

Ehsan Eyshi Rezaei

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

4,441
citations

236925
25
h-index

168389
53
g-index

60
all docs

60
docs citations

60
times ranked

4604
citing authors

#	ARTICLE	IF	CITATIONS
1	Rising temperatures reduce global wheat production. <i>Nature Climate Change</i> , 2015, 5, 143-147.	18.8	1,544
2	Similar estimates of temperature impacts on global wheat yield by three independent methods. <i>Nature Climate Change</i> , 2016, 6, 1130-1136.	18.8	352
3	Climate change impact and adaptation for wheat protein. <i>Global Change Biology</i> , 2019, 25, 155-173.	9.5	312
4	Heat stress in cereals: Mechanisms and modelling. <i>European Journal of Agronomy</i> , 2015, 64, 98-113.	4.1	227
5	The uncertainty of crop yield projections is reduced by improved temperature response functions. <i>Nature Plants</i> , 2017, 3, 17102.	9.3	170
6	Impact of heat stress on crop yield on the importance of considering canopy temperature. <i>Environmental Research Letters</i> , 2014, 9, 044012.	5.2	151
7	Global-scale drought risk assessment for agricultural systems. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 695-712.	3.6	136
8	Multimodel ensembles improve predictions of crop environment management interactions. <i>Global Change Biology</i> , 2018, 24, 5072-5083.	9.5	111
9	Crop model improvement reduces the uncertainty of the response to temperature of multi-model ensembles. <i>Field Crops Research</i> , 2017, 202, 5-20.	5.1	109
10	Global wheat production with 1.5 and 2.0°C above pre-industrial warming. <i>Global Change Biology</i> , 2019, 25, 1428-1444.	9.5	107
11	Intensity of heat stress in winter wheat phenology compensates for the adverse effect of global warming. <i>Environmental Research Letters</i> , 2015, 10, 024012.	5.2	95
12	Canopy temperature for simulation of heat stress in irrigated wheat in a semi-arid environment: A multi-model comparison. <i>Field Crops Research</i> , 2017, 202, 21-35.	5.1	91
13	Climate change effect on wheat phenology depends on cultivar change. <i>Scientific Reports</i> , 2018, 8, 4891.	3.3	88
14	Demand for multi-scale weather data for regional crop modeling. <i>Agricultural and Forest Meteorology</i> , 2015, 200, 156-171.	4.8	74
15	Climate and management interaction cause diverse crop phenology trends. <i>Agricultural and Forest Meteorology</i> , 2017, 233, 55-70.	4.8	59
16	Drought risk for agricultural systems in South Africa: Drivers, spatial patterns, and implications for drought risk management. <i>Science of the Total Environment</i> , 2021, 799, 149505.	8.0	49
17	Rainfed wheat yields under climate change in northeastern Iran. <i>Meteorological Applications</i> , 2012, 19, 346-354.	2.1	47
18	Impact of data resolution on heat and drought stress simulated for winter wheat in Germany. <i>European Journal of Agronomy</i> , 2015, 65, 69-82.	4.1	44

