

Yiing Gu

List of Publications by Year in descending order

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47
papers

4,492
citations

126907

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49
docs citations

49
times ranked

4033
citing authors

#	ARTICLE	IF	CITATIONS
1	Chimeric blood vessels sustained development of the xenogeneic antler: a unique model for xenogeneic organ generation. , 2023, 2, .		3
2	Cell biology of primary cell wall synthesis in plants. <i>Plant Cell</i> , 2022, 34, 103-128.	6.6	36
3	A historical perspective on the regulation of cellulose biosynthesis. <i>Carbohydrate Polymers</i> , 2021, 252, 117022.	10.2	28
4	Disruption of Very-Long-Chain-Fatty Acid Synthesis Has an Impact on the Dynamics of Cellulose Synthase in <i>Arabidopsis thaliana</i> . <i>Plants</i> , 2020, 9, 1599.	3.5	3
5	Distinguishing Mesoscale Polar Order (Unidirectional vs Bidirectional) of Cellulose Microfibrils in Plant Cell Walls Using Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8071-8081.	2.6	13
6	Cellulose synthase interactive1- and microtubule-dependent cell wall architecture is required for acid growth in <i>Arabidopsis hypocotyls</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 2982-2994.	4.8	18
7	Cellulose and Hemicellulose Synthesis and Their Regulation in Plant Cells. <i>Biologically-inspired Systems</i> , 2019, , 303-353.	0.2	4
8	Impact of acidic pH on plant cell wall polysaccharide structure and dynamics: insights into the mechanism of acid growth in plants from solid-state NMR. <i>Cellulose</i> , 2019, 26, 291-304.	4.9	56
9	CSI1, PATROL1, and exocyst complex cooperate in delivery of cellulose synthase complexes to the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3578-E3587.	7.1	85
10	Differential Regulation of Clathrin and Its Adaptor Proteins during Membrane Recruitment for Endocytosis. <i>Plant Physiology</i> , 2016, 171, 215-229.	4.8	56
11	Cellulose synthase complexes act in a concerted fashion to synthesize highly aggregated cellulose in secondary cell walls of plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11348-11353.	7.1	86
12	ATF4 Gene Network Mediates Cellular Response to the Anticancer PAD Inhibitor YW3-56 in Triple-Negative Breast Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 877-888.	4.1	55
13	Microtubules and cellulose biosynthesis: the emergence of new players. <i>Current Opinion in Plant Biology</i> , 2015, 28, 76-82.	7.1	34
14	CELLULOSE SYNTHASE INTERACTIVE1 Is Required for Fast Recycling of Cellulose Synthase Complexes to the Plasma Membrane in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, tpc.15.00442.	6.6	57
15	The TWD40-2 protein and the AP2 complex cooperate in the clathrin-mediated endocytosis of cellulose synthase to regulate cellulose biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12870-12875.	7.1	80
16	Using the Split-Ubiquitin Yeast Two-Hybrid System to Test Protein-Protein Interactions of Transmembrane Proteins. <i>Methods in Molecular Biology</i> , 2015, 1242, 143-158.	0.9	5
17	Acetobixan, an Inhibitor of Cellulose Synthesis Identified by Microbial Bioprospecting. <i>PLoS ONE</i> , 2014, 9, e95245.	2.5	12
18	Dissecting the molecular mechanism underlying the intimate relationship between cellulose microfibrils and cortical microtubules. <i>Frontiers in Plant Science</i> , 2014, 5, 90.	3.6	28

