

Managing nitrogen to restore water quality in China

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nutrients, eutrophication and harmful algal blooms along the freshwater to marine continuum. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019, 6, e1373.	2.8	465
2	The environmental and socioeconomic trade-offs of importing crops to meet domestic food demand in China. <i>Environmental Research Letters</i> , 2019, 14, 094021.	2.2	18
3	Activity-derived model for water and salt transport in reverse osmosis membranes: A combination of film theory and electrolyte theory. <i>Desalination</i> , 2019, 469, 114094.	4.0	14
4	Proteomic Analysis of Kunitz-Type Trypsin Inhibitor Deleted Soybean. <i>Russian Journal of Plant Physiology</i> , 2019, 66, 469-476.	0.5	0
5	Reactive Transport and Removal of Nutrients and Pesticides in Engineered Porous Media. <i>Water (Switzerland)</i> , 2019, 11, 1316.	1.2	4
6	Physiological effects of nitrate, ammonium, and urea on the growth and microcystins contamination of <i>Microcystis aeruginosa</i> : Implication for nitrogen mitigation. <i>Water Research</i> , 2019, 163, 114890.	5.3	35
7	Limited nitrogen retention in an urban river receiving raw sewage and wastewater treatment plant effluent. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1477-1488.	1.7	3
8	High frequency data provide new insights into evaluating and modeling nitrogen retention in reservoirs. <i>Water Research</i> , 2019, 166, 115017.	5.3	17
9	Evaluating the effectiveness of the pollutant discharge permit program in China: A case study of the Nenjiang River Basin. <i>Journal of Environmental Management</i> , 2019, 251, 109501.	3.8	14
10	Ensuring water security, food security, and clean water in the North China Plain – conflicting strategies. <i>Current Opinion in Environmental Sustainability</i> , 2019, 40, 63-71.	3.1	31
11	Compartmentalization within Nanofibers of Double-Decker Phthalocyanine Induces High-Performance Sensing in both Aqueous Solution and the Gas Phase. <i>Chemistry - A European Journal</i> , 2019, 25, 16207-16213.	1.7	7
12	Establishment of season-specific nutrient thresholds and analyses of the effects of nutrient management in eutrophic lakes through statistical machine learning. <i>Journal of Hydrology</i> , 2019, 578, 124079.	2.3	30
13	An Opportunity for Regenerative Rice Production: Combining Plastic Film Cover and Plant Biomass Mulch with No-Till Soil Management to Build Soil Carbon, Curb Nitrogen Pollution, and Maintain High-Stable Yield. <i>Agronomy</i> , 2019, 9, 600.	1.3	9
14	The missing nitrogen pieces: A critical review on the distribution, transformation, and budget of nitrogen in the vadose zone-groundwater system. <i>Water Research</i> , 2019, 165, 114977.	5.3	127
15	Modified solid carbon sources with nitrate adsorption capability combined with nZVI improve the denitrification performance of constructed wetlands. <i>Bioresource Technology</i> , 2019, 294, 122189.	4.8	40
16	Space-Time Characterization and Risk Assessment of Nutrient Pollutant Concentrations in China's Near Seas. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4449-4463.	1.0	10
17	Response of nitrogen pollution in surface water to land use and social-economic factors in the Weihe River watershed, northwest China. <i>Sustainable Cities and Society</i> , 2019, 50, 101658.	5.1	61
18	Highly active and durable carbon electrocatalyst for nitrate reduction reaction. <i>Water Research</i> , 2019, 161, 126-135.	5.3	140

#	ARTICLE	IF	CITATIONS
19	Determination sources of nitrates into the Three Gorges Reservoir using nitrogen and oxygen isotopes. <i>Science of the Total Environment</i> , 2019, 687, 128-136.	3.9	57
20	Concurrent transport and removal of nitrate, phosphate and pesticides in low-cost metal- and carbon-based materials. <i>Chemosphere</i> , 2019, 230, 84-91.	4.2	21
21	40-Year (1978â€“2017) human settlement changes in China reflected by impervious surfaces from satellite remote sensing. <i>Science Bulletin</i> , 2019, 64, 756-763.	4.3	319
22	Evaluation of the total maximum allocated load of dissolved inorganic nitrogen using a watershedâ€“coastal ocean coupled model. <i>Science of the Total Environment</i> , 2019, 673, 734-749.	3.9	18
23	Epilimnion, Metalimnion, and Hypolimnion of a Mesotrophic Aquatic Ecosystem: Functional Role of the Vertical Structure of the Reservoir Ecosystem in Terms of Hydrochemical and Biological Parameters. <i>Russian Journal of General Chemistry</i> , 2019, 89, 2860-2864.	0.3	3
24	Characteristics of Internal Ammonium Loading from Long-Term Polluted Sediments by Rural Domestic Wastewater. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4657.	1.2	3
25	Municipal wastewater treatment in China: Development history and future perspectives. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	238
26	Sensitivity Analysis of Fully Distributed Parameterization Reveals Insights Into Heterogeneous Catchment Responses for Water Quality Modeling. <i>Water Resources Research</i> , 2019, 55, 10935-10953.	1.7	13
27	Human activities aggravate nitrogen-deposition pollution to inland water over China. <i>National Science Review</i> , 2020, 7, 430-440.	4.6	80
28	Atmospheric Reactive Nitrogen in China. , 2020, , .		2
29	Micro-aeration with hollow fiber membrane enhanced the nitrogen removal in constructed wetlands. <i>Environmental Science and Pollution Research</i> , 2020, 27, 25877-25885.	2.7	3
30	Optimization of management strategies for reducing nitrogen loading in China. <i>Science of the Total Environment</i> , 2020, 703, 134620.	3.9	1
31	Enhanced simultaneous nitrification and denitrification performance in a fixed-bed system packed with PHBV/PLA blends. <i>International Biodeterioration and Biodegradation</i> , 2020, 146, 104810.	1.9	18
32	Excessive nutrient balance surpluses in newly built solar greenhouses over five years leads to high nutrient accumulations in soil. <i>Agriculture, Ecosystems and Environment</i> , 2020, 288, 106717.	2.5	56
33	Reduce health damage cost of greenhouse gas and ammonia emissions by assembling plant diversity in floating constructed wetlands treating wastewater. <i>Journal of Cleaner Production</i> , 2020, 244, 118927.	4.6	28
34	Pollution reduction and operating cost analysis of municipal wastewater treatment in China and implication for future wastewater management. <i>Journal of Cleaner Production</i> , 2020, 253, 120003.	4.6	58
35	A New in Situ Method for Tracing Denitrification in Riparian Groundwater. <i>Environmental Science & Technology</i> , 2020, 54, 1562-1572.	4.6	17
36	Abnormal Ratio of Nitrate to Ammonium Nitrogen Fertilizers in China. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 701-702.	2.4	4

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37	Highly efficient nitrate reduction driven by an electrocoagulation system: An electrochemical and molecular mechanism. <i>Bioelectrochemistry</i> , 2020, 133, 107454.	2.4	5
38	Cost-effective management of coastal eutrophication: A case study for the Yangtze river basin. <i>Resources, Conservation and Recycling</i> , 2020, 154, 104635.	5.3	38
39	Can dietary manipulations improve the productivity of pigs with lower environmental and economic cost? A global meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2020, 289, 106748.	2.5	24
40	Study of Ecological Engineering of Human Settlements. , 2020, , .		5
41	Environmental impacts of nitrogen emissions in China and the role of policies in emission reduction. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190324.	1.6	39
42	GDNDC: An integrated system to model water-nitrogen-crop processes for agricultural management at regional scales. <i>Environmental Modelling and Software</i> , 2020, 134, 104807.	1.9	5
43	Air quality, nitrogen use efficiency and food security in China are improved by cost-effective agricultural nitrogen management. <i>Nature Food</i> , 2020, 1, 648-658.	6.2	131
44	Particulate N and P exports from sugarcane growing watershed are more influenced by surface runoff than fertilization. <i>Agriculture, Ecosystems and Environment</i> , 2020, 302, 107087.	2.5	18
45	Large losses of ammonium-nitrogen from a rice ecosystem under elevated CO ₂ . <i>Science Advances</i> , 2020, 6, .	4.7	26
46	Detection of pollutants in water bodies: electrochemical detection or photo-electrochemical detection?. <i>Chemical Communications</i> , 2020, 56, 14541-14552.	2.2	56
47	Raindrop-induced ejection at soil-water interface contributes substantially to nutrient runoff losses from rice paddies. <i>Agriculture, Ecosystems and Environment</i> , 2020, 304, 107135.	2.5	16
48	Discussing on "source-sink" landscape theory and phytoremediation for non-point source pollution control in China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44797-44806.	2.7	23
49	Effects of agricultural activities coupled with karst structures on riverine biogeochemical cycles and environmental quality in the karst region. <i>Agriculture, Ecosystems and Environment</i> , 2020, 303, 107120.	2.5	51
50	Impact assessment of climate change and human activities on streamflow signatures in the Yellow River Basin using the Budyko hypothesis and derived differential equation. <i>Journal of Hydrology</i> , 2020, 591, 125460.	2.3	48
51	Impacts of human disturbance on the biogeochemical nitrogen cycle in a subtropical river system revealed by nitrifier and denitrifier genes. <i>Science of the Total Environment</i> , 2020, 746, 141139.	3.9	35
52	Impacts of pollution abatement projects on happiness: An exploratory study in China. <i>Journal of Cleaner Production</i> , 2020, 274, 122869.	4.6	13
53	Response Characteristics of Nitrifying Bacteria and Archaea Community Involved in Nitrogen Removal and Bioelectricity Generation in Integrated Tidal Flow Constructed Wetland-Microbial Fuel Cell. <i>Frontiers in Microbiology</i> , 2020, 11, 1385.	1.5	16
54	Roles of vegetation in nutrient removal and structuring microbial communities in different types of agricultural drainage ditches for treating farmland runoff. <i>Ecological Engineering</i> , 2020, 155, 105941.	1.6	18

