

# Yi Liu

## List of Publications by Year in descending order

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24  
papers

926  
citations

471509

17  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1005  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil water dynamics and water use efficiency in spring maize ( <i>Zea mays</i> L.) fields subjected to different water management practices on the Loess Plateau, China. <i>Agricultural Water Management</i> , 2010, 97, 769-775.	5.6	113
2	Microplastic contamination is ubiquitous in riparian soils and strongly related to elevation, precipitation and population density. <i>Journal of Hazardous Materials</i> , 2021, 411, 125178.	12.4	107
3	The benefic effect induced by biochar on soil erosion and nutrient loss of slopping land under natural rainfall conditions in central China. <i>Agricultural Water Management</i> , 2017, 185, 145-150.	5.6	86
4	Interactions between N, P and K fertilizers affect the environment and the yield and quality of satsumas. <i>Global Ecology and Conservation</i> , 2019, 19, e00663.	2.1	66
5	Rhizosphere effects promote soil aggregate stability and associated organic carbon sequestration in rocky areas of desertification. <i>Agriculture, Ecosystems and Environment</i> , 2020, 304, 107126.	5.3	64
6	Application of Controlled-Release Urea Enhances Grain Yield and Nitrogen Use Efficiency in Irrigated Rice in the Yangtze River Basin, China. <i>Frontiers in Plant Science</i> , 2018, 9, 999.	3.6	47
7	Carbon Dioxide Flux from Rice Paddy Soils in Central China: Effects of Intermittent Flooding and Draining Cycles. <i>PLoS ONE</i> , 2013, 8, e56562.	2.5	45
8	Phosphorus spatial distribution and pollution risk assessment in agricultural soil around the Danjiangkou reservoir, China. <i>Science of the Total Environment</i> , 2020, 699, 134417.	8.0	43
9	Dynamic Changes of Soil Surface Organic Carbon under Different Mulching Practices in Citrus Orchards on Sloping Land. <i>PLoS ONE</i> , 2016, 11, e0168384.	2.5	42
10	Soil aggregate-associated organic carbon dynamics subjected to different types of land use: Evidence from $^{13}\text{C}$ natural abundance. <i>Ecological Engineering</i> , 2018, 122, 295-302.	3.6	40
11	Stable isotope fractionation provides information on carbon dynamics in soil aggregates subjected to different long-term fertilization practices. <i>Soil and Tillage Research</i> , 2018, 177, 54-60.	5.6	35
12	Response of greenhouse gas emissions from three types of wetland soils to simulated temperature change on the Qinghai-Tibetan Plateau. <i>Atmospheric Environment</i> , 2017, 171, 17-24.	4.1	31
13	Soil C and N dynamics and hydrological processes in a maize-wheat rotation field subjected to different tillage and straw management practices. <i>Agriculture, Ecosystems and Environment</i> , 2019, 285, 106616.	5.3	31
14	Assessment of soil water, carbon and nitrogen cycling in reseeded grassland on the North Wyke Farm Platform using a process-based model. <i>Science of the Total Environment</i> , 2017, 603-604, 27-37.	8.0	21
15	Modelling field scale spatial variation in water run-off, soil moisture, $\text{N}_2\text{O}$ emissions and herbage biomass of a grazed pasture using the SPACSYS model. <i>Geoderma</i> , 2018, 315, 49-58.	5.1	21
16	Soil aggregate-associated distribution of DDTs and HCHs in farmland and bareland soils in the Danjiangkou Reservoir Area of China. <i>Environmental Pollution</i> , 2018, 243, 734-742.	7.5	21
17	$\text{N}_2\text{O}$ emissions and product ratios of nitrification and denitrification are altered by K fertilizer in acidic agricultural soils. <i>Environmental Pollution</i> , 2020, 265, 115065.	7.5	21
18	Soil aggregate-associated heavy metals subjected to different types of land use in subtropical China. <i>Global Ecology and Conservation</i> , 2018, 16, e00465.	2.1	20

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19	Climate change and environmental impacts on and adaptation strategies for production in wheat-rice rotations in southern China. <i>Agricultural and Forest Meteorology</i> , 2020, 292-293, 108136.	4.8	16
20	Impacts of nitrogen practices on yield, grain quality, and nitrogen use efficiency of crops and soil fertility in three paddy-upland cropping systems. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 2218-2226.	3.5	15
21	K fertilizer alleviates N <sub>2</sub> O emissions by regulating the abundance of nitrifying and denitrifying microbial communities in the soil-plant system. <i>Journal of Environmental Management</i> , 2021, 291, 112579.	7.8	15
22	Soil CO <sub>2</sub> Emissions and Drivers in Rice-Wheat Rotation Fields Subjected to Different Long-Term Fertilization Practices. <i>Clean - Soil, Air, Water</i> , 2016, 44, 867-876.	1.1	13
23	Soil organic carbon distribution in relation to terrain & land use—a case study in a small watershed of Danjiangkou reservoir area, China. <i>Global Ecology and Conservation</i> , 2019, 20, e00731.	2.1	7
24	Aquatic macrophytes mitigate the short-term negative effects of silver nanoparticles on denitrification and greenhouse gas emissions in riparian soils. <i>Environmental Pollution</i> , 2022, 293, 118611.	7.5	6