# Xuejun Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6399564/publications.pdf

Version: 2024-02-01

| 201 | 14,030 | 34105 52 | 22832 112 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 206 | 206 | 206 | 9578 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reducing environmental risk by improving N management in intensive Chinese agricultural systems. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3041-3046. | 7.1 | 2,071 |
| 2 | Enhanced nitrogen deposition over China. Nature, 2013, 494, 459-462. | 27.8 | 2,009 |
| 3 | Nitrogen deposition and its ecological impact in China: An overview. Environmental Pollution, 2011, 159, 2251-2264. | 7.5 | 652 |
| 4 | Stabilization of atmospheric nitrogen deposition in China over the past decade. Nature Geoscience, 2019, 12, 424-429. | 12.9 | 490 |
| 5 | Nitrogen fertilization directly affects soil bacterial diversity and indirectly affects bacterial community composition. Soil Biology and Biochemistry, 2016, 92, 41-49. | 8.8 | 484 |
| 6 | Nitrogen dynamics and budgets in a winter wheatâ€“maize cropping system in the North China Plain. Field Crops Research, 2003, 83, 111-124. | 5.1 | 302 |
| 7 | High-resolution ammonia emissions inventories in China from 1980 to 2012. Atmospheric Chemistry and Physics, 2016, 16, 2043-2058. | 4.9 | 281 |
| 8 | Integrated Nutrient Management for Food Security and Environmental Quality in China. Advances in Agronomy, 2012, , 1-40. | 5.2 | 253 |
| 9 | Salinity Is a Key Determinant for Soil Microbial Communities in a Desert Ecosystem. MSystems, 2019, 4, . | 3.8 | 238 |
| 10 | Nitrogen Fertilization, Soil Nitrate Accumulation, and Policy Recommendations in Several Agricultural Regions of China. Ambio, 2004, 33, 300-305. | 5.5 | 237 |
| 11 | Agricultural ammonia emissions in China: reconciling bottom-up and top-down estimates. Atmospheric Chemistry and Physics, 2018, 18, 339-355. | 4.9 | 220 |
| 12 | Enhancedâ€efficiency fertilizers are not a panacea for resolving the nitrogen problem. Global Change Biology, 2018, 24, e511-e521. | 9.5 | 200 |
| 13 | Changes of nitrogen deposition in China from 1980 to 2018. Environment International, 2020, 144, 106022. | 10.0 | 169 |
| 14 | Puzzling Haze Events in China During the Coronavirus (COVIDâ€19) Shutdown. Geophysical Research Letters, 2020, 47, e2020GL088533. | 4.0 | 165 |
| 15 | Evidence for organic N deposition and its anthropogenic sources in China. Atmospheric Environment, 2008, 42, 1035-1041. | 4.1 | 160 |
| 16 | Ammonia Emissions May Be Substantially Underestimated in China. Environmental Science & Technology, 2017, 51, 12089-12096. | 10.0 | 160 |
| 17 | Atmospheric nitrogen deposition to China: A model analysis on nitrogen budget and critical load exceedance. Atmospheric Environment, 2017, 153, 32-40. | 4.1 | 152 |
| 18 | The Impact of Nitrogen Placement and Tillage on NO, N2O, CH4 and CO2 Fluxes from a Clay Loam Soil. Plant and Soil, 2006, 280, 177-188. | 3.7 | 151 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nitrogen deposition in agroecosystems in the Beijing area. Agriculture, Ecosystems and Environment, 2006, 113, 370-377. | 5.3 | 144 |
| 20 | Rapid SO<sub>2</sub> emission reductions significantly increase tropospheric ammonia concentrations over the North China Plain. Atmospheric Chemistry and Physics, 2018, 18, 17933-17943. | 4.9 | 121 |
| 21 | Quantifying the total airborne nitrogen input into agroecosystems in the North China Plain. Agriculture, Ecosystems and Environment, 2007, 121, 395-400. | 5.3 | 117 |
| 22 | Source apportionment of atmospheric ammonia before, during, and after the 2014 APEC summit in Beijing using stable nitrogen isotope signatures. Atmospheric Chemistry and Physics, 2016, 16, 11635-11647. | 4.9 | 116 |
| 23 | Model-Based Analysis of the Long-Term Effects of Fertilization Management on Cropland Soil Acidification. Environmental Science & Technology, 2017, 51, 3843-3851. | 10.0 | 115 |
| 24 | Response of ammonia volatilization to biochar addition: A meta-analysis. Science of the Total Environment, 2019, 655, 1387-1396. | 8.0 | 112 |
| 25 | Evidence for a Historic Change Occurring in China. Environmental Science & Technology, 2016, 50, 505-506. | 10.0 | 105 |
| 26 | Imbalanced phosphorus and nitrogen deposition in China's forests. Atmospheric Chemistry and Physics, 2016, 16, 8571-8579. | 4.9 | 98 |
