

Jie Luo

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,587
citations

516710

16
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1920
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative transcriptomic analysis uncovers conserved pathways involved in adventitious root formation in poplar. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 1903-1918.	3.1	10
2	Pretreating poplar cuttings with low nitrogen ameliorates salt stress responses by increasing stored carbohydrates and priming stress signaling pathways. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112801.	6.0	8
3	Integrating multiple omics to identify common and specific molecular changes occurring in <i>Arabidopsis</i> under chronic nitrate and sulfate limitations. <i>Journal of Experimental Botany</i> , 2020, 71, 6471-6490.	4.8	18
4	Integrated Transcriptome Analysis Reveals Plant Hormones Jasmonic Acid and Salicylic Acid Coordinate Growth and Defense Responses upon Fungal Infection in Poplar. <i>Biomolecules</i> , 2019, 9, 12.	4.0	72
5	Evolutionary analyses of NIN-like proteins in plants and their roles in nitrate signaling. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3753-3764.	5.4	67
6	Proteomic and lipidomic analyses of the <i>Arabidopsis atg5</i> autophagy mutant reveal major changes in endoplasmic reticulum and peroxisome metabolisms and in lipid composition. <i>New Phytologist</i> , 2019, 223, 1461-1477.	7.3	54
7	Global Transcriptomic Profile Analysis of Genes Involved in Lignin Biosynthesis and Accumulation Induced by Boron Deficiency in Poplar Roots. <i>Biomolecules</i> , 2019, 9, 156.	4.0	19
8	Growth performance, photosynthesis, and root characteristics are associated with nitrogen use efficiency in six poplar species. <i>Environmental and Experimental Botany</i> , 2019, 164, 40-51.	4.2	28
9	Morphological and physiological responses to contrasting nitrogen regimes in <i>Populus cathayana</i> is linked to resources allocation and carbon/nitrogen partition. <i>Environmental and Experimental Botany</i> , 2019, 162, 247-255.	4.2	45
10	Genome-wide identification of BOR genes in poplar and their roles in response to various environmental stimuli. <i>Environmental and Experimental Botany</i> , 2019, 164, 101-113.	4.2	16
11	Autophagy and Nutrients Management in Plants. <i>Cells</i> , 2019, 8, 1426.	4.1	50
12	The PIN-FORMED Auxin Efflux Carriers in Plants. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2759.	4.1	113
13	Aux/IAA Gene Family in Plants: Molecular Structure, Regulation, and Function. <i>International Journal of Molecular Sciences</i> , 2018, 19, 259.	4.1	277
14	Comparative transcriptomic analysis reveals the roles of overlapping heat-/drought-responsive genes in poplars exposed to high temperature and drought. <i>Scientific Reports</i> , 2017, 7, 43215.	3.3	72
15	Uncovering the physiological mechanisms that allow nitrogen availability to affect drought acclimation in <i>Catalpa bungei</i> . <i>Tree Physiology</i> , 2017, 37, 1453-1456.	3.1	10
16	Identification of TIFY Family Genes and Analysis of Their Expression Profiles in Response to Phytohormone Treatments and <i>Melampsora larici-populina</i> Infection in Poplar. <i>Frontiers in Plant Science</i> , 2017, 8, 493.	3.6	33
17	The conserved salt-responsive genes in the roots of <i>Populus canescens</i> and <i>Arabidopsis thaliana</i> . <i>Environmental and Experimental Botany</i> , 2016, 129, 48-56.	4.2	23
18	Global poplar root and leaf transcriptomes reveal links between growth and stress responses under nitrogen starvation and excess. <i>Tree Physiology</i> , 2015, 35, 1283-1302.	3.1	131

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19	Ectomycorrhizas with <i>Psaxillus involutus</i> enhance cadmium uptake and tolerance in <i>Populus alba</i> . <i>Plant, Cell and Environment</i> , 2014, 37, 627-642.	5.7	118
20	Net fluxes of ammonium and nitrate in association with H ⁺ fluxes in fine roots of <i>Populus popularis</i> . <i>Planta</i> , 2013, 237, 919-931.	3.2	112
21	Nitrogen metabolism of two contrasting poplar species during acclimation to limiting nitrogen availability. <i>Journal of Experimental Botany</i> , 2013, 64, 4207-4224.	4.8	180
22	N-fertilization has different effects on the growth, carbon and nitrogen physiology, and wood properties of slow- and fast-growing <i>Populus</i> species. <i>Journal of Experimental Botany</i> , 2012, 63, 6173-6185.	4.8	131