Dong-Wei Di

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9313897/publications.pdf

Version: 2024-02-01

44	2,776	218677	243625
papers	citations	26 h-index	44 g-index

44	44	44	2973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitrogen transformations in modern agriculture and the role of biological nitrification inhibition. Nature Plants, 2017, 3, 17074.	9.3	376
2	How Plant Root Exudates Shape the Nitrogen Cycle. Trends in Plant Science, 2017, 22, 661-673.	8.8	322
3	Ammonium stress in Arabidopsis: signaling, genetic loci, and physiological targets. Trends in Plant Science, 2014, 19, 107-114.	8.8	204
4	WheatOmics: A platform combining multiple omics data to accelerate functional genomics studies in wheat. Molecular Plant, 2021, 14, 1965-1968.	8.3	166
5	Biological nitrification inhibition by rice root exudates and its relationship with nitrogenâ€use efficiency. New Phytologist, 2016, 212, 646-656.	7.3	159
6	Optimizing nitrogen input to reduce nitrate leaching loss in greenhouse vegetable production. Agricultural Water Management, 2012, 111, 53-59.	5.6	128
7	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
8	Shootâ€supplied ammonium targets the root auxin influx carrier AUX1 and inhibits lateral root emergence in Arabidopsis. Plant, Cell and Environment, 2011, 34, 933-946.	5.7	90
9	The biosynthesis of auxin: how many paths truly lead to IAA?. Plant Growth Regulation, 2016, 78, 275-285.	3.4	89
10	A Roadmap for Lowering Crop Nitrogen Requirement. Trends in Plant Science, 2019, 24, 892-904.	8.8	89
11	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
12	Ta<scp>CYP</scp>81D5, 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	TFT6 and TFT7, 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
14	From Genetic Stock to Genome Editing: Gene Exploitation in Wheat. Trends in Biotechnology, 2018, 36, 160-172.	9.3	63
15	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
16	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
17	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
18	Excess iron stress reduces root tip zone growth through nitric oxideâ€mediated repression of potassium homeostasis in Arabidopsis. New Phytologist, 2018, 219, 259-274.	7.3	48

#	Article	IF	Citations
19	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
20	TaANR1-TaBG1 and TaWabi5-TaNRT2s/NARs Link ABA Metabolism and Nitrate Acquisition in Wheat Roots. Plant Physiology, 2020, 182, 1440-1453.	4.8	43
21	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
22	The ArabidopsisAMOT1/EIN3gene plays an important role in the amelioration of ammonium toxicity. Journal of Experimental Botany, 2019, 70, 1375-1388.	4.8	39
23	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
24	<scp>GSA</scp>â€1/<scp>ARG</scp>1 protects root gravitropism in Arabidopsis under ammonium stress. New Phytologist, 2013, 200, 97-111.	7.3	35
25	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
26	Involvement of auxin in the regulation of ammonium tolerance in rice (Oryza sativa L.). Plant and Soil, 2018, 432, 373-387.	3.7	30
27	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
28	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
29	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
30	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
31	Involvement of secondary messengers and small organic molecules in auxin perception and signaling. Plant Cell Reports, 2015, 34, 895-904.	5.6	21
32	Precise control of ABA signaling through post-translational protein modification. Plant Growth Regulation, 2019, 88, 99-111.	3.4	18
33	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
34	Frequent problems and their resolutions by using thermal asymmetric interlaced PCR (TAIL-PCR) to clone genes inArabidopsisT-DNA tagged mutants. Biotechnology and Biotechnological Equipment, 2015, 29, 260-267.	1.3	17
35	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
36	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

#	Article	IF	Citations
37	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
38	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
39	Forward genetic screen for auxin-deficient mutants by cytokinin. Scientific Reports, 2015, 5, 11923.	3.3	13
40	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
41	Analysis the role of arabidopsis CKRC6/ASA1 in auxin and cytokinin biosynthesis. Journal of Plant Biology, 2016, 59, 162-171.	2.1	8
42	Function of histone H2B monoubiquitination in transcriptional regulation of auxin biosynthesis in Arabidopsis. Communications Biology, 2021, 4, 206.	4.4	8
43	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
44	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