

# Hongyong Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,188  
citations

257101

24  
h-index

301761

39  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1656  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of halophyte biochar and its effects on water and salt contents in saline soil. <i>Environmental Science and Pollution Research</i> , 2022, 29, 11831-11842.	2.7	8
2	Effects of swine wastewater irrigation on soil properties and accumulation of heavy metals and antibiotics. <i>Journal of Soils and Sediments</i> , 2022, 22, 889-904.	1.5	12
3	Converting maize production with low energy cost and high economic return for sustainable development. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 136, 110443.	8.2	16
4	Water productivity improvement in summer maize – a case study in the North China Plain from 1980 to 2019. <i>Agricultural Water Management</i> , 2021, 247, 106728.	2.4	15
5	Electrical capacitance estimates crop root traits best under dry conditions – a case study in cotton ( <i>Gossypium hirsutum</i> L.). <i>Plant and Soil</i> , 2021, 467, 549-567.	1.8	9
6	Long-Term Amelioration Practices Reshape the Soil Microbiome in a Coastal Saline Soil and Alter the Richness and Vertical Distribution Differently Among Bacterial, Archaeal, and Fungal Communities. <i>Frontiers in Microbiology</i> , 2021, 12, 768203.	1.5	13
7	Wheat-derived soil organic carbon accumulates more than its maize counterpart in a wheat-maize cropping system after 21 years. <i>European Journal of Soil Science</i> , 2020, 71, 695-705.	1.8	5
8	Modified Red Blue Vegetation Index for Chlorophyll Estimation and Yield Prediction of Maize from Visible Images Captured by UAV. <i>Sensors</i> , 2020, 20, 5055.	2.1	52
9	Trichoderma Enhances Net Photosynthesis, Water Use Efficiency, and Growth of Wheat ( <i>Triticum</i> ) Tj ETQq1 1 0.784314 rgBT/Overlo	1.6	41
10	Scaling Effects on Chlorophyll Content Estimations with RGB Camera Mounted on a UAV Platform Using Machine-Learning Methods. <i>Sensors</i> , 2020, 20, 5130.	2.1	51
11	Dynamic changes in leaf wax n-alkanes and $\delta^{13}C$ during leaf development in winter wheat under varied irrigation experiments. <i>Organic Geochemistry</i> , 2020, 146, 104054.	0.9	11
12	Thermo-time domain reflectometry to evaluate unsaturated soils contaminated with nonaqueous phase liquids. <i>Vadose Zone Journal</i> , 2020, 19, e20016.	1.3	2
13	Long-Term Phytoremediation of Coastal Saline Soil Reveals Plant Species-Specific Patterns of Microbial Community Recruitment. <i>MSystems</i> , 2020, 5, .	1.7	49
14	The Evapotranspiration of Tamarix and Its Response to Environmental Factors in Coastal Saline Land of China. <i>Water (Switzerland)</i> , 2019, 11, 2273.	1.2	10
15	OPTIMIZED TIMING OF USING CANOPY TEMPERATURE TO SELECT HIGH-YIELDING CULTIVARS OF WINTER WHEAT UNDER DIFFERENT WATER REGIMES. <i>Experimental Agriculture</i> , 2018, 54, 257-272.	0.4	4
16	Assessing the performance of different irrigation systems on winter wheat under limited water supply. <i>Agricultural Water Management</i> , 2018, 196, 133-143.	2.4	61
17	Impact of water transfer on interaction between surface water and groundwater in the lowland area of North China Plain. <i>Hydrological Processes</i> , 2018, 32, 2044-2057.	1.1	18
18	Responses of yield and WUE of winter wheat to water stress during the past three decades – A case study in the North China Plain. <i>Agricultural Water Management</i> , 2017, 179, 47-54.	2.4	100

