

# Yulong Ding

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45  
papers

1,018  
citations

14  
h-index

31  
g-index

57  
ext. papers

1,386  
ext. citations

4.2  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
45	Co-Application of 24-Epibrassinolide and Titanium Oxide Nanoparticles Promotes Plant Tolerance to Cu and Cd Toxicity by Increasing Antioxidant Activity and Photosynthetic Capacity and Reducing Heavy Metal Accumulation and Translocation.. <i>Antioxidants</i> , <b>2022</b> , 11,	7.1	2
44	Genus Decalepis: Biology, Importance and Biotechnological Interventions. <i>Agronomy</i> , <b>2022</b> , 12, 855	3.6	
43	Zinc Oxide Nanoparticles Improve Plant Tolerance to Arsenic and Mercury by Stimulating Antioxidant Defense and Reducing the Metal Accumulation and Translocation.. <i>Frontiers in Plant Science</i> , <b>2022</b> , 13, 841501	6.2	1
42	Species Identification and Phylogenetic Reconstruction in Acer Linn. by Restriction Site-Associated DNA Sequencing. <i>Journal of Biobased Materials and Bioenergy</i> , <b>2022</b> , 16, 218-230	1.4	
41	The Investigation of TiO <sub>2</sub> NPs Effect as a Wastewater Treatment to Mitigate Cd Negative Impact on Bamboo Growth. <i>Sustainability</i> , <b>2021</b> , 13, 3200	3.6	5
40	A Review on Bamboo Resource in the African Region: A Call for Special Focus and Action. <i>International Journal of Forestry Research</i> , <b>2021</b> , 2021, 1-23	0.7	3
39	Different Physiological and Biochemical Responses of Bamboo to the Addition of TiO <sub>2</sub> NPs under Heavy Metal Toxicity. <i>Forests</i> , <b>2021</b> , 12, 759	2.8	2
38	The Effect of Silicon Nanoparticles on the Seed Germination and Seedling Growth of Moso Bamboo ( <i>Phyllostachys edulis</i> ) under Cadmium Stress. <i>Polish Journal of Environmental Studies</i> , <b>2021</b> , 30, 3033-3042	2.3	8
37	Multi-analysis of sheath senescence provides new insights into bamboo shoot development at the fast growth stage. <i>Tree Physiology</i> , <b>2021</b> , 41, 491-507	4.2	6
36	Analysis of 427 genomes reveals moso bamboo population structure and genetic basis of property traits. <i>Nature Communications</i> , <b>2021</b> , 12, 5466	17.4	3
35	Cellular and molecular characterizations of the irregular internode division zone formation of a slow growing bamboo variant. <i>Tree Physiology</i> , <b>2021</b> ,	4.2	3
34	The Bamboo Flowering Cycle Sheds Light on Flowering Diversity. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 381	6.2	11
33	The role of salicylic acid and gibberellin signaling in plant responses to abiotic stress with an emphasis on heavy metals. <i>Plant Signaling and Behavior</i> , <b>2020</b> , 15, 1777372	2.5	22
32	Symplasmic phloem unloading and post-phloem transport during bamboo internode elongation. <i>Tree Physiology</i> , <b>2020</b> , 40, 391-412	4.2	7
31	Leaf shape influences the scaling of leaf dry mass vs. area: a test case using bamboos. <i>Annals of Forest Science</i> , <b>2020</b> , 77, 1	3.1	21
30	Transcriptome analysis of lateral buds from <i>Phyllostachys edulis</i> rhizome during germination and early shoot stages. <i>BMC Plant Biology</i> , <b>2020</b> , 20, 229	5.3	9
29	The Role of New Members of Phytohormones in Plant Amelioration under Abiotic Stress with an Emphasis on Heavy Metals. <i>Polish Journal of Environmental Studies</i> , <b>2020</b> , 29, 1009-1020	2.3	7

