

Tian Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

856
citations

933447

10
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

1083
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial organization of cellulose microfibrils and matrix polysaccharides in primary plant cell walls as imaged by multichannel atomic force microscopy. <i>Plant Journal</i> , 2016, 85, 179-192.	5.7	198
2	Xyloglucan Deficiency Disrupts Microtubule Stability and Cellulose Biosynthesis in Arabidopsis, Altering Cell Growth and Morphogenesis. <i>Plant Physiology</i> , 2016, 170, 234-249.	4.8	143
3	Nanoscale movements of cellulose microfibrils in primary cell walls. <i>Nature Plants</i> , 2017, 3, 17056.	9.3	121
4	Visualization of the nanoscale pattern of recently-deposited cellulose microfibrils and matrix materials in never-dried primary walls of the onion epidermis. <i>Cellulose</i> , 2014, 21, 853-862.	4.9	98
5	Disentangling loosening from softening: insights into primary cell wall structure. <i>Plant Journal</i> , 2019, 100, 1101-1117.	5.7	96
6	The <i>korriyan1</i> Mutant Is an Allele of <i>korriyan1</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
7	SQUA-like genes in the orchid <i>Phalaenopsis</i> are expressed in both vegetative and reproductive tissues. <i>Planta</i> , 2007, 226, 369-380.	3.2	46
8	Cellulose synthase interactive1- and microtubule-dependent cell wall architecture is required for acid growth in <i>Arabidopsis</i> hypocotyls. <i>Journal of Experimental Botany</i> , 2020, 71, 2982-2994.	4.8	18
9	Foliar manganese spray induces the resistance of cucumber to <i>Colletotrichum lagenarium</i> . <i>Journal of Plant Physiology</i> , 2020, 246-247, 153129.	3.5	15
10	Biomechanical Characterization of Onion Epidermal Cell Walls. <i>Bio-protocol</i> , 2017, 7, e2662.	0.4	14
11	Preparation of Onion Epidermal Cell Walls for Imaging by Atomic Force Microscopy (AFM). <i>Bio-protocol</i> , 2017, 7, e2647.	0.4	13
12	Cloning and Characterization of a PI-like MADS-Box Gene in <i>Phalaenopsis</i> Orchid. <i>BMB Reports</i> , 2007, 40, 845-852.	2.4	13
13	Cloning and characterization of a novel PI-like MADS-box gene in <i>Phalaenopsis</i> orchid. <i>DNA Sequence</i> , 2008, 19, 332-339.	0.7	8
14	Peripheral? Not Really! The Extracellular Arabinogalactan Proteins Function in Calcium Signaling. <i>Plant Cell</i> , 2020, 32, 3057-3058.	6.6	2
15	Autonomous endosperm development in embryo-free seeds. <i>Plant Cell</i> , 2021, 33, 1091-1092.	6.6	2
16	En Garde: CRK2 Preassociates with RBOHD and Regulates ROS Production. <i>Plant Cell</i> , 2020, 32, 801-802.	6.6	2
17	When Less Is More: GSK2-OML4 Module Negatively Regulates Grain Size in Rice. <i>Plant Cell</i> , 2020, 32, 1781-1781.	6.6	1
18	The Butterfly Effect: Natural Variation of a Chloroplast tRNA-Modifying Enzyme Leads to Pleiotropic Developmental Defects in Rice. <i>Plant Cell</i> , 2020, 32, 2073-2074.	6.6	1

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19	Connecting the dots: Membrane nanodomains mediate clustering of actin-nucleator Type I formins in Arabidopsis immune responses. <i>Plant Cell</i> , 2022, 34, 6-7.	6.6	1
20	DREPP in Nanodomains Regulates Microtubule Fragmentation during Symbiotic Infection. <i>Plant Cell</i> , 2020, 32, 1357-1358.	6.6	0
21	Comparative transcriptome analysis identifies a positive regulator of wheat rust susceptibility that modulates amino acid metabolism. <i>Plant Cell</i> , 2021, 33, 1409-1410.	6.6	0
22	Tick-tock: BBX19 functions as a novel regulator of the circadian clock. <i>Plant Cell</i> , 2021, 33, 2511-2512.	6.6	0
23	Through the looking-glass: structured illumination microscopy reveals new dynamic behaviors of cellulose synthase. <i>Plant Cell</i> , 2022, 34, 4-5.	6.6	0