| 27 | Atmospheric dry and wet nitrogen deposition on three contrasting land use types of an agricultural catchment in subtropical central China. Atmospheric Environment, 2013, 67, 415-424. | 4.1 | 92 |
| 28 | Air quality improvement in a megacity: implications from 2015ÂBeijing Parade Blue pollution control actions. Atmospheric Chemistry and Physics, 2017, 17, 31-46. | 4.9 | 91 |
| 29 | Effect of a new urease inhibitor on ammonia volatilization and nitrogen utilization in wheat in north and northwest China. Field Crops Research, 2015, 175, 96-105. | 5.1 | 89 |
| 30 | A chronology of global air quality. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190314. | 3.4 | 87 |
| 31 | Source apportionment of fine particulate matter in China in 2013 using a source-oriented chemical transport model. Science of the Total Environment, 2017, 601-602, 1476-1487. | 8.0 | 86 |
| 32 | Modeling soil acidification in typical Chinese cropping systems. Science of the Total Environment, 2018, 613-614, 1339-1348. | 8.0 | 86 |
| 33 | Atmospheric ammonia and particulate ammonium from agricultural sources in the North China Plain. Atmospheric Environment, 2011, 45, 5033-5041. | 4.1 | 84 |
| 34 | Enhanced acidification in Chinese croplands as derived from element budgets in the period 1980â€“2010. Science of the Total Environment, 2018, 618, 1497-1505. | 8.0 | 82 |
| 35 | Characteristics of ammonia, acid gases, and PM2.5 for three typical land-use types in the North China Plain. Environmental Science and Pollution Research, 2016, 23, 1158-1172. | 5.3 | 81 |
| 36 | Evidence for the Importance of Atmospheric Nitrogen Deposition to Eutrophic Lake Dianchi, China. Environmental Science & Technology, 2017, 51, 6699-6708. | 10.0 | 80 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Atmospheric nitrogen deposition in the Yangtze River basin: Spatial pattern and source attribution. Environmental Pollution, 2018, 232, 546-555. | 7.5 | 79 |
| 38 | Impacts of nitrogen fertilizer type and application rate on soil acidification rate under a wheat-maize double cropping system. Journal of Environmental Management, 2020, 270, 110888. | 7.8 | 71 |
| 39 | Responses of CH4, CO2 and N2O fluxes to increasing nitrogen deposition in alpine grassland of the Tianshan Mountains. Chemosphere, 2012, 88, 140-143. | 8.2 | 69 |
| 40 | Exploring global changes in agricultural ammonia emissions and their contribution to nitrogen deposition since 1980. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121998119. | 7.1 | 69 |
| 41 | The contribution of atmospheric deposition and forest harvesting to forest soil acidification in China since 1980. Atmospheric Environment, 2016, 146, 215-222. | 4.1 | 67 |
| 42 | Crop production, nitrogen recovery and water use efficiency in riceâ€“wheat rotation as affected by non-flooded mulching cultivation (NFMC). Nutrient Cycling in Agroecosystems, 2005, 71, 289-299. | 2.2 | 65 |
| 43 | Spatialâ€“temporal patterns of inorganic nitrogen air concentrations and deposition in eastern China. Atmospheric Chemistry and Physics, 2018, 18, 10931-10954. | 4.9 | 65 |
| 44 | Bulk deposition of organic and inorganic nitrogen in southwest China from 2008 to 2013. Environmental Pollution, 2017, 227, 157-166. | 7.5 | 63 |
| 45 | Cropland acidification increases risk of yield losses and food insecurity in China. Environmental Pollution, 2020, 256, 113145. | 7.5 | 62 |
| 46 | Atmospheric Nitrogen Emission, Deposition, and Air Quality Impacts in China: an Overview. Current Pollution Reports, 2017, 3, 65-77. | 6.6 | 61 |
| 47 | Longâ€term changes in soil pH across major forest ecosystems in China. Geophysical Research Letters, 2015, 42, 933-940. | 4.0 | 60 |
| 48 | No significant nitrous oxide emissions during spring thaw under grazing and nitrogen addition in an alpine grassland. Global Change Biology, 2012, 18, 2546-2554. | 9.5 | 59 |
| 49 | Quantification of the contribution of nitrogen fertilization and crop harvesting to soil acidification in a wheat-maize double cropping system. Plant and Soil, 2019, 434, 167-184. | 3.7 | 58 |
| 50 | Wet and dry nitrogen deposition in the central Sichuan Basin of China. Atmospheric Environment, 2016, 143, 39-50. | 4.1 | 56 |
