Xuejun Liu

List of Publications by Year
in descending order

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201	14,030	34076 52	22808 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.	3.3	2,071
2	Enhanced nitrogen deposition over China. Nature, 2013, 494, 459-462.	13.7	2,009
3	Nitrogen deposition and its ecological impact in China: An overview. Environmental Pollution, 2011, 159, 2251-2264.	3.7	652
4	Stabilization of atmospheric nitrogen deposition in China over the past decade. Nature Geoscience, 2019, 12, 424-429.	5.4	490
5	Nitrogen fertilization directly affects soil bacterial diversity and indirectly affects bacterial community composition. Soil Biology and Biochemistry, 2016, 92, 41-49.	4.2	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.	2.3	302
7	High-resolution ammonia emissions inventories in China from 1980 to 2012. Atmospheric Chemistry and Physics, 2016, 16, 2043-2058.	1.9	281
8	Integrated Nutrient Management for Food Security and Environmental Quality in China. Advances in Agronomy, 2012, , 1-40.	2.4	253
9	Salinity Is a Key Determinant for Soil Microbial Communities in a Desert Ecosystem. MSystems, 2019, 4, .	1.7	238
10	Nitrogen Fertilization, Soil Nitrate Accumulation, and Policy Recommendations in Several Agricultural Regions of China. Ambio, 2004, 33, 300-305.	2.8	237
11	Agricultural ammonia emissions in China: reconciling bottom-up and top-down estimates. Atmospheric Chemistry and Physics, 2018, 18, 339-355.	1.9	220
12	Enhancedâ€efficiency fertilizers are not a panacea for resolving the nitrogen problem. Global Change Biology, 2018, 24, e511-e521.	4.2	200
13	Changes of nitrogen deposition in China from 1980 to 2018. Environment International, 2020, 144, 106022.	4.8	169
14	Puzzling Haze Events in China During the Coronavirus (COVIDâ€19) Shutdown. Geophysical Research Letters, 2020, 47, e2020GL088533.	1.5	165
15	Evidence for organic N deposition and its anthropogenic sources in China. Atmospheric Environment, 2008, 42, 1035-1041.	1.9	160
16	Ammonia Emissions May Be Substantially Underestimated in China. Environmental Science & Technology, 2017, 51, 12089-12096.	4.6	160
17	Atmospheric nitrogen deposition to China: A model analysis on nitrogen budget and critical load exceedance. Atmospheric Environment, 2017, 153, 32-40.	1.9	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.	1.8	151

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19	Nitrogen deposition in agroecosystems in the Beijing area. Agriculture, Ecosystems and Environment, 2006, 113, 370-377.	2.5	144
20	Rapid SO₂ emission reductions significantly increase tropospheric ammonia concentrations over the North China Plain. Atmospheric Chemistry and Physics, 2018, 18, 17933-17943.	1.9	121
21	Quantifying the total airborne nitrogen input into agroecosystems in the North China Plain. Agriculture, Ecosystems and Environment, 2007, 121, 395-400.	2.5	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.	1.9	116
23	Model-Based Analysis of the Long-Term Effects of Fertilization Management on Cropland Soil Acidification. Environmental Science & Technology, 2017, 51, 3843-3851.	4.6	115
24	Response of ammonia volatilization to biochar addition: A meta-analysis. Science of the Total Environment, 2019, 655, 1387-1396.	3.9	112
25	Evidence for a Historic Change Occurring in China. Environmental Science & Technology, 2016, 50, 505-506.	4.6	105
26	Imbalanced phosphorus and nitrogen deposition in China's forests. Atmospheric Chemistry and Physics, 2016, 16, 8571-8579.	1.9	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.	1.9	92
28	Air quality improvement in a megacity: implications from 2015ÂBeijing Parade Blue pollution control actions. Atmospheric Chemistry and Physics, 2017, 17, 31-46.	1.9	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.	2.3	89
30	A chronology of global air quality. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190314.	1.6	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.	3.9	86
32	Modeling soil acidification in typical Chinese cropping systems. Science of the Total Environment, 2018, 613-614, 1339-1348.	3.9	86
33	Atmospheric ammonia and particulate ammonium from agricultural sources in the North China Plain. Atmospheric Environment, 2011, 45, 5033-5041.	1.9	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.	3.9	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.	2.7	81
36	Evidence for the Importance of Atmospheric Nitrogen Deposition to Eutrophic Lake Dianchi, China. Environmental Science & Technology, 2017, 51, 6699-6708.	4.6	80

