

Cheryl H Porter

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,998
citations

394421

19
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

2656
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable Use of Groundwater May Dramatically Reduce Irrigated Production of Maize, Soybean, and Wheat. <i>Earth's Future</i> , 2022, 10, .	6.3	8
2	Climate impacts on global agriculture emerge earlier in new generation of climate and crop models. <i>Nature Food</i> , 2021, 2, 873-885.	14.0	263
3	Modelling climate change impacts on maize yields under low nitrogen input conditions in sub-Saharan Africa. <i>Global Change Biology</i> , 2020, 26, 5942-5964.	9.5	60
4	Estimating the potential impact of climate change on sunflower yield in the Konya province of Turkey. <i>Journal of Agricultural Science</i> , 2020, 158, 806-818.	1.3	7
5	Reuse of process-based models: automatic transformation into many programming languages and simulation platforms. <i>In Silico Plants</i> , 2020, 2, .	1.9	4
6	A SIMPLE crop model. <i>European Journal of Agronomy</i> , 2019, 104, 97-106.	4.1	67
7	A multi-scale and multi-model gridded framework for forecasting crop production, risk analysis, and climate change impact studies. <i>Environmental Modelling and Software</i> , 2019, 115, 144-154.	4.5	48
8	Sensitivity of Maize Yield in Smallholder Systems to Climate Scenarios in Semi-Arid Regions of West Africa: Accounting for Variability in Farm Management Practices. <i>Agronomy</i> , 2019, 9, 639.	3.0	22
9	The DSSAT crop modeling ecosystem. <i>Burleigh Dodds Series in Agricultural Science</i> , 2019, , 173-216.	0.2	147
10	Coordinating AgMIP data and models across global and regional scales for 1.5°C and 2.0°C assessments. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20160455.	3.4	48
11	START: A data preparation tool for crop simulation models using web-based soil databases. <i>Computers and Electronics in Agriculture</i> , 2018, 154, 256-264.	7.7	6
12	Fuzzy Union to Assess Climate Suitability of Annual Ryegrass (<i>Lolium multiflorum</i>), Alfalfa (<i>Medicago</i>) Tj ETQq0 0 0,rgBT /Overlock 10 TF	3.3	11
13	Brief history of agricultural systems modeling. <i>Agricultural Systems</i> , 2017, 155, 240-254.	6.1	403
14	Performance of the SUBSTOR-potato model across contrasting growing conditions. <i>Field Crops Research</i> , 2017, 202, 57-76.	5.1	75
15	Integrating growth stage deficit irrigation into a process based crop model. <i>Agricultural and Forest Meteorology</i> , 2017, 243, 84-92.	4.8	42
16	Toward a new generation of agricultural system data, models, and knowledge products: State of agricultural systems science. <i>Agricultural Systems</i> , 2017, 155, 269-288.	6.1	261
17	Towards a new generation of agricultural system data, models and knowledge products: Information and communication technology. <i>Agricultural Systems</i> , 2017, 155, 200-212.	6.1	143
18	Improving agricultural knowledge management: The AgTrials experience. <i>F1000Research</i> , 2017, 6, 317.	1.6	8

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19	Improving agricultural knowledge management: The AgTrials experience. F1000Research, 2017, 6, 317.	1.6	6
20	Performance of DSSAT-Nwheat across a wide range of current and future growing conditions. European Journal of Agronomy, 2016, 81, 27-36.	4.1	58
21	Calibration-induced uncertainty of the EPIC model to estimate climate change impact on global maize yield. Journal of Advances in Modeling Earth Systems, 2016, 8, 1358-1375.	3.8	37
22	FACEIT: A science gateway for food security research. Concurrency Computation Practice and Experience, 2015, 27, 4423-4436.	2.2	25
23	Climate adaptation imperatives: untapped global maize yield opportunities. International Journal of Agricultural Sustainability, 2014, 12, 471-486.	3.5	17
24	Harmonization and translation of crop modeling data to ensure interoperability. Environmental Modelling and Software, 2014, 62, 495-508.	4.5	45
25	Integrated description of agricultural field experiments and production: The ICASA Version 2.0 data standards. Computers and Electronics in Agriculture, 2013, 96, 1-12.	7.7	80
26	Modeling organic carbon and carbon-mediated soil processes in DSSAT v4.5. Operational Research, 2010, 10, 247-278.	2.0	55
27	Extension of an Existing Model for Soil Water Evaporation and Redistribution under High Water Content Conditions. Soil Science Society of America Journal, 2009, 73, 792-801.	2.2	51