

Xuebiao Yao

List of Publications by Year in descending order

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71
papers

2,319
citations

257450

24
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233421

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all docs

73
docs citations

73
times ranked

3226
citing authors

#	ARTICLE	IF	CITATIONS
1	CENP-E forms a link between attachment of spindle microtubules to kinetochores and the mitotic checkpoint. <i>Nature Cell Biology</i> , 2000, 2, 484-491.	10.3	343
2	Systematic study of protein sumoylation: Development of a site-specific predictor of SUMOsp 2.0. <i>Proteomics</i> , 2009, 9, 3409-3412.	2.2	227
3	The Microtubule-dependent Motor Centromere-associated Protein E (CENP-E) Is an Integral Component of Kinetochores Corona Fibers That Link Centromeres to Spindle Microtubules. <i>Journal of Cell Biology</i> , 1997, 139, 435-447.	5.2	219
4	Acetylation of Aurora B by TIP60 ensures accurate chromosomal segregation. <i>Nature Chemical Biology</i> , 2016, 12, 226-232.	8.0	77
5	TIP150 interacts with and targets MCAK at the microtubule plus ends. <i>EMBO Reports</i> , 2009, 10, 857-865.	4.5	67
6	EB1 acetylation by P300/CBP-associated factor (PCAF) ensures accurate kinetochore-microtubule interactions in mitosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16564-16569.	7.1	66
7	Molecular basis for CENP-N recognition of CENP-A nucleosome on the human kinetochore. <i>Cell Research</i> , 2018, 28, 374-378.	12.0	65
8	Gastric Parietal Cell Physiology and Helicobacter pylori-Induced Disease. <i>Gastroenterology</i> , 2019, 156, 2158-2173.	1.3	65
9	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
10	Aurora A orchestrates entosis by regulating a dynamic MCAK-TIP150 interaction. <i>Journal of Molecular Cell Biology</i> , 2014, 6, 240-254.	3.3	47
11	Activation of JNK and p38 MAPK Mediated by ZDHHC17 Drives Glioblastoma Multiforme Development and Malignant Progression. <i>Theranostics</i> , 2020, 10, 998-1015.	10.0	47
12	BubR1 phosphorylates CENP-E as a switch enabling the transition from lateral association to end-on capture of spindle microtubules. <i>Cell Research</i> , 2019, 29, 562-578.	12.0	46
13	Superresolution imaging reveals structural features of EB1 in microtubule plus-end tracking. <i>Molecular Biology of the Cell</i> , 2014, 25, 4166-4173.	2.1	41
14	Phase separation drives decision making in cell division. <i>Journal of Biological Chemistry</i> , 2020, 295, 13419-13431.	3.4	41
15	SUMOylated ORC2 Recruits a Histone Demethylase to Regulate Centromeric Histone Modification and Genomic Stability. <i>Cell Reports</i> , 2016, 15, 147-157.	6.4	36
16	Angiopoietin-2, an Angiogenic Regulator, Promotes Initial Growth and Survival of Breast Cancer Metastases to the Lung through the Integrin-linked Kinase (ILK)-AKT-B Cell Lymphoma 2 (Bcl-2) Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 29249-29260.	3.4	35
17	Phospho-regulation of HsCdc14A By Polo-like Kinase 1 Is Essential for Mitotic Progression. <i>Journal of Biological Chemistry</i> , 2007, 282, 27414-27423.	3.4	34
18	Structural insights into dimethylation of 12S rRNA by TFB1M: indispensable role in translation of mitochondrial genes and mitochondrial function. <i>Nucleic Acids Research</i> , 2019, 47, 7648-7665.	14.5	33

