

Chuanmao Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7831752/publications.pdf>

Version: 2024-02-01

46
papers

2,299
citations

257450

24
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

4088
citing authors

#	ARTICLE	IF	CITATIONS
1	8 Å... structure of the outer rings of the <i>Xenopus laevis</i> nuclear pore complex obtained by cryo-EM and AI. <i>Protein and Cell</i> , 2022, 13, 760-777.	11.0	23
2	A design optimized prime editor with expanded scope and capability in plants. <i>Nature Plants</i> , 2022, 8, 45-52.	9.3	51
3	Sufu negatively regulates both initiations of centrosome duplication and DNA replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	2
4	SUMO proteases SENP3 and SENP5 spatiotemporally regulate the kinase activity of Aurora A. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	4
5	PLK4-phosphorylated NEDD1 facilitates cartwheel assembly and centriole biogenesis initiations. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	9
6	NuMA regulates mitotic spindle assembly, structural dynamics and function via phase separation. <i>Nature Communications</i> , 2021, 12, 7157.	12.8	23
7	Aurora B regulates PP1 ³ Repo-Man interactions to maintain the chromosome condensation state. <i>Journal of Biological Chemistry</i> , 2020, 295, 14780-14788.	3.4	2
8	K6-linked SUMOylation of BAF regulates nuclear integrity and DNA replication in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10378-10387.	7.1	12
9	Homozygous mutations in <i>DZIP1</i> can induce asthenoteratospermia with severe MMAF. <i>Journal of Medical Genetics</i> , 2020, 57, 445-453.	3.2	57
10	Plk1 kinase negatively regulates the Hedgehog signaling pathway by phosphorylating Gli1. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	7
11	Postmitotic annulate lamellae assembly contributes to nuclear envelope reconstitution in daughter cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 10383-10391.	3.4	18
12	The microtubule-associated protein EML3 regulates mitotic spindle assembly by recruiting the Augmin complex to spindle microtubules. <i>Journal of Biological Chemistry</i> , 2019, 294, 5643-5656.	3.4	12
13	Phosphorylation of importin- β 1 by CDK1-cyclin B controls mitotic spindle assembly. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	14
14	Super-resolution microscopy: successful applications in centrosome study and beyond. <i>Biophysics Reports</i> , 2019, 5, 235-243.	0.8	9
15	Patched1 ³ ArhGAP36 ³ PKA ³ Inversin axis determines the ciliary translocation of Smoothed for Sonic Hedgehog pathway activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 874-879.	7.1	30
16	CDK4 protein is degraded by anaphase-promoting complex/cyclosome in mitosis and reaccumulates in early G1 phase to initiate a new cell cycle in HeLa cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 10131-10141.	3.4	24
17	The equilibrium of ubiquitination and deubiquitination at PLK1 regulates sister chromatid separation. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2127-2134.	5.4	12
18	DAZ-interacting Protein 1 (Dzip1) Phosphorylation by Polo-like Kinase 1 (Plk1) Regulates the Centriolar Satellite Localization of the BBSome Protein during the Cell Cycle. <i>Journal of Biological Chemistry</i> , 2017, 292, 1351-1360.	3.4	24