28	Silicon dioxide nanoparticles improve plant growth by enhancing antioxidant enzyme capacity in bamboo ( <i>Pleioblastus pygmaeus</i> ) under lead toxicity. <i>Trees - Structure and Function</i> , <b>2020</b> , 34, 469-481	2.6	13
27	Application of Bamboo Plants in Nine Aspects. <i>Scientific World Journal, The</i> , <b>2020</b> , 2020, 7284203	2.2	15
26	Morphological Characteristics and Transcriptome Comparisons of the Shoot Buds from Flowering and Non-Flowering <i>Pleioblastus pygmaeus</i> . <i>Forests</i> , <b>2020</b> , 11, 1229	2.8	4
25	Sucrose and starch metabolism during <i>Fargesia yunnanensis</i> shoot growth. <i>Physiologia Plantarum</i> , <b>2020</b> , 168, 188-204	4.6	11
24	Characterization of the developmental dynamics of the elongation of a bamboo internode during the fast growth stage. <i>Tree Physiology</i> , <b>2019</b> , 39, 1201-1214	4.2	27
23	Cellular and molecular characterization of a thick-walled variant reveal a pivotal role of shoot apical meristem in transverse development of bamboo culm. <i>Journal of Experimental Botany</i> , <b>2019</b> , 70, 3911-3926	7.26	18
22	Shoot proliferation and callus regeneration from nodular buds of <i>Drepanostachyum luodianense</i> . <i>Journal of Forestry Research</i> , <b>2019</b> , 30, 1997-2005	2	4
21	De novo sequencing of the transcriptome reveals regulators of the floral transition in <i>Fargesia macclureana</i> (Poaceae). <i>BMC Genomics</i> , <b>2019</b> , 20, 1035	4.5	8
20	Morphological dissection and cellular and transcriptome characterizations of bamboo pith cavity formation reveal a pivotal role of genes related to programmed cell death. <i>Plant Biotechnology Journal</i> , <b>2019</b> , 17, 982-997	11.6	17
19	The effect of temperature on the developmental rates of seedling emergence and leaf-unfolding in two dwarf bamboo species. <i>Trees - Structure and Function</i> , <b>2018</b> , 32, 751-763	2.6	12
18	Cellular and molecular characterizations of a slow-growth variant provide insights into the fast growth of bamboo. <i>Tree Physiology</i> , <b>2018</b> , 38, 641-654	4.2	30
17	Silicon Mechanisms to Ameliorate Heavy Metal Stress in Plants. <i>BioMed Research International</i> , <b>2018</b> , 2018, 8492898	3	43
16	Why Does Not the Leaf Weight-Area Allometry of Bamboos Follow the 3/2-Power Law?. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 583	6.2	20
15	Effects of Silicon in the Amelioration of Zn Toxicity on Antioxidant Enzyme Activities. <i>Toxicology and Environmental Health Sciences</i> , <b>2018</b> , 10, 90-96	1.9	2
14	Growth Responses and Photosynthetic Indices of Bamboo Plant () under Heavy Metal Stress. <i>Scientific World Journal, The</i> , <b>2018</b> , 2018, 1219364	2.2	11
13	Mapping and validation of the quantitative trait loci for leaf stay-green-associated parameters in maize. <i>Plant Breeding</i> , <b>2017</b> , 136, 188-196	2.4	11
12	Exploring key cellular processes and candidate genes regulating the primary thickening growth of Moso underground shoots. <i>New Phytologist</i> , <b>2017</b> , 214, 81-96	9.8	45
11	Microsatellite markers revealed moderate genetic diversity and population differentiation of moso bamboo ( <i>Phyllostachys edulis</i> ) a primarily asexual reproduction species in China. <i>Tree Genetics and Genomes</i> , <b>2017</b> , 13, 1	2.1	10

10	Anatomical characteristics of fusoid cells and vascular bundles in <i>Fargesia yunnanensis</i> leaves. <i>Journal of Forestry Research</i> , <b>2016</b> , 27, 1237-1247	2	7
9	Establishment of an efficient micropropagation and callus regeneration system from the axillary buds of <i>Bambusa ventricosa</i> . <i>Plant Cell, Tissue and Organ Culture</i> , <b>2015</b> , 122, 1-8	2.7	24
8	Heavy metal stress and some mechanisms of plant defense response. <i>Scientific World Journal, The</i> , <b>2015</b> , 2015, 756120	2.2	484
7	Differential Responses of two Bamboo Species ( <i>Phyllostachys Auresulcata</i> 'Spectabilis' and <i>Pleioblastus Chino</i> 'Hisachii') to Excess Copper. <i>Bioenergy Research</i> , <b>2013</b> , 6, 1223-1229	3.1	14
6	Identification of an AtCRN1-like chloroplast protein BeCRN1 and its distinctive role in chlorophyll breakdown during leaf senescence in bamboo ( <i>Bambusa emeiensis</i> 'Viridiflavus'). <i>Plant Cell, Tissue and Organ Culture</i> , <b>2013</b> , 114, 1-10	2.7	11
5	Ectopic-overexpression of an HD-Zip IV transcription factor from <i>Ammopiptanthus mongolicus</i> (Leguminosae) promoted upward leaf curvature and non-dehiscent anthers in <i>Arabidopsis thaliana</i> . <i>Plant Cell, Tissue and Organ Culture</i> , <b>2012</b> , 110, 299-306	2.7	8
4	Identification of an NAP-like transcription factor BeNAC1 regulating leaf senescence in bamboo ( <i>Bambusa emeiensis</i> 'Viridiflavus'). <i>Physiologia Plantarum</i> , <b>2011</b> , 142, 361-71	4.6	38
3	A survey of root pressure in 53 Asian species of bamboo. <i>Annals of Forest Science</i> , <b>2011</b> , 68, 783-791	3.1	13
2	Geographical Distribution of <i>Phacellaria</i> Benth. (Santalaceae) and its Hosts. <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , <b>2006</b> , 1, 5-8		1
1	Ultracytochemical localization of Ca <sup>2+</sup> during the phloem ganglion development in <i>Phyllostachys edulis</i> . <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , <b>2006</b> , 1, 219-224		0