Dong-Wei Di

List of Publications by Year
in descending order

44 papers	2,776 citations	218677 26 h-index	243625 44 g-index
44 all docs	44 docs citations	44 times ranked	2973 citing authors

#	Article	IF	Citations
1	Syringic acid from rice as a biological nitrification and urease inhibitor and its synergism with 1,9-decanediol. Biology and Fertility of Soils, 2022, 58, 277-289.	4.3	11
2	MicroRNAs Are Involved in Regulating Plant Development and Stress Response through Fine-Tuning of TIR1/AFB-Dependent Auxin Signaling. International Journal of Molecular Sciences, 2022, 23, 510.	4.1	25
3	OsGF14b is involved in regulating coarse root and fine root biomass partitioning in response to elevated [CO2] in rice. Journal of Plant Physiology, 2022, 268, 153586.	3.5	2
4	OsEIL1 protects rice growth under NH₄⁺ nutrition by regulating OsVTC1â€3â€dependent Nâ€glycosylation and root NH₄⁺ efflux. Plant, Cell and Environment, 2022, 45, 1537-1553.	5.7	18
5	Function of histone H2B monoubiquitination in transcriptional regulation of auxin biosynthesis in Arabidopsis. Communications Biology, 2021, 4, 206.	4.4	8
6	High ammonium inhibits root growth in Arabidopsis thaliana by promoting auxin conjugation rather than inhibiting auxin biosynthesis. Journal of Plant Physiology, 2021, 261, 153415.	3.5	23
7	WRKY46 promotes ammonium tolerance in Arabidopsis by repressing NUDX9 and indoleâ€3â€acetic acidâ€conjugating genes and by inhibiting ammonium efflux in the root elongation zone. New Phytologist, 2021, 232, 190-207.	7.3	38
8	Mechanical side-deep fertilization mitigates ammonia volatilization and nitrogen runoff and increases profitability in rice production independent of fertilizer type and split ratio. Journal of Cleaner Production, 2021, 316, 128370.	9.3	58
9	Stigmasterol root exudation arising from Pseudomonas inoculation of the duckweed rhizosphere enhances nitrogen removal from polluted waters. Environmental Pollution, 2021, 287, 117587.	7.5	17
10	Coordination of nitrogen uptake and assimilation favours the growth and competitiveness of moso bamboo over native tree species in high-NH4+ environments. Journal of Plant Physiology, 2021, 266, 153508.	3.5	17
11	WheatOmics: A platform combining multiple omics data to accelerate functional genomics studies in wheat. Molecular Plant, 2021, 14, 1965-1968.	8.3	166
12	<i>Ta<scp>CYP</scp>81D5</i>, one member in a wheat cytochrome P450 gene cluster, confers salinity tolerance via reactive oxygen species scavenging. Plant Biotechnology Journal, 2020, 18, 791-804.	8.3	67
13	Higher nitrogen use efficiency (NUE) in hybrid â€œsuper riceâ€• links to improved morphological and physiological traits in seedling roots. Journal of Plant Physiology, 2020, 251, 153191.	3.5	16
14	Transcriptome analysis of rice (Oryza sativa L.) in response to ammonium resupply reveals the involvement of phytohormone signaling and the transcription factor OsJAZ9 in reprogramming of nitrogen uptake and metabolism. Journal of Plant Physiology, 2020, 246-247, 153137.	3.5	23
15	TaANR1-TaBG1 and TaWabi5-TaNRT2s/NARs Link ABA Metabolism and Nitrate Acquisition in Wheat Roots. Plant Physiology, 2020, 182, 1440-1453.	4.8	43
16	Endogenous ABA alleviates rice ammonium toxicity by reducing ROS and free ammonium via regulation of the SAPK9â€“bZIP20 pathway. Journal of Experimental Botany, 2020, 71, 4562-4577.	4.8	33
17	A Roadmap for Lowering Crop Nitrogen Requirement. Trends in Plant Science, 2019, 24, 892-904.	8.8	89
18	The Arabidopsis<i>AMOT1/EIN3</i>gene plays an important role in the amelioration of ammonium toxicity. Journal of Experimental Botany, 2019, 70, 1375-1388.	4.8	39