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55	Dietary shifts and nitrogen losses to water in urban China: the case of Shanghai. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40088-40102.	2.7	2
56	A high-resolution map of reactive nitrogen inputs to China. <i>Scientific Data</i> , 2020, 7, 379.	2.4	12
57	Microalgal Cultivation in Secondary Effluents: Enhancement of Algal Biomass, Nutrient Removal, and Lipid Productivity. <i>Journal of Ocean University of China</i> , 2020, 19, 1461-1470.	0.6	5
58	Countries influence the trade-off between crop yields and nitrogen pollution. <i>Nature Food</i> , 2020, 1, 713-719.	6.2	34
59	Spatio-Temporal Patterns of Crops and Agrochemicals in Canada Over 35 Years. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	20
60	Use of In Situ Soil Solution Electric Conductivity to Evaluate Mineral N in Commercial Orchards: Preliminary Results. <i>Horticulturae</i> , 2020, 6, 39.	1.2	7
61	Meeting the environmental challenges. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 2303-2315.	1.7	21
62	Safeguarding Food Supply and Groundwater Safety for Maize Production in China. <i>Environmental Science & Technology</i> , 2020, 54, 9939-9948.	4.6	24
63	Identification of current research intensity and influence factors of agricultural nitrogen loss from cropping systems. <i>Journal of Cleaner Production</i> , 2020, 276, 123308.	4.6	19
64	A simulation-based method to develop strategies for nitrogen pollution control in a creek watershed with sparse data. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38849-38860.	2.7	5
65	Variation of dissolved nutrient exports by surface runoff from sugarcane watershed is controlled by fertilizer application and ground cover. <i>Agriculture, Ecosystems and Environment</i> , 2020, 303, 107121.	2.5	24
66	Determination of nitrogen and phosphorus fertilisation rates for tobacco based on economic response and nutrient concentrations in local stream water. <i>Agriculture, Ecosystems and Environment</i> , 2020, 304, 107136.	2.5	14
67	Modeling the Contribution of Crops to Nitrogen Pollution in the Yangtze River. <i>Environmental Science & Technology</i> , 2020, 54, 11929-11939.	4.6	26
68	Spatial Planning Needed to Drastically Reduce Nitrogen and Phosphorus Surpluses in China's Agriculture. <i>Environmental Science & Technology</i> , 2020, 54, 11894-11904.	4.6	50
69	Spatially Explicit Inventory of Sources of Nitrogen Inputs to the Yellow Sea, East China Sea, and South China Sea for the Period 1970-2010. <i>Earth's Future</i> , 2020, 8, e2020EF001516.	2.4	32
70	Metagenomic Analysis Revealed that the Terrestrial Pollutants Override the Effects of Seasonal Variation on Microbiome in River Sediments. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 105, 892-898.	1.3	7
71	Single-Atom Cu Catalysts for Enhanced Electrocatalytic Nitrate Reduction with Significant Alleviation of Nitrite Production. <i>Small</i> , 2020, 16, e2004526.	5.2	188
72	Agricultural nitrogen flow in a reservoir watershed and its implications for water pollution mitigation. <i>Journal of Cleaner Production</i> , 2020, 267, 122034.	4.6	30

#	ARTICLE	IF	CITATIONS
73	Nitrate migration and transformations in groundwater quantified by dual nitrate isotopes and hydrochemistry in a karst World Heritage site. <i>Science of the Total Environment</i> , 2020, 735, 138907.	3.9	29
74	Improvement in municipal wastewater treatment alters lake nitrogen to phosphorus ratios in populated regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11566-11572.	3.3	141
75	Combined physiological, transcriptome, and genetic analysis reveals a molecular network of nitrogen remobilization in maize. <i>Journal of Experimental Botany</i> , 2020, 71, 5061-5073.	2.4	11
76	Prediction of future carbon footprint and ecosystem service value of carbon sequestration response to nitrogen fertilizer rates in rice production. <i>Science of the Total Environment</i> , 2020, 735, 139506.	3.9	14
77	Iron-Catalyzed Selective Denitrification over N-Doped Mesoporous Carbon. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28091-28099.	4.0	29
78	Ammonia volatilization as the major nitrogen loss pathway in dryland agro-ecosystems. <i>Environmental Pollution</i> , 2020, 265, 114862.	3.7	43
79	Can We Use Functional Genetics to Predict the Fate of Nitrogen in Estuaries?. <i>Frontiers in Microbiology</i> , 2020, 11, 1261.	1.5	19
80	Improving potential of nitrogen linked gray water footprint in China's intensive cropping systems. <i>Journal of Cleaner Production</i> , 2020, 269, 122307.	4.6	6
81	Hydrochar reduced NH ₃ volatilization from rice paddy soil: Microbial-aging rather than water-washing is recommended before application. <i>Journal of Cleaner Production</i> , 2020, 268, 122233.	4.6	34
82	Efficiency evaluation of urban wastewater treatment: Evidence from 113 cities in the Yangtze River Economic Belt of China. <i>Journal of Environmental Management</i> , 2020, 270, 110940.	3.8	35
83	Denitrification strategies of strain YSF15 in response to carbon scarcity: Based on organic nitrogen, soluble microbial products and extracellular polymeric substances. <i>Bioresource Technology</i> , 2020, 314, 123733.	4.8	41
84	Screening and comprehensive evaluation of rice (<i>Oryza sativa</i> L. subsp. <i>japonica</i> Kato) germplasm resources for nitrogen efficiency in Xinjiang, China. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2020, 18, 179-189.	0.4	8
85	Spatial Variation of Reactive Nitrogen Emissions From China's Croplands Codetermined by Regional Urbanization and Its Feedback to Global Climate Change. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086551.	1.5	18
86	Variation of soil nitrate and bacterial diversity along soil profiles in manure disposal maize field and adjacent woodland. <i>Journal of Soils and Sediments</i> , 2020, 20, 3557-3568.	1.5	11
87	An Innovative Double-Layer Microsphere Used as Slow-Release Carbon Source for Biological Denitrification. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	9
88	Runoff loss of nitrogen and phosphorus from a rice paddy field in the east of China: Effects of long-term chemical N fertilizer and organic manure applications. <i>Global Ecology and Conservation</i> , 2020, 22, e01011.	1.0	51
89	Glutamate dehydrogenase plays an important role in ammonium detoxification by submerged macrophytes. <i>Science of the Total Environment</i> , 2020, 722, 137859.	3.9	31
90	Using waste as resource to realize a circular economy: Circular use of C, N and P. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 23, 61-66.	3.2	15

#	ARTICLE	IF	CITATIONS
91	Determining optimal water and nitrogen management under different initial soil mineral nitrogen levels in northwest China based on a model approach. <i>Agricultural Water Management</i> , 2020, 234, 106110.	2.4	16
92	Challenges for Global Sustainable Nitrogen Management in Agricultural Systems. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3354-3361.	2.4	46
93	Exploring a Sustainable Cropping System in the North China Plain Using a Modelling Approach. <i>Sustainability</i> , 2020, 12, 4588.	1.6	1
94	Region-specific nitrogen management indexes for sustainable cereal production in China. <i>Environmental Research Communications</i> , 2020, 2, 075002.	0.9	13
95	Nitrogen rather than streamflow regulates the growth of riparian trees. <i>Chemical Geology</i> , 2020, 547, 119666.	1.4	1
96	Dendritic Cell-Inspired Designed Architectures toward Highly Efficient Electrocatalysts for Nitrate Reduction Reaction. <i>Small</i> , 2020, 16, e2001775.	5.2	74
97	Application of biofertilizer containing <i>Bacillus subtilis</i> reduced the nitrogen loss in agricultural soil. <i>Soil Biology and Biochemistry</i> , 2020, 148, 107911.	4.2	80
98	Nitrogen and phosphorus runoff losses were influenced by chemical fertilization but not by pesticide application in a double rice-cropping system in the subtropical hilly region of China. <i>Science of the Total Environment</i> , 2020, 715, 136852.	3.9	48
99	BASGRA_N: A model for grassland productivity, quality and greenhouse gas balance. <i>Ecological Modelling</i> , 2020, 417, 108925.	1.2	12
100	Extending a first-principles primary production model to predict wheat yields. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107932.	1.9	17
101	Using stable isotopes to identify nitrogen transformations and estimate denitrification in a semi-constructed wetland. <i>Science of the Total Environment</i> , 2020, 720, 137628.	3.9	16
102	Isolation and niche characteristics in simultaneous nitrification and denitrification application of an aerobic denitrifier, <i>Acinetobacter</i> sp. YS2. <i>Bioresource Technology</i> , 2020, 302, 122799.	4.8	49
103	Recovery of ammonium nitrogen from human urine by an open-loop hollow fiber membrane contactor. <i>Separation and Purification Technology</i> , 2020, 239, 116579.	3.9	32
104	Comment on "Multi-Scale Modeling of Nutrient Pollution in the Rivers of China". <i>Environmental Science & Technology</i> , 2020, 54, 2043-2045.	4.6	1
105	The establishment of high-performance anti-fouling nanofiltration membranes via cooperation of annular supramolecular Cucurbit[6]uril and dendritic polyamidoamine. <i>Journal of Membrane Science</i> , 2020, 600, 117863.	4.1	47
106	Phenanthroline-Based Polyarylate Porous Membranes with Rapid Water Transport for Metal Cation Separation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7605-7616.	4.0	14
107	Pollution exacerbates China's water scarcity and its regional inequality. <i>Nature Communications</i> , 2020, 11, 650.	5.8	260
108	Gene regulatory network and its constituent transcription factors that control nitrogen deficiency responses in rice. <i>New Phytologist</i> , 2020, 227, 1434-1452.	3.5	45

#	ARTICLE	IF	CITATIONS
109	A self-sustaining synergetic microalgal-bacterial granular sludge process towards energy-efficient and environmentally sustainable municipal wastewater treatment. <i>Water Research</i> , 2020, 179, 115884.	5.3	160
110	Removal of nitrogen and phosphorus pollutants from water by FeCl ₃ - impregnated biochar. <i>Ecological Engineering</i> , 2020, 149, 105792.	1.6	71
111	Global Change Can Make Coastal Eutrophication Control in China More Difficult. <i>Earth's Future</i> , 2020, 8, e2019EF001280.	2.4	35
112	Regolith property controls on nitrate accumulation in a typical vadose zone in subtropical China. <i>Catena</i> , 2020, 192, 104589.	2.2	21
113	Using phosphate fertilizer to reduce emitter clogging of drip fertigation systems with high salinity water. <i>Journal of Environmental Management</i> , 2020, 263, 110366.	3.8	34
114	Organic-C quality as a key driver of microbial nitrogen immobilization in soil: A meta-analysis. <i>Geoderma</i> , 2021, 383, 114784.	2.3	45
115	The effects of heterogeneous environmental regulations on water pollution control: Quasi-natural experimental evidence from China. <i>Science of the Total Environment</i> , 2021, 751, 141550.	3.9	62
116	Anthropogenic nitrogen and phosphorus inputs in a new perspective: Environmental loads from the mega economic zone and city clusters. <i>Journal of Cleaner Production</i> , 2021, 283, 124589.	4.6	15
117	Nitrate-nitrogen transport in streamwater and groundwater in a loess covered region: Sources, drivers, and spatiotemporal variation. <i>Science of the Total Environment</i> , 2021, 761, 143278.	3.9	22
118	Evaluation of nitrogen bank, a soil nitrogen management strategy for sustainably closing wheat yield gaps. <i>Field Crops Research</i> , 2021, 261, 108017.	2.3	24
119	Benefits of environmental information disclosure in managing water pollution: evidence from a quasi-natural experiment in China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14764-14781.	2.7	17
120	Replacing synthetic fertilizer by manure requires adjusted technology and incentives: A farm survey across China. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105301.	5.3	39
121	Microbial mechanism of biochar addition on nitrogen leaching and retention in tea soils from different plantation ages. <i>Science of the Total Environment</i> , 2021, 757, 143817.	3.9	30
122	Sediment-based biochar facilitates highly efficient nitrate removal: Physicochemical properties, biological responses and potential mechanism. <i>Chemical Engineering Journal</i> , 2021, 405, 126645.	6.6	36
123	Spatiotemporal variations and determinants of water pollutant discharge in the Yangtze River Economic Belt, China: A spatial econometric analysis. <i>Environmental Pollution</i> , 2021, 271, 116320.	3.7	37
124	Dams shift microbial community assembly and imprint nitrogen transformation along the Yangtze River. <i>Water Research</i> , 2021, 189, 116579.	5.3	63
125	Impact assessment of climate change and human activities on GHG emissions and agricultural water use. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108218.	1.9	32
126	Measuring Success of SDG 14: An Australian Perspective. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2021, , 1-14.	0.0	0

