

# Yan Xie

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,250  
citations

516710

16  
h-index

377865

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Heavy Metals Pollution on Soil Microbial Diversity and Bermudagrass Genetic Variation. <i>Frontiers in Plant Science</i> , 2016, 7, 755.	3.6	248
2	Melatonin: A Multifunctional Factor in Plants. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1528.	4.1	148
3	Alleviation of cold damage to photosystem II and metabolisms by melatonin in Bermudagrass. <i>Frontiers in Plant Science</i> , 2015, 6, 925.	3.6	134
4	Comparative photosynthetic and metabolic analyses reveal mechanism of improved cold stress tolerance in bermudagrass by exogenous melatonin. <i>Plant Physiology and Biochemistry</i> , 2016, 100, 94-104.	5.8	104
5	Effects of Cadmium Exposure on Growth and Metabolic Profile of Bermudagrass [ <i>Cynodon dactylon</i> (L.) Pers.]. <i>PLoS ONE</i> , 2014, 9, e115279.	2.5	89
6	Identification of Cd-resistant microorganisms from heavy metal-contaminated soil and its potential in promoting the growth and Cd accumulation of bermudagrass. <i>Environmental Research</i> , 2021, 200, 111730.	7.5	50
7	A transcriptomic analysis of bermudagrass ( <i>Cynodon dactylon</i> ) provides novel insights into the basis of low temperature tolerance. <i>BMC Plant Biology</i> , 2015, 15, 216.	3.6	45
8	The Fungus <i>Aspergillus aculeatus</i> Enhances Salt-Stress Tolerance, Metabolite Accumulation, and Improves Forage Quality in Perennial Ryegrass. <i>Frontiers in Microbiology</i> , 2017, 8, 1664.	3.5	41
9	Identification of cadmium-resistant fungi related to Cd transportation in bermudagrass [ <i>Cynodon dactylon</i> (L.) Pers.]. <i>Chemosphere</i> , 2014, 117, 786-792.	8.2	39
10	The Alleviation of Heat Damage to Photosystem II and Enzymatic Antioxidants by Exogenous Spermidine in Tall Fescue. <i>Frontiers in Plant Science</i> , 2017, 8, 1747.	3.6	32
11	Growth responses of two tall fescue cultivars to Pb stress and their metal accumulation characteristics. <i>Ecotoxicology</i> , 2015, 24, 563-572.	2.4	30
12	Melatonin Is Involved in Regulation of Bermudagrass Growth and Development and Response to Low K <sup>+</sup> Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 2038.	3.6	29
13	Classification of genetic variation for cadmium tolerance in Bermudagrass [ <i>Cynodon dactylon</i> (L.) Pers.] using physiological traits and molecular markers. <i>Ecotoxicology</i> , 2014, 23, 1030-1043.	2.4	27
14	Amelioration of Salt Stress on Bermudagrass by the Fungus <i>Aspergillus aculeatus</i> . <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 245-254.	2.6	25
15	Characterization of the Cd-resistant fungus <i>Aspergillus aculeatus</i> and its potential for increasing the antioxidant activity and photosynthetic efficiency of rice. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 373-381.	6.0	23
16	Effects of cadmium-resistant fungi <i>Aspergillus aculeatus</i> on metabolic profiles of bermudagrass [ <i>Cynodondactylon</i> (L.)Pers.] under Cd stress. <i>Plant Physiology and Biochemistry</i> , 2017, 114, 38-50.	5.8	18
17	Application of <i>Aspergillus aculeatus</i> to rice roots reduces Cd concentration in grain. <i>Plant and Soil</i> , 2018, 422, 409-422.	3.7	15
18	Cadmium Tolerance of Perennial Ryegrass Induced by <i>Aspergillus aculeatus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1579.	3.5	15

#	ARTICLE	IF	CITATIONS
19	Genetic diversity and association mapping of cadmium tolerance in bermudagrass [ <i>Cynodon dactylon</i> (L.) Pers.]. <i>Plant and Soil</i> , 2015, 390, 307-321.	3.7	14
20	Comparative physiological and metabolomic analyses reveal mechanisms of <i>Aspergillus aculeatus</i> -mediated abiotic stress tolerance in tall fescue. <i>Plant Physiology and Biochemistry</i> , 2019, 142, 342-350.	5.8	14
21	Evaluation of genotypic variation in heat tolerance of tall fescue by functional traits. <i>Euphytica</i> , 2014, 199, 247-260.	1.2	13
22	Overexpression of FaHSP17.8-CII improves cadmium accumulation and tolerance in tall fescue shoots by promoting chloroplast stability and photosynthetic electron transfer of PSII. <i>Journal of Hazardous Materials</i> , 2021, 417, 125932.	12.4	13
23	Effects of Fertilization and Clipping on Carbon, Nitrogen Storage, and Soil Microbial Activity in a Natural Grassland in Southern China. <i>PLoS ONE</i> , 2014, 9, e99385.	2.5	13
24	Comparative physiological and metabolic analyzes of two Italian ryegrass ( <i>Lolium multiflorum</i> ) cultivars with contrasting salinity tolerance. <i>Physiologia Plantarum</i> , 2021, 172, 1688-1699.	5.2	11
25	Comparative study of diversity based on heat tolerant-related morpho-physiological traits and molecular markers in tall fescue accessions. <i>Scientific Reports</i> , 2015, 5, 18213.	3.3	9
26	Genetic diversity and association mapping of forage quality in diverse bermudagrass accessions. <i>Euphytica</i> , 2017, 213, 1.	1.2	9
27	Exogenous <i>Aspergillus aculeatus</i> Enhances Drought and Heat Tolerance of Perennial Ryegrass. <i>Frontiers in Microbiology</i> , 2021, 12, 593722.	3.5	8
28	FaHSP17.8-CII orchestrates lead tolerance and accumulation in shoots via enhancing antioxidant enzymatic response and PSII activity in tall fescue. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112568.	6.0	7
29	Inoculation with <i>Aspergillus aculeatus</i> Alters the Performance of Perennial Ryegrass under Phosphorus Deficiency. <i>Journal of the American Society for Horticultural Science</i> , 2019, 144, 182-192.	1.0	6
30	Simultaneous gene editing of three homoeoalleles in self-incompatible allohexaploid grasses. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 1410-1415.	8.5	5
31	Effects of Continuous Cropping of <i>Codonopsis tangshen</i> on Rhizospheric Soil Bacterial Community as Determined by Pyrosequencing. <i>Diversity</i> , 2021, 13, 317.	1.7	5
32	<i>Aspergillus aculeatus</i> enhances potassium uptake and photosynthetic characteristics in perennial ryegrass by increasing potassium availability. <i>Journal of Applied Microbiology</i> , 2022, 132, 483-494.	3.1	3
33	Amelioration of salt-induced damage on alfalfa by exogenous application of silicon. <i>Grassland Science</i> , 2022, 68, 60-69.	1.1	3
34	Investigation of Growth, Free Amino Acids, and Carbohydrate Concentration in the Roots of Perennial Ryegrass in Response to Soil Salinity at Subsurface Soil Depths. <i>Journal of the American Society for Horticultural Science</i> , 2016, 141, 539-547.	1.0	2
35	Association of SSR Markers with Cold Tolerance Traits in Diverse Bermudagrass [ <i>Cynodon dactylon</i> (L.) Pers.] Accessions. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 172-182.	5.1	2
36	Evaluation of Salt Tolerance in Italian Ryegrass at Different Developmental Stages. <i>Agronomy</i> , 2021, 11, 1487.	3.0	1