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37	Atmospheric nitrogen deposition in the Yangtze River basin: Spatial pattern and source attribution. Environmental Pollution, 2018, 232, 546-555.	3.7	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.	3.8	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.	4.2	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.	3.3	69
41	The contribution of atmospheric deposition and forest harvesting to forest soil acidification in China since 1980. Atmospheric Environment, 2016, 146, 215-222.	1.9	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.	1.1	65
43	Spatialâ€“temporal patterns of inorganic nitrogen air concentrations and deposition in eastern China. Atmospheric Chemistry and Physics, 2018, 18, 10931-10954.	1.9	65
44	Bulk deposition of organic and inorganic nitrogen in southwest China from 2008 to 2013. Environmental Pollution, 2017, 227, 157-166.	3.7	63
45	Cropland acidification increases risk of yield losses and food insecurity in China. Environmental Pollution, 2020, 256, 113145.	3.7	62
46	Atmospheric Nitrogen Emission, Deposition, and Air Quality Impacts in China: an Overview. Current Pollution Reports, 2017, 3, 65-77.	3.1	61
47	Longâ€term changes in soil pH across major forest ecosystems in China. Geophysical Research Letters, 2015, 42, 933-940.	1.5	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.	4.2	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.	1.8	58
50	Wet and dry nitrogen deposition in the central Sichuan Basin of China. Atmospheric Environment, 2016, 143, 39-50.	1.9	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.	1.9	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.	2.5	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.	1.8	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.	1.1	54

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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.	0.9	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.	1.9	54
58	Important contributions of non-fossil fuel nitrogen oxides emissions. Nature Communications, 2021, 12, 243.	5.8	54
59	Leaching of veterinary antibiotics in calcareous Chinese croplands. Chemosphere, 2013, 91, 928-934.	4.2	53
60	Spatial and temporal variation of atmospheric nitrogen deposition in the North China Plain. Acta Ecologica Sinica, 2006, 26, 1633-1638.	0.9	50
61	Nitrogen deposition and its contribution to nutrient inputs to intensively managed agricultural ecosystems. Ecological Applications, 2010, 20, 80-90.	1.8	50
62	A database of atmospheric nitrogen concentration and deposition from the nationwide monitoring network in China. Scientific Data, 2019, 6, 51.	2.4	50
63	Challenges for Global Sustainable Nitrogen Management in Agricultural Systems. Journal of Agricultural and Food Chemistry, 2020, 68, 3354-3361.	2.4	46
64	A new urease-inhibiting formulation decreases ammonia volatilization and improves maize nitrogen utilization in North China Plain. Scientific Reports, 2017, 7, 43853.	1.6	45
65	Response of alpine grassland to elevated nitrogen deposition and water supply in China. Oecologia, 2015, 177, 65-72.	0.9	43
66	Ammonia volatilization as the major nitrogen loss pathway in dryland agro-ecosystems. Environmental Pollution, 2020, 265, 114862.	3.7	43
67	The vertical variability of ammonia in urban Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 16385-16398.	1.9	42
68	Persistent Nonagricultural and Periodic Agricultural Emissions Dominate Sources of Ammonia in Urban Beijing: Evidence from ¹⁵N Stable Isotope in Vertical Profiles. Environmental Science & Technology, 2020, 54, 102-109.	4.6	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.	0.9	41
70	Systematic low bias of passive samplers in characterizing nitrogen isotopic composition of atmospheric ammonia. Atmospheric Research, 2020, 243, 105018.	1.8	40
71	Impacts of Pollution Controls on Air Quality in Beijing during the 2008 Olympic Games. Journal of Environmental Quality, 2011, 40, 37-45.	1.0	39
72	Soil Nitrous Oxide Emissions by Atmospheric Nitrogen Deposition over Global Agricultural Systems. Environmental Science & Technology, 2021, 55, 4420-4429.	4.6	39