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19	Recent Progress on the Localization of the Spindle Assembly Checkpoint Machinery to Kinetochores. <i>Cells</i> , 2019, 8, 278.	4.1	33
20	Molecular basis for arginine C-terminal degron recognition by Cul2FEM1 E3 ligase. <i>Nature Chemical Biology</i> , 2021, 17, 254-262.	8.0	33
21	Resveratrol-induced Sirt1 phosphorylation by LKB1 mediates mitochondrial metabolism. <i>Journal of Biological Chemistry</i> , 2021, 297, 100929.	3.4	33
22	SENP1 regulates IFN- β -STAT1 signaling through STAT3-SOCS3 negative feedback loop. <i>Journal of Molecular Cell Biology</i> , 2017, 9, 144-153.	3.3	32
23	Mitosis-specific acetylation tunes Ran effector binding for chromosome segregation. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 18-32.	3.3	32
24	Expression of mitochondrial genes MT-ND1, MT-ND6, MT-CYB, MT-COI, MT-ATP6, and 12S/MT-RNR1 in colorectal adenopolyps. <i>Tumor Biology</i> , 2016, 37, 12465-12475.	1.8	31
25	Dynamic crotonylation of EB1 by TIP60 ensures accurate spindle positioning in mitosis. <i>Nature Chemical Biology</i> , 2021, 17, 1314-1323.	8.0	29
26	Signaling Scaffold Protein IQGAP1 Interacts with Microtubule Plus-end Tracking Protein SKAP and Links Dynamic Microtubule Plus-end to Steer Cell Migration. <i>Journal of Biological Chemistry</i> , 2015, 290, 23766-23780.	3.4	26
27	Regulation of NDR1 activity by PLK1 ensures proper spindle orientation in mitosis. <i>Scientific Reports</i> , 2015, 5, 10449.	3.3	23
28	Acetylation of ACAP4 regulates CCL18-elicited breast cancer cell migration and invasion. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 559-572.	3.3	22
29	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.	14.5	22
30	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
31	Dimerization of CPAP Orchestrates Centrosome Cohesion Plasticity. <i>Journal of Biological Chemistry</i> , 2010, 285, 2488-2497.	3.4	20
32	Spatial Control of Proton Pump H,K-ATPase Docking at the Apical Membrane by Phosphorylation-coupled Ezrin-Syntaxin 3 Interaction. <i>Journal of Biological Chemistry</i> , 2014, 289, 33333-33342.	3.4	20
33	Dynamic acetylation of the kinetochore-associated protein HEC1 ensures accurate microtubule-kinetochore attachment. <i>Journal of Biological Chemistry</i> , 2019, 294, 576-592.	3.4	20
34	Dysbindin as a novel biomarker for pancreatic ductal adenocarcinoma identified by proteomic profiling. <i>International Journal of Cancer</i> , 2016, 139, 1821-1829.	5.1	19
35	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
36	Reactive Oxygen Species and Serous Epithelial Ovarian Adenocarcinoma. <i>Cancer Research Journal</i> , 2016, 4, 106.	0.0	19