| 51 | Impact of emission controls on air quality in Beijing during APEC 2014: Implications from water-soluble ions and carbonaceous aerosol in PM2.5 and their precursors. Atmospheric Environment, 2019, 210, 241-252. | 4.1 | 56 |
| 52 | Effect of N stabilizers on fertilizer-N fate in the soil-crop system: A meta-analysis. Agriculture, Ecosystems and Environment, 2020, 290, 106763. | 5.3 | 56 |
| 53 | Crop Yields, Internal Nutrient Efficiency, and Changes in Soil Properties in Riceâ€“Wheat Rotations Under Non-Flooded Mulching Cultivation. Plant and Soil, 2005, 277, 265-276. | 3.7 | 54 |
| 54 | Nitrogen input, 15N balance and mineral N dynamics in a riceâ€“wheat rotation in southwest China. Nutrient Cycling in Agroecosystems, 2007, 79, 255-265. | 2.2 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Research on the slope spectrum of the Loess Plateau. Science in China Series D: Earth Sciences, 2008, 51, 175-185. | 0.9 | 54 |
| 56 | Triangular Transplanting Pattern and Split Nitrogen Fertilizer Application Increase Rice Yield and Nitrogen Fertilizer Recovery. Agronomy Journal, 2009, 101, 1421-1425. | 1.8 | 54 |
| 57 | Temporal characteristics of atmospheric ammonia and nitrogen dioxide over China based on emission data, satellite observations and atmospheric transport modeling since 1980. Atmospheric Chemistry and Physics, 2017, 17, 9365-9378. | 4.9 | 54 |
| 58 | Important contributions of non-fossil fuel nitrogen oxides emissions. Nature Communications, 2021, 12, 243. | 12.8 | 54 |
| 59 | Leaching of veterinary antibiotics in calcareous Chinese croplands. Chemosphere, 2013, 91, 928-934. | 8.2 | 53 |
| 60 | Spatial and temporal variation of atmospheric nitrogen deposition in the North China Plain. Acta Ecologica Sinica, 2006, 26, 1633-1638. | 1.9 | 50 |
| 61 | Nitrogen deposition and its contribution to nutrient inputs to intensively managed agricultural ecosystems. Ecological Applications, 2010, 20, 80-90. | 3.8 | 50 |
| 62 | A database of atmospheric nitrogen concentration and deposition from the nationwide monitoring network in China. Scientific Data, 2019, 6, 51. | 5.3 | 50 |
| 63 | Challenges for Global Sustainable Nitrogen Management in Agricultural Systems. Journal of Agricultural and Food Chemistry, 2020, 68, 3354-3361. | 5.2 | 46 |
| 64 | A new urease-inhibiting formulation decreases ammonia volatilization and improves maize nitrogen utilization in North China Plain. Scientific Reports, 2017, 7, 43853. | 3.3 | 45 |
| 65 | Response of alpine grassland to elevated nitrogen deposition and water supply in China. Oecologia, 2015, 177, 65-72. | 2.0 | 43 |
| 66 | Ammonia volatilization as the major nitrogen loss pathway in dryland agro-ecosystems. Environmental Pollution, 2020, 265, 114862. | 7.5 | 43 |
| 67 | The vertical variability of ammonia in urban Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 16385-16398. | 4.9 | 42 |
| 68 | Persistent Nonagricultural and Periodic Agricultural Emissions Dominate Sources of Ammonia in Urban Beijing: Evidence from <sup>15</sup>N Stable Isotope in Vertical Profiles. Environmental Science & Technology, 2020, 54, 102-109. | 10.0 | 42 |
| 69 | Impact of nitrogen addition on plant community in a semi-arid temperate steppe in China. Journal of Arid Land, 2012, 4, 3-10. | 2.3 | 41 |
| 70 | Systematic low bias of passive samplers in characterizing nitrogen isotopic composition of atmospheric ammonia. Atmospheric Research, 2020, 243, 105018. | 4.1 | 40 |
| 71 | Impacts of Pollution Controls on Air Quality in Beijing during the 2008 Olympic Games. Journal of Environmental Quality, 2011, 40, 37-45. | 2.0 | 39 |
| 72 | Soil Nitrous Oxide Emissions by Atmospheric Nitrogen Deposition over Global Agricultural Systems. Environmental Science & Technology, 2021, 55, 4420-4429. | 10.0 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Precipitation chemistry and atmospheric nitrogen deposition at a rural site in Beijing, China. Atmospheric Environment, 2020, 223, 117253. | 4.1 | 38 |
| 74 | Overlooked Nonagricultural and Wintertime Agricultural NH<sub>3</sub> Emissions in Quzhou County, North China Plain: Evidence from <sup>15</sup>N-Stable Isotopes. Environmental Science and Technology Letters, 2022, 9, 127-133. | 8.7 | 38 |
| 75 | A Multiyear Assessment of Air Quality Benefits from Chinaâ€™s Emerging Shale Gas Revolution: Urumqi as a Case Study. Environmental Science & Technology, 2015, 49, 2066-2072. | 10.0 | 36 |