#	ARTICLE	IF	CITATIONS
127	Dual-site electrocatalytic nitrate reduction to ammonia on oxygen vacancy-enriched and Pd-decorated MnO ₂ nanosheets. <i>Nanoscale</i> , 2021, 13, 17504-17511.	2.8	27
128	GREEN AGRICULTURE AND BLUE WATER IN CHINA: REINTEGRATING CROP AND LIVESTOCK PRODUCTION FOR CLEAN WATER. <i>Frontiers of Agricultural Science and Engineering</i> , 2021, 8, 72.	0.9	10
129	Wastewater COD characterization: RBCOD and SBCOD characterization analysis methods. <i>Scientific Reports</i> , 2021, 11, 691.	1.6	9
130	Atomic defects in pothole-rich two-dimensional copper nanoplates triggering enhanced electrocatalytic selective nitrate-to-ammonia transformation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16411-16417.	5.2	82
131	China requires region-specific manure treatment and recycling technologies. <i>Circular Agricultural Systems</i> , 2021, 1, 1-7.	0.5	2
132	Facile synthesis of MgAl layered double hydroxides by a co-precipitation method for efficient nitrate removal from water: kinetics and mechanisms. <i>New Journal of Chemistry</i> , 2021, 45, 14580-14588.	1.4	19
133	Shifting baselines and political expediency in New Zealand. <i>Marine and Freshwater Research</i> , 2021, 72, 456.	0.7	7
134	The regulatory module MdBT2-MdMYB88/MdMYB124-MdNRTs regulates nitrogen usage in apple. <i>Plant Physiology</i> , 2021, 185, 1924-1942.	2.3	23
135	Feasibility of improving nitrogen removal by integrating the rice straw and zeolite with drainage ditches for farmland runoff control. <i>Environmental Technology and Innovation</i> , 2021, 21, 101359.	3.0	8
136	Agricultural Sustainability: Microbial Biofertilizers in Rhizosphere Management. <i>Agriculture (Switzerland)</i> , 2021, 11, 163.	1.4	110
137	Occurrence, Distribution, and Potential Role of Bacteria and Human Pathogens in Livestock Manure and Digestate: Insights from Guangxi, China. <i>Environmental Engineering Science</i> , 2021, 38, 990-1000.	0.8	7
138	Nutrient accumulation from excessive nutrient surplus caused by shifting from rice monoculture to rice-crayfish rotation. <i>Environmental Pollution</i> , 2021, 271, 116367.	3.7	19
139	Magnesium Supplementation Alters Leaf Metabolic Pathways for Higher Flavor Quality of Oolong Tea. <i>Agriculture (Switzerland)</i> , 2021, 11, 120.	1.4	6
140	The Effect of Nitrogen Reduction at Different Stages on Grain Yield and Nitrogen Use Efficiency for Nitrogen Efficient Rice Varieties. <i>Agronomy</i> , 2021, 11, 462.	1.3	11
141	Substantial decrease in CO ₂ emissions from Chinese inland waters due to global change. <i>Nature Communications</i> , 2021, 12, 1730.	5.8	71
142	Fertilizers and nitrate pollution of surface and ground water: an increasingly pervasive global problem. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	154
143	Two-dimensional bimetallic coordination polymers as bifunctional evolved electrocatalysts for enhanced oxygen evolution reaction and urea oxidation reaction. <i>Journal of Energy Chemistry</i> , 2021, 63, 230-238.	7.1	29
144	Enhanced denitrification performance of strain YSF15 by different molecular weight of humic acid: Mechanism based on the biological products and activity. <i>Bioresource Technology</i> , 2021, 325, 124709.	4.8	36

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145	Role of Sponge City Development in China's battle against urban water pollution: Insights from a transjurisdictional water quality management study. <i>Journal of Cleaner Production</i> , 2021, 294, 126335.	4.6	12
146	Current operation state of wastewater treatment plants in urban China. <i>Environmental Research</i> , 2021, 195, 110843.	3.7	64
147	Correlation between Nitrogen Pollution and WWTPs Discharge in Lake Taihu. , 2021, , .		0
148	Impacts of African swine fever on water quality in China. <i>Environmental Research Letters</i> , 2021, 16, 054032.	2.2	5
149	Temporal-spatial dynamics of anthropogenic nitrogen inputs and hotspots in a large river basin. <i>Chemosphere</i> , 2021, 269, 129411.	4.2	16
150	Effects of nitrogen and maize plant density on forage yield and nitrogen uptake in an alfalfa-silage maize relay intercropping system in the North China Plain. <i>Field Crops Research</i> , 2021, 263, 108068.	2.3	23
151	Vegetation restoration and agricultural management to mitigate nitrogen pollution in the surface waters of the Dan River, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47136-47148.	2.7	8
152	The Nitrogen Budget of Coastal Eastern Guangdong in the Last 15 Years. <i>Hydrology</i> , 2021, 8, 81.	1.3	2
153	Maize Straw Return and Nitrogen Rate Effects on Potato (<i>Solanum tuberosum</i> L.) Performance and Soil Physicochemical Characteristics in Northwest China. <i>Sustainability</i> , 2021, 13, 5508.	1.6	9
154	Low N ₂ O emissions from wheat in a wheat-rice double cropping system due to manure substitution are associated with changes in the abundance of functional microbes. <i>Agriculture, Ecosystems and Environment</i> , 2021, 311, 107318.	2.5	20
155	Roles of land-scale expansion and household labor allocation in nitrogen fertilizer use in Chinese croplands. <i>Environmental Science and Pollution Research</i> , 2021, 28, 51879-51887.	2.7	7
156	Ammonia capture from human urine to harvest liquid N-P compound fertilizer by a submerged hollow fiber membrane contactor: Performance and fertilizer analysis. <i>Science of the Total Environment</i> , 2021, 768, 144478.	3.9	15
157	Oxidation of pyrite and reducing nitrogen fertilizer enhanced the carbon cycle by driving terrestrial chemical weathering. <i>Science of the Total Environment</i> , 2021, 768, 144343.	3.9	26
158	Impact of the Federal Conservation Program Participation on Conservation Practice Adoption Intensity in Louisiana, USA. <i>Environmental Management</i> , 2021, 68, 1-16.	1.2	5
159	Non-stationary response of rain-fed spring wheat yield to future climate change in northern latitudes. <i>Science of the Total Environment</i> , 2021, 772, 145474.	3.9	8
160	Exploiting genotype × management interactions to increase rainfed crop production: a case study from south-eastern Australia. <i>Journal of Experimental Botany</i> , 2021, 72, 5189-5207.	2.4	17
161	Deciphering Historical Water-Quality Changes Recorded in Sediments Using eDNA. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	2
162	Anthropogenic drivers of soil microbial communities and impacts on soil biological functions in agroecosystems. <i>Global Ecology and Conservation</i> , 2021, 27, e01521.	1.0	38

#	ARTICLE	IF	CITATIONS
163	What makes ditches and ponds more efficient in nitrogen control?. Agriculture, Ecosystems and Environment, 2021, 314, 107409.	2.5	25
164	Enhanced activity and selectivity of electrocatalytic denitrification by highly dispersed CuPd bimetals on reduced graphene oxide. Chemical Engineering Journal, 2021, 416, 129074.	6.6	24
165	Insight into simultaneous selective removal of nitrogen and phosphorus species by lanthanum-modified porous polymer: Performance, mechanism and application. Chemical Engineering Journal, 2021, 415, 129026.	6.6	38
166	Coastal eutrophication in China: Trend, sources, and ecological effects. Harmful Algae, 2021, 107, 102058.	2.2	72
167	Bioenergy Crops for Low Warming Targets Require Half of the Present Agricultural Fertilizer Use. Environmental Science & Technology, 2021, 55, 10654-10661.	4.6	14
168	Conservation management improves agroecosystem function and resilience of soil nitrogen cycling in response to seasonal changes in climate. Science of the Total Environment, 2021, 779, 146457.	3.9	15
169	Cropping system design can improve nitrogen use efficiency in intensively managed agriculture. Environmental Pollution, 2021, 280, 116967.	3.7	19
170	One-step ultrafast deflagration synthesis of N-doped WO _{2.9} nanorods for solar water evaporation. Applied Surface Science, 2021, 555, 149697.	3.1	20
171	Cucumber production and the economic revenues under various nitrogen applications in an unheated solar greenhouse on the North China Plain. Agronomy Journal, 2021, 113, 3444-3459.	0.9	3
172	Nitrogen removal enhanced by benthic bioturbation coupled with biofilm formation: A new strategy to alleviate freshwater eutrophication. Journal of Environmental Management, 2021, 292, 112814.	3.8	10
173	Effects of Dense Planting with Less Nitrogen Fertilization on Rice Yield and Nitrogen Use Efficiency in Northeast China. International Journal of Plant Production, 2021, 15, 625-634.	1.0	2
174	Fate of ¹⁵ N-labelled urea when applied to long-term fertilized soils of varying fertility. Nutrient Cycling in Agroecosystems, 2021, 121, 151-165.	1.1	9
175	Nanoscale zero-valent iron (nZVI) encapsulated within tubular nitride carbon for highly selective and stable electrocatalytic denitrification. Chemical Engineering Journal, 2021, 417, 129160.	6.6	34
176	Effects of different fertilizer applications on nitrogen leaching losses and the response in soil microbial community structure. Environmental Technology and Innovation, 2021, 23, 101608.	3.0	25
177	Stable partial nitrification at low temperature via selective inactivation of enzymes by intermittent thermal treatment of thickened sludge. Chemical Engineering Journal, 2021, 418, 129471.	6.6	11
178	Nitrogen cascade in the agriculture-food-environment system of the Yangtze Delta, 1998â€“2018. Science of the Total Environment, 2021, 787, 147442.	3.9	14
179	Assessment of grey water footprint in paddy rice cultivation: Effects of field water management policies. Journal of Cleaner Production, 2021, 313, 127876.	4.6	18
180	Reconciling food production and environmental boundaries for nitrogen in the European Union. Science of the Total Environment, 2021, 786, 147427.	3.9	21