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19	Increasing the Planting Uniformity Improves the Yield of Summer Maize. <i>Agronomy Journal</i> , 2017, 109, 1463-1475.	0.9	7
20	Improving Winter Wheat Performance by Foliar Spray of ABA and FA Under Water Deficit Conditions. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 83-96.	2.8	28
21	Changes in water use efficiency and water footprint in grain production over the past 35 years: a case study in the North China Plain. <i>Journal of Cleaner Production</i> , 2016, 116, 71-79.	4.6	79
22	Assessing the Impact of Air Pollution on Grain Yield of Winter Wheat - A Case Study in the North China Plain. <i>PLoS ONE</i> , 2016, 11, e0162655.	1.1	9
23	Incorporating root distribution factor to evaluate soil water status for winter wheat. <i>Agricultural Water Management</i> , 2015, 153, 32-41.	2.4	31
24	Subsoil compaction and irrigation regimes affect the root-shoot relation and grain yield of winter wheat. <i>Agricultural Water Management</i> , 2015, 154, 59-67.	2.4	43
25	Quantifying the impact of irrigation on groundwater reserve and crop production – A case study in the North China Plain. <i>European Journal of Agronomy</i> , 2015, 70, 48-56.	1.9	100
26	Performance of a Double Cropping System under a Continuous Minimum Irrigation Strategy. <i>Agronomy Journal</i> , 2014, 106, 281-289.	0.9	17
27	Optimizing the yield of winter wheat by regulating water consumption during vegetative and reproductive stages under limited water supply. <i>Irrigation Science</i> , 2013, 31, 1103-1112.	1.3	95
28	Responses of yield and water use efficiency to irrigation amount decided by pan evaporation for winter wheat. <i>Agricultural Water Management</i> , 2013, 129, 173-180.	2.4	45
29	Contribution of cultivar, fertilizer and weather to yield variation of winter wheat over three decades: A case study in the North China Plain. <i>European Journal of Agronomy</i> , 2013, 50, 52-59.	1.9	115
30	The effects of nitrogen supply and water regime on instantaneous WUE, time-integrated WUE and carbon isotope discrimination in winter wheat. <i>Field Crops Research</i> , 2013, 144, 236-244.	2.3	64
31	Changes in evapotranspiration over irrigated winter wheat and maize in North China Plain over three decades. <i>Agricultural Water Management</i> , 2011, 98, 1097-1104.	2.4	136
32	Study on Water Consumption Rule and Impact Factor on Potted Cultural Pear. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	0
33	Water use efficiency and associated traits in winter wheat cultivars in the North China Plain. <i>Agricultural Water Management</i> , 2010, 97, 1117-1125.	2.4	113
34	Effects of winter wheat row spacing on evapotranspiration, grain yield and water use efficiency. <i>Agricultural Water Management</i> , 2010, 97, 1126-1132.	2.4	65
35	Effects of irrigation frequency under limited irrigation on root water uptake, yield and water use efficiency of winter wheat. <i>Irrigation and Drainage</i> , 2009, 58, 393-405.	0.8	28
36	Root size, distribution and soil water depletion as affected by cultivars and environmental factors. <i>Field Crops Research</i> , 2009, 114, 75-83.	2.3	141

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37	Dry matter, harvest index, grain yield and water use efficiency as affected by water supply in winter wheat. <i>Irrigation Science</i> , 2008, 27, 1-10.	1.3	199
38	Effects of harvest and sowing time on the performance of the rotation of winter wheat“summer maize in the North China Plain. <i>Industrial Crops and Products</i> , 2007, 25, 239-247.	2.5	123
39	Performance of Double-Cropped Winter Wheat-Summer Maize under Minimum Irrigation in the North China Plain. <i>Agronomy Journal</i> , 2006, 98, 1620-1626.	0.9	112
40	Improved Water Use Efficiency Associated with Cultivars and Agronomic Management in the North China Plain. <i>Agronomy Journal</i> , 2005, 97, 783-790.	0.9	161