

Xuexian Li

List of Publications by Year in descending order

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34
papers

1,077
citations

361413

20
h-index

434195

31
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docs citations

34
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnesium Fertilization Improves Crop Yield in Most Production Systems: A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2019, 10, 1727.	3.6	142
2	A Functional Allele of <i>CsFUL1</i> Regulates Fruit Length through Repressing <i>CsSUP</i> and Inhibiting Auxin Transport in Cucumber. <i>Plant Cell</i> , 2019, 31, 1289-1307.	6.6	84
3	Sucrose triggers a novel signaling cascade promoting <i>Bacillus subtilis</i> rhizosphere colonization. <i>ISME Journal</i> , 2021, 15, 2723-2737.	9.8	63
4	Proteomic Analysis Revealed Nitrogen-mediated Metabolic, Developmental, and Hormonal Regulation of Maize (<i>Zea mays</i> L.) Ear Growth. <i>Journal of Experimental Botany</i> , 2012, 63, 5275-5288.	4.8	55
5	A Large and Deep Root System Underlies High Nitrogen-Use Efficiency in Maize Production. <i>PLoS ONE</i> , 2015, 10, e0126293.	2.5	53
6	Regulation of phosphorus uptake and utilization: transitioning from current knowledge to practical strategies. <i>Cellular and Molecular Biology Letters</i> , 2016, 21, 7.	7.0	51
7	Physiological Essence of Magnesium in Plants and Its Widespread Deficiency in the Farming System of China. <i>Frontiers in Plant Science</i> , 2022, 13, 802274.	3.6	51
8	A novel morphological response of maize (<i>Zea mays</i>) adult roots to heterogeneous nitrate supply revealed by a split-root experiment. <i>Physiologia Plantarum</i> , 2014, 150, 133-144.	5.2	49
9	Adaptation of Foxtail Millet (<i>Setaria italica</i> L.) to Abiotic Stresses: A Special Perspective of Responses to Nitrogen and Phosphate Limitations. <i>Frontiers in Plant Science</i> , 2020, 11, 187.	3.6	42
10	Foxtail Millet [<i>Setaria italica</i> (L.) Beauv.] Grown under Low Nitrogen Shows a Smaller Root System, Enhanced Biomass Accumulation, and Nitrate Transporter Expression. <i>Frontiers in Plant Science</i> , 2018, 9, 205.	3.6	41
11	<i>AtOPR3</i> specifically inhibits primary root growth in <i>Arabidopsis</i> under phosphate deficiency. <i>Scientific Reports</i> , 2016, 6, 24778.	3.3	40
12	Foliar nutrition: Potential and challenges under multifaceted agriculture. <i>Environmental and Experimental Botany</i> , 2022, 200, 104909.	4.2	34
13	<i>CsIYP</i> functions in vasculature development and downy mildew resistance in cucumber. <i>PLoS Biology</i> , 2020, 18, e3000671.	5.6	30
14	Maize cob plus husks mimics the grain sink to stimulate nutrient uptake by roots. <i>Field Crops Research</i> , 2012, 130, 38-45.	5.1	28
15	ZD958 is a low-nitrogen-efficient maize hybrid at the seedling stage among five maize and two teosinte lines. <i>Planta</i> , 2015, 242, 935-949.	3.2	27
16	Glutamine application promotes nitrogen and biomass accumulation in the shoot of seedlings of the maize hybrid ZD958. <i>Planta</i> , 2020, 251, 66.	3.2	27
17	Asymmetric transcriptomic signatures between the cob and florets in the maize ear under optimal- and low-nitrogen conditions at silking, and functional characterization of amino acid transporters <i>ZmAAP4</i> and <i>ZmVAAT3</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 6149-6166.	4.8	26
18	Down-regulation of nitrogen/carbon metabolism coupled with coordinative hormone modulation contributes to developmental inhibition of the maize ear under nitrogen limitation. <i>Planta</i> , 2016, 244, 111-124.	3.2	25

#	ARTICLE	IF	CITATIONS
19	<i>ZmCCD10a</i> Encodes a Distinct Type of Carotenoid Cleavage Dioxygenase and Enhances Plant Tolerance to Low Phosphate. <i>Plant Physiology</i> , 2020, 184, 374-392.	4.8	25
20	Integration of Hormonal and Nutritional Cues Orchestrates Progressive Corolla Opening. <i>Plant Physiology</i> , 2016, 171, 1209-1229.	4.8	24
21	<i>ZmCCD7/ZpCCD7</i> encodes a carotenoid cleavage dioxygenase mediating shoot branching. <i>Planta</i> , 2016, 243, 1407-1418.	3.2	24
22	Severity of zinc and iron malnutrition linked to low intake through a staple crop: a case study in east-central Pakistan. <i>Environmental Geochemistry and Health</i> , 2021, 43, 4219-4233.	3.4	23
23	Green Food Development in China: Experiences and Challenges. <i>Agriculture (Switzerland)</i> , 2020, 10, 614.	3.1	22
24	Nitrogen Under- and Over-supply Induces Distinct Protein Responses in Maize Xylem Sap. <i>Journal of Integrative Plant Biology</i> , 2012, 54, 374-387.	8.5	14
25	A Larger Root System Is Coupled With Contrasting Expression Patterns of Phosphate and Nitrate Transporters in Foxtail Millet [<i>Setaria italica</i> (L.) Beauv.] Under Phosphate Limitation. <i>Frontiers in Plant Science</i> , 2018, 9, 1367.	3.6	14
26	Magnesium Limitation Leads to Transcriptional Down-Tuning of Auxin Synthesis, Transport, and Signaling in the Tomato Root. <i>Frontiers in Plant Science</i> , 2021, 12, 802399.	3.6	12
27	Development and challenges of green food in China. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 56.	1.4	10
28	<i>Cis</i> -regulation of the amino acid transporter genes <i>ZmAAP2</i> and <i>ZmLHT1</i> by <i>ZmPHR1</i> transcription factors in maize ear under phosphate limitation. <i>Journal of Experimental Botany</i> , 2021, 72, 3846-3863.	4.8	9
29	Green Labelled Rice Shows a Higher Nutritional and Physiochemical Quality Than Conventional Rice in China. <i>Foods</i> , 2021, 10, 915.	4.3	7
30	Magnesium Supplementation Alters Leaf Metabolic Pathways for Higher Flavor Quality of Oolong Tea. <i>Agriculture (Switzerland)</i> , 2021, 11, 120.	3.1	6
31	Hydrogeochemical Characteristics and Quality Assessment of Mine Water in Coalfield Area, Guizhou Province, Southwest China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 1087-1094.	2.7	6
32	Foxtail millet [<i>Setaria italica</i> (L.) Beauv.] over-accumulates ammonium under low nitrogen supply. <i>Plant Physiology and Biochemistry</i> , 2022, 185, 35-44.	5.8	6
33	Aberrant Meiotic Modulation Partially Contributes to the Lower Germination Rate of Pollen Grains in Maize (<i>Zea mays</i> L.) Under Low Nitrogen Supply. <i>Plant and Cell Physiology</i> , 2016, 58, pcw195.	3.1	4
34	CsIVP Modulates Low Nitrogen and High-Temperature Resistance in Cucumber. <i>Plant and Cell Physiology</i> , 2022, 63, 605-617.	3.1	3