Chuanhai Fu

List of Publications by Year
in descending order

54	1,662	430874	315739
papers	citations	18 h-index	38 g-index

57	57	57	2098
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crosslinkers and Motors Organize Dynamic Microtubules to Form Stable Bipolar Arrays in Fission Yeast. Cell, 2007, 128, 357-368.	28.9	222
2	SUMOsp: a web server for sumoylation site prediction. Nucleic Acids Research, 2006, 34, W254-W257.	14.5	179
3	Phospho-Regulated Interaction between Kinesin-6 Klp9p and Microtubule Bundler Ase1p Promotes Spindle Elongation. Developmental Cell, 2009, 17, 257-267.	7.0	130
4	Stabilization of PML nuclear localization by conjugation and oligomerization of SUMO-3. Oncogene, 2005, 24, 5401-5413.	5.9	99
5	Mitotic Regulator Mis18Î² Interacts with and Specifies the Centromeric Assembly of Molecular Chaperone Holliday Junction Recognition Protein (HJURP). Journal of Biological Chemistry, 2014, 289, 8326-8336.	3.4	78
6	Acetylation of Aurora B by TIP60 ensures accurate chromosomal segregation. Nature Chemical Biology, 2016, 12, 226-232.	8.0	77
7	PLK1 Phosphorylates Mitotic Centromere-associated Kinesin and Promotes Its Depolymerase Activity. Journal of Biological Chemistry, 2011, 286, 3033-3046.	3.4	71
8	Phosphorylation of Microtubule-binding Protein Hec1 by Mitotic Kinase Aurora B Specifies Spindle Checkpoint Kinase Mps1 Signaling at the Kinetochore. Journal of Biological Chemistry, 2013, 288, 36149-36159.	3.4	59
9	PRC1 Cooperates with CLASP1 to Organize Central Spindle Plasticity in Mitosis. Journal of Biological Chemistry, 2009, 284, 23059-23071.	3.4	54
10	Dynamic localization of Mps1 kinase to kinetochores is essential for accurate spindle microtubule attachment. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4546-55.	7.1	52
11	Fast microfluidic temperature control for high resolution live cell imaging. Lab on A Chip, 2011, 11, 484-489.	6.0	51
12	Antagonistic Spindle Motors and MAPs Regulate Metaphase Spindle Length and Chromosome Segregation. Current Biology, 2013, 23, 2423-2429.	3.9	46
13	Proteomic Identification and Functional Characterization of a Novel ARF6 GTPase-activating Protein, ACAP4. Molecular and Cellular Proteomics, 2006, 5, 1437-1449.	3.8	42
14	mmb1p Binds Mitochondria to Dynamic Microtubules. Current Biology, 2011, 21, 1431-1439.	3.9	40
15	Nek2A kinase regulates the localization of numatrin to centrosome in mitosis. FEBS Letters, 2004, 575, 112-118.	2.8	25
16	Quantifying Tubulin Concentration and Microtubule Number Throughout the Fission Yeast Cell Cycle. Biomolecules, 2019, 9, 86.	4.0	25
17	Human Yip1A specifies the localization of Yif1 to the Golgi apparatus. Biochemical and Biophysical Research Communications, 2005, 334, 16-22.	2.1	23
18	Glucose starvation induces mitochondrial fragmentation depending on the dynamin GTPase Dnm1/Drp1 in fission yeast. Journal of Biological Chemistry, 2019, 294, 17725-17734.	3.4	23

