Jie Luo

List of Publications by Year in descending order

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	Aux/IAA Gene Family in Plants: Molecular Structure, Regulation, and Function. International Journal of Molecular Sciences, 2018, 19, 259.	4.1	277
2	Nitrogen metabolism of two contrasting poplar species during acclimation to limiting nitrogen availability. Journal of Experimental Botany, 2013, 64, 4207-4224.	4.8	180
3	N-fertilization has different effects on the growth, carbon and nitrogen physiology, and wood properties of slow- and fast-growing Populus species. Journal of Experimental Botany, 2012, 63, 6173-6185.	4.8	131
4	Global poplar root and leaf transcriptomes reveal links between growth and stress responses under nitrogen starvation and excess. Tree Physiology, 2015, 35, 1283-1302.	3.1	131
5	Ectomycorrhizas with <scp>P</scp>axillus involutus enhance cadmium uptake and tolerance in <scp>P</scp>opulusâ€‰Ã—â€‰canescens. Plant, Cell and Environment, 2014, 37, 627-642.	5.7	118
6	The PIN-FORMED Auxin Efflux Carriers in Plants. International Journal of Molecular Sciences, 2018, 19, 2759.	4.1	113
7	Net fluxes of ammonium and nitrate in association with H+ fluxes in fine roots of Populus popularis. Planta, 2013, 237, 919-931.	3.2	112
8	Comparative transcriptomic analysis reveals the roles of overlapping heat-/drought-responsive genes in poplars exposed to high temperature and drought. Scientific Reports, 2017, 7, 43215.	3.3	72
9	Integrated Transcriptome Analysis Reveals Plant Hormones Jasmonic Acid and Salicylic Acid Coordinate Growth and Defense Responses upon Fungal Infection in Poplar. Biomolecules, 2019, 9, 12.	4.0	72
10	Evolutionary analyses of NIN-like proteins in plants and their roles in nitrate signaling. Cellular and Molecular Life Sciences, 2019, 76, 3753-3764.	5.4	67
11	Proteomic and lipidomic analyses of the Arabidopsis atg5 autophagy mutant reveal major changes in endoplasmic reticulum and peroxisome metabolisms and in lipid composition. New Phytologist, 2019, 223, 1461-1477.	7.3	54
12	Autophagy and Nutrients Management in Plants. Cells, 2019, 8, 1426.	4.1	50
13	Morphological and physiological responses to contrasting nitrogen regimes in Populus cathayana is linked to resources allocation and carbon/nitrogen partition. Environmental and Experimental Botany, 2019, 162, 247-255.	4.2	45
14	Identification of TIFY Family Genes and Analysis of Their Expression Profiles in Response to Phytohormone Treatments and Melampsora larici-populina Infection in Poplar. Frontiers in Plant Science, 2017, 8, 493.	3.6	33
15	Growth performance, photosynthesis, and root characteristics are associated with nitrogen use efficiency in six poplar species. Environmental and Experimental Botany, 2019, 164, 40-51.	4.2	28
16	The conserved salt-responsive genes in the roots of PopulusÃ—canescens and Arabidopsis thaliana. Environmental and Experimental Botany, 2016, 129, 48-56.	4.2	23
17	Global Transcriptomic Profile Analysis of Genes Involved in Lignin Biosynthesis and Accumulation Induced by Boron Deficiency in Poplar Roots. Biomolecules, 2019, 9, 156.	4.0	19
18	Integrating multiple omics to identify common and specific molecular changes occurring in Arabidopsis under chronic nitrate and sulfate limitations. Journal of Experimental Botany, 2020, 71, 6471-6490.	4.8	18

#	Article	IF	Citations
19	Genome-wide identification of BOR genes in poplar and their roles in response to various environmental stimuli. Environmental and Experimental Botany, 2019, 164, 101-113.	4.2	16
20	Uncovering the physiological mechanisms that allow nitrogen availability to affect drought acclimation in Catalpa bungei. Tree Physiology, 2017, 37, 1453-1456.	3.1	10
21	Comparative transcriptomic analysis uncovers conserved pathways involved in adventitious root formation in poplar. Physiology and Molecular Biology of Plants, 2021, 27, 1903-1918.	3.1	10
22	Pretreating poplar cuttings with low nitrogen ameliorates salt stress responses by increasing stored carbohydrates and priming stress signaling pathways. Ecotoxicology and Environmental Safety, 2021, 225, 112801.	6.0	8