

# Xinping Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/883885/publications.pdf>

Version: 2024-02-01

26  
papers

1,796  
citations

394421

19  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1855  
citing authors

#	ARTICLE	IF	CITATIONS
1	Closing yield gaps in China by empowering smallholder farmers. <i>Nature</i> , 2016, 537, 671-674.	27.8	417
2	Understanding production potentials and yield gaps in intensive maize production in China. <i>Field Crops Research</i> , 2013, 143, 91-97.	5.1	237
3	Enhanced efficiency fertilizers are not a panacea for resolving the nitrogen problem. <i>Global Change Biology</i> , 2018, 24, e511-e521.	9.5	200
4	Yield and Nitrogen Balance of Greenhouse Tomato ( <i>Lycopersicon esculentum</i> Mill.) with Conventional and Site-specific Nitrogen Management in Northern China. <i>Nutrient Cycling in Agroecosystems</i> , 2007, 77, 1-14.	2.2	127
5	In-Season Root-Zone N Management for Mitigating Greenhouse Gas Emission and Reactive N Losses in Intensive Wheat Production. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6015-6022.	10.0	119
6	Active canopy sensor-based precision N management strategy for rice. <i>Agronomy for Sustainable Development</i> , 2012, 32, 925-933.	5.3	106
7	Agronomic Approach of Zinc Biofortification Can Increase Zinc Bioavailability in Wheat Flour and thereby Reduce Zinc Deficiency in Humans. <i>Nutrients</i> , 2017, 9, 465.	4.1	60
8	Partial substitution of chemical fertilizer with organic amendments affects soil organic carbon composition and stability in a greenhouse vegetable production system. <i>Soil and Tillage Research</i> , 2019, 191, 185-196.	5.6	54
9	Developing a new Crop Circle active canopy sensor-based precision nitrogen management strategy for winter wheat in North China Plain. <i>Precision Agriculture</i> , 2017, 18, 2-18.	6.0	53
10	Overuse of Phosphorus Fertilizer Reduces the Grain and Flour Protein Contents and Zinc Bioavailability of Winter Wheat ( <i>Triticum aestivum</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1473-1482.	5.2	52
11	A steady-state N balance approach for sustainable smallholder farming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	49
12	Carbon footprint assessment for irrigated and rainfed maize ( <i>Zea mays</i> L.) production on the Loess Plateau of China. <i>Biosystems Engineering</i> , 2018, 167, 75-86.	4.3	44
13	Environmental costs and mitigation potential in plastic-greenhouse pepper production system in China: A life cycle assessment. <i>Agricultural Systems</i> , 2018, 167, 186-194.	6.1	38
14	Investigation of Leaf Diseases and Estimation of Chlorophyll Concentration in Seven Barley Varieties Using Fluorescence and Hyperspectral Indices. <i>Remote Sensing</i> , 2014, 6, 64-86.	4.0	37
15	Long-term optimization of crop yield while concurrently improving soil quality. <i>Land Degradation and Development</i> , 2019, 30, 897-909.	3.9	30
16	A high plant density reduces the ability of maize to use soil nitrogen. <i>PLoS ONE</i> , 2017, 12, e0172717.	2.5	28
17	Environmental, human health, and ecosystem economic performance of long-term optimizing nitrogen management for wheat production. <i>Journal of Cleaner Production</i> , 2021, 311, 127620.	9.3	22
18	Improving soil quality for higher grain yields in Chinese wheat and maize production. <i>Land Degradation and Development</i> , 2020, 31, 1125-1137.	3.9	21

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19	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
20	Cutting carbon footprints of vegetable production with integrated soil - crop system management: A case study of greenhouse pepper production. <i>Journal of Cleaner Production</i> , 2020, 254, 120158.	9.3	21
21	Aggregate-associated changes in nutrient properties, microbial community and functions in a greenhouse vegetable field based on an eight-year fertilization experiment of China. <i>Journal of Integrative Agriculture</i> , 2020, 19, 2530-2548.	3.5	17
22	Strengthening Agronomy Research for Food Security and Environmental Quality. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1639-1641.	10.0	13
23	Integrated systematic approach increase greenhouse tomato yield and reduce environmental losses. <i>Journal of Environmental Management</i> , 2020, 266, 110569.	7.8	11
24	The nitrogen and carbon footprints of vegetable production in the subtropical high elevation mountain region. <i>Ecological Indicators</i> , 2021, 122, 107298.	6.3	10
25	Life cycle assessment of a long-term multifunctional winter wheat-summer maize rotation system on the North China Plain under sustainable P management. <i>Science of the Total Environment</i> , 2021, 783, 147039.	8.0	7
26	Environmental impacts, human health, and energy consumption of nitrogen management for maize production in subtropical region. <i>Environmental Science and Pollution Research</i> , 2022, 29, 75636-75650.	5.3	2