Ji Zhou

List of Publications by Year
in descending order

20 papers	1,474 citations	623734 14 h-index	794594 19 g-index
25 all docs	25 docs citations	25 times ranked	2671 citing authors

#	Article	IF	Citations
1	Genomic innovation for crop improvement. Nature, 2017, 543, 346-354.	27.8	301
2	Spatio-Temporal Cellular Dynamics of the <i>Arabidopsis</i> Flagellin Receptor Reveal Activation Status-Dependent Endosomal Sorting. Plant Cell, 2012, 24, 4205-4219.	6.6	226
3	Clathrin-dependent endocytosis is required for immunity mediated by pattern recognition receptor kinases. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11034-11039.	7.1	188
4	Large-Scale Phenomics Identifies Primary and Fine-Tuning Roles for CRKs in Responses Related to Oxidative Stress. PLoS Genetics, 2015, 11, e1005373.	3.5	167
5	Combining computer vision and deep learning to enable ultra-scale aerial phenotyping and precision agriculture: A case study of lettuce production. Horticulture Research, 2019, 6, 70.	6.3	105
6	What is cost-efficient phenotyping? Optimizing costs for different scenarios. Plant Science, 2019, 282, 14-22.	3.6	103
7	A Developmental Framework for Complex Plasmodesmata Formation Revealed by Large-Scale Imaging of the <i>Arabidopsis</i> Leaf Epidermis. Plant Cell, 2013, 25, 57-70.	6.6	71
8	SeedGerm: a cost‐effective phenotyping platform for automated seed imaging and machine‐learning based phenotypic analysis of crop seed germination. New Phytologist, 2020, 228, 778-793.	7.3	62
9	CropSight: a scalable and open-source information management system for distributed plant phenotyping and IoT-based crop management. GigaScience, 2019, 8, .	6.4	48
10	Leaf-GP: an open and automated software application for measuring growth phenotypes for arabidopsis and wheat. Plant Methods, 2017, 13, 117.	4.3	45
11	An Exploration of Deep-Learning Based Phenotypic Analysis to Detect Spike Regions in Field Conditions for UK Bread Wheat. Plant Phenomics, 2019, 2019, 7368761.	5.9	30
12	NB-LRR signaling induces translational repression of viral transcripts and the formation of RNA processing bodies through mechanisms differing from those activated by UV stress and RNAi. Journal of Experimental Botany, 2016, 67, 2353-2366.	4.8	22
13	CalloseMeasurer: a novel software solution to measure callose deposition and recognise spreading callose patterns. Plant Methods, 2012, 8, 49.	4.3	21
14	The use of quantitative imaging to investigate regulators of membrane trafficking in Arabidopsis stomatal closure. Traffic, 2019, 20, 168-180.	2.7	21
15	An automated quantitative image analysis tool for the identification of microtubule patterns in plants. Traffic, 2017, 18, 683-693.	2.7	18
16	Large-scale field phenotyping using backpack LiDAR and CropQuant-3D to measure structural variation in wheat. Plant Physiology, 2021, 187, 716-738.	4.8	17
17	SpikeletFCN: Counting Spikelets from Infield Wheat Crop Images Using Fully Convolutional Networks. Lecture Notes in Computer Science, 2019, , 3-13.	1.3	15
18	Editorial: State-of-the-Art Technology and Applications in Crop Phenomics. Frontiers in Plant Science, 2021, 12, 767324.	3.6	6

#	Article	IF	Citations
19	High-Throughput Imaging of Plant Immune Responses. Methods in Molecular Biology, 2014, 1127, 67-80.	0.9	5
20	The Development of Global Software Outsourcing and Its Project Issues in a Leading UK Financial Company. , 2009, , .		0