Haishun Yang

List of Publications by Year
in descending order

34 papers	3,901 citations	331538 21 h-index	434063 31 g-index
34 all docs	34 docs citations	34 times ranked	4633 citing authors

#	Article	IF	Citations
1	Improving crop modeling to better simulate maize yield variability under different irrigation managements. Agricultural Water Management, 2022, 262, 107429.	2.4	5
2	Evaluation of long-term degree-days estimated with several methods for corn in Nebraska, USA. Theoretical and Applied Climatology, 2022, 147, 1635-1648.	1.3	0
3	Using hydroâ€thermal time for assessing rice blast risk in subtropical Brazil. Agronomy Journal, 2021, 113, 3548-3559.	0.9	0
4	Solar dimming decreased maize yield potential on the North China Plain. Food and Energy Security, 2020, 9, e235.	2.0	17
5	Closing yield gaps for rice self-sufficiency in China. Nature Communications, 2019, 10, 1725.	5.8	179
6	Modeled and Measured Ecosystem Respiration in Maize-Soybean Systems Over 10 Years. Agronomy Journal, 2019, 111, 49-58.	0.9	5
7	Mapping rootable depth and root zone plant-available water holding capacity of the soil of sub-Saharan Africa. Geoderma, 2018, 324, 18-36.	2.3	87
8	Establishing High-Yielding Maize System for Sustainable Intensification in China. Advances in Agronomy, 2018, 148, 85-109.	2.4	37
9	Strengths and Limitations of Nitrogen Rate Recommendations for Corn and Opportunities for Improvement. Agronomy Journal, 2018, 110, 1-37.	0.9	212
10	Improvements to the Hybrid-Maize model for simulating maize yields in harsh rainfed environments. Field Crops Research, 2017, 204, 180-190.	2.3	33
11	Mesoscale Modeling of the Meteorological Impacts of Irrigation during the 2012 Central Plains Drought. Journal of Applied Meteorology and Climatology, 2017, 56, 1259-1283.	0.6	13
12	Estimating maize yield potential and yield gap with agro-climatic zones in Chinaâ€"Distinguish irrigated and rainfed conditions. Agricultural and Forest Meteorology, 2017, 239, 108-117.	1.9	77
13	Rooting for food security in Sub-Saharan Africa. Environmental Research Letters, 2017, 12, 114036.	2.2	24
14	A case study of field-scale maize irrigation patterns in western Nebraska: implications for water managers and recommendations for hyper-resolution land surface modeling. Hydrology and Earth System Sciences, 2017, 21, 1051-1062.	1.9	16
15	Rotation Impact on Onâ€Farm Yield and Inputâ€Use Efficiency in Highâ€Yield Irrigated Maizeâ€"Soybean Systems. Agronomy Journal, 2016, 108, 2313-2321.	0.9	23
16	Growing sensitivity of maize to water scarcity under climate change. Scientific Reports, 2016, 6, 19605.	1.6	87
17	Can sub-Saharan Africa feed itself?. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14964-14969.	3.3	564
18	Estimating yield potential in temperate high-yielding, direct-seeded US rice production systems. Field Crops Research, 2016, 193, 123-132.	2.3	25

#	Article	IF	Citations
19	Yield gap analysis of US rice production systems shows opportunities for improvement. Field Crops Research, 2016, 196, 276-283.	2.3	59
20	Temporal Variations of Water Productivity in Irrigated Corn: An Analysis of Factors Influencing Yield and Water Use across Central Nebraska. PLoS ONE, 2016, 11, e0161944.	1.1	14
21	Calibration and Validation of the Hybrid-Maize Crop Model for Regional Analysis and Application over the U.S. Corn Belt. Earth Interactions, 2015, 19, 1-16.	0.7	21
22	Creating long-term weather data from thin air for crop simulation modeling. Agricultural and Forest Meteorology, 2015, 209-210, 49-58.	1.9	94
23	From field to atlas: Upscaling of location-specific yield gap estimates. Field Crops Research, 2015, 177, 98-108.	2.3	145
24	How good is good enough? Data requirements for reliable crop yield simulations and yield-gap analysis. Field Crops Research, 2015, 177, 49-63.	2.3	253
25	Reply to 'CO2 emissions from crop residue-derived biofuels'. Nature Climate Change, 2014, 4, 934-935.	8.1	1
26	Biofuels from crop residue can reduce soil carbon and increase CO2 emissions. Nature Climate Change, 2014, 4, 398-401.	8.1	158
27	Evaluation of a Modified Hybridâ€Maize Model Incorporating a Newly Developed Module of Plastic Film Mulching. Crop Science, 2014, 54, 2796-2804.	0.8	23
28	High-yield irrigated maize in the Western U.S. Corn Belt: II. Irrigation management and crop water productivity. Field Crops Research, 2011, 120, 133-141.	2.3	114
29	Evaluation of NASA Satelliteâ€•and Modelâ€Derived Weather Data for Simulation of Maize Yield Potential in China. Agronomy Journal, 2010, 102, 9-16.	0.9	109
30	Limits to maize productivity in Western Corn-Belt: A simulation analysis for fully irrigated and rainfed conditions. Agricultural and Forest Meteorology, 2009, 149, 1254-1265.	1.9	211
31	Features, Applications, and Limitations of the Hybridâ€Maize Simulation Model. Agronomy Journal, 2006, 98, 737-748.	0.9	70
32	Annual carbon dioxide exchange in irrigated and rainfed maize-based agroecosystems. Agricultural and Forest Meteorology, 2005, 131, 77-96.	1.9	449
33	MEETINGCEREALDEMANDWHILEPROTECTINGNATURALRESOURCES ANDIMPROVINGENVIRONMENTALQUALITY. Annual Review of Environment and Resources, 2003, 28, 315-358.	5.6	774
34	Quantifying and Managing Corn Water Use Efficiencies under Irrigated and Rainfed Conditions in Nebraska Using the Hybrid-Maize Simulation Model. Advances in Agricultural Systems Modeling, 0, , 113-138.	0.3	2