| 76 | Revisiting the Concentration Observations and Source Apportionment of Atmospheric Ammonia. Advances in Atmospheric Sciences, 2020, 37, 933-938. | 4.3 | 36 |
| 77 | Cadmium pollution from phosphate fertilizers in arable soils and crops: an overview. Frontiers of Agricultural Science and Engineering, 2019, 6, 419. | 1.4 | 36 |
| 78 | Field management practices drive ecosystem multifunctionality in a smallholder-dominated agricultural system. Agriculture, Ecosystems and Environment, 2021, 313, 107389. | 5.3 | 34 |
| 79 | Improved soil-crop system management aids in NH3 emission mitigation in China. Environmental Pollution, 2021, 289, 117844. | 7.5 | 34 |
| 80 | A five-year study of the impact of nitrogen addition on methane uptake in alpine grassland. Scientific Reports, 2016, 6, 32064. | 3.3 | 33 |
| 81 | Nitrogen stabilizers mitigate reactive N and greenhouse gas emissions from an arable soil in North China Plain: Field and laboratory investigation. Journal of Cleaner Production, 2020, 258, 121025. | 9.3 | 33 |
| 82 | Increasing importance of ammonia emission abatement in PM2.5 pollution control. Science Bulletin, 2022, 67, 1745-1749. | 9.0 | 33 |
| 83 | Terrain complexity and uncertainties in gridâ€based digital terrain analysis. International Journal of Geographical Information Science, 2006, 20, 1137-1147. | 4.8 | 32 |
| 84 | Chemical compositions of fog and precipitation at Sejila Mountain in the southeast Tibetan Plateau, China. Environmental Pollution, 2019, 253, 560-568. | 7.5 | 31 |
| 85 | Impact of 13-years of nitrogen addition on nitrous oxide and methane fluxes and ecosystem respiration in a temperate grassland. Environmental Pollution, 2019, 252, 675-681. | 7.5 | 31 |
| 86 | Atmospheric Ammonia in Beijing during the COVID-19 Outbreak: Concentrations, Sources, and Implications. Environmental Science and Technology Letters, 2021, 8, 32-38. | 8.7 | 31 |
| 87 | Chemical Characteristics of PM2.5 during 2015 Spring Festival in Beijing, China. Aerosol and Air Quality Research, 2017, 17, 1169-1180. | 2.1 | 31 |
| 88 | Ground Ammonia Concentrations over China Derived from Satellite and Atmospheric Transport Modeling. Remote Sensing, 2017, 9, 467. | 4.0 | 30 |
| 89 | Liu et al. suspect that Zhu et al. (2015) may have underestimated dissolved organic nitrogen (N) but overestimated total particulate N in wet deposition in China. Science of the Total Environment, 2015, 520, 300-301. | 8.0 | 29 |
| 90 | Long-term effects of N deposition on N2O emission in an alpine grassland of Central Asia. Catena, 2019, 182, 104100. | 5.0 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Chronic nitrogen addition differentially affects gross nitrogen transformations in alpine and temperate grassland soils. Soil Biology and Biochemistry, 2020, 149, 107962. | 8.8 | 29 |
| 92 | Microbes changed their carbon use strategy to regulate the priming effect in an 11-year nitrogen addition experiment in grassland. Science of the Total Environment, 2020, 727, 138645. | 8.0 | 29 |
| 93 | Impacts of water and nitrogen addition on nitrogen recovery in Haloxylon ammodendron dominated desert ecosystems. Science of the Total Environment, 2017, 601-602, 1280-1288. | 8.0 | 28 |
| 94 | Atmospheric NH3 dynamics at a typical pig farm in China and their implications. Atmospheric Pollution Research, 2014, 5, 455-463. | 3.8 | 27 |
| 95 | Reduced nitrogen dominated nitrogen deposition in the United States, but its contribution to nitrogen deposition in China decreased. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3590-1. | 7.1 | 27 |
| 96 | Decline in bulk deposition of air pollutants in China lags behind reductions in emissions. Nature Geoscience, 2022, 15, 190-195. | 12.9 | 27 |
| 97 | Atmospheric Nitrogen Deposition at Two Sites in an Arid Environment of Central Asia. PLoS ONE, 2013, 8, e67018. | 2.5 | 26 |
| 98 | Fluxes of methane, carbon dioxide and nitrous oxide in an alpine wetland and an alpine grassland of the Tianshan Mountains, China. Journal of Arid Land, 2014, 6, 717-724. | 2.3 | 26 |
| 99 | Impact of elevated precipitation, nitrogen deposition and warming on soil respiration in a temperate desert. Biogeosciences, 2018, 15, 2007-2019. | 3.3 | 25 |
