

Chuanhai Fu

List of Publications by Year in descending order

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54
papers

1,662
citations

430874

18
h-index

315739

38
g-index

57
all docs

57
docs citations

57
times ranked

2098
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial fusion and fission are required for proper mitochondrial function and cell proliferation in fission yeast. <i>FEBS Journal</i> , 2022, 289, 262-278.	4.7	23
2	The mitochondrial protease LONP1 maintains oocyte development and survival by suppressing nuclear translocation of AIFM1 in mammals. <i>EBioMedicine</i> , 2022, 75, 103790.	6.1	20
3	The Cdc42 GTPase-activating protein Rga6 promotes the cortical localization of septin. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	5
4	Mad2 promotes Cyclin B2 recruitment to the kinetochore for guiding accurate mitotic checkpoint. <i>EMBO Reports</i> , 2022, 23, e54171.	4.5	4
5	Structural insights reveal the specific recognition of meiRNA by the Mei2 protein. <i>Journal of Molecular Cell Biology</i> , 2022, , .	3.3	1
6	The acyl-CoA-binding protein Acb1 regulates mitochondria, lipid droplets, and cell proliferation. <i>FEBS Letters</i> , 2022, 596, 1795-1808.	2.8	3
7	Centromere targeting of Mis18 requires the interaction with DNA and H2A-H2B in fission yeast. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 373-384.	5.4	3
8	Fast confocal Raman imaging <i>via</i> context-aware compressive sensing. <i>Analyst</i> , The, 2021, 146, 2348-2357.	3.5	15
9	Emr1 regulates the number of foci of the endoplasmic reticulum-mitochondria encounter structure complex. <i>Nature Communications</i> , 2021, 12, 521.	12.8	22
10	The septin complex links the catenin complex to the actin cytoskeleton for establishing epithelial cell polarity. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 395-408.	3.3	5
11	The Endoplasmic Reticulum-Mitochondria Encounter Structure and its Regulatory Proteins. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2021, 4, 251525642110644.	1.3	2
12	Mitotic motor CENP-E cooperates with PRC1 in temporal control of central spindle assembly. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 654-665.	3.3	22
13	Klp2 and Ase1 synergize to maintain meiotic spindle stability during metaphase I. <i>Journal of Biological Chemistry</i> , 2020, 295, 13287-13298.	3.4	6
14	A model for bridging microtubule dynamics with nuclear envelope shape evolution during closed mitosis. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 144, 104116.	4.8	3
15	Glucose starvation induces mitochondrial fragmentation depending on the dynamin GTPase Dnm1/Drp1 in fission yeast. <i>Journal of Biological Chemistry</i> , 2019, 294, 17725-17734.	3.4	23
16	Alp7-Mto1 and Alp14 synergize to promote interphase microtubule regrowth from the nuclear envelope. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 944-955.	3.3	6
17	The concerted actions of Tip1/CLIP-170, Klp5/Kinesin-8, and Alp14/XMAP215 regulate microtubule catastrophe at the cell end. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 956-966.	3.3	3
18	Quantifying Tubulin Concentration and Microtubule Number Throughout the Fission Yeast Cell Cycle. <i>Biomolecules</i> , 2019, 9, 86.	4.0	25