#	ARTICLE	IF	CITATIONS
19	DNA replication licensing factor Cdc6 and Plk4 kinase antagonistically regulate centrosome duplication via Sas-6. <i>Nature Communications</i> , 2017, 8, 15164.	12.8	30
20	Designed inhibitor for nuclear localization signal of polo-like kinase 1 induces mitotic arrest. <i>Chemical Biology and Drug Design</i> , 2017, 89, 732-740.	3.2	5
21	Hypoxic mitophagy regulates mitochondrial quality and platelet activation and determines severity of I/R heart injury. <i>ELife</i> , 2016, 5, .	6.0	158
22	Vesicle Size Regulates Nanotube Formation in the Cell. <i>Scientific Reports</i> , 2016, 6, 24002.	3.3	27
23	Kinesin 1 Drives Autolysosome Tubulation. <i>Developmental Cell</i> , 2016, 37, 326-336.	7.0	129
24	Discovery of Novel Polo-Like Kinase 1 Polo-Box Domain Inhibitors to Induce Mitotic Arrest in Tumor Cells. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7089-7096.	6.4	15
25	DNA replication initiator Cdc6 also regulates ribosomal DNA transcription initiation. <i>Journal of Cell Science</i> , 2016, 129, 1429-40.	2.0	17
26	Remodeling of Mitochondrial Flashes in Muscular Development and Dystrophy in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0132567.	2.5	35
27	TPX2 phosphorylation maintains metaphase spindle length by regulating microtubule flux. <i>Journal of Cell Biology</i> , 2015, 210, 373-383.	5.2	55
28	GSK3 β -Dzip1-Rab8 Cascade Regulates Ciliogenesis after Mitosis. <i>PLoS Biology</i> , 2015, 13, e1002129.	5.6	46
29	Usp16 regulates kinetochore localization of Plk1 to promote proper chromosome alignment in mitosis. <i>Journal of Cell Biology</i> , 2015, 210, 727-735.	5.2	42
30	Spatial Compartmentalization Specializes the Function of Aurora A and Aurora B. <i>Journal of Biological Chemistry</i> , 2015, 290, 17546-17558.	3.4	39
31	The role of mitotic kinases in coupling the centrosome cycle with the assembly of the mitotic spindle. <i>Journal of Cell Science</i> , 2014, 127, 4111-22.	2.0	88
32	Hydrogen peroxide primes heart regeneration with a derepression mechanism. <i>Cell Research</i> , 2014, 24, 1091-1107.	12.0	115
33	PCM1 Recruits Plk1 to Pericentriolar Matrix to Promote Primary Cilia Disassembly before Mitotic Entry. <i>Journal of Cell Science</i> , 2013, 126, 1355-65.	2.0	132
34	Self-assembly and sorting of acentrosomal microtubules by TACC3 facilitate kinetochore capture during the mitotic spindle assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15295-15300.	7.1	23
35	Chromatin-bound NLS proteins recruit membrane vesicles and nucleoporins for nuclear envelope assembly via importin- β . <i>Cell Research</i> , 2012, 22, 1562-1575.	12.0	16
36	Novel functions of endocytic player clathrin in mitosis. <i>Cell Research</i> , 2011, 21, 1655-1661.	12.0	18

#	ARTICLE	IF	CITATIONS
37	Requirement for Lamin B Receptor and Its Regulation by Importin $\hat{1}^2$ and Phosphorylation in Nuclear Envelope Assembly during Mitotic Exit. <i>Journal of Biological Chemistry</i> , 2010, 285, 33281-33293.	3.4	30
38	Clathrin recruits phosphorylated TACC3 to spindle poles for bipolar spindle assembly and chromosome alignment. <i>Journal of Cell Science</i> , 2010, 123, 3645-3651.	2.0	68
39	Sequential phosphorylation of Nedd1 by Cdk1 and Plk1 is required for targeting of the $\hat{1}^3$ TuRC to the centrosome. <i>Journal of Cell Science</i> , 2009, 122, 2240-2251.	2.0	101
40	A single amino acid change converts Aurora-A into Aurora-B-like kinase in terms of partner specificity and cellular function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6939-6944.	7.1	82
41	Geminin is partially localized to the centrosome and plays a role in proper centrosome duplication. <i>Biology of the Cell</i> , 2009, 101, 273-285.	2.0	28
42	Roles of Aurora Kinases in Mitosis and Tumorigenesis. <i>Molecular Cancer Research</i> , 2007, 5, 1-10.	3.4	529
43	Roles for microtubule and microfilament cytoskeletons in animal cell cytokinesis. <i>Science Bulletin</i> , 2005, 50, 229-235.	1.7	3
44	Concentration of Ran on chromatin induces decondensation, nuclear envelope formation and nuclear pore complex assembly. <i>European Journal of Cell Biology</i> , 2002, 81, 623-633.	3.6	47
45	Role of Importin- $\hat{1}^2$ in the Control of Nuclear Envelope Assembly by Ran. <i>Current Biology</i> , 2002, 12, 498-502.	3.9	83
46	Observation of nuclei reassembled from demembranated <i>Xenopus</i> sperm nuclei and analysis of their lamina components. <i>Cell Research</i> , 1994, 4, 163-172.	12.0	3