

# Xiaojun Shi

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

2,013  
citations

430874

18  
h-index

289244

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2242  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pursuing sustainable productivity with millions of smallholder farmers. <i>Nature</i> , 2018, 555, 363-366.	27.8	747
2	Arbuscular mycorrhizae alleviate negative effects of zinc oxide nanoparticle and zinc accumulation in maize plants – A soil microcosm experiment. <i>Chemosphere</i> , 2016, 147, 88-97.	8.2	199
3	Fertilization Shapes Bacterial Community Structure by Alteration of Soil pH. <i>Frontiers in Microbiology</i> , 2017, 8, 1325.	3.5	183
4	Bioavailability of Zn in ZnO nanoparticle-spiked soil and the implications to maize plants. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	81
5	Impacts of nitrogen fertilizer type and application rate on soil acidification rate under a wheat-maize double cropping system. <i>Journal of Environmental Management</i> , 2020, 270, 110888.	7.8	71
6	Impacts of farmland application of antibiotic-contaminated manures on the occurrence of antibiotic residues and antibiotic resistance genes in soil: A meta-analysis study. <i>Chemosphere</i> , 2022, 300, 134529.	8.2	63
7	Quantification of the contribution of nitrogen fertilization and crop harvesting to soil acidification in a wheat-maize double cropping system. <i>Plant and Soil</i> , 2019, 434, 167-184.	3.7	58
8	Long-term tobacco plantation induces soil acidification and soil base cation loss. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5442-5450.	5.3	55
9	Seasonality in river export of nitrogen: A modelling approach for the Yangtze River. <i>Science of the Total Environment</i> , 2019, 671, 1282-1292.	8.0	52
10	Environmental impacts of pepper ( <i>Capsicum annuum</i> L) production affected by nutrient management: A case study in southwest China. <i>Journal of Cleaner Production</i> , 2018, 171, 934-943.	9.3	46
11	Soil type shapes the antibiotic resistome profiles of long-term manured soil. <i>Science of the Total Environment</i> , 2021, 786, 147361.	8.0	39
12	Impacts of long-term nitrogen fertilization on acid buffering rates and mechanisms of a slightly calcareous clay soil. <i>Geoderma</i> , 2017, 305, 92-99.	5.1	30
13	Global direct nitrous oxide emissions from the bioenergy crop sugarcane ( <i>Saccharum</i> spp.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	8.0	30
14	Agronomic Responses of Major Fruit Crops to Fertilization in China: A Meta-Analysis. <i>Agronomy</i> , 2020, 10, 15.	3.0	27
15	Modeling the Contribution of Crops to Nitrogen Pollution in the Yangtze River. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11929-11939.	10.0	26
16	Global reactive nitrogen loss in orchard systems: A review. <i>Science of the Total Environment</i> , 2022, 821, 153462.	8.0	22
17	Carbon Footprint Analyses and Potential Carbon Emission Reduction in China's Major Peach Orchards. <i>Sustainability</i> , 2018, 10, 2908.	3.2	21
18	Environmental mitigation potential by improved nutrient managements in pear ( <i>Pyrus pyrifolia</i> L.) orchards based on life cycle assessment: A case study in the North China Plain. <i>Journal of Cleaner Production</i> , 2020, 262, 121273.	9.3	21

