

Zhen Dou

List of Publications by Year in descending order

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46
papers

1,590
citations

257101

24
h-index

315357

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48
all docs

48
docs citations

48
times ranked

1930
citing authors

#	ARTICLE	IF	CITATIONS
1	NEK2A Interacts with MAD1 and Possibly Functions as a Novel Integrator of the Spindle Checkpoint Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 20049-20057.	1.6	110
2	Human Zwint-1 Specifies Localization of Zeste White 10 to Kinetochores and Is Essential for Mitotic Checkpoint Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 54590-54598.	1.6	106
3	Uncoupling of the spindle-checkpoint and chromosome-congression functions of BubR1. <i>Journal of Cell Science</i> , 2010, 123, 84-94.	1.2	100
4	Mitotic Regulator Mis18 ^{Δ2} 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.	1.6	78
5	Acetylation of Aurora B by TIP60 ensures accurate chromosomal segregation. <i>Nature Chemical Biology</i> , 2016, 12, 226-232.	3.9	77
6	Phosphorylation of HsMis13 by Aurora B Kinase Is Essential for Assembly of Functional Kinetochore. <i>Journal of Biological Chemistry</i> , 2008, 283, 26726-26736.	1.6	67
7	Quantitative Mass Spectrometry Analysis Reveals Similar Substrate Consensus Motif for Human Mps1 Kinase and Plk1. <i>PLoS ONE</i> , 2011, 6, e18793.	1.1	65
8	Function and regulation of Aurora/Ipl1p kinase family in cell division. <i>Cell Research</i> , 2003, 13, 69-81.	5.7	63
9	Phosphorylation of Microtubule-binding Protein Hec1 by Mitotic Kinase Aurora B Specifies Spindle Checkpoint Kinase Mps1 Signaling at the Kinetochore. <i>Journal of Biological Chemistry</i> , 2013, 288, 36149-36159.	1.6	59
10	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.	3.3	52
11	CENP-U Cooperates with Hec1 to Orchestrate Kinetochore-Microtubule Attachment. <i>Journal of Biological Chemistry</i> , 2011, 286, 1627-1638.	1.6	50
12	CENP-E Kinesin Interacts with SKAP Protein to Orchestrate Accurate Chromosome Segregation in Mitosis. <i>Journal of Biological Chemistry</i> , 2012, 287, 1500-1509.	1.6	45
13	Spatiotemporal dynamics of Aurora B-PLK1-MCAK signaling axis orchestrates kinetochore bi-orientation and faithful chromosome segregation. <i>Scientific Reports</i> , 2015, 5, 12204.	1.6	43
14	Mitotic Regulator SKAP Forms a Link between Kinetochore Core Complex KMN and Dynamic Spindle Microtubules. <i>Journal of Biological Chemistry</i> , 2012, 287, 39380-39390.	1.6	42
15	Phase separation drives decision making in cell division. <i>Journal of Biological Chemistry</i> , 2020, 295, 13419-13431.	1.6	41
16	SUV39H1 orchestrates temporal dynamics of centromeric methylation essential for faithful chromosome segregation in mitosis. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 331-340.	1.5	40
17	Probing CENP-E function in chromosome dynamics using small molecule inhibitor syntelin. <i>Cell Research</i> , 2010, 20, 1386-1389.	5.7	37
18	Recent Progress on the Localization of the Spindle Assembly Checkpoint Machinery to Kinetochores. <i>Cells</i> , 2019, 8, 278.	1.8	33