| 100 | Dry Particulate Nitrate Deposition in China. Environmental Science & Technology, 2017, 51, 5572-5581. | 10.0 | 24 |
| 101 | Analysis of Burglary Hot Spots and Near-Repeat Victimization in a Large Chinese City. ISPRS International Journal of Geo-Information, 2017, 6, 148. | 2.9 | 24 |
| 102 | Spatiotemporal variations of nitrogen and phosphorus deposition across China. Science of the Total Environment, 2022, 830, 154740. | 8.0 | 24 |
| 103 | Cumulative and partially recoverable impacts of nitrogen addition on a temperate steppe. Ecological Applications, 2018, 28, 237-248. | 3.8 | 23 |
| 104 | MCR-Modified CAâ€“Markov Model for the Simulation of Urban Expansion. Sustainability, 2018, 10, 3116. | 3.2 | 23 |
| 105 | Model Inter-Comparison Study for Asia (MICS-Asia) phase III: multimodel comparison of reactive nitrogen deposition over China. Atmospheric Chemistry and Physics, 2020, 20, 10587-10610. | 4.9 | 23 |
| 106 | Quantifying drivers of soil acidification in three Chinese cropping systems. Soil and Tillage Research, 2022, 215, 105230. | 5.6 | 23 |
| 107 | Nitrogen Recommendation for Winter Wheat Using NminTest and Rapid Plant Tests in North China Plain. Communications in Soil Science and Plant Analysis, 2003, 34, 2539-2551. | 1.4 | 22 |
| 108 | Responses and drivers of leaf nutrients and resorption to nitrogen enrichment across northern Chinaâ€™s grasslands: A meta-analysis. Catena, 2021, 199, 105110. | 5.0 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Effect of Long-Term Fertilization on Organic Nitrogen Forms in a Calcareous Alluvial Soil on the North China Plain. Pedosphere, 2006, 16, 224-229. | 4.0 | 21 |
| 110 | Increasing the agricultural, environmental and economic benefits of farming based on suitable crop rotations and optimum fertilizer applications. Field Crops Research, 2019, 240, 78-85. | 5.1 | 21 |
| 111 | Evaluating the effects of agricultural inputs on the soil quality of smallholdings using improved indices. Catena, 2022, 209, 105838. | 5.0 | 21 |
| 112 | Greenhouse gas intensity and net annual global warming potential of cotton cropping systems in an extremely arid region. Nutrient Cycling in Agroecosystems, 2014, 98, 15-26. | 2.2 | 20 |
| 113 | High nitrogen deposition in an agricultural ecosystem of Shaanxi, China. Environmental Science and Pollution Research, 2016, 23, 13210-13221. | 5.3 | 20 |
| 114 | Characteristics of Atmospheric Reactive Nitrogen Deposition in Nyingchi City. Scientific Reports, 2019, 9, 4645. | 3.3 | 20 |
| 115 | Atmospheric deposition of inorganic nitrogen in a semi-arid grassland of Inner Mongolia, China. Journal of Arid Land, 2017, 9, 810-822. | 2.3 | 19 |
| 116 | Imbalanced nitrogen and phosphorus deposition in the urban and forest environments in southeast Tibet. Atmospheric Pollution Research, 2018, 9, 774-782. | 3.8 | 19 |
| 117 | Fluxes of N2O, CH4 and soil respiration as affected by water and nitrogen addition in a temperate desert. Geoderma, 2019, 337, 770-772. | 5.1 | 19 |
| 118 | Stemming PM<sub>2.5</sub> Pollution in China: Re-evaluating the Role of Ammonia, Aviation and Non-exhaust Road Traffic Emissions. Environmental Science & Technology, 2012, 46, 13035-13036. | 10.0 | 18 |
| 119 | Integration of GIS and Moving Objects in Surveillance Video. ISPRS International Journal of Geo-Information, 2017, 6, 94. | 2.9 | 18 |
| 120 | The driving effect of nitrogen-related functional microorganisms under water and nitrogen addition on N2O emission in a temperate desert. Science of the Total Environment, 2021, 772, 145470. | 8.0 | 18 |
| 121 | Comprehensive quantification of global cropland ammonia emissions and potential abatement. Science of the Total Environment, 2022, 812, 151450. | 8.0 | 18 |
| 122 | Trends in secondary inorganic aerosol pollution in China and its responses to emission controls of precursors in wintertime. Atmospheric Chemistry and Physics, 2022, 22, 6291-6308. | 4.9 | 17 |
| 123 | Reviewing global estimates of surface reactive nitrogen concentration and deposition using satellite retrievals. Atmospheric Chemistry and Physics, 2020, 20, 8641-8658. | 4.9 | 16 |
| 124 | Winter air quality improvement in Beijing by clean air actions from 2014 to 2018. Atmospheric Research, 2021, 259, 105674. | 4.1 | 16 |
