Yuan An

List of Publications by Year
in descending order

27 papers	890 citations	516710 16 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	1168 citing authors

#	Article	IF	Citations
1	Plant nitrogen concentration, use efficiency, and contents in a tallgrass prairie ecosystem under experimental warming. Global Change Biology, 2005, 11, 1733-1744.	9.5	146
2	Main and interactive effects of warming, clipping, and doubled precipitation on soil CO2efflux in a grassland ecosystem. Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	4.9	97
3	Community Structure and Abiotic Determinants of Salt Marsh Plant Zonation Vary Across Topographic Gradients. Estuaries and Coasts, 2011, 34, 459-469.	2.2	67
4	Testing the importance of plant strategies on facilitation using congeners in a coastal community. Ecology, 2012, 93, 2023-2029.	3.2	59
5	Aluminium-induced reduction of plant growth in alfalfa (Medicago sativa) is mediated by interrupting auxin transport and accumulation in roots. Scientific Reports, 2016, 6, 30079.	3.3	55
6	Aluminum toxicity in alfalfa (Medicago sativa) is alleviated by exogenous foliar IAA inducing reduction of Al accumulation in cell wall. Environmental and Experimental Botany, 2017, 139, 1-13.	4.2	48
7	Effects of foliar application of organic acids on alleviation of aluminum toxicity in alfalfa. Journal of Plant Nutrition and Soil Science, 2014, 177, 421-430.	1.9	43
8	Expression of CdDHN4, a Novel YSK2-Type Dehydrin Gene from Bermudagrass, Responses to Drought Stress through the ABA-Dependent Signal Pathway. Frontiers in Plant Science, 2017, 8, 748.	3.6	37
9	Increase phosphorus availability from the use of alfalfa (Medicago sativa L) green manure in rice (Oryza sativa L.) agroecosystem. Scientific Reports, 2016, 6, 36981.	3.3	34
10	Characterization of Dehydrin protein, CdDHN4-L and CdDHN4-S, and their differential protective roles against abiotic stress in vitro. BMC Plant Biology, 2018, 18, 299.	3.6	32
11	Phytotoxicity of aluminum on root growth and indole-3-acetic acid accumulation and transport in alfalfa roots. Environmental and Experimental Botany, 2014, 104, 1-8.	4.2	30
12	Physical Stress, Not Biotic Interactions, Preclude an Invasive Grass from Establishing in Forb-Dominated Salt Marshes. PLoS ONE, 2012, 7, e33164.	2.5	28
13	The importance of facilitation in the zonation of shrubs along a coastal salinity gradient. Journal of Vegetation Science, 2011, 22, 828-836.	2.2	26
14	MsWRKY11, activated by MsWRKY22, functions in drought tolerance and modulates lignin biosynthesis in alfalfa (Medicago sativa L.). Environmental and Experimental Botany, 2021, 184, 104373.	4.2	23
15	Characterization of Gene Expression Associated with Drought Avoidance and Tolerance Traits in a Perennial Grass Species. PLoS ONE, 2014, 9, e103611.	2.5	21
16	Protective roles of salicylic acid in maintaining integrity and functions of photosynthetic photosystems for alfalfa (Medicago sativa L.) tolerance to aluminum toxicity. Plant Physiology and Biochemistry, 2020, 155, 570-578.	5.8	19
17	Dehydrin MsDHN1 improves aluminum tolerance of alfalfa (Medicago sativa L.) by affecting oxalate exudation from root tips. Plant Journal, 2021, 108, 441-458.	5.7	19
18	Gene Expression Analysis of Alfalfa Seedlings Response to Acid-Aluminum. International Journal of Genomics, 2016, 2016, 1-13.	1.6	18

#	Article	IF	Citations
19	MsPG1 alleviated aluminum-induced inhibition of root growth by decreasing aluminum accumulation and increasing porosity and extensibility of cell walls in alfalfa (Medicago sativa). Environmental and Experimental Botany, 2020, 175, 104045.	4.2	17
20	Auxin Is Involved in Magnesium-Mediated Photoprotection in Photosystems of Alfalfa Seedlings Under Aluminum Stress. Frontiers in Plant Science, 2020, 11, 746.	3.6	14
21	Analysis of the Function of the Alfalfa Mslea-D34 Gene in Abiotic Stress Responses and Flowering Time. Plant and Cell Physiology, 2021, 62, 28-42.	3.1	14
22	Interaction of zinc and IAA alleviate aluminum-induced damage on photosystems via promoting proton motive force and reducing proton gradient in alfalfa. BMC Plant Biology, 2020, 20, 433.	3.6	12
23	Greenhouse gas intensity and net ecosystem carbon budget following the application of green manures in rice paddies. Nutrient Cycling in Agroecosystems, 2016, 106, 169-183.	2.2	8
24	Multi-scale segregations and edaphic determinants of marsh plant communities in a western Pacific estuary. Hydrobiologia, 2012, 696, 171-183.	2.0	7
25	Effect of Green Manures on Rice Growth and Plant Nutrients under Conventional and No-Till Systems. Agronomy Journal, 2015, 107, 2335-2346.	1.8	6
26	MsPG4-mediated hydrolysis of pectins increases the cell wall extensibility and aluminum resistance of alfalfa. Plant and Soil, 2022, 477, 357-371.	3.7	6
27	Alfalfa green manure amendment improved P use efficiency and reduced P losses from paddy fields. Nutrient Cycling in Agroecosystems, 2022, 123, 35-47.	2.2	4