#	Article	IF	Citations
19	Mitochondrial fusion and fission are required for proper mitochondrial function and cell proliferation in fission yeast. FEBS Journal, 2022, 289, 262-278.	4.7	23
20	Fission yeast mitochondria are distributed by dynamic microtubules in a motor-independent manner. Scientific Reports, 2015, 5, 11023.	3.3	22
21	Mitotic motor CENP-E cooperates with PRC1 in temporal control of central spindle assembly. Journal of Molecular Cell Biology, 2020, 12, 654-665.	3.3	22
22	Emr1 regulates the number of foci of the endoplasmic reticulum-mitochondria encounter structure complex. Nature Communications, 2021, 12, 521.	12.8	22
23	Mitotic phosphorylation of PRC1 at Thr470 is required for PRC1 oligomerization and proper central spindle organization. Cell Research, 2007, 17, 449-457.	12.0	20
24	Dynamic Autophosphorylation of Mps1 Kinase Is Required for Faithful Mitotic Progression. PLoS ONE, 2014, 9, e104723.	2.5	20
25	The mitochondrial protease LONP1 maintains oocyte development and survival by suppressing nuclear translocation of AIFM1 in mammals. EBioMedicine, 2022, 75, 103790.	6.1	20
26	Csi1p recruits alp7p/TACC to the spindle pole bodies for bipolar spindle formation. Molecular Biology of the Cell, 2014, 25, 2750-2760.	2.1	19
27	Phosphorylation of CENP-C by Aurora B facilitates kinetochore attachment error correction in mitosis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10667-E10676.	7.1	19
28	Myosin II is present in gastric parietal cells and required for lamellipodial dynamics associated with cell activation. American Journal of Physiology - Cell Physiology, 2003, 285, C662-C673.	4.6	15
29	Fast confocal Raman imaging via context-aware compressive sensing. Analyst, The, 2021, 146, 2348-2357.	3.5	15
30	Septins regulate the equatorial dynamics of the separation initiation network kinase Sid2p and glucan synthases to ensure proper cytokinesis. FEBS Journal, 2018, 285, 2468-2480.	4.7	14
31	Shape Transformation of the Nuclear Envelope during Closed Mitosis. Biophysical Journal, 2016, 111, 2309-2316.	0.5	13
32	csi2p modulates microtubule dynamics and organizes the bipolar spindle for chromosome segregation. Molecular Biology of the Cell, 2014, 25, 3900-3908.	2.1	12
33	Holliday junction recognition protein interacts with and specifies the centromeric assembly of CENP-T. Journal of Biological Chemistry, 2019, 294, 968-980.	3.4	9
34	Imaging Individual Spindle Microtubule Dynamics in Fission Yeast. Methods in Cell Biology, 2013, 115, 385-394.	1.1	8
35	The 68-kDa Telomeric Repeat Binding Factor 1 (TRF1)-associated Protein (TAP68) Interacts with and Recruits TRF1 to the Spindle Pole during Mitosis. Journal of Biological Chemistry, 2014, 289, 14145-14156.	3.4	8
36	Mcp1p tracks microtubule plus ends to destabilize microtubules at cell tips. FEBS Letters, 2014, 588, 859-865.	2.8	8

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37	Segmentation of yeast cellâ€™s bright-field image with an edge-tracing algorithm. Journal of Biomedical Optics, 2018, 23, 1.	2.6	8
38	Automated morphometry toolbox for analysis of microscopic model organisms using simple bright-field imaging. Biology Open, 2019, 8, .	1.2	7
39	The J-domain cochaperone Rsp1 interacts with Mto1 to organize noncentrosomal microtubule assembly. Molecular Biology of the Cell, 2019, 30, 256-267.	2.1	7
40	Alp7-Mto1 and Alp14 synergize to promote interphase microtubule regrowth from the nuclear envelope. Journal of Molecular Cell Biology, 2019, 11, 944-955.	3.3	6
41	Klp2 and Ase1 synergize to maintain meiotic spindle stability during metaphase I. Journal of Biological Chemistry, 2020, 295, 13287-13298.	3.4	6
42	Phosphorylation of SKAP by GSK3Î² ensures chromosome segregation by a temporal inhibition of Kif2b activity. Scientific Reports, 2016, 6, 38791.	3.3	5
43	The septin complex links the catenin complex to the actin cytoskeleton for establishing epithelial cell polarity. Journal of Molecular Cell Biology, 2021, 13, 395-408.	3.3	5
44	The Cdc42 GTPase-activating protein Rga6 promotes the cortical localization of septin. Journal of Cell Science, 2022, 135, .	2.0	5
45	Mad2 promotes Cyclin B2 recruitment to the kinetochore for guiding accurate mitotic checkpoint. EMBO Reports, 2022, 23, e54171.	4.5	4
46	Protein kinase TTK interacts and co-localizes with CENP-E to the kinetochore of human cells. Science Bulletin, 2002, 47, 2005.	1.7	3
47	A novel genome-wide full-length kinesin prediction analysis reveals additional mammalian kinesins. Science Bulletin, 2006, 51, 1836-1847.	1.7	3
48	The concerted actions of Tip1/CLIP-170, Klp5/Kinesin-8, and Alp14/XMAP215 regulate microtubule catastrophe at the cell end. Journal of Molecular Cell Biology, 2019, 11, 956-966.	3.3	3
49	A model for bridging microtubule dynamics with nuclear envelope shape evolution during closed mitosis. Journal of the Mechanics and Physics of Solids, 2020, 144, 104116.	4.8	3
50	Centromere targeting of Mis18 requires the interaction with DNA and H2Aâ€“H2B in fission yeast. Cellular and Molecular Life Sciences, 2021, 78, 373-384.	5.4	3
51	The acylâ€CoAâ€binding protein Acb1 regulates mitochondria, lipid droplets, and cell proliferation. FEBS Letters, 2022, 596, 1795-1808.	2.8	3
52	The linear and rotational motions of the fission yeast nucleus are governed by the stochastic dynamics of spatially distributed microtubules. Journal of Biomechanics, 2016, 49, 1034-1041.	2.1	2
53	The Endoplasmic Reticulum-Mitochondria Encounter Structure and its Regulatory Proteins. Contact (Thousand Oaks (Ventura County, Calif)), 2021, 4, 251525642110644.	1.3	2
54	Structural insights reveal the specific recognition of meiRNA by the Mei2 protein. Journal of Molecular Cell Biology, 2022, , .	3.3	1