

Jian-Qiu Wu

List of Publications by Year in descending order

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49
papers

5,701
citations

201674

27
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223800

46
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all docs

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docs citations

49
times ranked

6347
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterologous modules for efficient and versatile PCR-based gene targeting in <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 1998, 14, 943-951.	1.7	2,105
2	Counting Cytokinesis Proteins Globally and Locally in Fission Yeast. <i>Science</i> , 2005, 310, 310-314.	12.6	531
3	Spatial and Temporal Pathway for Assembly and Constriction of the Contractile Ring in Fission Yeast Cytokinesis. <i>Developmental Cell</i> , 2003, 5, 723-734.	7.0	363
4	Assembly Mechanism of the Contractile Ring for Cytokinesis by Fission Yeast. <i>Science</i> , 2008, 319, 97-100.	12.6	346
5	Understanding cytokinesis: lessons from fission yeast. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 149-155.	37.0	295
6	Assembly of the cytokinetic contractile ring from a broad band of nodes in fission yeast. <i>Journal of Cell Biology</i> , 2006, 174, 391-402.	5.2	243
7	Assembly and architecture of precursor nodes during fission yeast cytokinesis. <i>Journal of Cell Biology</i> , 2011, 192, 1005-1021.	5.2	167
8	Roles of a Fimbrin and an $\hat{\pm}$ -Actinin-like Protein in Fission Yeast Cell Polarization and Cytokinesis. <i>Molecular Biology of the Cell</i> , 2001, 12, 1061-1077.	2.1	149
9	CENP-A exceeds microtubule attachment sites in centromere clusters of both budding and fission yeast. <i>Journal of Cell Biology</i> , 2011, 195, 563-572.	5.2	126
10	Counting protein molecules using quantitative fluorescence microscopy. <i>Trends in Biochemical Sciences</i> , 2012, 37, 499-506.	7.5	126
11	Mechanistic Insights into the Anchorage of the Contractile Ring by Anillin and Mid1. <i>Developmental Cell</i> , 2015, 33, 413-426.	7.0	113
12	Profilin-mediated Competition between Capping Protein and Formin Cdc12p during Cytokinesis in Fission Yeast. <i>Molecular Biology of the Cell</i> , 2005, 16, 2313-2324.	2.1	110
13	Roles of Formin Nodes and Myosin Motor Activity in Mid1p-dependent Contractile-Ring Assembly during Fission Yeast Cytokinesis. <i>Molecular Biology of the Cell</i> , 2009, 20, 5195-5210.	2.1	97
14	SOAX: A software for quantification of 3D biopolymer networks. <i>Scientific Reports</i> , 2015, 5, 9081.	3.3	92
15	$\hat{\pm}$ -Actinin and fimbrin cooperate with myosin II to organize actomyosin bundles during contractile-ring assembly. <i>Molecular Biology of the Cell</i> , 2012, 23, 3094-3110.	2.1	84
16	Contractile Ring assembly in fission yeast cytokinesis: Recent advances and new perspectives. <i>Cytoskeleton</i> , 2012, 69, 751-763.	2.0	65
17	Roles of the TRAPP-II Complex and the Exocyst in Membrane Deposition during Fission Yeast Cytokinesis. <i>PLoS Biology</i> , 2016, 14, e1002437.	5.6	62
18	Chapter 9 Counting Proteins in Living Cells by Quantitative Fluorescence Microscopy with Internal Standards. <i>Methods in Cell Biology</i> , 2008, 89, 253-273.	1.1	59