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73	Precipitation chemistry and atmospheric nitrogen deposition at a rural site in Beijing, China. Atmospheric Environment, 2020, 223, 117253.	1.9	38
74	Overlooked Nonagricultural and Wintertime Agricultural NH₃ Emissions in Quzhou County, North China Plain: Evidence from ¹⁵N-Stable Isotopes. Environmental Science and Technology Letters, 2022, 9, 127-133.	3.9	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.	4.6	36
76	Revisiting the Concentration Observations and Source Apportionment of Atmospheric Ammonia. Advances in Atmospheric Sciences, 2020, 37, 933-938.	1.9	36
77	Cadmium pollution from phosphate fertilizers in arable soils and crops: an overview. Frontiers of Agricultural Science and Engineering, 2019, 6, 419.	0.9	36
78	Field management practices drive ecosystem multifunctionality in a smallholder-dominated agricultural system. Agriculture, Ecosystems and Environment, 2021, 313, 107389.	2.5	34
79	Improved soil-crop system management aids in NH3 emission mitigation in China. Environmental Pollution, 2021, 289, 117844.	3.7	34
80	A five-year study of the impact of nitrogen addition on methane uptake in alpine grassland. Scientific Reports, 2016, 6, 32064.	1.6	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.	4.6	33
82	Increasing importance of ammonia emission abatement in PM2.5 pollution control. Science Bulletin, 2022, 67, 1745-1749.	4.3	33
83	Terrain complexity and uncertainties in gridâ€based digital terrain analysis. International Journal of Geographical Information Science, 2006, 20, 1137-1147.	2.2	32
84	Chemical compositions of fog and precipitation at Sejila Mountain in the southeast Tibetan Plateau, China. Environmental Pollution, 2019, 253, 560-568.	3.7	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.	3.7	31
86	Atmospheric Ammonia in Beijing during the COVID-19 Outbreak: Concentrations, Sources, and Implications. Environmental Science and Technology Letters, 2021, 8, 32-38.	3.9	31
87	Chemical Characteristics of PM2.5 during 2015 Spring Festival in Beijing, China. Aerosol and Air Quality Research, 2017, 17, 1169-1180.	0.9	31
88	Ground Ammonia Concentrations over China Derived from Satellite and Atmospheric Transport Modeling. Remote Sensing, 2017, 9, 467.	1.8	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.	3.9	29
90	Long-term effects of N deposition on N2O emission in an alpine grassland of Central Asia. Catena, 2019, 182, 104100.	2.2	29

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91	Chronic nitrogen addition differentially affects gross nitrogen transformations in alpine and temperate grassland soils. Soil Biology and Biochemistry, 2020, 149, 107962.	4.2	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.	3.9	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.	3.9	28
94	Atmospheric NH3 dynamics at a typical pig farm in China and their implications. Atmospheric Pollution Research, 2014, 5, 455-463.	1.8	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.	3.3	27
96	Decline in bulk deposition of air pollutants in China lags behind reductions in emissions. Nature Geoscience, 2022, 15, 190-195.	5.4	27
97	Atmospheric Nitrogen Deposition at Two Sites in an Arid Environment of Central Asia. PLoS ONE, 2013, 8, e67018.	1.1	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.	0.9	26
99	Impact of elevated precipitation, nitrogen deposition and warming on soil respiration in a temperate desert. Biogeosciences, 2018, 15, 2007-2019.	1.3	25
100	Dry Particulate Nitrate Deposition in China. Environmental Science & Technology, 2017, 51, 5572-5581.	4.6	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.	1.4	24
102	Spatiotemporal variations of nitrogen and phosphorus deposition across China. Science of the Total Environment, 2022, 830, 154740.	3.9	24
103	Cumulative and partially recoverable impacts of nitrogen addition on a temperate steppe. Ecological Applications, 2018, 28, 237-248.	1.8	23
104	MCR-Modified CAâ€“Markov Model for the Simulation of Urban Expansion. Sustainability, 2018, 10, 3116.	1.6	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.	1.9	23
106	Quantifying drivers of soil acidification in three Chinese cropping systems. Soil and Tillage Research, 2022, 215, 105230.	2.6	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.	0.6	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.	2.2	22