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19	Challenges and strategies for agricultural green development in the Yangtze River Basin. <i>Journal of Integrative Environmental Sciences</i> , 2021, 18, 37-54.	2.5	21
20	Mapping the Environmental Cost of a Typical Citrus-Producing County in China: Hotspot and Optimization. <i>Sustainability</i> , 2020, 12, 1827.	3.2	20
21	Carbon sequestration dynamic, trend and efficiency as affected by 22-year fertilization under a rice-wheat cropping system. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 652-660.	1.9	19
22	Mitigating phosphorus pollution from detergents in the surface waters of China. <i>Science of the Total Environment</i> , 2022, 804, 150125.	8.0	18
23	Spatial and Seasonal Variations in the Abundance of Nitrogen-Transforming Genes and the Microbial Community Structure in Freshwater Lakes with Different Trophic Statuses. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2298.	2.6	17
24	Grafting alleviates potassium stress and improves growth in tobacco. <i>BMC Plant Biology</i> , 2019, 19, 130.	3.6	16
25	Mitigating magnesium deficiency for sustainable citrus production: A case study in Southwest China. <i>Scientia Horticulturae</i> , 2022, 295, 110832.	3.6	15
26	Nitrogen fertilization stimulates nitrogen assimilation and modifies nitrogen partitioning in the spring shoot leaves of citrus ( <i>Citrus reticulata</i> Blanco) trees. <i>Journal of Plant Physiology</i> , 2021, 267, 153556.	3.5	14
27	Fruit Yields Depend on Biomass and Nutrient Accumulations in New Shoots of Citrus Trees. <i>Agronomy</i> , 2020, 10, 1988.	3.0	12
28	Integrated physiological, proteome and gene expression analyses provide new insights into nitrogen remobilization in citrus trees. <i>Tree Physiology</i> , 2022, 42, 1628-1645.	3.1	12
29	Improved nitrogen use efficiency, carbon sequestration and reduced environmental contamination under a gradient of manure application. <i>Soil and Tillage Research</i> , 2022, 220, 105386.	5.6	10
30	Bacterial Diversity and Community in Response to Long-Term Nitrogen Fertilization Gradient in Citrus Orchard Soils. <i>Diversity</i> , 2021, 13, 282.	1.7	9
31	The effects of ground cover management on fruit yield and quality: a meta-analysis. <i>Archives of Agronomy and Soil Science</i> , 2022, 68, 1890-1902.	2.6	8
32	Flue-cured tobacco ( <i>Nicotiana tabacum</i> L.) leaf quality can be improved by grafting with potassium-efficient rootstock. <i>Field Crops Research</i> , 2021, 274, 108305.	5.1	8
33	Soil acidification under long-term tobacco plantation results in alterations of mineralogical properties in an Alisol. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 1033-1040.	2.6	7
34	Effects of 22-year fertilisation on the soil organic C, N, and their fractions under a rice-wheat cropping system. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 767-777.	2.6	7
35	Adaboost-Based Machine Learning Improved the Modeling Robust and Estimation Accuracy of Pear Leaf Nitrogen Concentration by In-Field VIS-NIR Spectroscopy. <i>Sensors</i> , 2021, 21, 6260.	3.8	7
36	Response of grafting tobacco to low potassium stress. <i>BMC Plant Biology</i> , 2020, 20, 286.	3.6	6

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37	A Small Amount of Nitrogen Transfer from White Clover to Citrus Seedling via Common Arbuscular Mycorrhizal Networks. <i>Agronomy</i> , 2021, 11, 32.	3.0	5
38	Estimation of Watermelon Nutrient Requirements Based on the QUEFTS Model. <i>Agronomy</i> , 2020, 10, 1776.	3.0	4
39	Nitrogen Management Based on Visible/Near Infrared Spectroscopy in Pear Orchards. <i>Remote Sensing</i> , 2021, 13, 927.	4.0	2
40	Optimal N management improves crop yields and soil carbon, nitrogen sequestration in Chinese cabbage-maize rotation. <i>Archives of Agronomy and Soil Science</i> , 2023, 69, 1071-1084.	2.6	2
41	Spatio-temporal assessment of greenhouse gas emission from rapeseed production in China by coupling nutrient flows model with LCA approach. <i>Food and Energy Security</i> , 0, , .	4.3	2
42	Environmental Assessment of Furrow vs. Drip Irrigated Pear ( <i>Pyrus bretschneideri</i> Rehd.) Production Systems in Loess Plateau (China). <i>Agronomy</i> , 2021, 11, 1201.	3.0	1