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19	The formins Cdc12 and For3 cooperate during contractile ring assembly in cytokinesis. <i>Journal of Cell Biology</i> , 2013, 203, 101-114.	5.2	44
20	Roles of putative Rho-GEF Gef2 in division-site positioning and contractile-ring function in fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2012, 23, 1181-1195.	2.1	42
21	The novel proteins Rng8 and Rng9 regulate the myosin-V Myo51 during fission yeast cytokinesis. <i>Journal of Cell Biology</i> , 2014, 205, 357-375.	5.2	40
22	Role of Septins in the Orientation of Forespore Membrane Extension during Sporulation in Fission Yeast. <i>Molecular and Cellular Biology</i> , 2010, 30, 2057-2074.	2.3	38
23	Cooperation Between the Septins and the Actomyosin Ring and Role of a Cell-Integrity Pathway During Cell Division in Fission Yeast. <i>Genetics</i> , 2010, 186, 897-915.	2.9	38
24	Characterization of Mid1 domains for targeting and scaffolding in fission yeast cytokinesis. <i>Journal of Cell Science</i> , 2012, 125, 2973-85.	2.0	36
25	Cooperation between Rho-GEF Gef2 and its binding partner Nod1 in the regulation of fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2013, 24, 3187-3204.	2.1	34
26	Mechanisms of contractile-ring assembly in fission yeast and beyond. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 892-898.	5.0	32
27	Regulation of spindle pole body assembly and cytokinesis by the centrin-binding protein Sfi1 in fission yeast. <i>Molecular Biology of the Cell</i> , 2014, 25, 2735-2749.	2.1	31
28	The Rho-GEF Gef3 interacts with the septin complex and activates the GTPase Rho4 during fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2015, 26, 238-255.	2.1	29
29	Every laboratory with a fluorescence microscope should consider counting molecules. <i>Molecular Biology of the Cell</i> , 2014, 25, 1545-1548.	2.1	26
30	Regulation of Rho-GEF Rgf3 by the arrestin Art1 in fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2015, 26, 453-466.	2.1	22
31	Model of myosin node aggregation into a contractile ring: the effect of local alignment. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 374103.	1.8	21
32	Distinct Roles of Myosin-II Isoforms in Cytokinesis under Normal and Stressed Conditions. <i>IScience</i> , 2019, 14, 69-87.	4.1	19
33	Sbg1 Is a Novel Regulator for the Localization of the β -Glucan Synthase Bgs1 in Fission Yeast. <i>PLoS ONE</i> , 2016, 11, e0167043.	2.5	16
34	Molecular mechanisms of contractile-ring constriction and membrane trafficking in cytokinesis. <i>Biophysical Reviews</i> , 2018, 10, 1649-1666.	3.2	12
35	Roles of the fission yeast UNC-13/Munc13 protein Ync13 in late stages of cytokinesis. <i>Molecular Biology of the Cell</i> , 2018, 29, 2259-2279.	2.1	12
36	Heterologous modules for efficient and versatile PCR-based gene targeting in <i>Schizosaccharomyces pombe</i> . , 1998, 14, 943.		11

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37	The F-BAR Domain of Rga7 Relies on a Cooperative Mechanism of Membrane Binding with a Partner Protein during Fission Yeast Cytokinesis. <i>Cell Reports</i> , 2019, 26, 2540-2548.e4.	6.4	10
38	Roles of the novel coiled-coil protein Rng10 in septum formation during fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2016, 27, 2528-2541.	2.1	9
39	Roles of the DYRK Kinase Pom2 in Cytokinesis, Mitochondrial Morphology, and Sporulation in Fission Yeast. <i>PLoS ONE</i> , 2011, 6, e28000.	2.5	9
40	Megadalton-node assembly by binding of Skb1 to the membrane anchor Slf1. <i>Molecular Biology of the Cell</i> , 2014, 25, 2660-2668.	2.1	8
41	Real-Time Visualization and Quantification of Contractile Ring Proteins in Single Living Cells. <i>Methods in Molecular Biology</i> , 2016, 1369, 9-23.	0.9	8
42	Heterologous modules for efficient and versatile PCR-based gene targeting in <i>Schizosaccharomyces pombe</i> . <i>Yeast</i> , 1998, 14, 943-951.	1.7	7
43	Counting Molecules Within Cells. <i>Colloquium Series on Quantitative Cell Biology</i> , 2014, 1, 1-74.	0.5	4
44	Involvement of Smi1 in cell wall integrity and glucan synthase Bgs4 localization during fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21040214.	2.1	4
45	Roles of Mso1 and the SM protein Sec1 in efficient vesicle fusion during fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2020, 31, 1570-1583.	2.1	3
46	Cytokinesis: Going Super-Resolution in Live Cells. <i>Current Biology</i> , 2016, 26, R1150-R1152.	3.9	2
47	An Assay to Study Intra-Chromosomal Deletions in Yeast. <i>Methods and Protocols</i> , 2019, 2, 74.	2.0	1
48	Cell-size control: Complicated. <i>Cell Cycle</i> , 2014, 13, 693-694.	2.6	0
49	Molecular basis of cytokinesis in fission yeast. <i>FASEB Journal</i> , 2008, 22, 115.2.	0.5	0