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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.	2.1	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.	2.3	21
111	Evaluating the effects of agricultural inputs on the soil quality of smallholdings using improved indices. Catena, 2022, 209, 105838.	2.2	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.	1.1	20
113	High nitrogen deposition in an agricultural ecosystem of Shaanxi, China. Environmental Science and Pollution Research, 2016, 23, 13210-13221.	2.7	20
114	Characteristics of Atmospheric Reactive Nitrogen Deposition in Nyingchi City. Scientific Reports, 2019, 9, 4645.	1.6	20
115	Atmospheric deposition of inorganic nitrogen in a semi-arid grassland of Inner Mongolia, China. Journal of Arid Land, 2017, 9, 810-822.	0.9	19
116	Imbalanced nitrogen and phosphorus deposition in the urban and forest environments in southeast Tibet. Atmospheric Pollution Research, 2018, 9, 774-782.	1.8	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.	2.3	19
118	Stemming PM_{2.5} Pollution in China: Re-evaluating the Role of Ammonia, Aviation and Non-exhaust Road Traffic Emissions. Environmental Science & Technology, 2012, 46, 13035-13036.	4.6	18
119	Integration of GIS and Moving Objects in Surveillance Video. ISPRS International Journal of Geo-Information, 2017, 6, 94.	1.4	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.	3.9	18
121	Comprehensive quantification of global cropland ammonia emissions and potential abatement. Science of the Total Environment, 2022, 812, 151450.	3.9	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.	1.9	17
123	Reviewing global estimates of surface reactive nitrogen concentration and deposition using satellite retrievals. Atmospheric Chemistry and Physics, 2020, 20, 8641-8658.	1.9	16
124	Winter air quality improvement in Beijing by clean air actions from 2014 to 2018. Atmospheric Research, 2021, 259, 105674.	1.8	16
125	Interannual variation of reactive nitrogen emissions and their impacts on PM_{2.5} air pollution in China during 2005â€“2015. Environmental Research Letters, 2021, 16, 125004.	2.2	16
126	Integration of Multi-Camera Video Moving Objects and GIS. ISPRS International Journal of Geo-Information, 2019, 8, 561.	1.4	15

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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.	1.5	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.	0.7	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.	3.9	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.	3.2	14
131	Parallel viewshed analysis on a PC cluster system using triple-based irregular partition scheme. Earth Science Informatics, 2016, 9, 511-523.	1.6	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.	3.7	14
133	Atmospheric nitrogen deposition around the Dongting Lake, China. Atmospheric Environment, 2019, 207, 197-204.	1.9	14
134	Analysis and experimentation of key technologies in service-oriented optical internet. Science China Information Sciences, 2011, 54, 215-226.	2.7	13
135	Nitrous oxide and methane emissions from paddy soils in southwest China. Geoderma Regional, 2017, 8, 1-11.	0.9	13
136	Evolution of secondary inorganic aerosols amidst improving PM2.5 air quality in the North China plain. Environmental Pollution, 2021, 281, 117027.	3.7	13
137	A green eco-environment for sustainable development: framework and action. Frontiers of Agricultural Science and Engineering, 2020, 7, 67.	0.9	13
138	SVM+KF Target Tracking Strategy Using the Signal Strength in Wireless Sensor Networks. Sensors, 2020, 20, 3832.	2.1	12
139	Atmospheric dry and bulk nitrogen deposition to forest environment in the North China Plain. Atmospheric Pollution Research, 2019, 10, 1636-1642.	1.8	11
140	Long-Term Increasing Productivity of High-Elevation Grassland Caused by Elevated Precipitation and Temperature. Rangeland Ecology and Management, 2020, 73, 156-161.	1.1	11
141	Global estimates of dry ammonia deposition inferred from space-measurements. Science of the Total Environment, 2020, 730, 139189.	3.9	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.	1.8	10
144	Real-Time Monitoring for Crowd Counting Using Video Surveillance and GIS. , 2012, , .		10

