Zhen Dou

List of Publications by Year
in descending order

46 papers	1,590 citations	257101 24 h-index	315357 38 g-index
48 all docs	48 docs citations	48 times ranked	1930 citing authors

#	Article	IF	Citations
1	SKAP interacts with Aurora B to guide end-on capture of spindle microtubules via phase separation. Journal of Molecular Cell Biology, 2022, 13, 841-852.	1.5	3
2	Mad2 promotes Cyclin B2 recruitment to the kinetochore for guiding accurate mitotic checkpoint. EMBO Reports, 2022, 23, e54171.	2.0	4
3	AMPKÎ±2 activation by an energy-independent signal ensures chromosomal stability during mitosis. IScience, 2021, 24, 102363.	1.9	4
4	Mechanisms and regulation underlying membraneless organelle plasticity control. Journal of Molecular Cell Biology, 2021, 13, 239-258.	1.5	14
5	Feedback control of PLK1 by Apolo1 ensures accurate chromosome segregation. Cell Reports, 2021, 36, 109343.	2.9	15
6	Dynamic crotonylation of EB1 by TIP60 ensures accurate spindle positioning in mitosis. Nature Chemical Biology, 2021, 17, 1314-1323.	3.9	29
7	Mitotic motor CENP-E cooperates with PRC1 in temporal control of central spindle assembly. Journal of Molecular Cell Biology, 2020, 12, 654-665.	1.5	22
8	Methylation of PLK1 by SET7/9 ensures accurate kinetochoreâ€“microtubule dynamics. Journal of Molecular Cell Biology, 2020, 12, 462-476.	1.5	14
9	Systematic expression analysis of WEE family kinases reveals the importance of PKMYT1 in breast carcinogenesis. Cell Proliferation, 2020, 53, e12741.	2.4	27
10	Phase separation drives decision making in cell division. Journal of Biological Chemistry, 2020, 295, 13419-13431.	1.6	41
11	Mps1 dimerization and multisite interactions with Ndc80 complex enable responsive spindle assembly checkpoint signaling. Journal of Molecular Cell Biology, 2020, 12, 486-498.	1.5	10
12	Identification of FPR3 as a Unique Biomarker for Targeted Therapy in the Immune Microenvironment of Breast Cancer. Frontiers in Pharmacology, 2020, 11, 593247.	1.6	9
13	NDP52 tunes cortical actin interaction with astral microtubules for accurate spindle orientation. Cell Research, 2019, 29, 666-679.	5.7	13
14	Recent Progress on the Localization of the Spindle Assembly Checkpoint Machinery to Kinetochores. Cells, 2019, 8, 278.	1.8	33
15	Structural analysis of fungal CENP-H/I/K homologs reveals a conserved assembly mechanism underlying proper chromosome alignment. Nucleic Acids Research, 2019, 47, 468-479.	6.5	22
16	Dynamic acetylation of the kinetochore-associated protein HEC1 ensures accurate microtubuleâ€“kinetochore attachment. Journal of Biological Chemistry, 2019, 294, 576-592.	1.6	20
17	Mitosis-specific acetylation tunes Ran effector binding for chromosome segregation. Journal of Molecular Cell Biology, 2018, 10, 18-32.	1.5	32
18	Phosphorylation of PP1 Regulator Sds22 by PLK1 Ensures Accurate Chromosome Segregation. Journal of Biological Chemistry, 2016, 291, 21123-21136.	1.6	12