| 125 | Interannual variation of reactive nitrogen emissions and their impacts on PM<sub>2.5</sub> air pollution in China during 2005â€“2015. Environmental Research Letters, 2021, 16, 125004. | 5.2 | 16 |
| 126 | Integration of Multi-Camera Video Moving Objects and GIS. ISPRS International Journal of Geo-Information, 2019, 8, 561. | 2.9 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Effect of combining urea fertilizer with P and K fertilizers on the efficacy of urease inhibitors under different storage conditions. Journal of Soils and Sediments, 2020, 20, 2130-2140. | 3.0 | 15 |
| 128 | Decoupling of nitrogen and phosphorus in dominant grass species in response to long-term nitrogen addition in an Alpine Grassland in Central Asia. Plant Ecology, 2021, 222, 261-274. | 1.6 | 15 |
| 129 | Nitrogen losses from food production in the North China Plain: A case study for Quzhou. Science of the Total Environment, 2022, 816, 151557. | 8.0 | 15 |
| 130 | Contribution of atmospheric nitrogen deposition to diffuse pollution in a typical hilly red soil catchment in southern China. Journal of Environmental Sciences, 2014, 26, 1797-1805. | 6.1 | 14 |
| 131 | Parallel viewshed analysis on a PC cluster system using triple-based irregular partition scheme. Earth Science Informatics, 2016, 9, 511-523. | 3.2 | 14 |
| 132 | Ambient concentrations and deposition rates of selected reactive nitrogen species and their contribution to PM2.5 aerosols at three locations with contrasting land use in southwest China. Environmental Pollution, 2018, 233, 1164-1176. | 7.5 | 14 |
| 133 | Atmospheric nitrogen deposition around the Dongting Lake, China. Atmospheric Environment, 2019, 207, 197-204. | 4.1 | 14 |
| 134 | Analysis and experimentation of key technologies in service-oriented optical internet. Science China Information Sciences, 2011, 54, 215-226. | 4.3 | 13 |
| 135 | Nitrous oxide and methane emissions from paddy soils in southwest China. Geoderma Regional, 2017, 8, 1-11. | 2.1 | 13 |
| 136 | Evolution of secondary inorganic aerosols amidst improving PM2.5 air quality in the North China plain. Environmental Pollution, 2021, 281, 117027. | 7.5 | 13 |
| 137 | A green eco-environment for sustainable development: framework and action. Frontiers of Agricultural Science and Engineering, 2020, 7, 67. | 1.4 | 13 |
| 138 | SVM+KF Target Tracking Strategy Using the Signal Strength in Wireless Sensor Networks. Sensors, 2020, 20, 3832. | 3.8 | 12 |
| 139 | Atmospheric dry and bulk nitrogen deposition to forest environment in the North China Plain. Atmospheric Pollution Research, 2019, 10, 1636-1642. | 3.8 | 11 |
| 140 | Long-Term Increasing Productivity of High-Elevation Grassland Caused by Elevated Precipitation and Temperature. Rangeland Ecology and Management, 2020, 73, 156-161. | 2.3 | 11 |
| 141 | Global estimates of dry ammonia deposition inferred from space-measurements. Science of the Total Environment, 2020, 730, 139189. | 8.0 | 11 |
| 142 | Nutrient from Environment and Its Effect in Nutrient Resources Management of Ecosystems â€”A Case Study on Atmospheric Nitrogen Deposition. Arid Zone Research, 2010, 26, 306-311. | 0.1 | 11 |
| 143 | NO and N 2 O fluxes from agricultural soils in Beijing area*. Progress in Natural Science: Materials International, 2004, 14, 489-494. | 4.4 | 10 |
| 144 | Real-Time Monitoring for Crowd Counting Using Video Surveillance and GIS. , 2012, , . | | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Concentrations and isotopic characteristics of atmospheric reactive nitrogen around typical sources in Beijing, China. Journal of Arid Land, 2016, 8, 910-920. | 2.3 | 10 |
| 146 | Responses of soil organic carbon turnover to nitrogen deposition are associated with nitrogen input rates: Derived from soil 14C evidences. Environmental Pollution, 2018, 238, 500-507. | 7.5 | 10 |
| 147 | Are annual nitrous oxide fluxes sensitive to warming and increasing precipitation in the Gurbantunggut Desert?. Land Degradation and Development, 2021, 32, 1213-1223. | 3.9 | 10 |
| 148 | Nitrogen emission and deposition budget in an agricultural catchment in subtropical central China. Environmental Pollution, 2021, 289, 117870. | 7.5 | 10 |
| 149 | PM2.5 and water-soluble inorganic ion concentrations decreased faster in urban than rural areas in China. Journal of Environmental Sciences, 2022, 122, 83-91. | 6.1 | 10 |