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19	Interaction of Skp1 with CENP-E at the midbody is essential for cytokinesis. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 394-402.	1.0	32
20	Mitosis-specific acetylation tunes Ran effector binding for chromosome segregation. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 18-32.	1.5	32
21	Chromatin Protein HP1 \pm Interacts with the Mitotic Regulator Borealin Protein and Specifies the Centromere Localization of the Chromosomal Passenger Complex. <i>Journal of Biological Chemistry</i> , 2014, 289, 20638-20649.	1.6	29
22	Dynamic crotonylation of EB1 by TIP60 ensures accurate spindle positioning in mitosis. <i>Nature Chemical Biology</i> , 2021, 17, 1314-1323.	3.9	29
23	Systematic expression analysis of WEE family kinases reveals the importance of PKMYT1 in breast carcinogenesis. <i>Cell Proliferation</i> , 2020, 53, e12741.	2.4	27
24	TTK kinase is essential for the centrosomal localization of TACC2. <i>FEBS Letters</i> , 2004, 572, 51-56.	1.3	25
25	Nek2A kinase regulates the localization of numatrin to centrosome in mitosis. <i>FEBS Letters</i> , 2004, 575, 112-118.	1.3	25
26	Dynamic distribution of TTK in HeLa cells: insights from an ultrastructural study. <i>Cell Research</i> , 2003, 13, 443-449.	5.7	22
27	Structural analysis of fungal CENP-H/I/K homologs reveals a conserved assembly mechanism underlying proper chromosome alignment. <i>Nucleic Acids Research</i> , 2019, 47, 468-479.	6.5	22
28	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.	1.5	22
29	Dimerization of CPAP Orchestrates Centrosome Cohesion Plasticity. <i>Journal of Biological Chemistry</i> , 2010, 285, 2488-2497.	1.6	20
30	Dynamic Autophosphorylation of Mps1 Kinase Is Required for Faithful Mitotic Progression. <i>PLoS ONE</i> , 2014, 9, e104723.	1.1	20
31	Dynamic acetylation of the kinetochore-associated protein HEC1 ensures accurate microtubule-kinetochore attachment. <i>Journal of Biological Chemistry</i> , 2019, 294, 576-592.	1.6	20
32	Structural and functional insights into the role of the N-terminal Mps1 TPR domain in the SAC (spindle assembly checkpoint). <i>Biochemical Journal</i> , 2012, 448, 321-328.	1.7	19
33	Feedback control of PLK1 by Apolo1 ensures accurate chromosome segregation. <i>Cell Reports</i> , 2021, 36, 109343.	2.9	15
34	Methylation of PLK1 by SET7/9 ensures accurate kinetochore-microtubule dynamics. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 462-476.	1.5	14
35	Mechanisms and regulation underlying membraneless organelle plasticity control. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 239-258.	1.5	14
36	NDP52 tunes cortical actin interaction with astral microtubules for accurate spindle orientation. <i>Cell Research</i> , 2019, 29, 666-679.	5.7	13

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37	The Spatiotemporal Dynamics of Chromatin Protein HP1 \pm Is Essential for Accurate Chromosome Segregation during Cell Division. <i>Journal of Biological Chemistry</i> , 2014, 289, 26249-26262.	1.6	12
38	Phosphorylation of PP1 Regulator Sds22 by PLK1 Ensures Accurate Chromosome Segregation. <i>Journal of Biological Chemistry</i> , 2016, 291, 21123-21136.	1.6	12
39	Characterization of Ring-Like F-Actin Structure as a Mechanical Partner for Spindle Positioning in Mitosis. <i>PLoS ONE</i> , 2014, 9, e102547.	1.1	11
40	Mps1 dimerization and multisite interactions with Ndc80 complex enable responsive spindle assembly checkpoint signaling. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 486-498.	1.5	10
41	Identification of FPR3 as a Unique Biomarker for Targeted Therapy in the Immune Microenvironment of Breast Cancer. <i>Frontiers in Pharmacology</i> , 2020, 11, 593247.	1.6	9
42	Expression, purification, and characterization of Tara, a novel telomere repeat-binding factor 1 (TRF1)-binding protein. <i>Protein Expression and Purification</i> , 2007, 55, 84-92.	0.6	8
43	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.	1.6	8
44	AMPK \pm 2 activation by an energy-independent signal ensures chromosomal stability during mitosis. <i>IScience</i> , 2021, 24, 102363.	1.9	4
45	Mad2 promotes Cyclin B2 recruitment to the kinetochore for guiding accurate mitotic checkpoint. <i>EMBO Reports</i> , 2022, 23, e54171.	2.0	4
46	SKAP interacts with Aurora B to guide end-on capture of spindle microtubules via phase separation. <i>Journal of Molecular Cell Biology</i> , 2022, 13, 841-852.	1.5	3