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19	Acetylation of Aurora B by TIP60 ensures accurate chromosomal segregation. Nature Chemical Biology, 2016, 12, 226-232.	3.9	77
20	Spatiotemporal dynamics of Aurora B-PLK1-MCAK signaling axis orchestrates kinetochore bi-orientation and faithful chromosome segregation. Scientific Reports, 2015, 5, 12204.	1.6	43
21	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.	3.3	52
22	Dynamic Autophosphorylation of Mps1 Kinase Is Required for Faithful Mitotic Progression. PLoS ONE, 2014, 9, e104723.	1.1	20
23	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.	1.6	78
24	Chromatin Protein HP1Î± Interacts with the Mitotic Regulator Borealin Protein and Specifies the Centromere Localization of the Chromosomal Passenger Complex. Journal of Biological Chemistry, 2014, 289, 20638-20649.	1.6	29
25	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.	1.6	8
26	The Spatiotemporal Dynamics of Chromatin Protein HP1Î± Is Essential for Accurate Chromosome Segregation during Cell Division. Journal of Biological Chemistry, 2014, 289, 26249-26262.	1.6	12
27	Characterization of Ring-Like F-Actin Structure as a Mechanical Partner for Spindle Positioning in Mitosis. PLoS ONE, 2014, 9, e102547.	1.1	11
28	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.	1.6	59
29	Structural and functional insights into the role of the N-terminal Mps1 TPR domain in the SAC (spindle assembly checkpoint). Biochemical Journal, 2012, 448, 321-328.	1.7	19
30	Mitotic Regulator SKAP Forms a Link between Kinetochore Core Complex KMN and Dynamic Spindle Microtubules. Journal of Biological Chemistry, 2012, 287, 39380-39390.	1.6	42
31	CENP-E Kinesin Interacts with SKAP Protein to Orchestrate Accurate Chromosome Segregation in Mitosis. Journal of Biological Chemistry, 2012, 287, 1500-1509.	1.6	45
32	SUV39H1 orchestrates temporal dynamics of centromeric methylation essential for faithful chromosome segregation in mitosis. Journal of Molecular Cell Biology, 2012, 4, 331-340.	1.5	40
33	CENP-U Cooperates with Hec1 to Orchestrate Kinetochore-Microtubule Attachment. Journal of Biological Chemistry, 2011, 286, 1627-1638.	1.6	50
34	Quantitative Mass Spectrometry Analysis Reveals Similar Substrate Consensus Motif for Human Mps1 Kinase and Plk1. PLoS ONE, 2011, 6, e18793.	1.1	65
35	Dimerization of CPAP Orchestrates Centrosome Cohesion Plasticity. Journal of Biological Chemistry, 2010, 285, 2488-2497.	1.6	20
36	Uncoupling of the spindle-checkpoint and chromosome-congression functions of BubR1. Journal of Cell Science, 2010, 123, 84-94.	1.2	100

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37	Probing CENP-E function in chromosome dynamics using small molecule inhibitor syntelin. Cell Research, 2010, 20, 1386-1389.	5.7	37
38	Phosphorylation of HsMis13 by Aurora B Kinase Is Essential for Assembly of Functional Kinetochore. Journal of Biological Chemistry, 2008, 283, 26726-26736.	1.6	67
39	Expression, purification, and characterization of Tara, a novel telomere repeat-binding factor 1 (TRF1)-binding protein. Protein Expression and Purification, 2007, 55, 84-92.	0.6	8
40	Interaction of Skp1 with CENP-E at the midbody is essential for cytokinesis. Biochemical and Biophysical Research Communications, 2006, 345, 394-402.	1.0	32
41	NEK2A Interacts with MAD1 and Possibly Functions as a Novel Integrator of the Spindle Checkpoint Signaling. Journal of Biological Chemistry, 2004, 279, 20049-20057.	1.6	110
42	Human Zwint-1 Specifies Localization of Zeste White 10 to Kinetochores and Is Essential for Mitotic Checkpoint Signaling. Journal of Biological Chemistry, 2004, 279, 54590-54598.	1.6	106
43	TTK kinase is essential for the centrosomal localization of TACC2. FEBS Letters, 2004, 572, 51-56.	1.3	25
44	Nek2A kinase regulates the localization of numatrin to centrosome in mitosis. FEBS Letters, 2004, 575, 112-118.	1.3	25
45	Function and regulation of Aurora/Ipl1p kinase family in cell division. Cell Research, 2003, 13, 69-81.	5.7	63
46	Dynamic distribution of TTK in HeLa cells: insights from an ultrastructural study. Cell Research, 2003, 13, 443-449.	5.7	22