#	ARTICLE	IF	CITATIONS
181	Regime shifts in trophic status and regional nutrient criteria for the Bohai Bay, China. <i>Marine Pollution Bulletin</i> , 2021, 170, 112674.	2.3	13
182	Reconciling regional nitrogen boundaries with global food security. <i>Nature Food</i> , 2021, 2, 700-711.	6.2	51
183	Mapping multiple water pollutants across China using the grey water footprint. <i>Science of the Total Environment</i> , 2021, 785, 147255.	3.9	34
184	Effects of Soil pH on Gaseous Nitrogen Loss Pathway via Feammox Process. <i>Sustainability</i> , 2021, 13, 10393.	1.6	7
185	Simulation of nitrogen dynamics in lowland polders using a new coupled modelling approach: Insights into management. <i>Journal of Cleaner Production</i> , 2021, 313, 127753.	4.6	4
186	The land footprint of the global food trade: Perspectives from a case study of soybeans. <i>Land Use Policy</i> , 2021, 111, 105764.	2.5	17
187	Overlooked contribution of water column to nitrogen removal in estuarine turbidity maximum zone (TMZ). <i>Science of the Total Environment</i> , 2021, 788, 147736.	3.9	13
188	Enhanced nitrogen removal in an electrochemically coupled biochar-amended constructed wetland microcosms: The interactive effects of biochar and electrochemistry. <i>Science of the Total Environment</i> , 2021, 789, 147761.	3.9	28
189	Does the "10-Point Water Plan" reduce the intensity of industrial water pollution? Quasi-experimental evidence from China. <i>Journal of Environmental Management</i> , 2021, 295, 113048.	3.8	81
190	Runoff-related nutrient loss affected by fertilization and cultivation in sloping croplands: An 11-year observation under natural rainfall. <i>Agriculture, Ecosystems and Environment</i> , 2021, 319, 107549.	2.5	22
191	Comprehensive insights into core microbial assemblages in activated sludge exposed to textile-dyeing wastewater stress. <i>Science of the Total Environment</i> , 2021, 791, 148145.	3.9	29
192	Uncertainty of nitrogen budget in China. <i>Environmental Pollution</i> , 2021, 286, 117216.	3.7	11
193	Carbon and nitrogen isotope constraints on source and variation of particulate organic matter in high-latitude agricultural rivers, Northeast China. <i>Journal of Cleaner Production</i> , 2021, 321, 128974.	4.6	5
194	Hyperporous magnetic catalyst foam for highly efficient and stable adsorption and reduction of aqueous organic contaminants. <i>Journal of Hazardous Materials</i> , 2021, 420, 126622.	6.5	7
195	Decline in nitrogen concentrations of eutrophic Lake Dianchi associated with policy interventions during 2002–2018. <i>Environmental Pollution</i> , 2021, 288, 117826.	3.7	11
196	Characterizing ammonia emissions from water bodies using dynamic floating chambers. <i>Science of the Total Environment</i> , 2021, 796, 148978.	3.9	4
197	Nitrogen budgets of contrasting crop-livestock systems in China. <i>Environmental Pollution</i> , 2021, 288, 117633.	3.7	12
198	Crab bioturbation alters nitrogen cycling and promotes nitrous oxide emission in intertidal wetlands: Influence and microbial mechanism. <i>Science of the Total Environment</i> , 2021, 797, 149176.	3.9	24

#	ARTICLE	IF	CITATIONS
199	Integrating ecosystem services modeling into effectiveness assessment of national protected areas in a typical arid region in China. <i>Journal of Environmental Management</i> , 2021, 297, 113408.	3.8	24
200	Perspectives and challenges of applying the water-food-energy nexus approach to lake eutrophication modelling. <i>Water Security</i> , 2021, 14, 100095.	1.2	2
201	Cu-O-incorporation design for promoted heterogeneous catalysis: synergistic effect of surface adsorption and catalysis towards efficient bisphenol A removal. <i>Applied Surface Science</i> , 2021, 569, 151107.	3.1	8
202	Nitrogen use efficiency exhibits a trade-off relationship with soil N ₂ O and NO emissions from wheat-rice rotations receiving manure substitution. <i>Geoderma</i> , 2021, 403, 115374.	2.3	10
203	Two novelty learning models developed based on deep cascade forest to address the environmental imbalanced issues: A case study of drinking water quality prediction. <i>Environmental Pollution</i> , 2021, 291, 118153.	3.7	7
204	Organic inputs to reduce nitrogen export via leaching and runoff: A global meta-analysis. <i>Environmental Pollution</i> , 2021, 291, 118176.	3.7	35
205	Improved NH ₃ -N conversion efficiency to N ₂ activated by BDD substrate on NiCu electrocatalysis process. <i>Separation and Purification Technology</i> , 2021, 276, 119350.	3.9	12
206	How does partial substitution of chemical fertiliser with organic forms increase sustainability of agricultural production?. <i>Science of the Total Environment</i> , 2022, 803, 149933.	3.9	28
207	Spatial effects and impact factors of food nitrogen footprint in China based on spatial durbin panel model. <i>Environmental Research</i> , 2022, 204, 112046.	3.7	8
208	Environmental heterogeneity determines the response patterns of microbially mediated N-reduction processes to sulfamethoxazole in river sediments. <i>Journal of Hazardous Materials</i> , 2022, 421, 126730.	6.5	16
209	Water environmental pressure assessment in agricultural systems in Central Asia based on an Integrated Excess Nitrogen Load Model. <i>Science of the Total Environment</i> , 2022, 803, 149912.	3.9	10
210	Microbial dynamics and activity of denitrifying anaerobic methane oxidizers in China's estuarine and coastal wetlands. <i>Science of the Total Environment</i> , 2022, 806, 150425.	3.9	24
211	Sediments alleviate the inhibition effects of antibiotics on denitrification: Functional gene, microbial community, and antibiotic resistance gene analysis. <i>Science of the Total Environment</i> , 2022, 804, 150092.	3.9	31
212	COVID-19 lockdown improved river water quality in China. <i>Science of the Total Environment</i> , 2022, 802, 149585.	3.9	44
213	Modeling Climate Change Effects on Rice Yield and Soil Carbon under Variable Water and Nutrient Management. <i>Sustainability</i> , 2021, 13, 568.	1.6	16
214	Healthy waterways and ecologically sustainable cities in <scp>Beijing&Tianjin&Hebei</scp> urban agglomeration (northern China): Challenges and future directions. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1500.	2.8	18
215	Biodiversity Protection Technology in the Construction of Rural Landscape. , 2020, , 347-375.		2
216	Mitigating Membrane Fouling Based on In Situ H_2O_2 Generation in a Novel Electro-Fenton Membrane Bioreactor. <i>Environmental Science & Technology</i> , 2020, 54, 7669-7676.	4.6	43

#	ARTICLE	IF	CITATIONS
217	Sensors Applied for the Detection of Pesticides and Heavy Metals in Freshwaters. <i>Journal of Sensors</i> , 2020, 2020, 1-22.	0.6	28
218	Strategies to reduce nutrient pollution from manure management in China. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 45.	0.9	40
219	A green eco-environment for sustainable development: framework and action. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 67.	0.9	13
220	Agriculture Green Development: a model for China and the world. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 5.	0.9	71
221	Soil biodiversity and crop diversification are vital components of healthy soils and agricultural sustainability. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 236.	0.9	24
222	China's future food demand and its implications for trade and environment. <i>Nature Sustainability</i> , 2021, 4, 1042-1051.	11.5	112
223	Abatement costs of combatting industrial water pollution: convergence across Chinese provinces. <i>Environment, Development and Sustainability</i> , 2022, 24, 10752-10767.	2.7	2
224	The Migration and Transformation of Nitrogen in the Danjiangkou Reservoir and Upper Stream: A Review. <i>Water (Switzerland)</i> , 2021, 13, 2749.	1.2	4
225	Review of drivers and threats to coastal groundwater quality in China. <i>Science of the Total Environment</i> , 2022, 806, 150913.	3.9	60
226	Optimality-based modelling of climate impacts on global potential wheat yield. <i>Environmental Research Letters</i> , 2021, 16, 114013.	2.2	5
227	Balancing socioeconomic development with ecological conservation towards rural sustainability: a case study in semiarid rural China. <i>International Journal of Sustainable Development and World Ecology</i> , 2022, 29, 246-262.	3.2	9
228	Nitrogen Regulation in China's Agricultural Systems. , 2020, , 297-309.		2
229	Insights into spatiotemporal variations of the water quality in Taihu Lake Basin, China. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 757.	1.3	8
230	Simultaneous electrocatalytic removal of inorganic nitrogen compounds in groundwater: Modeling and mechanistic studies. <i>Chemical Engineering Journal</i> , 2022, 430, 133152.	6.6	9
231	Spatial and temporal variations in nitrogen retention effects in a subtropical mountainous basin in Southeast China. <i>Journal of Mountain Science</i> , 2021, 18, 2672-2687.	0.8	1
232	Modification of oyster shell powder by humic acid for ammonium removal from aqueous solutions and nutrient retention in soil. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106708.	3.3	10
233	Green Roofs for domestic wastewater treatment: Experimental and numerical analysis of nitrogen turnover. <i>Journal of Hydrology</i> , 2021, 603, 127132.	2.3	4
234	Life Below Water. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , .	0.0	7

#	ARTICLE	IF	CITATIONS
235	Comprehensive quantification of global cropland ammonia emissions and potential abatement. <i>Science of the Total Environment</i> , 2022, 812, 151450.	3.9	18
236	Catalytic wet air oxidation of toxic contaminants over highly dispersed Cu(II)/Cu(I)-N species in the framework of g-C ₃ N ₄ . <i>Journal of Hazardous Materials</i> , 2022, 424, 127679.	6.5	17
237	Nitrogen recovery by a halophilic ammonium-assimilating microbiome: A new strategy for saline wastewater treatment. <i>Water Research</i> , 2021, 207, 117832.	5.3	40
238	Blue, green, and grey water footprints assessment for paddy irrigation-drainage system. <i>Journal of Environmental Management</i> , 2022, 302, 114116.	3.8	12
239	Contributions made by rain-fed potato with mulching to food security in China. <i>European Journal of Agronomy</i> , 2022, 133, 126435.	1.9	20
240	Dynamics of microbial necromass in response to reduced fertilizer application mediated by crop residue return. <i>Soil Biology and Biochemistry</i> , 2022, 165, 108512.	4.2	15
241	Increasing grain yield, nitrogen use efficiency of summer maize and reducing greenhouse gas emissions by applying urea ammonium nitrate solution. <i>Agronomy Journal</i> , 2022, 114, 948-960.	0.9	5
242	Evaluating the risks of spatial and temporal changes in nonpoint source pollution in a Chinese river basin. <i>Science of the Total Environment</i> , 2022, 807, 151726.	3.9	18
243	Tuning mobility of intermediate and electron transfer to enhance electrochemical reduction of nitrate to ammonia on Cu ₂ O/Cu interface. <i>Chemical Engineering Journal</i> , 2022, 433, 133680.	6.6	41
244	Occurrence and Roles of Comammox Bacteria in Water and Wastewater Treatment Systems: A Critical Review. <i>Engineering</i> , 2022, 17, 196-206.	3.2	11
245	Evaluation of Total Nitrogen in Water via Airborne Hyperspectral Data: Potential of Fractional Order Discretization Algorithm and Discrete Wavelet Transform Analysis. <i>Remote Sensing</i> , 2021, 13, 4643.	1.8	16
246	Spatial and seasonal variability of chlorophyll <i>a</i> in different-sized lakes across eastern China. <i>Inland Waters</i> , 2022, 12, 205-214.	1.1	4
247	ENVIRONMENTAL REGULATION IMPROVES THE FIRM PERFORMANCE IN THE PAPER INDUSTRY IN CHINA. <i>Singapore Economic Review</i> , 0, , 1-32.	0.9	2
248	Optimizing nitrogen management diminished reactive nitrogen loss and acquired optimal net ecosystem economic benefit in a wheat-maize rotation system. <i>Journal of Cleaner Production</i> , 2022, 331, 129964.	4.6	22
249	Liquid membrane contactors incorporating surface skin asymmetric hollow fibres of poly(4-methyl-1-pentene) for ammonium recovery as liquid fertilisers. <i>Separation and Purification Technology</i> , 2022, 283, 120212.	3.9	22
250	Ammonia removal from municipal wastewater via membrane capacitive deionization (MCDI) in pilot-scale. <i>Separation and Purification Technology</i> , 2022, 286, 120469.	3.9	15
251	Spatiotemporal characteristics of agricultural nitrogen and phosphorus emissions to water and its source identification: A case in Bamen Bay, China. <i>Journal of Contaminant Hydrology</i> , 2022, 245, 103936.	1.6	5
252	Advancing greenhouse gas emission factors for municipal wastewater treatment plants in China. <i>Environmental Pollution</i> , 2022, 295, 118648.	3.7	23