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19	Quantifying the response of wheat yields to heat stress: The role of the experimental setup. <i>Field Crops Research</i> , 2018, 217, 93-103.	5.1	44
20	Weather impacts on crop yields - searching for simple answers to a complex problem. <i>Environmental Research Letters</i> , 2017, 12, 081001.	5.2	43
21	Mitigation of climate change impacts on maize productivity in northeast of Iran: a simulation study. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2012, 17, 1-16.	2.1	41
22	Future production of rainfed wheat in Iran (Khorasan province): climate change scenario analysis. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2014, 19, 211-227.	2.1	40
23	How does inter-annual variability of attainable yield affect the magnitude of yield gaps for wheat and maize? An analysis at ten sites. <i>Agricultural Systems</i> , 2018, 159, 199-208.	6.1	36
24	Physical robustness of canopy temperature models for crop heat stress simulation across environments and production conditions. <i>Field Crops Research</i> , 2018, 216, 75-88.	5.1	36
25	Decomposing crop model uncertainty: A systematic review. <i>Field Crops Research</i> , 2022, 279, 108448.	5.1	29
26	Determining optimum planting dates for rainfed wheat using the precipitation uncertainty model and adjusted crop evapotranspiration. <i>Agricultural Water Management</i> , 2013, 126, 56-63.	5.6	25
27	Evaluation of Ceres-Rice, Aquacrop and Oryza2000 Models in Simulation of Rice Yield Response to Different Irrigation and Nitrogen Management Strategies. <i>Journal of Plant Nutrition</i> , 2014, 37, 1749-1769.	1.9	25
28	The Optimal Phenological Phase of Maize for Yield Prediction with High-Frequency UAV Remote Sensing. <i>Remote Sensing</i> , 2022, 14, 1559.	4.0	25
29	Adaptation of crop production to climate change by crop substitution. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015, 20, 1155-1174.	2.1	23
30	Effects of soil- and climate data aggregation on simulated potato yield and irrigation water requirement. <i>Science of the Total Environment</i> , 2020, 710, 135589.	8.0	23
31	Estimating climate change, CO2 and technology development effects on wheat yield in northeast Iran. <i>International Journal of Biometeorology</i> , 2014, 58, 395-405.	3.0	22
32	Combined impacts of climate and nutrient fertilization on yields of pearl millet in Niger. <i>European Journal of Agronomy</i> , 2014, 55, 77-88.	4.1	22
33	Impact of crop management and environment on the spatio-temporal variance of potato yield at regional scale. <i>Field Crops Research</i> , 2021, 270, 108213.	5.1	21
34	Crop harvested area, not yield, drives variability in crop production in Iran. <i>Environmental Research Letters</i> , 2021, 16, 064058.	5.2	19
35	UAV-based indicators of crop growth are robust for distinct water and nutrient management but vary between crop development phases. <i>Field Crops Research</i> , 2022, 284, 108582.	5.1	19
36	Climatic Suitability of Growing Summer Squash (<i>Cucurbita pepo</i> L.) as a Medicinal Plant in Iran. <i>Notulae Scientia Biologicae</i> , 2011, 3, 39-46.	0.4	16

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37	Modelling Agroforestry's Contributions to People's A Review of Available Models. <i>Agronomy</i> , 2021, 11, 2106.	3.0	16
38	Nutrient supply affects the yield stability of major European crops—a 50 year study. <i>Environmental Research Letters</i> , 2021, 16, 014003.	5.2	15
39	Quick Detection of Field-Scale Soil Comprehensive Attributes via the Integration of UAV and Sentinel-2B Remote Sensing Data. <i>Remote Sensing</i> , 2021, 13, 4716.	4.0	14
40	Analysis of Drought Impact on Croplands from Global to Regional Scale: A Remote Sensing Approach. <i>Remote Sensing</i> , 2020, 12, 4030.	4.0	12
41	Implications of data aggregation method on crop model outputs – The case of irrigated potato systems in Tasmania, Australia. <i>European Journal of Agronomy</i> , 2021, 126, 126276.	4.1	11
42	Crop Yield Estimation Using Multi-Source Satellite Image Series and Deep Learning. , 2020, , .		11
43	Simulation of winter wheat response to variable sowing dates and densities in a high-yielding environment. <i>Journal of Experimental Botany</i> , 2022, 73, 5715-5729.	4.8	10
44	Climate change impact on legumes' water production function in the northeast of Iran. <i>Journal of Water and Climate Change</i> , 2015, 6, 374-385.	2.9	9
45	Uncertainty in climate change impact studies for irrigated maize cropping systems in southern Spain. <i>Scientific Reports</i> , 2022, 12, 4049.	3.3	9
46	The consequences of change in management practices on maize yield under climate warming in Iran. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1001-1013.	2.8	8
47	Nitrogen and cultivated bulb weight effects on radiation and nitrogen-use efficiency, carbon partitioning and production of Persian shallot (<i>Allium altissimum</i> Regel.). <i>Journal of Crop Science and Biotechnology</i> , 2013, 16, 237-244.	1.5	7
48	The use of remote sensing to derive maize sowing dates for large-scale crop yield simulations. <i>International Journal of Biometeorology</i> , 2021, 65, 565-576.	3.0	7
49	How reliable are current crop models for simulating growth and seed yield of canola across global sites and under future climate change?. <i>Climatic Change</i> , 2022, 172, .	3.6	5
50	Crop Models as Tools for Agroclimatology. <i>Agronomy</i> , 0, , 519-546.	0.2	4
51	Processing tomatoes under climate change. <i>Nature Food</i> , 2022, 3, 404-405.	14.0	3
52	The potential of crop models in simulation of barley quality traits under changing climates: A review. <i>Field Crops Research</i> , 2022, 286, 108624.	5.1	3
53	Comparative Analysis of Drought Indices for Drought Zone Scheme of Northern Khorasan Province of Iran. <i>Notulae Scientia Biologicae</i> , 2011, 3, 62-69.	0.4	2