

Wei Wei Xiong

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,481
citations

186265

28
h-index

276875

41
g-index

46
all docs

46
docs citations

46
times ranked

2952
citing authors

#	ARTICLE	IF	CITATIONS
1	The RppC-AvrRppC NLR-effector interaction mediates the resistance to southern corn rust in maize. <i>Molecular Plant</i> , 2022, 15, 904-912.	8.3	31
2	The optimization of conservation agriculture practices requires attention to location-specific performance: Evidence from large scale gridded simulations across South Asia. <i>Field Crops Research</i> , 2022, 282, 108508.	5.1	8
3	Climate impact and adaptation to heat and drought stress of regional and global wheat production. <i>Environmental Research Letters</i> , 2021, 16, 054070.	5.2	52
4	Harnessing translational research in wheat for climate resilience. <i>Journal of Experimental Botany</i> , 2021, 72, 5134-5157.	4.8	28
5	Increased ranking change in wheat breeding under climate change. <i>Nature Plants</i> , 2021, 7, 1207-1212.	9.3	37
6	Contrasting contributions of five factors to wheat yield growth in China by process-based and statistical models. <i>European Journal of Agronomy</i> , 2021, 130, 126370.	4.1	11
7	Comparisons among four different upscaling strategies for cultivar genetic parameters in rainfed spring wheat phenology simulations with the DSSAT-CERES-Wheat model. <i>Agricultural Water Management</i> , 2021, 258, 107181.	5.6	9
8	Different uncertainty distribution between high and low latitudes in modelling warming impacts on wheat. <i>Nature Food</i> , 2020, 1, 63-69.	14.0	43
9	Better Agronomic Management Increases Climate Resilience of Maize to Drought in Tanzania. <i>Atmosphere</i> , 2020, 11, 982.	2.3	7
10	A consistent calibration across three wheat models to simulate wheat yield and phenology in China. <i>Ecological Modelling</i> , 2020, 430, 109132.	2.5	8
11	A cultivated planet in 2010 – Part 2: The global gridded agricultural-production maps. <i>Earth System Science Data</i> , 2020, 12, 3545-3572.	9.9	122
12	Decreases in global beer supply due to extreme drought and heat. <i>Nature Plants</i> , 2018, 4, 964-973.	9.3	153
13	Climate change impact on Mexico wheat production. <i>Agricultural and Forest Meteorology</i> , 2018, 263, 373-387.	4.8	66
14	Calibration-induced uncertainty of the EPIC model to estimate climate change impact on global maize yield. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1358-1375.	3.8	37
15	Modelling and predicting crop yield, soil carbon and nitrogen stocks under climate change scenarios with fertiliser management in the North China Plain. <i>Geoderma</i> , 2016, 265, 176-186.	5.1	50
16	FACEIT: A science gateway for food security research. <i>Concurrency Computation Practice and Experience</i> , 2015, 27, 4423-4436.	2.2	25
17	Assessing vulnerability and adaptive capacity to potential drought for winter-wheat under the RCP 8.5 scenario in the Huang-Huai-Hai Plain. <i>Agriculture, Ecosystems and Environment</i> , 2015, 209, 125-131.	5.3	47
18	Integrated assessment of China's agricultural vulnerability to climate change: a multi-indicator approach. <i>Climatic Change</i> , 2015, 128, 355-366.	3.6	35

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19	FACE-IT: A Science Gateway for Food Security Research. , 2014, , .		3
20	Multi-scale geospatial agroecosystem modeling: A case study on the influence of soil data resolution on carbon budget estimates. Science of the Total Environment, 2014, 479-480, 138-150.	8.0	21
21	African crop yield reductions due to increasingly unbalanced Nitrogen and Phosphorus consumption. Global Change Biology, 2014, 20, 1278-1288.	9.5	67
22	A calibration procedure to improve global rice yield simulations with EPIC. Ecological Modelling, 2014, 273, 128-139.	2.5	60
23	Impacts of observed growing-season warming trends since 1980 on crop yields in China. Regional Environmental Change, 2014, 14, 7-16.	2.9	57
24	Global wheat production potentials and management flexibility under the representative concentration pathways. Global and Planetary Change, 2014, 122, 107-121.	3.5	110
25	Can climate-smart agriculture reverse the recent slowing of rice yield growth in China?. Agriculture, Ecosystems and Environment, 2014, 196, 125-136.	5.3	44
26	Geographic Variation of Rice Yield Response to Past Climate Change in China. Journal of Integrative Agriculture, 2014, 13, 1586-1598.	3.5	21
27	Climate change impact on China food security in 2050. Agronomy for Sustainable Development, 2013, 33, 363-374.	5.3	107
28	Rural livelihoods and climate variability in Ningxia, Northwest China. Climatic Change, 2013, 119, 891-904.	3.6	24
29	Pan-European crop modelling with EPIC: Implementation, up-scaling and regional crop yield validation. Agricultural Systems, 2013, 120, 61-75.	6.1	127
30	The impacts of climate change on agricultural production systems in China. Climatic Change, 2013, 120, 313-324.	3.6	93
31	China's water-energy nexus: greenhouse-gas emissions from groundwater use for agriculture. Environmental Research Letters, 2012, 7, 014035.	5.2	152
32	Untangling relative contributions of recent climate and CO ₂ trends to national cereal production in China. Environmental Research Letters, 2012, 7, 044014.	5.2	49
33	Which policy would work better for improved soil fertility management in sub-Saharan Africa, fertilizer subsidies or carbon credits?. Agricultural Systems, 2012, 110, 162-172.	6.1	25
34	Proposing an interdisciplinary and cross-scale framework for global change and food security researches. Agriculture, Ecosystems and Environment, 2012, 156, 57-71.	5.3	45
35	Modeling the impact of climate change on soil organic carbon stock in upland soils in the 21st century in China. Agriculture, Ecosystems and Environment, 2011, 141, 23-31.	5.3	90
36	Climate change, water availability and future cereal production in China. Agriculture, Ecosystems and Environment, 2010, 135, 58-69.	5.3	144

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37	A crop model cross calibration for use in regional climate impacts studies. <i>Ecological Modelling</i> , 2008, 213, 365-380.	2.5	82
38	Evaluation of CERES-Wheat simulation of Wheat Production in China. <i>Agronomy Journal</i> , 2008, 100, 1720-1728.	1.8	51
39	Climate change and critical thresholds in China's food security. <i>Climatic Change</i> , 2007, 81, 205-221.	3.6	84
40	Adaptation of agriculture to warming in Northeast China. <i>Climatic Change</i> , 2007, 84, 45-58.	3.6	138
41	Modelling China's potential maize production at regional scale under climate change. <i>Climatic Change</i> , 2007, 85, 433-451.	3.6	107
42	Case Study 1: China Benefiting from Global Warming: Agricultural Production in Northeast China. <i>IDS Bulletin</i> , 2005, 36, 15-32.	0.8	6