#	ARTICLE	IF	CITATIONS
253	In-stream surface water quality in China: A spatially-explicit modelling approach for nutrients. <i>Journal of Cleaner Production</i> , 2022, 334, 130208.	4.6	6
254	Nutrient transport and exchange between the Mekong River and Tonle Sap Lake in Cambodia. <i>Ecological Engineering</i> , 2022, 176, 106527.	1.6	2
256	Pd Nanocrystals Embedded in BC2N for Efficient Electrochemical Conversion of Nitrate to Ammonia. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
257	Electrocatalytic Nitrate Reduction on Bimetallic Palladium-Copper Nanowires: Key Surface Structure for Selective Dinitrogen Formation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
258	A century of subclover: Lessons for sustainable intensification from a historical review of innovations in subterranean clover seed production. <i>Advances in Agronomy</i> , 2022, , 305-339.	2.4	1
259	Soil Salinization Was Reinforced by the Distance Along the River: A Case Study in the Yellow River Basin. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
260	Measuring the zonal responses of nitrogen output to landscape pattern in a flatland with river network: a case study in Taihu Lake Basin, China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 34624-34636.	2.7	11
261	Corn Nitrogen Nutrition Index Prediction Improved by Integrating Genetic, Environmental, and Management Factors with Active Canopy Sensing Using Machine Learning. <i>Remote Sensing</i> , 2022, 14, 394.	1.8	19
262	Responses of coastal sediment phosphorus release to elevated urea loading. <i>Marine Pollution Bulletin</i> , 2022, 174, 113203.	2.3	2
263	Exploring Seasonal and Annual Nitrogen Transfer and Ecological Response in Riverâ€Coast Continuums Based on Spatially Explicit Models. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2022, 127, .	1.3	2
264	Pollution controls in Lake Tai with the reduction of the watershed nitrogen footprint. <i>Journal of Cleaner Production</i> , 2022, 332, 130132.	4.6	5
265	A novel amended nitrification inhibitor confers an enhanced suppression role in the nitrification of ammonium in soil. <i>Journal of Soils and Sediments</i> , 2022, 22, 831.	1.5	4
266	Evaluation of river restoration efforts and a sharp decrease in surface runoff for water quality improvement in North China. <i>Environmental Research Letters</i> , 2022, 17, 044028.	2.2	6
267	Effects of different cropping systems on ammonia nitrogen load in a typical agricultural watershed of South China. <i>Journal of Contaminant Hydrology</i> , 2022, 246, 103963.	1.6	10
268	Dual-objective for the mechanism of membrane fouling in the early stage of filtration and determination of cleaning frequency: A novel combined model. <i>Journal of Membrane Science</i> , 2022, 647, 120315.	4.1	6
269	Which policy is preferred by crop farmers when replacing synthetic fertilizers by manure? A choice experiment in China. <i>Resources, Conservation and Recycling</i> , 2022, 180, 106176.	5.3	13
270	Pd nanocrystals embedded in BC2N for efficient electrochemical conversion of nitrate to ammonia. <i>Applied Surface Science</i> , 2022, 584, 152556.	3.1	18
271	Application of nature-based measures in China's sponge city initiative: Current trends and perspectives. <i>Nature-based Solutions</i> , 2022, 2, 100010.	1.6	16

#	ARTICLE	IF	CITATIONS
272	Optimum fertilizer application rate to ensure yield and decrease greenhouse gas emissions in rain-fed agriculture system of the Loess Plateau. <i>Science of the Total Environment</i> , 2022, 823, 153762.	3.9	16
273	Analysis of soil fertility and optimal nitrogen application of brown earth (<i>luvisols</i>) in China. <i>Soil Use and Management</i> , 2022, 38, 1416-1429.	2.6	3
274	Accounting for interactions between Sustainable Development Goals is essential for water pollution control in China. <i>Nature Communications</i> , 2022, 13, 730.	5.8	97
275	Relocate 10 billion livestock to reduce harmful nitrogen pollution exposure for 90% of China's population. <i>Nature Food</i> , 2022, 3, 152-160.	6.2	50
276	Fates of antibiotic resistance genes during upgrading process of a municipal wastewater treatment plant in southwest China. <i>Chemical Engineering Journal</i> , 2022, 437, 135187.	6.6	3
277	Global mapping reveals increase in lacustrine algal blooms over the past decade. <i>Nature Geoscience</i> , 2022, 15, 130-134.	5.4	158
278	Cost of raising discharge standards: A plant-by-plant assessment from wastewater sector in China. <i>Journal of Environmental Management</i> , 2022, 308, 114642.	3.8	17
279	Consolidation of agricultural land can contribute to agricultural sustainability in China. <i>Nature Food</i> , 2021, 2, 1014-1022.	6.2	92
280	Construction of Microalgae-Bacteria Symbiosis for the Enhanced Treatment of Biogas Slurry. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
281	Ambient ammonia production via electrocatalytic nitrate reduction catalyzed by flower-like CuCo ₂ O ₄ electrocatalyst. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	8
282	High Nitrite-Nitrogen Stress Intensity Drives Nitrite Anaerobic Oxidation to Nitrate and Inhibits Aceticlastic Methanogenesis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
283	Reinforced Soil Salinization with Distance Along the River: A Case Study on the Yellow River. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
284	Upcycling from Chitin-Waste Biomass into Bioethanol and Mushroom Via Solid-State Fermentation with <i>Pleurotus Ostreatus</i> . <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
285	Reinforced Soil Salinization with Distance Along the River: A Case Study on the Yellow River. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
286	Electrocatalytic reduction of nitrate – a step towards a sustainable nitrogen cycle. <i>Chemical Society Reviews</i> , 2022, 51, 2710-2758.	18.7	323
287	Species identity but not richness affects effluent nitrogen, phosphorus, and potassium concentrations and the ratios in floating-constructed wetlands. <i>Environmental Science and Pollution Research</i> , 2022, 29, 48748-48758.	2.7	4
288	Spatial analysis connects excess water pollution discharge, industrial production, and consumption at the sectoral level. <i>Npj Clean Water</i> , 2022, 5, .	3.1	13
289	Effects of Shallow Groundwater Depth and Nitrogen Application Level on Soil Water and Nitrate Content, Growth and Yield of Winter Wheat. <i>Agriculture (Switzerland)</i> , 2022, 12, 311.	1.4	8

#	ARTICLE	IF	CITATIONS
290	Atmospheric Organic Nitrogen Deposition in Strategic Water Sources of China after COVID-19 Lockdown. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2734.	1.2	2
291	Evaluation of Ammonia Nitrogen Exposure in Immune Defenses Present on Spleen and Head-Kidney of Wuchang Bream (<i>Megalobrama amblycephala</i>). <i>International Journal of Molecular Sciences</i> , 2022, 23, 3129.	1.8	8
292	Development of water quality management strategies based on multi-scale field investigation of nitrogen distribution: a case study of Beiyun River, China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 56511-56524.	2.7	2
293	Management implications of spatial-temporal variations of net anthropogenic nitrogen inputs (NANI) in the Yellow River Basin. <i>Environmental Science and Pollution Research</i> , 2022, 29, 52317-52335.	2.7	6
294	Different Irrigation Pressure and Filter on Emitter Clogging in Drip Phosphate Fertigation Systems. <i>Water (Switzerland)</i> , 2022, 14, 853.	1.2	2
295	Types and Distribution of Organic Amines in Organic Nitrogen Deposition in Strategic Water Sources. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4151.	1.2	3
296	Improved lakeshore sediment microenvironment and enhanced denitrification efficiency by natural solid carbon sources. <i>International Journal of Sediment Research</i> , 2022, 37, 823-832.	1.8	4
297	High nitrite-nitrogen stress intensity drives nitrite anaerobic oxidation to nitrate and inhibits methanogenesis. <i>Science of the Total Environment</i> , 2022, 832, 155109.	3.9	8
298	Interface engineering cerium-doped copper nanocrystal for efficient electrochemical nitrate-to-ammonia production. <i>Electrochimica Acta</i> , 2022, 411, 140095.	2.6	15
299	Ammonium-assimilating microbiome: A halophilic biosystem rationally optimized by carbon to nitrogen ratios with stable nitrogen conversion and microbial structure. <i>Bioresource Technology</i> , 2022, 350, 126911.	4.8	13
300	The effect of heavy rainfall events on nitrogen patterns in agricultural surface and underground streams and the implications for karst water quality protection. <i>Agricultural Water Management</i> , 2022, 266, 107600.	2.4	17
301	Decoupling environmental impact from economic growth to achieve Sustainable Development Goals in China. <i>Journal of Environmental Management</i> , 2022, 312, 114978.	3.8	27
302	Nitrogen flow in the food production and consumption system within the Yangtze River Delta city cluster: Influences of cropland and urbanization. <i>Science of the Total Environment</i> , 2022, 824, 153861.	3.9	12
303	Improved estimation of nitrogen dynamics in paddy surface water in China. <i>Journal of Environmental Management</i> , 2022, 312, 114932.	3.8	7
304	Comparison and risk assessment of nitrate and nitrite levels in infant formula and biscuits for small children in Turkey. <i>Journal of Food Composition and Analysis</i> , 2022, 109, 104522.	1.9	5
305	Insight into the synthesis and adsorption mechanism of adsorbents for efficient phosphate removal: Exploration from synthesis to modification. <i>Chemical Engineering Journal</i> , 2022, 442, 136147.	6.6	61
306	Electrocatalytic upcycling of nitrate and hydrogen sulfide via a nitrogen-doped carbon nanotubes encapsulated iron carbide electrode. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121291.	10.8	23
307	Spatio-temporal characteristics and determinants of anthropogenic nitrogen and phosphorus inputs in an ecologically fragile karst basin: Environmental responses and management strategies. <i>Ecological Indicators</i> , 2021, 133, 108453.	2.6	10

