Bo Liu

List of Publications by Year
in descending order

51	3,196	136950 32	182427 51
papers	citations	h-index	g-index

55	55	55	2113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Katanin-like Protein Regulates Normal Cell Wall gBiosynthesis and Cell Elongation. Plant Cell, 2001, 13, 807-827.	6.6	330
2	The Aspergillus cytoplasmic dynein heavy chain and NUDF localize to microtubule ends and affect microtubule dynamics. Current Biology, 2001, 11, 719-724.	3.9	175
3	An Internal Motor Kinesin Is Associated with the Golgi Apparatus and Plays a Role in Trichome Morphogenesis in Arabidopsis. Molecular Biology of the Cell, 2005, 16, 811-823.	2.1	147
4	Cytoskeletal Motors in Arabidopsis. Sixty-One Kinesins and Seventeen Myosins. Plant Physiology, 2004, 136, 3877-3883.	4.8	138
5	A Plant-Specific Kinesin Binds to Actin Microfilaments and Interacts with Cortical Microtubules in Cotton Fibers. Plant Physiology, 2004, 136, 3945-3955.	4.8	128
6	Two Microtubule-Associated Proteins of the Arabidopsis MAP65 Family Function Differently on Microtubules. Plant Physiology, 2005, 138, 654-662.	4.8	123
7	Two Arabidopsis Phragmoplast-Associated Kinesins Play a Critical Role in Cytokinesis during Male Gametogenesis. Plant Cell, 2007, 19, 2595-2605.	6.6	112
8	Identification of a phragmoplast-associated kinesin-related protein in higher plants. Current Biology, 2000, 10, 797-800.	3.9	105
9	A Novel Plant Kinesin-Related Protein Specifically Associates with the Phragmoplast Organelles. Plant Cell, 2001, 13, 2427-2439.	6.6	105
10	Organization of cortical microfilaments in dividing root cells. Cytoskeleton, 1992, 23, 252-264.	4.4	101
11	Interaction of Antiparallel Microtubules in the Phragmoplast Is Mediated by the Microtubule-Associated Protein MAP65-3 inArabidopsisÂ. Plant Cell, 2011, 23, 2909-2923.	6.6	98
12	The WD40 Repeat Protein NEDD1 Functions in Microtubule Organization during Cell Division inArabidopsis thalianaÂ. Plant Cell, 2009, 21, 1129-1140.	6.6	96
13	The â€œ8-kDâ€•Cytoplasmic Dynein Light Chain Is Required for Nuclear Migration and for Dynein Heavy Chain Localization in Aspergillus nidulans. Journal of Cell Biology, 1998, 143, 1239-1247.	5.2	89
14	Characterization of the Arabidopsis Augmin Complex Uncovers Its Critical Function in the Assembly of the Acentrosomal Spindle and Phragmoplast Microtubule Arrays. Plant Cell, 2012, 24, 1494-1509.	6.6	88
15	Kinesin-4 Functions in Vesicular Transport on Cortical Microtubules and Regulates Cell Wall Mechanics during Cell Elongation in Plants. Molecular Plant, 2015, 8, 1011-1023.	8.3	83
16	Augmin Plays a Critical Role in Organizing the Spindle and Phragmoplast Microtubule Arrays in Arabidopsis. Plant Cell, 2011, 23, 2606-2618.	6.6	82
17	The Î³ -Tubulin Complex Protein GCP4 Is Required for Organizing Functional Microtubule Arrays inArabidopsis thalianaÂ. Plant Cell, 2010, 22, 191-204.	6.6	78
18	Augmin Triggers Microtubule-Dependent Microtubule Nucleation in Interphase Plant Cells. Current Biology, 2014, 24, 2708-2713.	3.9	78

