at a Distance. <i>Cell</i> , 2010, 142, 868-878.	28.9	29
43	<i>S. pombe</i> replication protein Cdc18 (Cdc6) interacts with Swi6 (HP1) heterochromatin protein. <i>Cell Cycle</i> , 2011, 10, 323-336.	2.6	29
44	Nucleotide sequence of the genes encoding the major tail sheath and tail tube proteins of bacteriophage P2. <i>Virology</i> , 1991, 181, 353-358.	2.4	26
45	Mini-chromosome maintenance complexes form a filament to remodel DNA structure and topology. <i>Nucleic Acids Research</i> , 2013, 41, 3446-3456.	14.5	26
46	Meiotic S-Phase Damage Activates Recombination without Checkpoint Arrest. <i>Molecular Biology of the Cell</i> , 2005, 16, 1651-1660.	2.1	25
47	Managing Single-Stranded DNA during Replication Stress in Fission Yeast. <i>Biomolecules</i> , 2015, 5, 2123-2139.	4.0	25
48	<i>Schizosaccharomyces pombe</i> replication protein Cdc45/Sna41 requires Hsk1/Cdc7 and Rad4/Cut5 for chromatin binding. <i>Chromosoma</i> , 2004, 113, 145-56.	2.2	24
49	Bioactive steroidal glycosides from the marine sponge <i>Erylus lendenfeldi</i> . <i>Tetrahedron</i> , 2005, 61, 1199-1206.	1.9	22
50	Rapid regulation of nuclear proteins by rapamycin-induced translocation in fission yeast. <i>Yeast</i> , 2014, 31, 253-264.	1.7	22
51	<i>Schizosaccharomyces pombe</i> Minichromosome Maintenance-binding Protein (MCM-BP) Antagonizes MCM Helicase. <i>Journal of Biological Chemistry</i> , 2011, 286, 32918-32930.	3.4	21
52	The C-terminus of <i>S. pombe</i> DDK subunit Dfp1 is required for meiosis-specific transcription and cohesin cleavage. <i>Biology Open</i> , 2013, 2, 728-738.	1.2	21
53	It's All in the Timing: Linking S Phase to Chromatin Structure and Chromosome Dynamics. <i>Cell Cycle</i> , 2003, 2, 302-305.	2.6	20
54	The yeasts <i>Saccharomyces cerevisiae</i> and <i>Schizosaccharomyces pombe</i> : models for cell biology research. <i>Gravitational and Space Biology Bulletin: Publication of the American Society for Gravitational and Space Biology</i> , 2005, 18, 3-9.	1.0	19

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55	Analysis of the Fission Yeast <i>Schizosaccharomyces pombe</i> Cell Cycle. , 2004, 241, 93-112.		18
56	A Screen for <i>Schizosaccharomyces pombe</i> Mutants Defective in Rereplication Identifies New Alleles of rad4+, cut9+ and psf2+. Genetics, 2005, 169, 77-89.	2.9	18
57	Measuring DNA Content by Flow Cytometry in Fission Yeast. Methods in Molecular Biology, 2015, 1300, 79-97.	0.9	18
58	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.	2.9	17
59	PombeX: Robust Cell Segmentation for Fission Yeast Transillumination Images. PLoS ONE, 2013, 8, e81434.	2.5	17
60	Microscopy Techniques to Examine DNA Replication in Fission Yeast. Methods in Molecular Biology, 2015, 1300, 13-41.	0.9	15
61	Microscopy Techniques to Examine DNA Replication in Fission Yeast. Methods in Molecular Biology, 2009, 521, 463-482.	0.9	15
62	Rereplication Phenomenon in Fission Yeast Requires MCM Proteins and Other S Phase Genes. Genetics, 1999, 152, 839-851.	2.9	14
63	Growth and Manipulation of <i>S. pombe</i> . Current Protocols in Molecular Biology, 2003, 64, Unit 13.16.	2.9	13
64	Cell Cycle: In and out of the cell cycle. Current Biology, 1994, 4, 828-830.	3.9	12
65	RNAi hushes heterochromatin. Genome Biology, 2002, 3, reviews1035.1.	9.6	12
66	A Mammalian-Like DNA Damage Response of Fission Yeast to Nucleoside Analogs. Genetics, 2013, 193, 143-157.	2.9	12
67	Essential Domains of <i>Schizosaccharomyces pombe</i> Rad8 Required for DNA Damage Response. G3: Genes, Genomes, Genetics, 2014, 4, 1373-1384.	1.8	12
68	Deconstructing a Conserved Protein Family: The Role of MCM Proteins in Eukaryotic DNA Replication. , 2001, 23, 129-155.		11
69	Cell-Cycle Synchrony for Analysis of <i>S. pombe</i> DNA Replication. Methods in Molecular Biology, 2009, 521, 437-448.	0.9	11
70	Regulation of Structure-Specific Endonucleases in Replication Stress. Genes, 2018, 9, 634.	2.4	11
71	<i>S. pombe</i> Strain Maintenance and Media. Current Protocols in Molecular Biology, 2003, 64, Unit 13.15.	2.9	10
72	Increased Meiotic Crossovers and Reduced Genome Stability in Absence of <i>Schizosaccharomyces pombe</i> Rad16 (XPF). Genetics, 2014, 198, 1457-1472.	2.9	10