#	ARTICLE	IF	CITATIONS
308	Optimal nitrogen rate for rice production by traded-off analysis between rice yield and environmental cost: a case study in Tai Lake region. <i>Archives of Agronomy and Soil Science</i> , 0, , 1-16.	1.3	0
309	Decoupling and Decomposition Analysis of Agricultural Carbon Emissions: Evidence from Heilongjiang Province, China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 198.	1.2	12
310	The Dynamics of NO ₃ ⁻ and NH ₄ ⁺ Uptake in Duckweed Are Coordinated with the Expression of Major Nitrogen Assimilation Genes. <i>Plants</i> , 2022, 11, 11.	1.6	20
311	An evolving marine environment and its driving forces of algal blooms in the Southern Yellow Sea of China. <i>Marine Environmental Research</i> , 2022, 178, 105635.	1.1	8
312	Marine Colloids Promote the Adaptation of Diatoms to Nitrate Contamination by Directional Electron Transfer. <i>Environmental Science & Technology</i> , 2022, 56, 5694-5705.	4.6	9
313	Estimation of Unintended Treated Wastewater Contributions to Streams in the Yangtze River Basin and the Potential Human Health and Ecological Risk Analysis. <i>Environmental Science & Technology</i> , 2022, 56, 5590-5601.	4.6	10
314	Effects of long-term manure substitution regimes on soil organic carbon composition in a red paddy soil of southern China. <i>Soil and Tillage Research</i> , 2022, 221, 105395.	2.6	15
315	Building dual active sites Co ₃ O ₄ /Cu electrode to break scaling relations for enhancement of electrochemical reduction of nitrate to high-value ammonia. <i>Journal of Hazardous Materials</i> , 2022, 434, 128887.	6.5	25
316	Investigation of the nitrogen flows of the food supply chain in Beijing-Tianjin-Hebei region, China during 1978-2017. <i>Journal of Environmental Management</i> , 2022, 314, 115038.	3.8	5
322	Insight into the dynamic microbial community and core bacteria in composting from different sources by advanced bioinformatics methods. <i>Environmental Science and Pollution Research</i> , 2023, 30, 8956-8966.	2.7	20
323	High Nitrogen Addition after the Application of Sewage Sludge Compost Decreased the Bioavailability of Heavy Metals in Soil. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
324	Improvement of the Yangtze River's Water Quality with Substantial Implementation of Wastewater Services Infrastructure Since 2013. <i>Engineering</i> , 2023, 21, 135-142.	3.2	7
325	Optimizing nitrogen fertilizer use for more grain and less pollution. <i>Journal of Cleaner Production</i> , 2022, 360, 132180.	4.6	49
326	What drives the change of nitrogen and phosphorus loads in the Yellow River Basin during 2006-2017?. <i>Journal of Environmental Sciences</i> , 2023, 126, 17-28.	3.2	15
327	Evaluation of net anthropogenic nitrogen inputs in the Three Gorges Reservoir Area. <i>Ecological Indicators</i> , 2022, 139, 108922.	2.6	5
328	Denitrification strategy of <i>Pantoea</i> sp. MFG10 coupled with microbial dissimilatory manganese reduction: Deciphering the physiological response based on extracellular secretion. <i>Bioresource Technology</i> , 2022, 355, 127278.	4.8	16
329	Interflow pattern govern nitrogen loss from tea orchard slopes in response to rainfall pattern in Three Gorges Reservoir Area. <i>Agricultural Water Management</i> , 2022, 269, 107684.	2.4	14
330	APCS-MLR model: A convenient and fast method for quantitative identification of nitrate pollution sources in groundwater. <i>Journal of Environmental Management</i> , 2022, 314, 115101.	3.8	23

#	ARTICLE	IF	CITATIONS
331	Quantifying water footprint of winter wheat “ summer maize cropping system under manure application and limited irrigation: An integrated approach. Resources, Conservation and Recycling, 2022, 183, 106375.	5.3	19
332	Improving surface water quality of the Yellow River Basin due to anthropogenic changes. Science of the Total Environment, 2022, 836, 155607.	3.9	11
333	Combing public-private partnership and large-scale farming increased net ecosystem carbon budget and reduced carbon footprint of maize production. Resources, Conservation and Recycling, 2022, 184, 106411.	5.3	11
334	Measuring Success of SDG 14: An Australian Perspective. Encyclopedia of the UN Sustainable Development Goals, 2022, , 655-668.	0.0	1
335	Bottom-up estimates of reactive nitrogen loss from Chinese wheat production in 2014. Scientific Data, 2022, 9, .	2.4	4
336	The supply and demand of water purification service in an urbanizing basin on the Tibetan Plateau. Landscape Ecology, 2022, 37, 1937-1955.	1.9	8
338	Comparison on the photogranules formation and microbial community shift between the batch and continuous-flow mode for the high saline wastewater treatment. Chemical Engineering Journal, 2022, 446, 137284.	6.6	11
339	Using PCA-APCS-MLR model and SIAR model combined with multiple isotopes to quantify the nitrate sources in groundwater of Zhuji, East China. Applied Geochemistry, 2022, 143, 105354.	1.4	4
340	Assessing the sustainability of freshwater consumption based on developing 3D water footprint: A case of China. Journal of Cleaner Production, 2022, 364, 132577.	4.6	6
341	China’s nitrogen management of wheat production needs more than high nitrogen use efficiency. European Journal of Agronomy, 2022, 139, 126557.	1.9	4
342	Efficient electrocatalytic nitrate reduction via boosting oxygen vacancies of TiO ₂ nanotube array by highly dispersed trace Cu doping. Journal of Hazardous Materials, 2022, 438, 129455.	6.5	32
343	The synthesis of MOF derived carbon and its application in water treatment. Nano Research, 2022, 15, 6793-6818.	5.8	39
344	Particle-in-Molybdenum Disulfide-Coated Cavity Structure with a Raman Internal Standard for Sensitive Raman Detection of Water Contaminants from Ions to 300 nm Nanoplastics. Journal of Physical Chemistry Letters, 2022, 13, 5815-5823.	2.1	22
345	Fine Soil Texture Is Conducive to Crop Productivity and Nitrogen Retention in Irrigated Cropland in a Desert-Oasis Ecotone, Northwest China. Agronomy, 2022, 12, 1509.	1.3	7
346	The impact of excessive protein consumption on human wastewater nitrogen loading of US waters. Frontiers in Ecology and the Environment, 2022, 20, 452-458.	1.9	5
347	Theoretical insights into the electroreduction of nitrate to ammonia on graphene-based single-atom catalysts. Nanoscale, 2022, 14, 10862-10872.	2.8	57
348	Efficient Nitrate Adsorption from Groundwater by Biochar-Supported Al-Substituted Goethite. Sustainability, 2022, 14, 7824.	1.6	4
349	Nitrogen and phosphorus emissions to water in agricultural crop-animal systems and driving forces in Hainan Island, China. Environmental Science and Pollution Research, 2022, 29, 85036-85049.	2.7	1

#	ARTICLE	IF	CITATIONS
350	Reforming China's fertilizer policies: implications for nitrogen pollution reduction and food security. <i>Sustainability Science</i> , 2023, 18, 407-420.	2.5	14
351	Efficient Electroreduction of Nitrate into Ammonia at Ultralow Concentrations Via an Enrichment Effect. <i>Advanced Materials</i> , 2022, 34, .	11.1	72
352	Fluxes, characteristics and influence on the aquatic environment of inorganic nitrogen deposition in the Danjiangkou reservoir. <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113814.	2.9	8
353	Upcycling from chitin-waste biomass into bioethanol and mushroom via solid-state fermentation with <i>Pleurotus ostreatus</i> . <i>Fuel</i> , 2022, 326, 125061.	3.4	9
354	Residential and agricultural soils dominate soil organic matter loss in a typical agricultural watershed of subtropical China. <i>Agriculture, Ecosystems and Environment</i> , 2022, 338, 108100.	2.5	4
355	Water quality assessment using optimized CWQII in Taihu Lake. <i>Environmental Research</i> , 2022, 214, 113713.	3.7	5
356	Anchored Fe atoms for N O bond activation to boost electrocatalytic nitrate reduction at low concentrations. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121721.	10.8	27
357	Transprovincial water quality impacts and the environmental inequity of grey water footprint transfer in China. <i>Resources, Conservation and Recycling</i> , 2022, 186, 106537.	5.3	1
358	Optimal Fertilizer Application Reduced Nitrogen Leaching and Maintained High Yield in Wheat-Maize Cropping System in North China. <i>Plants</i> , 2022, 11, 1963.	1.6	2
359	China economy-wide material flow account database from 1990 to 2020. <i>Scientific Data</i> , 2022, 9, .	2.4	1
360	Can Economic Growth and Environmental Protection Achieve a "Win-Win" Situation? Empirical Evidence from China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 9851.	1.2	11
361	Development, hotspots and trend directions of groundwater salinization research in both coastal and inland areas: a bibliometric and visualization analysis from 1970 to 2021. <i>Environmental Science and Pollution Research</i> , 2022, 29, 67704-67727.	2.7	6
362	Optimizing Tillage and Fertilization Patterns to Improve Soil Physical Properties, NUE and Economic Benefits of Wheat-Maize Crop Rotation Systems. <i>Agriculture (Switzerland)</i> , 2022, 12, 1264.	1.4	1
363	Non-parametric analysis of nitrogen trends in the form of nitrate and nitrite in rivers and streams of the contiguous United States for 1990-2019. <i>International Journal of River Basin Management</i> , 0, , 1-13.	1.5	0
364	Performance Evaluation of Calcined Meretrix lusoria Beads Fixed Bed Column for Instantaneous Removal of Phosphate and Nitrate from Domestic Wastewater. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	0
365	Balance nitrogen and phosphorus efficient removal under carbon limitation in pilot-scale demonstration of a novel anaerobic/aerobic/anoxic process. <i>Water Research</i> , 2022, 223, 118991.	5.3	14
366	Global occupation of wetland by artificial impervious surface area expansion and its impact on ecosystem service value for 2001-2018. <i>Ecological Indicators</i> , 2022, 142, 109307.	2.6	13
367	Spatial characteristics of nitrogen forms in a large degenerating lake: Its relationship with dissolved organic matter and microbial community. <i>Journal of Cleaner Production</i> , 2022, 371, 133617.	4.6	15

