

Weiping Lu

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

570
citations

687363

13
h-index

642732

23
g-index

28
all docs

28
docs citations

28
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of protein removal on the physicochemical properties of waxy maize flours. <i>Starch/Staerke</i> , 2012, 64, 874-881.	2.1	88
2	Heat stress during grain filling affects activities of enzymes involved in grain protein and starch synthesis in waxy maize. <i>Scientific Reports</i> , 2018, 8, 15665.	3.3	70
3	Effects of heat stress during grain filling on the structure and thermal properties of waxy maize starch. <i>Food Chemistry</i> , 2014, 143, 313-318.	8.2	46
4	Effects of weak-light stress during grain filling on the physicochemical properties of normal maize starch. <i>Carbohydrate Polymers</i> , 2018, 202, 47-55.	10.2	46
5	High Temperature during Grain Filling Impacts on Leaf Senescence in Waxy Maize. <i>Agronomy Journal</i> , 2017, 109, 906-916.	1.8	37
6	Effects of waterlogging after pollination on the physicochemical properties of starch from waxy maize. <i>Food Chemistry</i> , 2015, 179, 232-238.	8.2	28
7	Heat Stress at Different Grain Filling Stages Affects Fresh Waxy Maize Grain Yield and Quality. <i>Cereal Chemistry</i> , 2015, 92, 258-264.	2.2	20
8	Activities of starch synthetic enzymes and contents of endogenous hormones in waxy maize grains subjected to post-silking water deficit. <i>Scientific Reports</i> , 2019, 9, 7059.	3.3	19
9	Grain and starch granule morphology in superior and inferior kernels of maize in response to nitrogen. <i>Scientific Reports</i> , 2018, 8, 6343.	3.3	18
10	Effects of short-term heat stress at the grain formation stage on physicochemical properties of waxy maize starch. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 1008-1015.	3.5	18
11	Effects of water deficit during grain filling on the physicochemical properties of waxy maize starch. <i>Starch/Staerke</i> , 2015, 67, 692-700.	2.1	17
12	Proteomics reveals the effects of drought stress on the kernel development and starch formation of waxy maize. <i>BMC Plant Biology</i> , 2021, 21, 434.	3.6	17
13	Effects of waterlogging at grain formation stage on starch structure and functionality of waxy maize. <i>Food Chemistry</i> , 2019, 294, 187-193.	8.2	16
14	Multimiomics analysis of kernel development in response to short-term heat stress at the grain formation stage in waxy maize. <i>Journal of Experimental Botany</i> , 2021, 72, 6291-6304.	4.8	14
15	Effects of Nitrogen Rates on the Physicochemical Properties of Waxy Maize Starch. <i>Starch/Staerke</i> , 2019, 71, 1900146.	2.1	13
16	Water and heat stresses during grain formation affect the physicochemical properties of waxy maize starch. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 1331-1339.	3.5	13
17	Morphological and Physiological Characteristics of Maize Roots in Response to Controlled-Release Urea under Different Soil Moisture Conditions. <i>Agronomy Journal</i> , 2019, 111, 1849-1864.	1.8	12
18	Post-Silking Shading Stress Affects Leaf Nitrogen Metabolism of Spring Maize in Southern China. <i>Plants</i> , 2020, 9, 210.	3.5	12

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19	Effects of Post-silking Shading Stress on Enzymatic Activities and Phytohormone Contents During Grain Development in Spring Maize. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1060-1073.	5.1	11
20	Effects of Heat Stress at Different Grain-Filling Phases on the Grain Yield and Quality of Waxy Maize. <i>Cereal Chemistry</i> , 2014, 91, 189-194.	2.2	8
21	Effects of Waterlogging Around Flowering Stage on the Grain Yield and Eating Properties of Fresh Waxy Maize. <i>Cereal Chemistry</i> , 2016, 93, 605-611.	2.2	8
22	Nitrogen topdressing at the jointing stage affects the nutrient accumulation and translocation in rainfed waxy maize. <i>Journal of Plant Nutrition</i> , 2019, 42, 657-672.	1.9	8
23	Effects of slow-released fertilizer on maize yield, biomass production, and source-sink ratio at different densities. <i>Journal of Plant Nutrition</i> , 2020, 43, 725-738.	1.9	8
24	Effects of fertilizer management strategies on maize yield and nitrogen use efficiencies under different densities. <i>Agronomy Journal</i> , 2020, 112, 368-381.	1.8	8
25	Effects of post-silking low temperature on the physicochemical properties of waxy maize starch. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 160-168.	7.5	6
26	Effects of postsilking weak-light stress on the flour quality of spring maize. <i>Cereal Chemistry</i> , 2019, 96, 742-753.	2.2	5
27	Starch morphological, structural, pasting, and thermal properties of waxy maize under different heat stress durations at grain formation stage. <i>Food and Energy Security</i> , 2022, 11, .	4.3	4