

Chuanmao Zhang

List of Publications by Year in descending order

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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 | Roles of Aurora Kinases in Mitosis and Tumorigenesis. <i>Molecular Cancer Research</i> , 2007, 5, 1-10. | 3.4 | 529 |
| 2 | Hypoxic mitophagy regulates mitochondrial quality and platelet activation and determines severity of I/R heart injury. <i>ELife</i> , 2016, 5, . | 6.0 | 158 |
| 3 | 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 |
| 4 | Kinesin 1 Drives Autolysosome Tubulation. <i>Developmental Cell</i> , 2016, 37, 326-336. | 7.0 | 129 |
| 5 | Hydrogen peroxide primes heart regeneration with a derepression mechanism. <i>Cell Research</i> , 2014, 24, 1091-1107. | 12.0 | 115 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | TPX2 phosphorylation maintains metaphase spindle length by regulating microtubule flux. <i>Journal of Cell Biology</i> , 2015, 210, 373-383. | 5.2 | 55 |
| 13 | A design optimized prime editor with expanded scope and capability in plants. <i>Nature Plants</i> , 2022, 8, 45-52. | 9.3 | 51 |
| 14 | 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 |
| 15 | GSK3 $\hat{1}^2$ -Dzip1-Rab8 Cascade Regulates Ciliogenesis after Mitosis. <i>PLoS Biology</i> , 2015, 13, e1002129. | 5.6 | 46 |
| 16 | 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 |
| 17 | Spatial Compartmentalization Specializes the Function of Aurora A and Aurora B. <i>Journal of Biological Chemistry</i> , 2015, 290, 17546-17558. | 3.4 | 39 |
| 18 | Remodeling of Mitochondrial Flashes in Muscular Development and Dystrophy in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0132567. | 2.5 | 35 |

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|----|---|------|-----------|
| 19 | Requirement for Lamin B Receptor and Its Regulation by Importin β^2 and Phosphorylation in Nuclear Envelope Assembly during Mitotic Exit. <i>Journal of Biological Chemistry</i> , 2010, 285, 33281-33293. | 3.4 | 30 |
| 20 | 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 |
| 21 | Patched1 β -ArhGAP36 β -PKA β -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 |
| 22 | 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 |
| 23 | Vesicle Size Regulates Nanotube Formation in the Cell. <i>Scientific Reports</i> , 2016, 6, 24002. | 3.3 | 27 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | NuMA regulates mitotic spindle assembly, structural dynamics and function via phase separation. <i>Nature Communications</i> , 2021, 12, 7157. | 12.8 | 23 |
| 29 | Novel functions of endocytic player clathrin in mitosis. <i>Cell Research</i> , 2011, 21, 1655-1661. | 12.0 | 18 |
| 30 | 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 |
| 31 | DNA replication initiator Cdc6 also regulates ribosomal DNA transcription initiation. <i>Journal of Cell Science</i> , 2016, 129, 1429-40. | 2.0 | 17 |
| 32 | Chromatin-bound NLS proteins recruit membrane vesicles and nucleoporins for nuclear envelope assembly via importin- β^2 . <i>Cell Research</i> , 2012, 22, 1562-1575. | 12.0 | 16 |
| 33 | 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 |
| 34 | Phosphorylation of importin- β^1 by CDK1-cyclin B controls mitotic spindle assembly. <i>Journal of Cell Science</i> , 2019, 132, . | 2.0 | 14 |
| 35 | 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 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | 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 |
| 38 | Super-resolution microscopy: successful applications in centrosome study and beyond. <i>Biophysics Reports</i> , 2019, 5, 235-243. | 0.8 | 9 |
| 39 | PLK4-phosphorylated NEDD1 facilitates cartwheel assembly and centriole biogenesis initiations. <i>Journal of Cell Biology</i> , 2021, 220, . | 5.2 | 9 |
| 40 | Plk1 kinase negatively regulates the Hedgehog signaling pathway by phosphorylating Gli1. <i>Journal of Cell Science</i> , 2019, 132, . | 2.0 | 7 |
| 41 | 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 |
| 42 | SUMO proteases SENP3 and SENP5 spatiotemporally regulate the kinase activity of Aurora A. <i>Journal of Cell Science</i> , 2021, 134, . | 2.0 | 4 |
| 43 | 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 |
| 44 | Roles for microtubule and microfilament cytoskeletons in animal cell cytokinesis. <i>Science Bulletin</i> , 2005, 50, 229-235. | 1.7 | 3 |
| 45 | Aurora B regulates PP1's Repo-Man interactions to maintain the chromosome condensation state. <i>Journal of Biological Chemistry</i> , 2020, 295, 14780-14788. | 3.4 | 2 |
| 46 | 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 |