#	ARTICLE	IF	CITATIONS
368	Polymer-assisted preparation of porous wood-based metallic composites for efficient catalytic reduction of organic pollutants. <i>Industrial Crops and Products</i> , 2022, 187, 115387.	2.5	6
369	A holistic assessment of spatiotemporal variation, driving factors, and risks influencing river water quality in the northeastern Qinghai-Tibet Plateau. <i>Science of the Total Environment</i> , 2022, 851, 157942.	3.9	12
370	Effects of Organic Fertilization Rates on Surface Water Nitrogen and Phosphorus Concentrations in Paddy Fields. <i>Agriculture (Switzerland)</i> , 2022, 12, 1466.	1.4	0
371	Identifying multivariate controls of water and nitrate in deep loess deposits under different land use types. <i>Journal of Hydrology</i> , 2022, 613, 128409.	2.3	5
372	Cropland degradation and nutrient overload on Hainan Island: A review and synthesis. <i>Environmental Pollution</i> , 2022, 313, 120100.	3.7	11
373	Spatial patterns and driving factor analysis of recommended nitrogen application rate for the trade-off between economy and environment for maize in China. <i>Journal of Environmental Management</i> , 2022, 322, 116099.	3.8	2
374	An improved minimum cumulative resistance model for risk assessment of agricultural non-point source pollution in the coastal zone. <i>Environmental Pollution</i> , 2022, 312, 120036.	3.7	14
375	Examination of Changes in Selected Nutrient Concentrations from 1988 to 2018 in the Largest Freshwater Lake in China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .	0.8	0
376	Anthropogenic pollution discharges, hotspot pollutants and targeted strategies for urban and rural areas in the context of population migration: Numerical modeling of the Minjiang River basin. <i>Environment International</i> , 2022, 169, 107508.	4.8	12
377	Towards responsible production, consumption and food security in China: A review of the role of novel alternatives to meat protein. <i>Future Foods</i> , 2022, 6, 100186.	2.4	4
378	A superior photocatalytic adsorbent with charge redistribution for rapid removal of pollutants from water. <i>Applied Surface Science</i> , 2022, 606, 154865.	3.1	0
379	High nitrogen addition after the application of sewage sludge compost decreased the bioavailability of heavy metals in soil. <i>Environmental Research</i> , 2022, 215, 114351.	3.7	8
380	One-step synthesis of Cu(OH) ₂ -Cu/Ni foam cathode for electrochemical reduction of nitrate. <i>Chemical Engineering Journal</i> , 2023, 451, 138936.	6.6	21
381	The successful integration of anammox to enhance the operational stability and nitrogen removal efficiency during municipal wastewater treatment. <i>Chemical Engineering Journal</i> , 2023, 451, 138878.	6.6	18
382	Self-supported porous copper oxide nanosheet arrays for efficient and selective electrochemical conversion of nitrate ions to nitrogen gas. <i>Journal of Materials Science and Technology</i> , 2023, 137, 104-111.	5.6	11
383	Electroreduction of nitrate to ammonia on atomically-dispersed Cu-N ₄ active sites with high efficiency and stability. <i>Fuel</i> , 2023, 332, 126106.	3.4	8
384	The determining factors of sediment nutrient content and stoichiometry along profile depth in seasonal water. <i>Science of the Total Environment</i> , 2023, 856, 158972.	3.9	1
385	Improving crop-livestock integration in China using numerical experiments at catchment and regional scales. <i>Agriculture, Ecosystems and Environment</i> , 2023, 341, 108192.	2.5	9

#	ARTICLE	IF	CITATIONS
386	Source apportionment of water pollutants in Poyang Lake Basin in China using absolute principal component scoreâ€“multiple linear regression model combined with land-use parameters. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0
387	The triple benefits of slimming and greening the Chinese food system. <i>Nature Food</i> , 2022, 3, 686-693.	6.2	10
388	Nitrogen Pollution Originating from Wastewater and Agriculture: Advances in Treatment and Management. <i>Reviews of Environmental Contamination and Toxicology</i> , 2022, 260, .	0.7	1
389	Assessment of the Analytic and Hydrologic Methods in Separation of Watershed Response to Climate and Land Use Changes. <i>Water Resources Management</i> , 2023, 37, 2575-2591.	1.9	6
390	The Influence of Plants on the Migration and Transformation of Nitrogen in Plant-Soil Systems: a Review. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 4084-4102.	1.7	5
391	Quantitative Assessment of Impact of Climate Change and Human Activities on Streamflow Changes Using an Improved Three-Parameter Monthly Water Balance Model. <i>Remote Sensing</i> , 2022, 14, 4411.	1.8	1
392	Improving the accuracy of nonpoint-source pollution estimates in inland waters with coupled satellite-UAV data. <i>Water Research</i> , 2022, 225, 119208.	5.3	3
393	Preparation of modified polylactic acid melt coated urea material and its green coating technique. <i>Progress in Organic Coatings</i> , 2022, 173, 107214.	1.9	4
394	Coastal Pollution. , 2022, , 251-286.		1
395	Two kinds of behavior of fruit peel coagulant in treating low carbon source wastewaters. <i>Environmental Engineering Research</i> , 2023, 28, 220223-0.	1.5	2
396	Nitrogen addition alters plant growth in Chinaâ€™s Yellow River Delta coastal wetland through direct and indirect effects. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
397	A Flashforward Look into Solutions for Fruit and Vegetable Production. <i>Genes</i> , 2022, 13, 1886.	1.0	0
398	Defect engineering for advanced electrocatalytic conversion of nitrogen-containing molecules. <i>Science China Chemistry</i> , 2023, 66, 1052-1072.	4.2	14
399	Water Footprint Assessment of Green and Traditional Cultivation of Crops in the Huang-Huai-Hai Farming Region. <i>Agronomy</i> , 2022, 12, 2494.	1.3	2
400	From planetary to regional boundaries for agricultural nitrogen pollution. <i>Nature</i> , 2022, 610, 507-512.	13.7	78
401	Proper Deficit Nitrogen Application and Irrigation of Tomato Can Obtain a Higher Fruit Quality and Improve Cultivation Profit. <i>Agronomy</i> , 2022, 12, 2578.	1.3	5
402	Interactive effects of benthivorous fish disturbance and ammonium loading on two submersed macrophytes of contrasting growth forms based on a mesocosm study. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	1
403	Landscape-based solutions are needed for meeting water challenges of Chinaâ€™s expanding and thirsty cities. <i>Landscape Ecology</i> , 2022, 37, 2729-2733.	1.9	6

#	ARTICLE	IF	CITATIONS
404	Eutrophication has a greater influence on floodplain lake carbon cycling than dam installation across the middle Yangtze region. <i>Journal of Hydrology</i> , 2022, 614, 128510.	2.3	8
405	Long-term nitrogen addition increases denitrification potential and functional gene abundance and changes denitrifying communities in acidic tea plantation soil. <i>Environmental Research</i> , 2023, 216, 114679.	3.7	5
406	Sustainable ammonia recovery from low strength wastewater by the integrated ion exchange and bipolar membrane electro dialysis with membrane contactor system. <i>Separation and Purification Technology</i> , 2023, 305, 122429.	3.9	12
407	A sustainable approach to narrowing the summer maize yield gap experienced by smallholders in the North China Plain. <i>Agricultural Systems</i> , 2023, 204, 103541.	3.2	11
408	Spatiotemporal differences in riverine nitrogen and phosphorus fluxes and associated drivers across China from 1980 to 2018. <i>Chemosphere</i> , 2023, 310, 136827.	4.2	3
409	Simulated nitrogen deposition promotes the carbon assimilation of shrubs rather than tree species in an evergreen broad-leaved forest. <i>Environmental Research</i> , 2023, 216, 114497.	3.7	3
410	Driving forces of nitrogen use efficiency in Chinese croplands on county scale. <i>Environmental Pollution</i> , 2023, 316, 120610.	3.7	14
411	Mitigation of nitrogen losses and greenhouse gas emissions in a more circular cropping-poultry production system. <i>Resources, Conservation and Recycling</i> , 2023, 189, 106739.	5.3	13
412	A Hierarchical Framework for Unpacking the Nitrogen Challenge. <i>Earth's Future</i> , 2022, 10, .	2.4	2
413	Subsurface banding of blended controlled-release urea can optimize rice yields while minimizing yield-scaled greenhouse gas emissions. <i>Crop Journal</i> , 2023, 11, 914-921.	2.3	10
414	Nitrogen recovery from wastewater as nitrate by coupling mainstream ammonium separation with side stream cyclic up-concentration and targeted conversion. <i>Chemical Engineering Journal</i> , 2023, 455, 140337.	6.6	4
415	Impacts of the Extension of Cassava Soil Conservation and Efficient Technology on the Reduction of Chemical Fertilizer Input in China. <i>Sustainability</i> , 2022, 14, 15052.	1.6	0
416	Remote Sensing Retrieval of Total Nitrogen in the Pearl River Delta Based on Landsat8. <i>Water (Switzerland)</i> , 2022, 14, 3710.	1.2	3
417	Effect of Aeration on Blockage Regularity and Microbial Diversity of Blockage Substance in Drip Irrigation Emitter. <i>Agriculture (Switzerland)</i> , 2022, 12, 1941.	1.4	3
418	Effect of the Release of Gravel Elements on Soil Nutrients and Jujube Fruit Yield under Wet-and-Dry Cycles. <i>Agronomy</i> , 2022, 12, 2881.	1.3	1
419	Nitrogen dynamics in the Critical Zones of China. <i>Progress in Physical Geography</i> , 2022, 46, 869-888.	1.4	20
420	A comparative sustainability evaluation of alternative configurations of an urban nitrogen removal solution targeting different pathways. <i>Journal of Cleaner Production</i> , 2023, 384, 135619.	4.6	0
421	Aggravation of nitrogen losses driven by agriculture and livestock farming development on the Qinghai-Tibet Plateau. <i>Journal of Environmental Management</i> , 2023, 326, 116795.	3.8	3

#	ARTICLE	IF	CITATIONS
422	Hydrological regulation of nitrate sources, transformation and transport pathway in a karstic river. <i>Journal of Hydrology</i> , 2023, 617, 128998.	2.3	3
423	Recycling nitrogen in livestock wastewater for alternative protein by black soldier fly larvae bioreactor. <i>Environmental Technology and Innovation</i> , 2023, 29, 102971.	3.0	6
424	Navigating farming-BMP-policy interplay through a dynamical model. <i>Ecological Economics</i> , 2023, 205, 107667.	2.9	1
425	Nitrogen in the Yangtze River Basin: Pollution Reduction through Coupling Crop and Livestock Production. <i>Environmental Science & Technology</i> , 2022, 56, 17591-17603.	4.6	12
426	In Situ Confinement of Ultrasmall Metal Nanoparticles in Short Mesochannels for Durable Electrocatalytic Nitrate Reduction with High Efficiency and Selectivity. <i>Advanced Materials</i> , 2023, 35, .	11.1	34
427	Growing for good: producing a healthy, low greenhouse gas and water quality footprint diet in Aotearoa, New Zealand. <i>Journal of the Royal Society of New Zealand</i> , 2024, 54, 325-349.	1.0	1
428	How elevated nitrogen load affects bacterial community structure and nitrogen cycling services in coastal water. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
429	Role of phosphorus in the seasonal deoxygenation of the East China Sea shelf. <i>Biogeosciences</i> , 2022, 19, 5893-5910.	1.3	2
430	Durable Electrocatalytic Reduction of Nitrate to Ammonia over Defective Pseudobrookite Fe ₂ TiO ₅ Nanofibers with Abundant Oxygen Vacancies. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	21
431	Nitrogen Fertilization Effects on Soil Nitrate, Water Use, Growth Attributes and Yield of Winter Wheat under Shallow Groundwater Table Condition. <i>Agronomy</i> , 2022, 12, 3048.	1.3	0
432	Durable Electrocatalytic Reduction of Nitrate to Ammonia over Defective Pseudobrookite Fe ₂ TiO ₅ Nanofibers with Abundant Oxygen Vacancies. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	46
433	Integrated crop-livestock-bioenergy system brings co-benefits and trade-offs in mitigating the environmental impacts of Chinese agriculture. <i>Nature Food</i> , 2022, 3, 1052-1064.	6.2	14
434	Optimizing Water and Nitrogen Management for Green Pepper (<i>Capsicum annuum</i> L.) under Drip Irrigation in Sub-Tropical Monsoon Climate Regions. <i>Agronomy</i> , 2023, 13, 34.	1.3	1
436	Net Anthropogenic Nitrogen Input and Its Relationship with Riverine Nitrogen Flux in a Typical Irrigated Area of China Based on an Improved NANI Budgeting Model. <i>Water (Switzerland)</i> , 2023, 15, 276.	1.2	1
437	An extended input-output analysis of links between industrial production and water pollutant discharge in the Yangtze River Economic Belt. <i>Journal of Cleaner Production</i> , 2023, 390, 136115.	4.6	3
438	Vertical migration of nutrients and water-soluble organic matter in the soil profile under pre-sowing seed treatment with plant growth promoting rhizobacteria. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, .	1.8	1
439	Global patterns and key drivers of stream nitrogen concentration: A machine learning approach. <i>Science of the Total Environment</i> , 2023, 868, 161623.	3.9	2
440	The greenhouse gas rebound effect from increased energy efficiency across China's staple crops. <i>Energy Policy</i> , 2023, 173, 113398.	4.2	2