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73	Destabilization of the replication fork protection complex disrupts meiotic chromosome segregation. <i>Molecular Biology of the Cell</i> , 2017, 28, 2978-2997.	2.1	9
74	Introduction of DNA into <i>S. pombe</i> Cells. <i>Current Protocols in Molecular Biology</i> , 2003, 64, Unit 13.17.	2.9	8
75	Centromere Stability: The Replication Connection. <i>Genes</i> , 2017, 8, 37.	2.4	8
76	It's all in the timing: linking S phase to chromatin structure and chromosome dynamics. <i>Cell Cycle</i> , 2003, 2, 303-6.	2.6	8
77	The CINs of the centromere. <i>Biochemical Society Transactions</i> , 2013, 41, 1706-1711.	3.4	7
78	lbp1p, a novel Cdc25-related phosphatase, suppresses <i>Schizosaccharomyces pombe</i> hsk1 (cdc7). <i>Current Genetics</i> , 2003, 44, 38-48.	1.7	6
79	Characterization of a Novel MMS-Sensitive Allele of <i>Schizosaccharomyces pombe</i> mcm4+. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3049-3063.	1.8	6
80	Random Spore Analysis in Fission Yeast. <i>Methods in Molecular Biology</i> , 2018, 1721, 189-195.	0.9	6
81	Checkpoint Regulation of Nuclear Tos4 Defines S Phase Arrest in Fission Yeast. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 255-266.	1.8	6
82	Monitoring <i>Schizosaccharomyces pombe</i> genome stress by visualizing end-binding protein Ku. <i>Biology Open</i> , 2021, 10, .	1.2	6
83	Overview of <i>Schizosaccharomyces pombe</i> . <i>Current Protocols in Molecular Biology</i> , 2003, 64, Unit 13.14.	2.9	5
84	Mutations Disrupting Histone Methylation Have Different Effects on Replication Timing in <i>S. pombe</i> Centromere. <i>PLoS ONE</i> , 2013, 8, e61464.	2.5	5
85	Examination of Mitotic and Meiotic Fission Yeast Nuclear Dynamics by Fluorescence Live-cell Microscopy. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	5
86	Active Replication Checkpoint Drives Genome Instability in Fission Yeast mcm4 Mutant. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	5
87	Overlapping Roles in Chromosome Segregation for Heterochromatin Protein 1 (Swi6) and DDK in <i>Schizosaccharomyces pombe</i> . <i>Genetics</i> , 2019, 212, 417-430.	2.9	4
88	<i>Schizosaccharomyces pombe</i> Hsk1p Is a Potential Cds1p Target Required for Genome Integrity. <i>Molecular and Cellular Biology</i> , 2000, 20, 7922-7932.	2.3	4
89	<i>Schizosaccharomyces pombe</i> Rad4/Cut5 Protein Modification and Chromatin Binding Changes in DNA Damage. <i>DNA and Cell Biology</i> , 2007, 26, 565-575.	1.9	3
90	Robust cell segmentation for <i>schizosaccharomyces pombe</i> images with focus gradient. , 2013, , .		3

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91	Tetrad Dissection in Fission Yeast. <i>Methods in Molecular Biology</i> , 2018, 1721, 179-187.	0.9	3
92	Translesion synthesis polymerases contribute to meiotic chromosome segregation and cohesin dynamics in <i>S. pombe</i> . <i>Journal of Cell Science</i> , 2020, 133, .	2.0	2
93	A visual atlas of meiotic protein dynamics in living fission yeast. <i>Open Biology</i> , 2021, 11, 200357.	3.6	1
94	Simultaneous Segmentation of Cell and Nucleus in <i>Schizosaccharomyces pombe</i> Images with Focus Gradient. , 2012, , .		0
95	Automatic phenotyping of multi-channel <i>Schizosaccharomyces pombe</i> images. , 2014, , .		0
96	<i>Schizosaccharomyces pombe</i> KAT5 contributes to resection and repair of a DNA double-strand break. <i>Genetics</i> , 2021, 218, .	2.9	0
97	From DNA Replication to Genome Instability in <i>Schizosaccharomyces Pombe</i> : Pathways to Cancer. , 2007, , 1-35.		0
98	Determinants of RPA megafoci localization to the nuclear periphery in response to replication stress. <i>G3: Genes, Genomes, Genetics</i> , 2022, , .	1.8	0