

# Junming Wang

## List of Publications by Year in descending order

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23  
papers

334  
citations

840776

11  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

493  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the impacts of tillage and fertilization management on nitrous oxide emissions in a cornfield using the DNDC model. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 337-349.	3.0	45
2	The importance of rare versus abundant phoD-harboring subcommunities in driving soil alkaline phosphatase activity and available P content in Chinese steppe ecosystems. <i>Soil Biology and Biochemistry</i> , 2022, 164, 108491.	8.8	32
3	Corn Yield and Soil Nitrous Oxide Emission under Different Fertilizer and Soil Management: A Three-Year Field Experiment in Middle Tennessee. <i>PLoS ONE</i> , 2015, 10, e0125406.	2.5	27
4	A Vision for Incorporating Environmental Effects into Nitrogen Management Decision Support Tools for U.S. Maize Production. <i>Frontiers in Plant Science</i> , 2017, 8, 1270.	3.6	25
5	Deterministic processes dominate soil methanotrophic community assembly in grassland soils. <i>Geoderma</i> , 2020, 359, 114004.	5.1	24
6	Pollen-mediated gene flow and transfer of resistance alleles from herbicide-resistant broadleaf weeds. <i>Weed Technology</i> , 2021, 35, 173-187.	0.9	22
7	Energy balance measurements and a simple model for estimating pecan water use efficiency. <i>Agricultural Water Management</i> , 2007, 91, 92-101.	5.6	20
8	Local Dust Emission Factors for Agricultural Tilling Operations. <i>Soil Science</i> , 2010, 175, 194-200.	0.9	18
9	Wind-mediated horseweed ( <i>C. onyza canadensis</i> ) gene flow: pollen emission, dispersion, and deposition. <i>Ecology and Evolution</i> , 2015, 5, 2646-2658.	1.9	16
10	Responses of corn physiology and yield to six agricultural practices over three years in middle Tennessee. <i>Scientific Reports</i> , 2016, 6, 27504.	3.3	14
11	Near-Field Dust Exposure from Cotton Field Tilling and Harvesting. <i>Journal of Environmental Quality</i> , 2008, 37, 551-556.	2.0	13
12	Increasing relative abundance of non-cyanobacterial photosynthetic organisms drives ecosystem multifunctionality during the succession of biological soil crusts. <i>Geoderma</i> , 2021, 395, 115052.	5.1	12
13	Evaluation of Clear-Sky Incoming Radiation Estimating Equations Typically Used in Remote Sensing Evapotranspiration Algorithms. <i>Remote Sensing</i> , 2013, 5, 4735-4752.	4.0	11
14	Field Studies on Dynamic Pollen Production, Deposition, and Dispersion of Glyphosate-Resistant Horseweed ( <i>Conyza canadensis</i> ). <i>Weed Science</i> , 2016, 64, 101-111.	1.5	11
15	Atmospheric pollen dispersion from herbicide-resistant horseweed ( <i>Conyza canadensis</i> L.). <i>Aerobiologia</i> , 2017, 33, 393-406.	1.7	10
16	Pollination Competition Effects on Gene-Flow Estimation: Using Regular vs. Male-Sterile Bait Plants. <i>Agronomy Journal</i> , 2006, 98, 1060-1064.	1.8	9
17	Long-distance and dynamic seed dispersal from horseweed ( <i>Conyza canadensis</i> ). <i>Ecoscience</i> , 2018, 25, 271-285.	1.4	7
18	A Comparison of Lagrangian Model Estimates to Light Detection and Ranging (LIDAR) Measurements of Dust Plumes from Field Tilling. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 1370-1378.	1.9	6

#	ARTICLE	IF	CITATIONS
19	Modeling Inorganic Soil Nitrogen Status in Maize Agroecosystems. Soil Science Society of America Journal, 2019, 83, 1564-1574.	2.2	6
20	Particulate Matter Contributions from Agricultural Tilling Operations in an Irrigated Desert Region. PLoS ONE, 2015, 10, e0138577.	2.5	4
21	Development of an Online Tool for Tracking Soil Nitrogen to Improve the Environmental Performance of Maize Production. Sustainability, 2021, 13, 5649.	3.2	2
22	Non-Gaussian Lagrangian Stochastic Model for Wind Field Simulation in the Surface Layer. Advances in Atmospheric Sciences, 2020, 37, 90-104.	4.3	0
23	Dynamic Seed Emission, Dispersion, and Deposition from Horseweed ( <i>Conyza canadensis</i> (L.) Tj ETQq1 1 0.784314 rgBT /Overlock 107	3.5	0