#	Article	IF	Citations
19	The Cotton Kinesin-Like Calmodulin-Binding Protein Associates with Cortical Microtubules in Cotton Fibers. Plant Physiology, 2003, 132, 154-160.	4.8	72
20	Arabidopsis <scp>MAP</scp>65â€4 plays a role in phragmoplast microtubule organization and marks the cortical cell division site. New Phytologist, 2017, 215, 187-201.	7.3	65
21	Evaluating the microtubule cytoskeleton and its interacting proteins in monocots by mining the rice genome. Annals of Botany, 2009, 103, 387-402.	2.9	61
22	Arabidopsis Microtubule-Associated Protein MAP65-3 Cross-Links Antiparallel Microtubules toward Their Plus Ends in the Phragmoplast via Its Distinct C-Terminal Microtubule Binding Domain. Plant Cell, 2012, 24, 2071-2085.	6.6	60
23	The rise and fall of the phragmoplast microtubule array. Current Opinion in Plant Biology, 2013, 16, 757-763.	7.1	59
24	Experimental manipulation of ?-tubulin distribution inarabidopsis using anti-microtubule drugs. Cytoskeleton, 1995, 31, 113-129.	4.4	51
25	Isolation of Mutations That Bypass the Requirement of the Septation Initiation Network for Septum Formation and Conidiation in Aspergillus nidulans. Genetics, 2006, 173, 685-696.	2.9	49
26	Microtubule nucleation for the assembly of acentrosomal microtubule arrays in plant cells. New Phytologist, 2019, 222, 1705-1718.	7.3	48
27	?-Tubulin is associated with a cortical-microtubule-organizing zone in the developing guard cells of Allium cepa L.. Planta, 1993, 191, 357-61.	3.2	46
28	Timely Septation Requires SNAD-dependent Spindle Pole Body Localization of the Septation Initiation Network Components in the Filamentous FungusAspergillus nidulans. Molecular Biology of the Cell, 2009, 20, 2874-2884.	2.1	44
29	Localization of two homologous Arabidopsis kinesin-related proteins in the phragmoplast. Planta, 2004, 220, 156-164.	3.2	43
30	The requirement of the LC8 dynein light chain for nuclear migration and septum positioning is temperature dependent in Aspergillus nidulans. Molecular Microbiology, 2003, 47, 291-301.	2.5	42
31	A spindle pole body-associated protein, SNAD, affects septation and conidiation in Aspergillus nidulans. Molecular Genetics and Genomics, 2000, 263, 375-387.	2.4	41
32	Kinesin-Related Proteins in Plant Cytokinesis. Journal of Plant Growth Regulation, 2001, 20, 141-150.	5.1	41
33	The Mitotic Function of Augmin Is Dependent on Its Microtubule-Associated Protein Subunit EDE1 in Arabidopsis thaliana. Current Biology, 2017, 27, 3891-3897.e4.	3.9	36
34	Establishment of a mitotic model system by transient expression of the Dâ€type cyclin in differentiated leaf cells of tobacco (Nicotiana benthamiana). New Phytologist, 2020, 226, 1213-1220.	7.3	32
35	Kinetochore fiber formation in dividing generative cells of Tradescantia KInetochore reorientatlon associated with the transition between lateral microtubuie interactions and end-on kinetochore fibers. Journal of Cell Science, 1991, 98, 475-482.	2.0	31
36	Role of the BUB3 protein in phragmoplast microtubule reorganization during cytokinesis. Nature Plants, 2018, 4, 485-494.	9.3	27

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37	A Kinesin-Like Protein, KatAp, in the Cells of Arabidopsis and Other Plants. Plant Cell, 1996, 8, 119.	6.6	26
38	The preprophase band-associated kinesin-14 OsKCH2 is a processive minus-end-directed microtubule motor. Nature Communications, 2018, 9, 1067.	12.8	26
39	The PGS1 basic helixâ€loopâ€helix protein regulates Fl3 to impact seed growth and grain yield in cereals. Plant Biotechnology Journal, 2022, 20, 1311-1326.	8.3	23
40	Microtubule plus endâ€tracking proteins play critical roles in directional growth of hyphae by regulating the dynamics of cytoplasmic microtubules in <scp>A</scp>spergillus nidulans. Molecular Microbiology, 2014, 94, 506-521.	2.5	18
41	Kinesin motors in plants: from subcellular dynamics to motility regulation. Current Opinion in Plant Biology, 2015, 28, 120-126.	7.1	17
42	TPX2-LIKE PROTEIN3 Is the Primary Activator of Î±-Aurora Kinases and Is Essential for Embryogenesis. Plant Physiology, 2019, 180, 1389-1405.	4.8	16
43	Spindle Assembly and Mitosis in Plants. Annual Review of Plant Biology, 2022, 73, 227-254.	18.7	16
44	Microtubule Reorganization during Mitosis and Cytokinesis: Lessons Learned from Developing Microgametophytes in Arabidopsis Thaliana. Frontiers in Plant Science, 2011, 2, 27.	3.6	13
45	The Î³-tubulin complex protein GCP6 is crucial for spindle morphogenesis but not essential for microtubule reorganization in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 27115-27123.	7.1	12
46	Microtubule Organization in the Phragmoplast. Advances in Plant Biology, 2011, , 207-225.	0.8	9
47	CAPPI: A Cytoskeleton-Based Localization Assay Reports Protein-Protein Interaction in Living Cells by Fluorescence Microscopy. Molecular Plant, 2017, 10, 1473-1476.	8.3	8
48	Cytoskeletal Motor Proteins in Plant Cell Division. Plant Cell Monographs, 2007, , 169-193.	0.4	3
49	Identification of kinesin-related proteins in the phragmoplast. Cell Biology International, 2003, 27, 227-228.	3.0	2
50	Microtubule Disassembly: When a Sleeper Is Activated. Current Biology, 2013, 23, R932-R933.	3.9	1
51	Disarming PI(4,5)P2 in the plasma membrane. Nature Plants, 2021, 7, 552-553.	9.3	1