

Yuanyuan Zhao

List of Publications by Year in descending order

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54
papers

2,055
citations

236925

25
h-index

254184

43
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56
all docs

56
docs citations

56
times ranked

2766
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Molecule Analysis of PIP2;1 Dynamics and Partitioning Reveals Multiple Modes of <i>Arabidopsis</i> Plasma Membrane Aquaporin Regulation. <i>Plant Cell</i> , 2011, 23, 3780-3797.	6.6	229
2	Clathrin and Membrane Microdomains Cooperatively Regulate RbohD Dynamics and Activity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 1729-1745.	6.6	182
3	COX5B Regulates MAVS-mediated Antiviral Signaling through Interaction with ATG5 and Repressing ROS Production. <i>PLoS Pathogens</i> , 2012, 8, e1003086.	4.7	108
4	Identification and characterization of small non-coding RNAs from Chinese fir by high throughput sequencing. <i>BMC Plant Biology</i> , 2012, 12, 146.	3.6	95
5	Awns play a dominant role in carbohydrate production during the grain-filling stages in wheat (<i>Triticum aestivum</i>). <i>Physiologia Plantarum</i> , 2006, 127, 701-709.	5.2	92
6	Single-particle analysis reveals shutoff control of the <i>Arabidopsis</i> ammonium transporter AMT1;3 by clustering and internalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13204-13209.	7.1	91
7	Advances in Imaging Plant Cell Walls. <i>Trends in Plant Science</i> , 2019, 24, 867-878.	8.8	79
8	Characterization and causes of land subsidence in Beijing, China. <i>International Journal of Remote Sensing</i> , 2017, 38, 808-826.	2.9	77
9	Improved Ion Transport and High Energy Conversion through Hydrogel Membrane with 3D Interconnected Nanopores. <i>Nano Letters</i> , 2020, 20, 5705-5713.	9.1	71
10	MicroRNA857 Is Involved in the Regulation of Secondary Growth of Vascular Tissues in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 169, pp.01011.2015.	4.8	67
11	Subcellular Redistribution of Root Aquaporins Induced by Hydrogen Peroxide. <i>Molecular Plant</i> , 2015, 8, 1103-1114.	8.3	66
12	Robust sulfonated poly (ether ether ketone) nanochannels for high-performance osmotic energy conversion. <i>National Science Review</i> , 2020, 7, 1349-1359.	9.5	65
13	Single-molecule fluorescence imaging to quantify membrane protein dynamics and oligomerization in living plant cells. <i>Nature Protocols</i> , 2015, 10, 2054-2063.	12.0	60
14	Secretion of Phospholipase D \hat{I} Functions as a Regulatory Mechanism in Plant Innate Immunity. <i>Plant Cell</i> , 2019, 31, 3015-3032.	6.6	55
15	Tailoring A Poly(ether sulfone) Bipolar Membrane: Osmotic Energy Generator with High Power Density. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17423-17428.	13.8	47
16	Sterols regulate endocytic pathways during flg22-induced defense responses in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2018, 145, .	2.5	43
17	Probing plasma membrane dynamics at the single-molecule level. <i>Trends in Plant Science</i> , 2013, 18, 617-624.	8.8	39
18	Genome-wide analysis reveals dynamic changes in expression of microRNAs during vascular cambium development in Chinese fir, <i>Cunninghamia lanceolata</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 3041-3054.	4.8	37

