

## List of Publications by Citations

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37  
papers

975  
citations

19  
h-index

31  
g-index

41  
ext. papers

1,523  
ext. citations

10.2  
avg, IF

4.53  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 37 | China's livestock transition: Driving forces, impacts, and consequences. <i>Science Advances</i> , <b>2018</b> , 4, eaar8534   | 14.3 | 137       |
| 36 | Nitrogen, Phosphorus, and Potassium Flows through the Manure Management Chain in China. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 13409-13418                    | 10.3 | 114       |
| 35 | Hotspots for Nitrogen and Phosphorus Losses from Food Production in China: A County-Scale Analysis. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5782-5791          | 10.3 | 86        |
| 34 | Accumulation and leaching of nitrate in soils in wheat-maize production in China. <i>Agricultural Water Management</i> , <b>2019</b> , 212, 407-415                                      | 5.9  | 47        |
| 33 | Air quality, nitrogen use efficiency and food security in China are improved by cost-effective agricultural nitrogen management. <i>Nature Food</i> , <b>2020</b> , 1, 648-658           | 14.4 | 43        |
| 32 | Mitigating ammonia emission from agriculture reduces PM pollution in the Hai River Basin in China. <i>Science of the Total Environment</i> , <b>2017</b> , 609, 1152-1160                | 10.2 | 41        |
| 31 | Livestock Housing and Manure Storage Need to Be Improved in China. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 8212-8214   | 10.3 | 34        |
| 30 | Designing Vulnerable Zones of Nitrogen and Phosphorus Transfers To Control Water Pollution in China. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8987-8988         | 10.3 | 33        |
| 29 | Exploring Future Food Provision Scenarios for China. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1385-1393   | 10.3 | 33        |
| 28 | Global environmental costs of China's thirst for milk. <i>Global Change Biology</i> , <b>2018</b> , 24, 2198-2211  | 11.4 | 32        |
| 27 | Transformation of nitrogen and carbon during composting of manure litter with different methods. <i>Bioresource Technology</i> , <b>2019</b> , 293, 122046                               | 11   | 30        |
| 26 | Multi-scale Modeling of Nutrient Pollution in the Rivers of China. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9614-9625   | 10.3 | 30        |
| 25 | Modeling nutrients in Lake Dianchi (China) and its watershed. <i>Agricultural Water Management</i> , <b>2019</b> , 212, 48-59  | 5.9  | 29        |
| 24 | Nutrient losses to surface waters in Hai He basin: A case study of Guanting reservoir and Baiyangdian lake. <i>Agricultural Water Management</i> , <b>2019</b> , 213, 62-75              | 5.9  | 28        |
| 23 | China's pig relocation in balance. <i>Nature Sustainability</i> , <b>2019</b> , 2, 888-888   | 22.1 | 24        |
| 22 | Seasonality in river export of nitrogen: A modelling approach for the Yangtze River. <i>Science of the Total Environment</i> , <b>2019</b> , 671, 1282-1292                              | 10.2 | 23        |
| 21 | Environmental impacts and resource use of milk production on the North China Plain, based on life cycle assessment. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 486-495 | 10.2 | 22        |

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| 20 | Agricultural nitrogen and phosphorus emissions to water and their mitigation options in the Haihe Basin, China. <i>Agricultural Water Management</i> , <b>2019</b> , 212, 262-272                             | 5.9  | 22 |
| 19 | Cost-effective management of coastal eutrophication: A case study for the Yangtze river basin. <i>Resources, Conservation and Recycling</i> , <b>2020</b> , 154, 104635                                       | 11.9 | 19 |
| 18 | Further Improvement of Air Quality in China Needs Clear Ammonia Mitigation Target. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10542-10544  | 10.3 | 17 |
| 17 | Urbanization: an increasing source of multiple pollutants to rivers in the 21st century. <i>Npj Urban Sustainability</i> , <b>2021</b> , 1,   |      | 17 |
| 16 | Reducing Ammonia Emissions from Dairy Cattle Production via Cost-Effective Manure Management Techniques in China. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 11840-11848               | 10.3 | 14 |
| 15 | Global Change Can Make Coastal Eutrophication Control in China More Difficult. <i>Earth's Future</i> , <b>2020</b> , 8, e2019EF001280   | 7.9  | 14 |
| 14 | Nitrogen and carbon footprints of dairy farm systems in China and New Zealand, as influenced by productivity, feed sources and mitigations. <i>Agricultural Water Management</i> , <b>2019</b> , 213, 155-163 | 5.9  | 14 |
| 13 | Spatial Planning Needed to Drastically Reduce Nitrogen and Phosphorus Surpluses in China's Agriculture. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11894-11904                         | 10.3 | 13 |
| 12 | How to avoid coastal eutrophication - a back-casting study for the North China Plain. <i>Science of the Total Environment</i> , <b>2019</b> , 692, 676-690  | 10.2 | 11 |
| 11 | Nutrient use efficiencies, losses, and abatement strategies for peri-urban dairy production systems. <i>Journal of Environmental Management</i> , <b>2018</b> , 228, 232-238                                  | 7.9  | 11 |
| 10 | Modeling the Contribution of Crops to Nitrogen Pollution in the Yangtze River. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 11929-11939  | 10.3 | 10 |
| 9  | Accounting for interactions between Sustainable Development Goals is essential for water pollution control in China.. <i>Nature Communications</i> , <b>2022</b> , 13, 730                                    | 17.4 | 7  |
| 8  | China's future food demand and its implications for trade and environment. <i>Nature Sustainability</i> ,   | 22.1 | 7  |
| 7  | Dietary manipulation to reduce nitrogen and phosphorus excretion by dairy cows. <i>Livestock Science</i> , <b>2019</b> , 228, 61-66   | 1.7  | 3  |
| 6  | A food system revolution for China in the post-pandemic world. <i>Resources, Environment and Sustainability</i> , <b>2020</b> , 2, 100013   | 3.2  | 3  |
| 5  | Seasonal River Export of Nitrogen to Guanting and Baiyangdian Lakes in the Hai He Basin. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2021</b> , 126, e2020JG005689                          | 3.7  | 2  |
| 4  | Reply to Comment on "Multi-Scale Modeling of Nutrient Pollution in the Rivers of China". <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 2046-2047  | 10.3 | 2  |
| 3  | Role of Organic and Conservation Agriculture in Ammonia Emissions and Crop Productivity in China.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,  | 10.3 | 1  |

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|---|---|------|---|
| 2 | Food and feed trade has greatly impacted global land and nitrogen use efficiencies over 1961-2017. <i>Nature Food</i> , <b>2021</b> , 2, 780-791                                  | 14.4 | 1 |
| 1 | Strategies to reduce ammonia emissions from livestock and their cost-benefit analysis: A case study of Sheyang county. <i>Environmental Pollution</i> , <b>2021</b> , 290, 118045 | 9.3  | 1 |