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37	ACAP4 Protein Cooperates with Grb2 Protein to Orchestrate Epidermal Growth Factor-stimulated Integrin β 1 Recycling in Cell Migration. <i>Journal of Biological Chemistry</i> , 2011, 286, 43735-43747.	3.4	18
38	Dysbindin promotes progression of pancreatic ductal adenocarcinoma via direct activation of PI3K. <i>Journal of Molecular Cell Biology</i> , 2017, 9, 504-515.	3.3	18
39	A WNT7B-m6A-TCF7L2 positive feedback loop promotes gastric cancer progression and metastasis. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 43.	17.1	18
40	Structure and transport mechanism of the human cholesterol transporter ABCG1. <i>Cell Reports</i> , 2022, 38, 110298.	6.4	18
41	Cell Polarity Kinase MST4 Cooperates with cAMP-dependent Kinase to Orchestrate Histamine-stimulated Acid Secretion in Gastric Parietal Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 28272-28285.	3.4	16
42	Feedback control of PLK1 by Apolo1 ensures accurate chromosome segregation. <i>Cell Reports</i> , 2021, 36, 109343.	6.4	15
43	Cyclin B1: conductor of mitotic symphony orchestra. <i>Cell Research</i> , 2008, 18, 218-220.	12.0	14
44	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
45	Mechanisms and regulation underlying membraneless organelle plasticity control. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 239-258.	3.3	14
46	Differential Measurements of Oxidatively Modified Proteins in Colorectal Adenopolyps. <i>International Journal of Clinical Medicine</i> , 2015, 06, 289-299.	0.2	14
47	Mitotic Protein CSPP1 Interacts with CENP-H Protein to Coordinate Accurate Chromosome Oscillation in Mitosis. <i>Journal of Biological Chemistry</i> , 2015, 290, 27053-27066.	3.4	13
48	NDP52 tunes cortical actin interaction with astral microtubules for accurate spindle orientation. <i>Cell Research</i> , 2019, 29, 666-679.	12.0	13
49	Oxidatively Modified Proteins in the Serous Subtype of Ovarian Carcinoma. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	12
50	Phosphorylation of PP1 Regulator Sds22 by PLK1 Ensures Accurate Chromosome Segregation. <i>Journal of Biological Chemistry</i> , 2016, 291, 21123-21136.	3.4	12
51	Dysbindin promotes pancreatic ductal adenocarcinoma metastasis by activating NF- κ B/MDM2 via miR-342-3p. <i>Cancer Letters</i> , 2020, 477, 107-121.	7.2	12
52	Characterization of Ring-Like F-Actin Structure as a Mechanical Partner for Spindle Positioning in Mitosis. <i>PLoS ONE</i> , 2014, 9, e102547.	2.5	11
53	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.	3.3	10
54	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

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55	CASK modulates the assembly and function of the Mint1/Munc18-1 complex to regulate insulin secretion. <i>Cell Discovery</i> , 2020, 6, 92.	6.7	9
56	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
57	Molecular basis for PICS-mediated piRNA biogenesis and cell division. <i>Nature Communications</i> , 2021, 12, 5595.	12.8	7
58	Oct4A palmitoylation modulates tumorigenicity and stemness in human glioblastoma cells. <i>Neuro-Oncology</i> , 2023, 25, 82-96.	1.2	7
59	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
60	The Cdc42 GTPase-activating protein Rga6 promotes the cortical localization of septin. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	5
61	Comparison of Pre- and Post-translational Expressions of COXIV-1 and MT-ATPase 6 Genes in Colorectal Adenoma-Carcinoma Tissues [NIH-NIGMS]. <i>Journal of Carcinogenesis & Mutagenesis</i> , 2018, 09, .	0.3	4
62	Mad2 promotes Cyclin B2 recruitment to the kinetochore for guiding accurate mitotic checkpoint. <i>EMBO Reports</i> , 2022, 23, e54171.	4.5	4
63	Chk1 prevents abnormal mitosis of S-phase HeLa cells containing DNA damage. <i>Science Bulletin</i> , 2009, 54, 4205-4213.	1.7	3
64	Conformational Selection in Ligand Recognition by the First Tudor Domain of PHF20L1. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7932-7938.	4.6	3
65	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.	3.3	3
66	Fragment-Based Discovery of AF9 YEATS Domain Inhibitors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3893.	4.1	3
67	Syntelin inhibits triple-negative breast cancer cell proliferation and metastasis. <i>Journal of Molecular Cell Biology</i> , 2022, 13, 834-837.	3.3	2
68	Tubulin-binding peptide RR171 derived from human umbilical cord serum displays antitumor activity against hepatocellular carcinoma via inducing apoptosis and activating the NF- κ B pathway. <i>Cell Proliferation</i> , 2022, 55, e13241.	5.3	2
69	Differential Expression Profiles of Mitogenome Associated MicroRNAs Among Colorectal Adenomatous Polyps. <i>Cancer Research Journal</i> , 2021, 9, 23-33.	0.0	1
70	Potent antitumor activity of a glutamyltransferase-derived peptide via an activation of oncosis pathway. <i>Scientific Reports</i> , 2021, 11, 16507.	3.3	0
71	Bubristatins inhibit BubR1-dependent signaling by interrogating BubR1-CENP-E interaction. <i>FASEB Journal</i> , 2015, 29, 723.6.	0.5	0