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19	Automated morphometry toolbox for analysis of microscopic model organisms using simple bright-field imaging. <i>Biology Open</i> , 2019, 8, .	1.2	7
20	The J-domain cochaperone Rsp1 interacts with Mto1 to organize noncentrosomal microtubule assembly. <i>Molecular Biology of the Cell</i> , 2019, 30, 256-267.	2.1	7
21	Holliday junction recognition protein interacts with and specifies the centromeric assembly of CENP-T. <i>Journal of Biological Chemistry</i> , 2019, 294, 968-980.	3.4	9
22	Septins regulate the equatorial dynamics of the separation initiation network kinase Sid2p and glucan synthases to ensure proper cytokinesis. <i>FEBS Journal</i> , 2018, 285, 2468-2480.	4.7	14
23	Segmentation of yeast cell's bright-field image with an edge-tracing algorithm. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	8
24	Phosphorylation of CENP-C by Aurora B facilitates kinetochore attachment error correction in mitosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10667-E10676.	7.1	19
25	Phosphorylation of SKAP by GSK3 ^β ensures chromosome segregation by a temporal inhibition of Kif2b activity. <i>Scientific Reports</i> , 2016, 6, 38791.	3.3	5
26	Shape Transformation of the Nuclear Envelope during Closed Mitosis. <i>Biophysical Journal</i> , 2016, 111, 2309-2316.	0.5	13
27	Acetylation of Aurora B by TIP60 ensures accurate chromosomal segregation. <i>Nature Chemical Biology</i> , 2016, 12, 226-232.	8.0	77
28	The linear and rotational motions of the fission yeast nucleus are governed by the stochastic dynamics of spatially distributed microtubules. <i>Journal of Biomechanics</i> , 2016, 49, 1034-1041.	2.1	2
29	Fission yeast mitochondria are distributed by dynamic microtubules in a motor-independent manner. <i>Scientific Reports</i> , 2015, 5, 11023.	3.3	22
30	Dynamic localization of Mps1 kinase to kinetochores is essential for accurate spindle microtubule attachment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4546-55.	7.1	52
31	Dynamic Autophosphorylation of Mps1 Kinase Is Required for Faithful Mitotic Progression. <i>PLoS ONE</i> , 2014, 9, e104723.	2.5	20
32	Mitotic Regulator Mis18 ^β Interacts with and Specifies the Centromeric Assembly of Molecular Chaperone Holliday Junction Recognition Protein (HJURP). <i>Journal of Biological Chemistry</i> , 2014, 289, 8326-8336.	3.4	78
33	Csi1p recruits alp7p/TACC to the spindle pole bodies for bipolar spindle formation. <i>Molecular Biology of the Cell</i> , 2014, 25, 2750-2760.	2.1	19
34	csi2p modulates microtubule dynamics and organizes the bipolar spindle for chromosome segregation. <i>Molecular Biology of the Cell</i> , 2014, 25, 3900-3908.	2.1	12
35	The 68-kDa Telomeric Repeat Binding Factor 1 (TRF1)-associated Protein (TAP68) Interacts with and Recruits TRF1 to the Spindle Pole during Mitosis. <i>Journal of Biological Chemistry</i> , 2014, 289, 14145-14156.	3.4	8
36	Mcp1p tracks microtubule plus ends to destabilize microtubules at cell tips. <i>FEBS Letters</i> , 2014, 588, 859-865.	2.8	8

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37	Antagonistic Spindle Motors and MAPs Regulate Metaphase Spindle Length and Chromosome Segregation. <i>Current Biology</i> , 2013, 23, 2423-2429.	3.9	46
38	Imaging Individual Spindle Microtubule Dynamics in Fission Yeast. <i>Methods in Cell Biology</i> , 2013, 115, 385-394.	1.1	8
39	Phosphorylation of Microtubule-binding Protein Hec1 by Mitotic Kinase Aurora B Specifies Spindle Checkpoint Kinase Mps1 Signaling at the Kinetochores. <i>Journal of Biological Chemistry</i> , 2013, 288, 36149-36159.	3.4	59
40	Fast microfluidic temperature control for high resolution live cell imaging. <i>Lab on A Chip</i> , 2011, 11, 484-489.	6.0	51
41	mmb1p Binds Mitochondria to Dynamic Microtubules. <i>Current Biology</i> , 2011, 21, 1431-1439.	3.9	40
42	PLK1 Phosphorylates Mitotic Centromere-associated Kinesin and Promotes Its Depolymerase Activity. <i>Journal of Biological Chemistry</i> , 2011, 286, 3033-3046.	3.4	71
43	PRC1 Cooperates with CLASP1 to Organize Central Spindle Plasticity in Mitosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 23059-23071.	3.4	54
44	Phospho-Regulated Interaction between Kinesin-6 Klp9p and Microtubule Bundler Ase1p Promotes Spindle Elongation. <i>Developmental Cell</i> , 2009, 17, 257-267.	7.0	130
45	Crosslinkers and Motors Organize Dynamic Microtubules to Form Stable Bipolar Arrays in Fission Yeast. <i>Cell</i> , 2007, 128, 357-368.	28.9	222
46	Mitotic phosphorylation of PRC1 at Thr470 is required for PRC1 oligomerization and proper central spindle organization. <i>Cell Research</i> , 2007, 17, 449-457.	12.0	20
47	A novel genome-wide full-length kinesin prediction analysis reveals additional mammalian kinesins. <i>Science Bulletin</i> , 2006, 51, 1836-1847.	1.7	3
48	SUMOSp: a web server for sumoylation site prediction. <i>Nucleic Acids Research</i> , 2006, 34, W254-W257.	14.5	179
49	Proteomic Identification and Functional Characterization of a Novel ARF6 GTPase-activating Protein, ACAP4. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1437-1449.	3.8	42
50	Stabilization of PML nuclear localization by conjugation and oligomerization of SUMO-3. <i>Oncogene</i> , 2005, 24, 5401-5413.	5.9	99
51	Human Yip1A specifies the localization of Yif1 to the Golgi apparatus. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 16-22.	2.1	23
52	Nek2A kinase regulates the localization of numatrin to centrosome in mitosis. <i>FEBS Letters</i> , 2004, 575, 112-118.	2.8	25
53	Myosin II is present in gastric parietal cells and required for lamellipodial dynamics associated with cell activation. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 285, C662-C673.	4.6	15
54	Protein kinase TTK interacts and co-localizes with CENP-E to the kinetochores of human cells. <i>Science Bulletin</i> , 2002, 47, 2005.	1.7	3