| 150 | Unexpected response of nitrogen deposition to nitrogen oxide controls and implications for land carbon sink. Nature Communications, 2022, 13, . | 12.8 | 10 |
| 151 | Camera Coverage Estimation Based on Multistage Grid Subdivision. ISPRS International Journal of Geo-Information, 2017, 6, 110. | 2.9 | 9 |
| 152 | Enhanced atmospheric nitrogen deposition at a rural site in northwest China from 2011 to 2018. Atmospheric Research, 2020, 245, 105071. | 4.1 | 9 |
| 153 | Ammonia should be considered in field experiments mimicking nitrogen deposition. Atmospheric and Oceanic Science Letters, 2020, 13, 248-251. | 1.3 | 9 |
| 154 | Atmospheric reactive nitrogen concentration and deposition trends from 2011 to 2018Âat an urban site in north China. Atmospheric Environment, 2020, 224, 117298. | 4.1 | 9 |
| 155 | Soil burial has a greater effect on litter decomposition rate than nitrogen enrichment in alpine grasslands. Journal of Plant Ecology, 2021, 14, 1047-1059. | 2.3 | 9 |
| 156 | High Rates of Wet Nitrogen Deposition in China: A Synthesis. , 2014, , 49-56. | | 9 |
| 157 | Estimation of surface ammonia concentrations and emissions in China from the polar-orbiting Infrared Atmospheric Sounding Interferometer and the FY-4A Geostationary Interferometric Infrared Sounder. Atmospheric Chemistry and Physics, 2022, 22, 9099-9110. | 4.9 | 9 |
| 158 | Surveillance Video Synopsis in GIS. ISPRS International Journal of Geo-Information, 2017, 6, 333. | 2.9 | 8 |
| 159 | Comparison of nitrogen deposition across different land use types in agro-pastoral catchments of western China and Mongolia. Atmospheric Environment, 2019, 199, 313-322. | 4.1 | 8 |
| 160 | Analysis of atmospheric ammonia over South and East Asia based on the MOZART-4 model and its comparison with satellite and surface observations. Atmospheric Chemistry and Physics, 2021, 21, 6389-6409. | 4.9 | 8 |
| 161 | Characterization of atmospheric bulk phosphorus deposition in China. Atmospheric Environment, 2022, 279, 119127. | 4.1 | 8 |
| 162 | Monitoring the Work Cycles of Earthmoving Excavators in Earthmoving Projects Using UAV Remote Sensing. Remote Sensing, 2021, 13, 3853. | 4.0 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Mitigation of ammonia volatilization on farm using an N stabilizer â€“ A demonstration in Quzhou, North China Plain. Agriculture, Ecosystems and Environment, 2022, 336, 108011. | 5.3 | 7 |
| 164 | Total nitrogen deposition at key growing stages of maize and wheat as affected by pot surface area and crop variety. Plant and Soil, 2011, 339, 137-145. | 3.7 | 6 |
| 165 | Crop yields and soil organic carbon dynamics in a long-term fertilization experiment in an extremely arid region of northern Xinjiang, China. Journal of Arid Land, 2017, 9, 345-354. | 2.3 | 6 |
| 166 | Effects of reactive nitrogen gases on the aerosol formation in Beijing from late autumn to early spring. Environmental Research Letters, 2021, 16, 025005. | 5.2 | 6 |
| 167 | A PM2.5 concentration estimation method based on multi-feature combination of image patches. Environmental Research, 2022, 211, 113051. | 7.5 | 6 |
| 168 | Ammonia mitigation potential in an optimized crop-layer production system. Science of the Total Environment, 2022, 841, 156701. | 8.0 | 6 |
| 169 | Long-term nitrogen addition consistently decreased litter decomposition rates in an alpine grassland. Plant and Soil, 2022, 479, 495-509. | 3.7 | 6 |
| 170 | Highly Arid Oasis Yield, Soil Mineral N Accumulation and N Balance in a Wheat-Cotton Rotation with Drip Irrigation and Mulching Film Management. PLoS ONE, 2016, 11, e0165404. | 2.5 | 5 |
| 171 | Video surveillance GIS: A novel application. , 2013, , . | | 4 |
| 172 | The Growth and N Retention of Two Annual Desert Plants Varied Under Different Nitrogen Deposition Rates. Frontiers in Plant Science, 2019, 10, 356. | 3.6 | 4 |
| 173 | Inorganic nitrogen deposition in arid land ecosystems of Central Asia. Environmental Science and Pollution Research, 2021, 28, 31861-31871. | 5.3 | 4 |
| 174 | Contrasting effects of nitrogen addition on litter decomposition in forests and grasslands in China. Journal of Arid Land, 2021, 13, 717-729. | 2.3 | 4 |
| 175 | Multiâ€camera video synopsis of a geographic scene based on optimal virtual viewpoint. Transactions in GIS, 0, , . | 2.3 | 4 |
