

# Xin Deng

## List of Publications by Year in descending order

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32  
papers

1,919  
citations

361413

20  
h-index

414414

32  
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32  
docs citations

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times ranked

2656  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative analysis of physiological, agronomic and transcriptional responses to drought stress in wheat local varieties from Mongolia and Northern China. <i>Plant Physiology and Biochemistry</i> , 2022, 170, 23-35.	5.8	5
2	DNA methylation-mediated modulation of rapid desiccation tolerance acquisition and dehydration stress memory in the resurrection plant <i>Boea hygrometrica</i> . <i>PLoS Genetics</i> , 2021, 17, e1009549.	3.5	22
3	Plant Sterol Clustering Correlates with Membrane Microdomains as Revealed by Optical and Computational Microscopy. <i>Membranes</i> , 2021, 11, 747.	3.0	4
4	A role of age-dependent DNA methylation reprogramming in regulating the regeneration capacity of <i>Boea hygrometrica</i> leaves. <i>Functional and Integrative Genomics</i> , 2020, 20, 133-149.	3.5	13
5	Weighted Gene Co-expression Network Analysis (WGCNA) Reveals the Hub Role of Protein Ubiquitination in the Acquisition of Desiccation Tolerance in <i>Boea hygrometrica</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 2707-2719.	3.1	26
6	Common and Specific Mechanisms of Desiccation Tolerance in Two Gesneriaceae Resurrection Plants. Multiomics Evidences. <i>Frontiers in Plant Science</i> , 2019, 10, 1067.	3.6	16
7	Single-Molecule Imaging and Computational Microscopy Approaches Clarify the Mechanism of the Dimerization and Membrane Interactions of Green Fluorescent Protein. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1410.	4.1	7
8	Acclimation-induced metabolic reprogramming contributes to rapid desiccation tolerance acquisition in <i>Boea hygrometrica</i> . <i>Environmental and Experimental Botany</i> , 2018, 148, 70-84.	4.2	23
9	<i>Arabidopsis</i> Blue Light Receptor Phototropin 1 Undergoes Blue Light-Induced Activation in Membrane Microdomains. <i>Molecular Plant</i> , 2018, 11, 846-859.	8.3	44
10	Transcriptome reprogramming during severe dehydration contributes to physiological and metabolic changes in the resurrection plant <i>Haberlea rhodopensis</i> . <i>BMC Plant Biology</i> , 2018, 18, 351.	3.6	40
11	A modified GFP facilitates counting membrane protein subunits by step-wise photobleaching in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2017, 213, 129-133.	3.5	9
12	BhbZIP60 from Resurrection Plant <i>Boea hygrometrica</i> Is an mRNA Splicing-Activated Endoplasmic Reticulum Stress Regulator Involved in Drought Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 245.	3.6	22
13	An Effective and Inducible System of TAL Effector-Mediated Transcriptional Repression in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2016, 9, 1546-1549.	8.3	5
14	<i>Arabidopsis</i> seed germination speed is controlled by SNL histone deacetylase-binding factor-mediated regulation of AUX1. <i>Nature Communications</i> , 2016, 7, 13412.	12.8	80
15	Transcriptome and Degradome Sequencing Reveals Dormancy Mechanisms of <i>Cunninghamia lanceolata</i> Seeds. <i>Plant Physiology</i> , 2016, 172, 2347-2362.	4.8	33
16	ABA receptor PYL9 promotes drought resistance and leaf senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1949-1954.	7.1	508
17	Global Transcriptome Analysis Reveals Acclimation-Primed Processes Involved in the Acquisition of Desiccation Tolerance in <i>Boea hygrometrica</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 1429-1441.	3.1	54
18	The resurrection genome of <i>Boea hygrometrica</i> : A blueprint for survival of dehydration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5833-5837.	7.1	132

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19	MicroRNA857 Is Involved in the Regulation of Secondary Growth of Vascular Tissues in Arabidopsis. <i>Plant Physiology</i> , 2015, 169, pp.01011.2015.	4.8	67
20	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
21	Identification of a Retroelement from the Resurrection Plant <i>Boea hygrometrica</i> That Confers Osmotic and Alkaline Tolerance in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2014, 9, e98098.	2.5	19
22	A comparative study on Ca content and distribution in two Gesneriaceae species reveals distinctive mechanisms to cope with high rhizospheric soluble calcium. <i>Frontiers in Plant Science</i> , 2014, 5, 647.	3.6	14
23	Identification of Quantitative Trait Loci Controlling High Calcium Response in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2014, 9, e112511.	2.5	3
24	Molecular cloning and differential expression of sHSP gene family members from the resurrection plant <i>Boea hygrometrica</i> in response to abiotic stresses. <i>Biologia (Poland)</i> , 2013, 68, 651-661.	1.5	14
25	<i>Arabidopsis</i> Paired Amphipathic Helix Proteins SNL1 and SNL2 Redundantly Regulate Primary Seed Dormancy via Abscisic Acid–Ethylene Antagonism Mediated by Histone Deacetylation. <i>Plant Cell</i> , 2013, 25, 149-166.	6.6	140
26	Understanding desiccation tolerance using the resurrection plant <i>Boea hygrometrica</i> as a model system. <i>Frontiers in Plant Science</i> , 2013, 4, 446.	3.6	52
27	A novel role for histone methyltransferase KYP/SUVH4 in the control of <i>Arabidopsis</i> primary seed dormancy. <i>New Phytologist</i> , 2012, 193, 605-616.	7.3	104
28	Cloning and expression analysis of a dirigent protein gene from the resurrection plant <i>Boea hygrometrica</i> . <i>Progress in Natural Science: Materials International</i> , 2009, 19, 347-352.	4.4	52
29	A WRKY transcription factor participates in dehydration tolerance in <i>Boea hygrometrica</i> by binding to the W-box elements of the galactinol synthase ( <i>BhGolS1</i> ) promoter. <i>Planta</i> , 2009, 230, 1155-1166.	3.2	174
30	Ectopic over-expression of <i>BhHsf1</i> , a heat shock factor from the resurrection plant <i>Boea hygrometrica</i> , leads to increased thermotolerance and retarded growth in transgenic <i>Arabidopsis</i> and tobacco. <i>Plant Molecular Biology</i> , 2009, 71, 451-467.	3.9	56
31	Proteome analysis of leaves from the resurrection plant <i>Boea hygrometrica</i> in response to dehydration and rehydration. <i>Planta</i> , 2007, 225, 1405-1420.	3.2	101
32	Title is missing!. <i>Plant Molecular Biology Reporter</i> , 1999, 17, 279-279.	1.8	20