

# Ji Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3239386/publications.pdf>

Version: 2024-02-01

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	Large-scale field phenotyping using backpack LiDAR and CropQuant-3D to measure structural variation in wheat. <i>Plant Physiology</i> , 2021, 187, 716-738.	4.8	17
2	Editorial: State-of-the-Art Technology and Applications in Crop Phenomics. <i>Frontiers in Plant Science</i> , 2021, 12, 767324.	3.6	6
3	SeedGerm: a cost-effective phenotyping platform for automated seed imaging and machine-learning based phenotypic analysis of crop seed germination. <i>New Phytologist</i> , 2020, 228, 778-793.	7.3	62
4	What is cost-efficient phenotyping? Optimizing costs for different scenarios. <i>Plant Science</i> , 2019, 282, 14-22.	3.6	103
5	Combining computer vision and deep learning to enable ultra-scale aerial phenotyping and precision agriculture: A case study of lettuce production. <i>Horticulture Research</i> , 2019, 6, 70.	6.3	105
6	SpikeletFCN: Counting Spikelets from Infield Wheat Crop Images Using Fully Convolutional Networks. <i>Lecture Notes in Computer Science</i> , 2019, , 3-13.	1.3	15
7	CropSight: a scalable and open-source information management system for distributed plant phenotyping and IoT-based crop management. <i>GigaScience</i> , 2019, 8, .	6.4	48
8	The use of quantitative imaging to investigate regulators of membrane trafficking in Arabidopsis stomatal closure. <i>Traffic</i> , 2019, 20, 168-180.	2.7	21
9	An Exploration of Deep-Learning Based Phenotypic Analysis to Detect Spike Regions in Field Conditions for UK Bread Wheat. <i>Plant Phenomics</i> , 2019, 2019, 7368761.	5.9	30
10	Genomic innovation for crop improvement. <i>Nature</i> , 2017, 543, 346-354.	27.8	301
11	An automated quantitative image analysis tool for the identification of microtubule patterns in plants. <i>Traffic</i> , 2017, 18, 683-693.	2.7	18
12	Leaf-GP: an open and automated software application for measuring growth phenotypes for arabidopsis and wheat. <i>Plant Methods</i> , 2017, 13, 117.	4.3	45
13	Clathrin-dependent endocytosis is required for immunity mediated by pattern recognition receptor kinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11034-11039.	7.1	188
14	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. <i>Journal of Experimental Botany</i> , 2016, 67, 2353-2366.	4.8	22
15	Large-Scale Phenomics Identifies Primary and Fine-Tuning Roles for CRKs in Responses Related to Oxidative Stress. <i>PLoS Genetics</i> , 2015, 11, e1005373.	3.5	167
16	High-Throughput Imaging of Plant Immune Responses. <i>Methods in Molecular Biology</i> , 2014, 1127, 67-80.	0.9	5
17	A Developmental Framework for Complex Plasmodesmata Formation Revealed by Large-Scale Imaging of the <i>Arabidopsis</i> Leaf Epidermis. <i>Plant Cell</i> , 2013, 25, 57-70.	6.6	71
18	Spatio-Temporal Cellular Dynamics of the <i>Arabidopsis</i> Flagellin Receptor Reveal Activation Status-Dependent Endosomal Sorting. <i>Plant Cell</i> , 2012, 24, 4205-4219.	6.6	226

#	ARTICLE	IF	CITATIONS
19	CalloseMeasurer: a novel software solution to measure callose deposition and recognise spreading callose patterns. <i>Plant Methods</i> , 2012, 8, 49.	4.3	21
20	The Development of Global Software Outsourcing and Its Project Issues in a Leading UK Financial Company. , 2009, , .		0