Yansong Miao

List of Publications by Year in descending order

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60	3,243	218381	155451
papers	citations	26 h-index	55 g-index

67	67	67	4408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transformable hybrid semiconducting polymer nanozyme for second near-infrared photothermal ferrotherapy. Nature Communications, 2020, 11, 1857.	5.8	294
2	A role for theAtMTP11gene of Arabidopsis in manganese transport and tolerance. Plant Journal, 2007, 51, 198-210.	2.8	235
3	EXPO, an Exocyst-Positive Organelle Distinct from Multivesicular Endosomes and Autophagosomes, Mediates Cytosol to Cell Wall Exocytosis inArabidopsisand Tobacco Cells Â. Plant Cell, 2011, 22, 4009-4030.	3.1	229
4	Isolation and proteomic analysis of the SYP61 compartment reveal its role in exocytic trafficking in Arabidopsis. Cell Research, 2012, 22, 413-424.	5.7	211
5	Transient expression of fluorescent fusion proteins in protoplasts of suspension cultured cells. Nature Protocols, 2007, 2, 2348-2353.	5.5	206
6	Nearâ€Infrared Afterglow Semiconducting Nanoâ€Polycomplexes for the Multiplex Differentiation of Cancer Exosomes. Angewandte Chemie - International Edition, 2019, 58, 4983-4987.	7.2	170
7	Dendronized Semiconducting Polymer as Photothermal Nanocarrier for Remote Activation of Gene Expression. Angewandte Chemie - International Edition, 2017, 56, 9155-9159.	7.2	147
8	Reaction-Based Semiconducting Polymer Nanoprobes for Photoacoustic Imaging of Protein Sulfenic Acids. ACS Nano, 2017, 11, 358-367.	7.3	145
9	Wortmannin induces homotypic fusion of plant prevacuolar compartments*. Journal of Experimental Botany, 2009, 60, 3075-3083.	2.4	134
10	Localization of Green Fluorescent Protein Fusions with the Seven Arabidopsis Vacuolar Sorting Receptors to Prevacuolar Compartments in Tobacco BY-2 Cells. Plant Physiology, 2006, 142, 945-962.	2.3	125
11	Orm protein phosphoregulation mediates transient sphingolipid biosynthesis response to heat stress via the Pkh-Ypk and Cdc55-PP2A pathways. Molecular Biology of the Cell, 2012, 23, 2388-2398.	0.9	125
12	A Photolabile Semiconducting Polymer Nanotransducer for Nearâ€Infrared Regulation of CRISPR/Cas9 Gene Editing. Angewandte Chemie - International Edition, 2019, 58, 18197-18201.	7.2	114
13	Salicylic acid-mediated plasmodesmal closure via Remorin-dependent lipid organization. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21274-21284.	3.3	102
14	Overexpression of Arabidopsis AGD7 Causes Relocation of Golgi-Localized Proteins to the Endoplasmic Reticulum and Inhibits Protein Trafficking in Plant Cells. Plant Physiology, 2007, 143, 1601-1614.	2.3	70
15	The vacuolar transport of aleurainâ€GFP and 2S albuminâ€GFP fusions is mediated by the same preâ€vacuolar compartments in tobacco BYâ€2 and Arabidopsis suspension cultured cells. Plant Journal, 2008, 56, 824-839.	2.8	69
16	Dendronized Semiconducting Polymer as Photothermal Nanocarrier for Remote Activation of Gene Expression. Angewandte Chemie, 2017, 129, 9283-9287.	1.6	52
17	QUASIMODO 3 (QUA3) is a putative homogalacturonan methyltransferase regulating cell wall biosynthesis in Arabidopsis suspension-cultured cells. Journal of Experimental Botany, 2011, 62, 5063-5078.	2.4	50
18	Production of active human glucocerebrosidase in seeds of Arabidopsis thaliana complex-glycan-deficient (cgl) plants. Glycobiology, 2012, 22, 492-503.	1.3	48

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19	Nearâ€Infrared Afterglow Semiconducting Nanoâ€Polycomplexes for the Multiplex Differentiation of Cancer Exosomes. Angewandte Chemie, 2019, 131, 5037-5041.	1.6	43
20	Profilin Negatively Regulates Formin-Mediated Actin Assembly to Modulate PAMP-Triggered Plant Immunity. Current Biology, 2018, 28, 1882-1895.e7.	1.8	42
21	Cell-cycle regulation of formin-mediated actin cable assembly. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4446-55.	3.3	40
22	Salicylic acid regulates PIN2 auxin transporter hyperclustering and root gravitropic growth via Remorinâ€dependent lipid nanodomain organisation in Arabidopsis thaliana. New Phytologist, 2021, 229, 963-978.	3.5	40
23	Plasma Membrane Localization and Potential Endocytosis of Constitutively Expressed XA21 Proteins in Transgenic Rice. Molecular Plant, 2010, 3, 917-926.	3.9	38
24	Homomeric Interaction of AtVSR1 Is Essential for Its Function as a Vacuolar Sorting Receptor. Plant Physiology, 2010, 154, 134-148.	2.3	34
25	Polarisome scaffolder Spa2-mediated macromolecular condensation of Aip5 for actin polymerization. Nature Communications, 2019, 10, 5078.	5.8	34
26	Xanthomonas effector XopR hijacks host actin cytoskeleton via complex coacervation. Nature Communications, 2021, 12, 4064.	5.8	34
27	Fimbrin phosphorylation by metaphase Cdk1 regulates actin cable dynamics in budding yeast. Nature Communications, 2016, 7, 11265.	5.8	32
28	Membrane nanodomains modulate formin condensation for actin remodeling in Arabidopsis innate immune responses. Plant Cell, 2022, 34, 374-394.	3.1	31
29	Phosphoâ€regulation of intrinsically disordered proteins for actin assembly and endocytosis. FEBS Journal, 2018, 285, 2762-2784.	2.2	30
30	Potentiation of plant defense by bacterial outer membrane vesicles is mediated by membrane nanodomains. Plant Cell, 2022, 34, 395-417.	3.1	26
31	Formin nanoclustering-mediated actin assembly during plant flagellin and DSF signaling. Cell Reports, 2021, 34, 108884.	2.9	25
32	The bacterial quorum sensing signal DSF hijacks Arabidopsis thaliana sterol biosynthesis to suppress plant innate immunity. Life Science Alliance, 2020, 3, e202000720.	1.3	23
33	Structure of Arabidopsis CESA3 catalytic domain with its substrate UDP-glucose provides insight into the mechanism of cellulose synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
34	Plant Bioreactors for Pharmaceuticals. Biotechnology and Genetic Engineering Reviews, 2008, 25, 363-380.	2.4	21
35	The small GTPase RABA2a recruits SNARE proteins to regulate the secretory pathway in parallel with the exocyst complex in Arabidopsis. Molecular Plant, 2022, 15, 398-418.	3.9	20
36	An Effective Recombinant Protein Expression and Purification System in Saccharomyces cerevisiae. Current Protocols in Molecular Biology, 2018, 123, e62.	2.9	18