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19	Effects of stem structure and cell wall components on bending strength in wheat. <i>Science Bulletin</i> , 2006, 51, 815-823.	9.0	36
20	The RALF1-FERONIA interaction modulates endocytosis to mediate control of root growth in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2020, 147, .	2.5	36
21	<i>Arabidopsis</i> choline transporter-like 1 (CTL1) regulates secretory trafficking of auxin transporters to control seedling growth. <i>PLoS Biology</i> , 2017, 15, e2004310.	5.6	35
22	Transcriptome and Degradome Sequencing Reveals Dormancy Mechanisms of <i>Cunninghamia lanceolata</i> Seeds. <i>Plant Physiology</i> , 2016, 172, 2347-2362.	4.8	33
23	Single-Particle Tracking for the Quantification of Membrane Protein Dynamics in Living Plant Cells. <i>Molecular Plant</i> , 2018, 11, 1315-1327.	8.3	32
24	A universal tunable nanofluidic diode via photoresponsive host-guest interactions. <i>NPG Asia Materials</i> , 2018, 10, 849-857.	7.9	30
25	ORF45-Mediated Prolonged c-Fos Accumulation Accelerates Viral Transcription during the Late Stage of Lytic Replication of Kaposi's Sarcoma-Associated Herpesvirus. <i>Journal of Virology</i> , 2015, 89, 6895-6906.	3.4	27
26	Quantification of Membrane Protein Dynamics and Interactions in Plant Cells by Fluorescence Correlation Spectroscopy. <i>Molecular Plant</i> , 2016, 9, 1229-1239.	8.3	26
27	In vivo single-particle tracking of the aquaporin AtPIP2;1 in stomata reveals cell type-specific dynamics. <i>Plant Physiology</i> , 2021, 185, 1666-1681.	4.8	26
28	Specific Recognition of Uranyl Ion Employing a Functionalized Nanochannel Platform for Dealing with Radioactive Contamination. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3854-3861.	8.0	24
29	A hundred years after: endodormancy and the chilling requirement in subtropical trees. <i>New Phytologist</i> , 2021, 231, 565-570.	7.3	23
30	In vivo cytological and chemical analysis of Casparian strips using stimulated Raman scattering microscopy. <i>Journal of Plant Physiology</i> , 2018, 220, 136-144.	3.5	21
31	Plant multiscale networks: charting plant connectivity by multi-level analysis and imaging techniques. <i>Science China Life Sciences</i> , 2021, 64, 1392-1422.	4.9	21
32	PDM4, a Pentatricopeptide Repeat Protein, Affects Chloroplast Gene Expression and Chloroplast Development in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1198.	3.6	20
33	Differentiating Tree and Shrub LAI in a Mixed Forest With ICESat/GLAS Spaceborne LiDAR. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 87-94.	4.9	17
34	Seasonal development of cambial activity in relation to xylem formation in Chinese fir. <i>Journal of Plant Physiology</i> , 2016, 195, 23-30.	3.5	16
35	Preparation of high bioactivity multilayered bone-marrow mesenchymal stem cell sheets for myocardial infarction using a 3D-dynamic system. <i>Acta Biomaterialia</i> , 2018, 72, 182-195.	8.3	16
36	Interference of the Histone Deacetylase Inhibits Pollen Germination and Pollen Tube Growth in <i>Picea wilsonii</i> Mast. <i>PLoS ONE</i> , 2015, 10, e0145661.	2.5	13

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37	Tailoring A Poly(ether sulfone) Bipolar Membrane: Osmotic Energy Generator with High Power Density. <i>Angewandte Chemie</i> , 2020, 132, 17576-17581.	2.0	11
38	Seasonal changes in cambium activity from active to dormant stage affect the formation of secondary xylem in <i>Pinus tabulaeformis</i> Carr.. <i>Tree Physiology</i> , 2022, 42, 585-599.	3.1	10
39	Non-Coding RNA Analyses of Seasonal Cambium Activity in <i>Populus tomentosa</i> . <i>Cells</i> , 2022, 11, 640.	4.1	10
40	Doxorubicin and CpG loaded liposomal spherical nucleic acid for enhanced Cancer treatment. <i>Journal of Nanobiotechnology</i> , 2022, 20, 140.	9.1	10
41	A label-free, fast and high-specificity technique for plant cell wall imaging and composition analysis. <i>Plant Methods</i> , 2021, 17, 29.	4.3	9
42	High-efficiency procedure to characterize, segment, and quantify complex multicellularity in raw micrographs in plants. <i>Plant Methods</i> , 2020, 16, 100.	4.3	8
43	Dynamic changes in flag leaf angle contribute to high photosynthetic capacity. <i>Science Bulletin</i> , 2009, 54, 3045-3052.	1.7	6
44	Environmental Cues Contribute to Dynamic Plasma Membrane Organization of Nanodomains Containing Flotillin-1 and Hypersensitive Induced Reaction-1 Proteins in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	5
45	A continuum-based model for a laterally loaded steel pipe pile in layered soils in offshore wind farms. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	4
46	Cell Wall and Hormone Interplay Controls Growth Asymmetry. <i>Trends in Plant Science</i> , 2021, 26, 665-667.	8.8	4
47	Genome-wide analysis of long non-coding RNAs in shoot apical meristem and vascular cambium in <i>Populus tomentosa</i> . <i>Journal of Plant Physiology</i> , 2022, 275, 153759.	3.5	4
48	Intracellular Trafficking and Imaging Methods of Membrane-Bound Transcription Factors in Plants. <i>Critical Reviews in Plant Sciences</i> , 2020, 39, 418-430.	5.7	3
49	Reliable Fault Diagnosis of Rolling Bearing Based on Ensemble Modified Deep Metric Learning. <i>Shock and Vibration</i> , 2021, 2021, 1-12.	0.6	3
50	Both Clathrin-Mediated and Membrane Microdomain-Associated Endocytosis Contribute to the Cellular Adaptation to Hyperosmotic Stress in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 12534.	4.1	3
51	Impervious surface coverage and their impact on other components of the urban ecosystem in Beijing. , 2010, , .		1
52	Transcription factor dynamics in plants: Insights and technologies for in vivo imaging. <i>Plant Physiology</i> , 2022, 189, 23-36.	4.8	1
53	Spatial Data Mining and Analysis of the Distribution of Regional Economy. , 2008, , .		0
54	The impact on the Oriental white stork habitat due to the agriculture development in Sanjiang Plain, Northeast China. , 2012, , .		0