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145	Concentrations and isotopic characteristics of atmospheric reactive nitrogen around typical sources in Beijing, China. Journal of Arid Land, 2016, 8, 910-920.	0.9	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.	3.7	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.	1.8	10
148	Nitrogen emission and deposition budget in an agricultural catchment in subtropical central China. Environmental Pollution, 2021, 289, 117870.	3.7	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.	3.2	10
150	Unexpected response of nitrogen deposition to nitrogen oxide controls and implications for land carbon sink. Nature Communications, 2022, 13, .	5.8	10
151	Camera Coverage Estimation Based on Multistage Grid Subdivision. ISPRS International Journal of Geo-Information, 2017, 6, 110.	1.4	9
152	Enhanced atmospheric nitrogen deposition at a rural site in northwest China from 2011 to 2018. Atmospheric Research, 2020, 245, 105071.	1.8	9
153	Ammonia should be considered in field experiments mimicking nitrogen deposition. Atmospheric and Oceanic Science Letters, 2020, 13, 248-251.	0.5	9
154	Atmospheric reactive nitrogen concentration and deposition trends from 2011 to 2018Âat an urban site in north China. Atmospheric Environment, 2020, 224, 117298.	1.9	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.	1.2	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.	1.9	9
158	Surveillance Video Synopsis in GIS. ISPRS International Journal of Geo-Information, 2017, 6, 333.	1.4	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.	1.9	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.	1.9	8
161	Characterization of atmospheric bulk phosphorus deposition in China. Atmospheric Environment, 2022, 279, 119127.	1.9	8
162	Monitoring the Work Cycles of Earthmoving Excavators in Earthmoving Projects Using UAV Remote Sensing. Remote Sensing, 2021, 13, 3853.	1.8	7

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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.	2.5	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.	1.8	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.	0.9	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.	2.2	6
167	A PM2.5 concentration estimation method based on multi-feature combination of image patches. Environmental Research, 2022, 211, 113051.	3.7	6
168	Ammonia mitigation potential in an optimized crop-layer production system. Science of the Total Environment, 2022, 841, 156701.	3.9	6
169	Long-term nitrogen addition consistently decreased litter decomposition rates in an alpine grassland. Plant and Soil, 2022, 479, 495-509.	1.8	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.	1.1	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.	1.7	4
173	Inorganic nitrogen deposition in arid land ecosystems of Central Asia. Environmental Science and Pollution Research, 2021, 28, 31861-31871.	2.7	4
174	Contrasting effects of nitrogen addition on litter decomposition in forests and grasslands in China. Journal of Arid Land, 2021, 13, 717-729.	0.9	4
175	Multiâ€camera video synopsis of a geographic scene based on optimal virtual viewpoint. Transactions in GIS, 0, , .	1.0	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.	1.9	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.	1.5	3
178	Yield and the 15 N Fate in Rice/Maize Season in the Yangtze River Basin. Agronomy Journal, 2019, 111, 517-527.	0.9	3
179	Enhanced nitrous oxide emissions caused by atmospheric nitrogen deposition in agroecosystems over China. Environmental Science and Pollution Research, 2021, 28, 15350-15360.	2.7	3
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