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37	Discovery, biosynthesis and antifungal mechanism of the polyene-polyol meijiemycin. Chemical Communications, 2020, 56, 822-825.	2.2	16
38	Orchestrated actin nucleation by the Candida albicans polarisome complex enables filamentous growth. Journal of Biological Chemistry, 2020, 295, 14840-14854.	1.6	16
39	Production and characterization of soluble human lysosomal enzyme Î±-iduronidase with high activity from culture media of transgenic tobacco BY-2 cells. Plant Science, 2009, 177, 668-675.	1.7	15
40	A Photolabile Semiconducting Polymer Nanotransducer for Nearâ€Infrared Regulation of CRISPR/Cas9 Gene Editing. Angewandte Chemie, 2019, 131, 18365-18369.	1.6	15
41	Leaf morphogenesis: The multifaceted roles of mechanics. Molecular Plant, 2022, 15, 1098-1119.	3.9	15
42	Molecular Characterization of Plant Prevacuolar and Endosomal Compartments. Journal of Integrative Plant Biology, 2007, 49, 1119-1128.	4.1	12
43	Structural and computational examination of the Arabidopsis profilinâ€“Poly-P complex reveals mechanistic details in profilin-regulated actin assembly. Journal of Biological Chemistry, 2019, 294, 18650-18661.	1.6	12
44	Xanthomonas campestris Promotes Diffusible Signal Factor Biosynthesis and Pathogenicity by Utilizing Glucose and Sucrose from Host Plants. Molecular Plant-Microbe Interactions, 2019, 32, 157-166.	1.4	12
45	Polarisome assembly mediates actin remodeling during polarized yeast and fungal growth. Journal of Cell Science, 2021, 134, .	1.2	11
46	Targeting and processing of membrane-anchored YFP fusion proteins to protein storage vacuoles in transgenic tobacco seeds. Seed Science Research, 2005, 15, 361-364.	0.8	7
47	Response to Gomord et al.: Golgi-bypassing: delivery of biopharmaceutical proteins to protein storage vacuoles in plant bioreactors. Trends in Biotechnology, 2006, 24, 147-149.	4.9	6
48	Membrane anchors effectively traffic recombinant human glucocerebrosidase to the protein storage vacuole of Arabidopsis seeds but do not adequately control N-glycan maturation. Plant Cell Reports, 2014, 33, 2023-2032.	2.8	4
49	A rapid and efficient method to study the function of crop plant transporters in Arabidopsis. Protoplasma, 2017, 254, 737-747.	1.0	4
50	Review: F-Actin remodelling during plant signal transduction via biomolecular assembly. Plant Science, 2020, 301, 110663.	1.7	4
51	Molecular condensation and mechanoregulation of plant class I formin, an integrinâ€like actin nucleator. FEBS Journal, 2023, 290, 3336-3354.	2.2	3
52	Quantitative analysis of actin filament assembly in yeast and plant by live cell fluorescence microscopy. Micron, 2017, 103, 78-83.	1.1	2
53	Purification of Globular Actin from Rabbit Muscle and Pyrene Fluorescent Assays to Investigate Actin Dynamics in vitro. Bio-protocol, 2018, 8, e3102.	0.2	2
54	A teamwork promotion of formin-mediated actin nucleation by Bud6 and Aip5 in Saccharomyces cerevisiae. Molecular Biology of the Cell, 2022, 33, mbcE21060285.	0.9	2

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55	Quantitative Analysis of Clathrin-Mediated Endocytosis in Yeast by Live Cell Fluorescence Microscopy. Methods in Molecular Biology, 2018, 1847, 225-237.	0.4	1
56	Analysis of Membrane Protein Topology in the Plant Secretory Pathway. Methods in Molecular Biology, 2017, 1662, 87-95.	0.4	0
57	Intrinsically Disordered Region of Actin Binding Protein Regulates Dynamic Actin Assembly. Biophysical Journal, 2018, 114, 648a.	0.2	0
58	Biogenesis of the compound seed protein storage vacuole.. , 0, , 112-119.		0
59	Molecular mechanisms of protein degradation in germinating seeds.. , 0, , 279-286.		0
60	PLANT BIOREACTORS FOR PHARMACEUTICALS. , 0, , 363-380.		0