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19	Cellulose Synthesis and Its Regulation. <i>The Arabidopsis Book</i> , 2014, 12, e0169.	0.5	119
20	Indaziflam Herbicidal Action: A Potent Cellulose Biosynthesis Inhibitor. <i>Plant Physiology</i> , 2014, 166, 1177-1185.	4.8	75
21	Cell Wall, Cytoskeleton, and Cell Expansion in Higher Plants. <i>Molecular Plant</i> , 2014, 7, 586-600.	8.3	172
22	CELLULOSE SYNTHASE INTERACTIVE3 Regulates Cellulose Biosynthesis in Both a Microtubule-Dependent and Microtubule-Independent Manner in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 25, 4912-4923.	6.6	63
23	The <i>jiaoyao1</i> Mutant Is an Allele of <i>korriگان1</i> That Abolishes Endoglucanase Activity and Affects the Organization of Both Cellulose Microfibrils and Microtubules in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 2601-2616.	6.6	63
24	The trafficking of the cellulose synthase complex in higher plants. <i>Annals of Botany</i> , 2014, 114, 1059-1067.	2.9	61
25	AtPRK2 Promotes ROP1 Activation via RopGEFs in the Control of Polarized Pollen Tube Growth. <i>Molecular Plant</i> , 2013, 6, 1187-1201.	8.3	130
26	The Endocytosis of Cellulose Synthase in <i>Arabidopsis</i> Is Dependent on $\hat{1}42$, a Clathrin-Mediated Endocytosis Adaptor. <i>Plant Physiology</i> , 2013, 163, 150-160.	4.8	145
27	Functional analysis of complexes with mixed primary and secondary cellulose synthases. <i>Plant Signaling and Behavior</i> , 2013, 8, e23179.	2.4	27
28	Complexes with Mixed Primary and Secondary Cellulose Synthases Are Functional in <i>Arabidopsis</i> Plants. <i>Plant Physiology</i> , 2012, 160, 726-737.	4.8	95
29	Cellulose synthase interactive protein 1 (CS11) mediates the intimate relationship between cellulose microfibrils and cortical microtubules. <i>Plant Signaling and Behavior</i> , 2012, 7, 714-718.	2.4	38
30	Making parallel lines meet. <i>Cell Adhesion and Migration</i> , 2012, 6, 404-408.	2.7	22
31	Anticancer Peptidylarginine Deiminase (PAD) Inhibitors Regulate the Autophagy Flux and the Mammalian Target of Rapamycin Complex 1 Activity. <i>Journal of Biological Chemistry</i> , 2012, 287, 25941-25953.	3.4	133
32	Cellulose Synthase Complexes: Composition and Regulation. <i>Frontiers in Plant Science</i> , 2012, 3, 75.	3.6	67
33	Cellulose synthase interactive protein 1 (CS11) links microtubules and cellulose synthase complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 185-190.	7.1	275
34	The trafficking and behavior of cellulose synthase and a glimpse of potential cellulose synthesis regulators. <i>Frontiers in Biology</i> , 2011, 6, 377-383.	0.7	7
35	Identification of a cellulose synthase-associated protein required for cellulose biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12866-12871.	7.1	228
36	Cellulose synthase interacting protein. <i>Plant Signaling and Behavior</i> , 2010, 5, 1571-1574.	2.4	36

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37	The <i>Arabidopsis</i> Small G Protein ROP2 Is Activated by Light in Guard Cells and Inhibits Light-Induced Stomatal Opening. <i>Plant Cell</i> , 2008, 20, 75-87.	6.6	55
38	Prefoldin 6 is required for normal microtubule dynamics and organization in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18064-18069.	7.1	56
39	RIP1 (ROP Interactive Partner 1)/ICR1 Marks Pollen Germination Sites and May Act in the ROP1 Pathway in the Control of Polarized Pollen Growth. <i>Molecular Plant</i> , 2008, 1, 1021-1035.	8.3	85
40	Members of a Novel Class of <i>Arabidopsis</i> Rho Guanine Nucleotide Exchange Factors Control Rho GTPase-Dependent Polar Growth. <i>Plant Cell</i> , 2006, 18, 366-381.	6.6	220
41	Oscillatory ROP GTPase Activation Leads the Oscillatory Polarized Growth of Pollen Tubes. <i>Molecular Biology of the Cell</i> , 2005, 16, 5385-5399.	2.1	197
42	A Rho family GTPase controls actin dynamics and tip growth via two counteracting downstream pathways in pollen tubes. <i>Journal of Cell Biology</i> , 2005, 169, 127-138.	5.2	314
43	<i>Arabidopsis</i> Interdigitating Cell Growth Requires Two Antagonistic Pathways with Opposing Action on Cell Morphogenesis. <i>Cell</i> , 2005, 120, 687-700.	28.9	517
44	Phosphatidic Acid Induces Leaf Cell Death in <i>Arabidopsis</i> by Activating the Rho-Related Small G Protein GTPase-Mediated Pathway of Reactive Oxygen Species Generation. <i>Plant Physiology</i> , 2004, 134, 129-136.	4.8	151
45	ROP/RAC GTPase: an old new master regulator for plant signaling. <i>Current Opinion in Plant Biology</i> , 2004, 7, 527-536.	7.1	156
46	ROP GTPase regulation of pollen tube growth through the dynamics of tip-localized F-actin. <i>Journal of Experimental Botany</i> , 2003, 54, 93-101.	4.8	149
47	A Genome-Wide Analysis of <i>Arabidopsis</i> Rop-Interactive CRIB Motif-Containing Proteins That Act as Rop GTPase Targets. <i>Plant Cell</i> , 2001, 13, 2841-2856.	6.6	174