Di Fan

List of Publications by Year
in descending order

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Version: 2024-02-01

23 papers	1,587 citations	430442 18 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	2161 citing authors

#	Article	IF	Citations
1	MicroRNA828 negatively regulates lignin biosynthesis in stem of Populus tomentosa through MYB targets. Tree Physiology, 2022, 42, 1646-1661.	1.4	7
2	Histone methyltransferase ATX1 dynamically regulates fiber secondary cell wall biosynthesis inArabidopsisinflorescence stem. Nucleic Acids Research, 2021, 49, 190-205.	6.5	15
3	The microRNA476aâ€RFL module regulates adventitious root formation through a mitochondriaâ€dependent pathway in Populus. New Phytologist, 2021, 230, 2011-2028.	3.5	14
4	MicroRNA6443â€mediated regulation of FERULATE 5â€HYDROXYLASE gene alters lignin composition and enhances saccharification in Populus tomentosa. New Phytologist, 2020, 226, 410-425.	3.5	40
5	MiR319aâ€targeted PtoTCP20 regulates secondary growth via interactions with PtoWOX4 and PtoWND6 in Populus tomentosa. New Phytologist, 2020, 228, 1354-1368.	3.5	37
6	miR319a/TCP module and DELLA protein regulate trichome initiation synergistically and improve insect defenses in Populus tomentosa. New Phytologist, 2020, 227, 867-883.	3.5	41
7	Brassinosteroid overproduction improves lignocellulose quantity and quality to maximize bioethanol yield under green-like biomass process in transgenic poplar. Biotechnology for Biofuels, 2020, 13, 9.	6.2	28
8	R2R3â€<scp>MYB</scp> transcription factor <scp>MYB</scp>6 promotes anthocyanin and proanthocyanidin biosynthesis but inhibits secondary cell wall formation in Populus tomentosa. Plant Journal, 2019, 99, 733-751.	2.8	134
9	Auxinâ€mediated Aux/<scp>IAA</scp>â€<scp>ARF</scp>â€<scp>HB</scp> signaling cascade regulates secondary xylem development in Populus. New Phytologist, 2019, 222, 752-767.	3.5	85
10	Histone H3K9 demethylase JMJ25 epigenetically modulates anthocyanin biosynthesis in poplar. Plant Journal, 2018, 96, 1121-1136.	2.8	53
11	A salt-stress-regulator from the Poplar R2R3 MYB family integrates the regulation of lateral root emergence and ABA signaling to mediate salt stress tolerance in Arabidopsis. Plant Physiology and Biochemistry, 2017, 114, 100-110.	2.8	46
12	PtoMYB156 is involved in negative regulation of phenylpropanoid metabolism and secondary cell wall biosynthesis during wood formation in poplar. Scientific Reports, 2017, 7, 41209.	1.6	87
13	The transcription factor MYB115 contributes to the regulation of proanthocyanidin biosynthesis and enhances fungal resistance in poplar. New Phytologist, 2017, 215, 351-367.	3.5	100
14	Intein-mediated Cre protein assembly for transgene excision in hybrid progeny of transgenic Arabidopsis. Plant Cell Reports, 2016, 35, 2045-2053.	2.8	7
15	PtrWRKY19, a novel WRKY transcription factor, contributes to the regulation of pith secondary wall formation in Populus trichocarpa. Scientific Reports, 2016, 6, 18643.	1.6	65
16	Efficient CRISPR/Cas9-mediated Targeted Mutagenesis in Populus in the First Generation. Scientific Reports, 2015, 5, 12217.	1.6	375
17	PtoMYB92 is a Transcriptional Activator of the Lignin Biosynthetic Pathway During Secondary Cell Wall Formation inPopulus tomentosa. Plant and Cell Physiology, 2015, 56, 2436-2446.	1.5	83
18	Highly efficient CRISPR/Cas9-mediated targeted mutagenesis of multiple genes in Populus. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2015, 37, 1044-52.	0.1	19

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19	Genome-wide identification and characterization of the Populus WRKY transcription factor family and analysis of their expression in response to biotic and abiotic stresses. Journal of Experimental Botany, 2014, 65, 6629-6644.	2.4	186
20	Constitutive expression of the poplar WRKY transcription factor PtoWRKY60 enhances resistance to Dothiorella gregaria Sacc. in transgenic plants. Tree Physiology, 2014, 34, 1118-1129.	1.4	26
21	Heterologous gene silencing induced by tobacco rattle virus (TRV) is efficient for pursuing functional genomics studies in woody plants. Plant Cell, Tissue and Organ Culture, 2014, 116, 163-174.	1.2	24
22	A Companion Cellâ€“Dominant and Developmentally Regulated H3K4 Demethylase Controls Flowering Time in Arabidopsis via the Repression of FLC Expression. PLoS Genetics, 2012, 8, e1002664.	1.5	87
23	IBM1, a JmjC domain-containing histone demethylase, is involved in the regulation of RNA-directed DNA methylation through the epigenetic control of RDR2 and DCL3 expression in Arabidopsis. Nucleic Acids Research, 2012, 40, 8905-8916.	6.5	28