

Xun Bo Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

395
citations

933447

10
h-index

839539

18
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19
all docs

19
docs citations

19
times ranked

144
citing authors

#	ARTICLE	IF	CITATIONS
1	Ameliorative effect of melatonin improves drought tolerance by regulating growth, photosynthetic traits and leaf ultrastructure of maize seedlings. <i>BMC Plant Biology</i> , 2021, 21, 368.	3.6	75
2	Interactive Effects of Melatonin and Nitrogen Improve Drought Tolerance of Maize Seedlings by Regulating Growth and Physiochemical Attributes. <i>Antioxidants</i> , 2022, 11, 359.	5.1	42
3	Melatonin Application Alleviates Stress-Induced Photosynthetic Inhibition and Oxidative Damage by Regulating Antioxidant Defense System of Maize: A Meta-Analysis. <i>Antioxidants</i> , 2022, 11, 512.	5.1	41
4	Amelioration of AsV toxicity by concurrent application of ZnO-NPs and Se-NPs is associated with differential regulation of photosynthetic indexes, antioxidant pool and osmolytes content in soybean seedling. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112738.	6.0	37
5	Irrigation and Nitrogen Fertilization Alter Soil Bacterial Communities, Soil Enzyme Activities, and Nutrient Availability in Maize Crop. <i>Frontiers in Microbiology</i> , 2022, 13, 833758.	3.5	31
6	Effects of Supplement Irrigation and Nitrogen Application Levels on Soil Carbon and Nitrogen Content and Yield of One-Year Double Cropping Maize in Subtropical Region. <i>Water (Switzerland)</i> , 2021, 13, 1180.	2.7	24
7	Nitrogen Fertilizer Modulates Plant Growth, Chlorophyll Pigments and Enzymatic Activities under Different Irrigation Regimes. <i>Agronomy</i> , 2022, 12, 845.	3.0	21
8	Melatonin and KNO ₃ Application Improves Growth, Physiological and Biochemical Characteristics of Maize Seedlings under Waterlogging Stress Conditions. <i>Biology</i> , 2022, 11, 99.	2.8	19
9	Low irrigation water minimizes the nitrate nitrogen losses without compromising the soil fertility, enzymatic activities and maize growth. <i>BMC Plant Biology</i> , 2022, 22, 159.	3.6	14
10	Planting Pattern and Irrigation Effects on Water Use Efficiency of Winter Wheat. <i>Crop Science</i> , 2014, 54, 1166-1174.	1.8	12
11	Effect of deficit irrigation scheduling and planting pattern on leaf water status and radiation use efficiency of winter wheat. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 437-449.	3.5	12
12	Double-Double Row Planting Mode at Deficit Irrigation Regime Increases Winter Wheat Yield and Water Use Efficiency in North China Plain. <i>Agronomy</i> , 2020, 10, 1315.	3.0	11
13	Effects of soaking seeds in exogenous vitamins on active oxygen metabolism and seedling growth under low-temperature stress. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 3254-3261.	3.8	11
14	Impact of the mixture versus solo residue management and climatic conditions on soil microbial biomass carbon to nitrogen ratio: a systematic review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 64241-64252.	5.3	11
15	Effect of water conditions and nitrogen application on maize growth, carbon accumulation and metabolism of maize plant in subtropical regions. <i>Archives of Agronomy and Soil Science</i> , 2023, 69, 693-707.	2.6	11
16	Regulation of Soil Microbial Community Structure and Biomass to Mitigate Soil Greenhouse Gas Emission. <i>Frontiers in Microbiology</i> , 2022, 13, 868862.	3.5	10
17	Gradual Application of Potassium Fertilizer Elevated the Sugar Conversion Mechanism and Yield of Waxy and Sweet Fresh-Eaten Maize in the Semiarid Cold Region. <i>Journal of Food Quality</i> , 2021, 2021, 1-11.	2.6	6
18	Effect of Straw Return and Nitrogen Application Rate on the Photosynthetic Characteristics and Yield of Double-Season Maize. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 660-673.	3.4	5

#	ARTICLE	IF	CITATIONS
19	Effects of nitrogen and water stress on the rehydration, endogenous hormonal regulation and yield of maize. <i>Journal of Agronomy and Crop Science</i> , 2023, 209, 161-175.	3.5	2