#	ARTICLE	IF	CITATIONS
441	Ecosystem deterioration in the middle Yangtze floodplain lakes over the last two centuries: Evidence from sedimentary pigments. <i>Quaternary Science Reviews</i> , 2023, 302, 107954.	1.4	6
442	Remote sensing of dissolved CO ₂ concentrations in meso-eutrophic lakes using Sentinel-3 imagery. <i>Remote Sensing of Environment</i> , 2023, 286, 113431.	4.6	6
443	The effectiveness of eight-years phosphorus reducing inputs on double cropping paddy: Insights into productivity and soil-plant phosphorus trade-off. <i>Science of the Total Environment</i> , 2023, 866, 161429.	3.9	4
444	Advanced nitrogen removal performance and microbial community structure of a lab-scale denitrifying filter with in-situ formation of biogenic manganese oxides. <i>Journal of Environmental Management</i> , 2023, 331, 117299.	3.8	7
445	Shifts in the sources and fates of nitrate in shallow groundwater caused by agricultural intensification intensity: Revealed by hydrochemistry, stable isotopic composition and source contribution. <i>Agriculture, Ecosystems and Environment</i> , 2023, 345, 108337.	2.5	6
446	Large-scale prediction of stream water quality using an interpretable deep learning approach. <i>Journal of Environmental Management</i> , 2023, 331, 117309.	3.8	8
447	High-resolution maps of intensive and extensive livestock production in China. <i>Resources, Environment and Sustainability</i> , 2023, 12, 100104.	2.9	6
448	Microalgae-Based Biotechnology as Alternative Biofertilizers for Soil Enhancement and Carbon Footprint Reduction: Advantages and Implications. <i>Marine Drugs</i> , 2023, 21, 93.	2.2	21
449	Improvement of Water and Nitrogen Use Efficiencies by Alternative Cropping Systems Based on a Model Approach. <i>Plants</i> , 2023, 12, 597.	1.6	1
451	Ultrafast Piezocatalysts Enabled By Interfacial Interaction of Reduced Graphene Oxide/MoS ₂ Heterostructures. <i>Advanced Materials</i> , 2023, 35, .	11.1	26
452	Nitrate removal mechanism in riparian groundwater in an intensified agricultural catchment. <i>Agricultural Water Management</i> , 2023, 280, 108223.	2.4	7
453	High resolution annual irrigation water use maps in China based-on input variables selection and convolutional neural networks. <i>Journal of Cleaner Production</i> , 2023, 405, 136974.	4.6	2
454	Gross nitrogen mineralization and nitrification at an optimal phosphorus input level in southern Chinese red soil with long-term fertilization. <i>Soil and Tillage Research</i> , 2023, 230, 105710.	2.6	1
455	Determining nitrogen fate by hydrological pathways and impact on carbonate weathering in an agricultural karst watershed. <i>International Soil and Water Conservation Research</i> , 2023, 11, 327-338.	3.0	2
456	Microplastics change the leaching of nitrogen and potassium in Mollisols. <i>Science of the Total Environment</i> , 2023, 878, 163121.	3.9	3
457	Patterns and drivers of fecal coliform exports in a typhoon-affected watershed: insights from 10-year observations and SWAT model. <i>Journal of Cleaner Production</i> , 2023, 406, 137044.	4.6	4
458	Advanced nitrogen removal from low carbon nitrogen ratio domestic sewage via continuous plug-flow anaerobic/oxic/anoxic system: Enhanced by endogenous denitrification. <i>Bioresource Technology</i> , 2023, 378, 128987.	4.8	7
459	Emerging high-ammonia nitrogen wastewater remediation by biological treatment and photocatalysis techniques. <i>Science of the Total Environment</i> , 2023, 875, 162603.	3.9	22

#	ARTICLE	IF	CITATIONS
460	Co-N bond promotes the H* pathway for the electrocatalytic reduction of nitrate (NO ₃ RR) to ammonia. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109718.	3.3	5
461	Understanding advances and challenges of urban water security and sustainability in China based on water footprint dynamics. <i>Ecological Indicators</i> , 2023, 150, 110233.	2.6	9
462	Simultaneous immobilization of ammonia and phosphorous by thermally treated sediment co-modified with hydrophilic organic matter and zeolite. <i>Journal of Environmental Management</i> , 2023, 339, 117800.	3.8	0
463	Imbalanced phytoplankton C, N, P and its relationship with seawater nutrients in Xiamen Bay, China. <i>Marine Pollution Bulletin</i> , 2023, 187, 114566.	2.3	6
464	Hindcasting harmful algal bloom risk due to land-based nutrient pollution in the Eastern Chinese coastal seas. <i>Water Research</i> , 2023, 231, 119669.	5.3	16
465	Recycling of wet grinding industry effluent using effective Microorganisms ^{â„¢} (EM). <i>Heliyon</i> , 2023, 9, e13266.	1.4	3
466	Characteristic of water quality indicators and its response to climate conditions in the middle and lower reaches of Lijiang River, China. <i>Environmental Monitoring and Assessment</i> , 2023, 195, .	1.3	1
467	Human-driven long-term disconnect of nutrient inputs to the Yellow River basin and river export to the Bohai Sea. <i>Journal of Hydrology</i> , 2023, 618, 129279.	2.3	3
468	The formation of discharge standards of pollutants for municipal wastewater treatment plants needs adapt to local conditions in China. <i>Environmental Science and Pollution Research</i> , 2023, 30, 57207-57211.	2.7	4
469	Food Nitrogen Footprint Increased by 35% on the Third Pole During 1998â€”2018. <i>GeoHealth</i> , 2023, 7, .	1.9	2
470	Tandem Efficient Bromine Removal and Silver Recovery by Resorcinol-Formaldehyde Resin Nanoparticles. <i>Nano Letters</i> , 2023, 23, 2239-2246.	4.5	1
471	Composite iron-carbon constructed wetland combined with photocatalytic film to restore eutrophic water body and the hydraulic performance of constructed wetland. <i>Journal of Water Process Engineering</i> , 2023, 53, 103590.	2.6	4
472	A parsimonious model for predicting the NO ₃ ⁻ -N concentration in shallow groundwater in intensive agricultural areas using few easily accessible indicators and small datasets based on machine learning. <i>Journal of Hydrology</i> , 2023, 619, 129356.	2.3	2
473	Does Soil Pollution Prevention and Control Promote Corporate Sustainable Development? A Quasi-Natural Experiment of â€œ10-Point Soil Planâ€”in China. <i>Sustainability</i> , 2023, 15, 4598.	1.6	0
474	Free-standing membrane incorporating single-atom catalysts for Ultrafast electroreduction of low-concentration nitrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	21
475	Effects of nitrogen application on winter wheat growth, water use, and yield under different shallow groundwater depths. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	1
477	Flux and form of phosphorus in overlying water at the effluent section of the Three Gorges Reservoir from 1998 to 2019. <i>Hupo Kexue/Journal of Lake Sciences</i> , 2023, 35, 435-448.	0.3	1
478	Identify nitrogen transport paths and sources contribution in karst valley depression area using isotopic approach. <i>Journal of Environmental Management</i> , 2023, 337, 117751.	3.8	2

#	ARTICLE	IF	CITATIONS
479	Effects of irrigation and nitrogen fertilizer management on wheat grain baking quality based on the SiriusQuality2 crop model. <i>Irrigation and Drainage</i> , 2023, 72, 729-746.	0.8	1
480	Sustainable options for fertilizer management in agriculture to prevent water contamination: a review. <i>Environment, Development and Sustainability</i> , 0, , .	2.7	4
481	Nitrogen-containing wastewater fuel cells for total nitrogen removal and energy recovery based on Cl ⁻ /ClO ⁻ oxidation of ammonia nitrogen. <i>Water Research</i> , 2023, 235, 119914.	5.3	20
482	The effects of organic fertilizer on loss risk of nitrogen and phosphorus in paddy ponded water. <i>Environmental Science and Pollution Research</i> , 2023, 30, 55529-55540.	2.7	0
483	Regional differences in the green use level of cultivated land in the Heilongjiang reclamation area. <i>Frontiers in Environmental Science</i> , 0, 11, .	1.5	4
484	Estimation of the Potential Global Nitrogen Flow in a Nitrogen Recycling System with Industrial Countermeasures. <i>Sustainability</i> , 2023, 15, 6042.	1.6	3
485	Optimization of the fertilizer performances in long-term garlic cropping soils. <i>Pedosphere</i> , 2023, , .	2.1	0
486	Making China's water data accessible, usable and shareable. , 2023, 1, 328-335.		10
487	The optimum economic nitrogen rate of blended controlled-release nitrogen fertilizer for rice in the Chanoyu watershed in the Yangtze River Delta, China. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	1
488	Modeling ammonia emissions and abatement potential from the rice-wheat rotation fields using the calibrated DNDC model: A case study in Shanghai, China. <i>Atmospheric Environment</i> , 2023, 305, 119782.	1.9	1
489	Achieving high yield and nitrogen agronomic efficiency by coupling wheat varieties with soil fertility. <i>Science of the Total Environment</i> , 2023, 881, 163531.	3.9	4
490	Enhancing Bioavailability of Fertilizer through an Amyloid-Like Protein Coating. <i>Advanced Materials</i> , 2023, 35, .	11.1	5
491	Ecological interactions and the underlying mechanism of anammox and denitrification across the anammox enrichment with eutrophic lake sediments. <i>Microbiome</i> , 2023, 11, .	4.9	10
513	A review of water quality models and monitoring methods for capabilities of pollutant source identification, classification, and transport simulation. <i>Reviews in Environmental Science and Biotechnology</i> , 0, , .	3.9	1
517	Wastewater Treatment and Reuse in Future Cities. , 2023, , 339-369.		0
553	Editorial: Ecological, efficient and low-carbon cereal-legume intercropping systems. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0
579	Structural engineering of catalysts for ammonia electrosynthesis from nitrate: recent advances and challenges. , 2024, 2, 202-219.		2
581	L-shape semi aerated high-Ca steel slag filter for enhanced nutrient removal from domestic wastewater. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0

#	ARTICLE	IF	CITATIONS
599	Freshwater Pollution: Overview, Prevention, and Control. , 2023, , 359-365.		0
619	Autotrophic denitrification based on sulfur-iron minerals: advanced wastewater treatment technology with simultaneous nitrogen and phosphorus removal. Environmental Science and Pollution Research, 2024, 31, 6766-6781.	2.7	0