| 176 | Letter to the editor: Critical assessments of the current state of scientific knowledge, terminology, and research needs concerning the ecological effects of elevated atmospheric nitrogen deposition in China. Atmospheric Environment, 2017, 153, 109-116. | 4.1 | 3 |
| 177 | Evaluating medical convenience in ethnic minority areas of Southwest China via road network vulnerability: a case study for Dehong autonomous prefecture. International Journal for Equity in Health, 2017, 16, 206. | 3.5 | 3 |
| 178 | Yield and the 15 N Fate in Rice/Maize Season in the Yangtze River Basin. Agronomy Journal, 2019, 111, 517-527. | 1.8 | 3 |
| 179 | Enhanced nitrous oxide emissions caused by atmospheric nitrogen deposition in agroecosystems over China. Environmental Science and Pollution Research, 2021, 28, 15350-15360. | 5.3 | 3 |
| 180 | Construction of Stretching-Bending Sequential Pattern to Recognize Work Cycles for Earthmoving Excavator from Long Video Sequences. Sensors, 2021, 21, 3427. | 3.8 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | An Overview of Atmospheric Reactive Nitrogen in China from a Global Perspective. , 2020, , 1-10. | | 3 |
| 182 | Cd and Zn Concentrations in Soil and Silage Maize following the Addition of P Fertilizer. Agronomy, 2021, 11, 2336. | 3.0 | 3 |
| 183 | Influence of Unflooded Mulching Cultivation on Nitrogen Uptake and Utilization of Fertilizer Nitrogen by Rice. Communications in Soil Science and Plant Analysis, 2008, 39, 1056-1066. | 1.4 | 2 |
| 184 | Atmospheric Nitrogen Deposition to a Southeast Tibetan Forest Ecosystem. Atmosphere, 2020, 11, 1331. | 2.3 | 2 |
| 185 | Global Wetâ€Reduced Nitrogen Deposition Derived From Combining Satellite Measurements With Output From a Chemistry Transport Model. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033977. | 3.3 | 2 |
| 186 | Monitoring Atmospheric Nitrogen Deposition in China. , 2020, , 41-65. | | 2 |
| 187 | A significant diurnal pattern of ammonia dry deposition to a cropland is detected by an open-path quantum cascade laser-based eddy covariance instrument. Atmospheric Environment, 2022, 278, 119070. | 4.1 | 2 |
| 188 | Adaptive digital elevation models construction method based on nonparametric regression. Transactions in GIS, 2022, 26, 2263-2282. | 2.3 | 2 |
| 189 | Developing Nitrogen Isotopic Source Profiles of Atmospheric Ammonia for Source Apportionment of Ammonia in Urban Beijing. Frontiers in Environmental Science, 0, 10, . | 3.3 | 2 |
| 190 | Plane geometric information extraction from single image based on cross ratio. , 2010, , . | | 1 |
| 191 | Dry and Wet Deposition of Inorganic Nitrogen at Urban and Rural Sites in a Semi-arid Environment. , 2012, , . | | 1 |
| 192 | A multi-objective scheduling optimization algorithm of a camera network for directional road network coverage. PLoS ONE, 2018, 13, e0206038. | 2.5 | 1 |
| 193 | Impacts of long-term nitrogen addition on nitrous oxide in a temperate grassland. E3S Web of Conferences, 2021, 293, 01001. | 0.5 | 1 |
| 194 | Integrating life cycle assessment and a farmer survey of management practices to study environmental impacts of peach production in Beijing, China. Environmental Science and Pollution Research, 2022, , 1. | 5.3 | 1 |
| 195 | Representing dynamic lanes in road network models. International Journal of Geographical Information Science, 0, , 1-17. | 4.8 | 1 |
| 196 | The Research of 3D GIS Section for the True Three-Dimensional Geo-Spatial Model. , 2010, , . | | 0 |
| 197 | Research on Data Parallel and Scheduling Mechanism Based on Petri Nets. , 2012, , . | | 0 |
| 198 | New high-fidelity terrain modeling method constrained by terrain semanteme. PLoS ONE, 2018, 13, e0198530. | 2.5 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Soil organic carbon turnover recovers faster than plant diversity in the grassland when high nitrogen addition is ceased: Derived from soil 14C evidences. Global Ecology and Conservation, 2020, 24, e01229. | 2.1 | 0 |
| 200 | Impacts of Nitrogen Deposition on Chinaâ€™s Grassland Ecosystems. , 2020, , 215-243. | | 0 |
| 201 | Changes in precipitation and atmospheric N deposition affect the correlation between N, P and K but not the coupling of water-element in Haloxylon ammodendron. PLoS ONE, 2021, 16, e0258927. | 2.5 | 0 |