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19	Precise control of ABA signaling through post-translational protein modification. Plant Growth Regulation, 2019, 88, 99-111.	3.4	18
20	Characterization and comparison of nitrate fluxes in Tamarix ramosissima and cotton roots under simulated drought conditions. Tree Physiology, 2019, 39, 628-640.	3.1	3
21	Factors influencing the release of the biological nitrification inhibitor 1,9-decanediol from rice (Oryza sativa L.) roots. Plant and Soil, 2019, 436, 253-265.	3.7	26
22	Excess iron stress reduces root tip zone growth through nitric oxideâ€mediated repression of potassium homeostasis in <i>Arabidopsis</i>. New Phytologist, 2018, 219, 259-274.	7.3	48
23	From Genetic Stock to Genome Editing: Gene Exploitation in Wheat. Trends in Biotechnology, 2018, 36, 160-172.	9.3	63
24	Involvement of auxin in the regulation of ammonium tolerance in rice (Oryza sativa L.). Plant and Soil, 2018, 432, 373-387.	3.7	30
25	Dynamic analysis of the impact of free-air CO2 enrichment (FACE) on biomass and N uptake in two contrasting genotypes of rice. Functional Plant Biology, 2018, 45, 696.	2.1	15
26	Spatio-temporal dynamics in global rice gene expression (Oryza sativa â€‰L.) in response to high ammonium stress. Journal of Plant Physiology, 2017, 212, 94-104.	3.5	48
27	How Plant Root Exudates Shape the Nitrogen Cycle. Trends in Plant Science, 2017, 22, 661-673.	8.8	322
28	Nitrogen transformations in modern agriculture and the role of biological nitrification inhibition. Nature Plants, 2017, 3, 17074.	9.3	376
29	Biological nitrification inhibition by rice root exudates and its relationship with nitrogenâ€use efficiency. New Phytologist, 2016, 212, 646-656.	7.3	159
30	Quantification and enzyme targets of fatty acid amides from duckweed root exudates involved in the stimulation of denitrification. Journal of Plant Physiology, 2016, 198, 81-88.	3.5	41
31	Analysis the role of arabidopsis CKRC6/ASA1 in auxin and cytokinin biosynthesis. Journal of Plant Biology, 2016, 59, 162-171.	2.1	8
32	Functional roles of Arabidopsis CKRC2/YUCCA8 gene and the involvement of PIF4 in the regulation of auxin biosynthesis by cytokinin. Scientific Reports, 2016, 6, 36866.	3.3	44
33	The biosynthesis of auxin: how many paths truly lead to IAA?. Plant Growth Regulation, 2016, 78, 275-285.	3.4	89
34	Forward genetic screen for auxin-deficient mutants by cytokinin. Scientific Reports, 2015, 5, 11923.	3.3	13
35	Involvement of secondary messengers and small organic molecules in auxin perception and signaling. Plant Cell Reports, 2015, 34, 895-904.	5.6	21
36	Frequent problems and their resolutions by using thermal asymmetric interlaced PCR (TAIL-PCR) to clone genes in<i>Arabidopsis</i>T-DNA tagged mutants. Biotechnology and Biotechnological Equipment, 2015, 29, 260-267.	1.3	17

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37	Ammonium stress in Arabidopsis: signaling, genetic loci, and physiological targets. Trends in Plant Science, 2014, 19, 107-114.	8.8	204
38	Nitrogen use efficiency (NUE) in rice links to NH4 + toxicity and futile NH4 + cycling in roots. Plant and Soil, 2013, 369, 351-363.	3.7	76
39	<scp>GSA</scp>â€1/<scp>ARG</scp>1 protects root gravitropism in <i>Arabidopsis</i> under ammonium stress. New Phytologist, 2013, 200, 97-111.	7.3	35
40	Arabidopsis Plastid AMOS1/EGY1 Integrates Abscisic Acid Signaling to Regulate Global Gene Expression Response to Ammonium Stress. Plant Physiology, 2012, 160, 2040-2051.	4.8	92
41	Ammonium-induced loss of root gravitropism is related to auxin distribution and TRH1 function, and is uncoupled from the inhibition of root elongation in Arabidopsis. Journal of Experimental Botany, 2012, 63, 3777-3788.	4.8	51
42	Optimizing nitrogen input to reduce nitrate leaching loss in greenhouse vegetable production. Agricultural Water Management, 2012, 111, 53-59.	5.6	128
43	<i>TFT6</i> and <i>TFT7</i>, two different members of tomato 14â€3â€3 gene family, play distinct roles in plant adaption to low phosphorus stress. Plant, Cell and Environment, 2012, 35, 1393-1406.	5.7	66
44	Shootâ€supplied ammonium targets the root auxin influx carrier AUX1 and inhibits lateral root emergence in <i>Arabidopsis</i>. Plant, Cell and Environment, 2011, 34, 933-946.	5.7	90