

# Baojing Gu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9089607/baojing-gu-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

79  
papers

3,352  
citations

32  
h-index

57  
g-index

98  
ext. papers

4,670  
ext. citations

10.1  
avg, IF

5.53  
L-index

#	Paper	IF	Citations
79	Pollution controls in Lake Tai with the reduction of the watershed nitrogen footprint. <i>Journal of Cleaner Production</i> , <b>2022</b> , 332, 130132	10.3	0
78	Particle toxicity's role in air pollution-Response.. <i>Science</i> , <b>2022</b> , 375, 506-507	33.3	
77	Costs and benefits of ammonia abatement in Australia. <i>Resources, Conservation and Recycling</i> , <b>2022</b> , 182, 106318	11.9	
76	Socioeconomic barriers of nitrogen management for agricultural and environmental sustainability. <i>Agriculture, Ecosystems and Environment</i> , <b>2022</b> , 333, 107950	5.7	1
75	Integrated livestock sector nitrogen pollution abatement measures could generate net benefits for human and ecosystem health in China. <i>Nature Food</i> , <b>2022</b> , 3, 161-168	14.4	0
74	Optimizing nitrogen fertilizer use for more grain and less pollution. <i>Journal of Cleaner Production</i> , <b>2022</b> , 132180	10.3	2
73	Consolidation of agricultural land can contribute to agricultural sustainability in China. <i>Nature Food</i> , <b>2021</b> , 2, 1014-1022	14.4	9
72	Abating ammonia is more cost-effective than nitrogen oxides for mitigating PM air pollution. <i>Science</i> , <b>2021</b> , 374, 758-762	33.3	24
71	Urbanization can benefit agricultural production with large-scale farming in China. <i>Nature Food</i> , <b>2021</b> , 2, 183-191	14.4	23
70	Soil-Food-Environment-Health Nexus for Sustainable Development. <i>Research</i> , <b>2021</b> , 2021, 9804807	7.8	3
69	The Warming Climate Aggravates Atmospheric Nitrogen Pollution in Australia. <i>Research</i> , <b>2021</b> , 2021, 9804583	7.8	2
68	Decoupling livestock and crop production at the household level in China. <i>Nature Sustainability</i> , <b>2021</b> , 4, 48-55	22.1	26
67	Fertilizer overuse in Chinese smallholders due to lack of fixed inputs. <i>Journal of Environmental Management</i> , <b>2021</b> , 293, 112913	7.9	13
66	Reforming smallholder farms to mitigate agricultural pollution. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	2
65	Uncertainty of nitrogen budget in China. <i>Environmental Pollution</i> , <b>2021</b> , 286, 117216	9.3	1
64	Human-caused increases in reactive nitrogen burial in sediment of global lakes. <i>Innovation(China)</i> , <b>2021</b> , 2, 100158	17.8	1
63	An empirical model to estimate ammonia emission from cropland fertilization in China. <i>Environmental Pollution</i> , <b>2021</b> , 288, 117982	9.3	3

62	Overcoming socioeconomic barriers to reduce agricultural ammonia emission in China. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 25813-25817	5.1	7
61	Plant diversity improves the effluent quality and stability of floating constructed wetlands under increased ammonium/nitrate ratio in influent. <i>Journal of Environmental Management</i> , <b>2020</b> , 266, 110607-110617	7.9	4
60	Plastic pollution in croplands threatens long-term food security. <i>Global Change Biology</i> , <b>2020</b> , 26, 3356-3367	36.7	59
59	Concurrent and lagged effects of spring greening on seasonal carbon gain and water loss across the Northern Hemisphere. <i>International Journal of Biometeorology</i> , <b>2020</b> , 64, 1343-1354	3.7	1
58	Reactive Nitrogen Budgets in China <b>2020</b> , 87-109		
57	A high-resolution map of reactive nitrogen inputs to China. <i>Scientific Data</i> , <b>2020</b> , 7, 379	8.2	2
56	Societal benefits of halving agricultural ammonia emissions in China far exceed the abatement costs. <i>Nature Communications</i> , <b>2020</b> , 11, 4357	17.4	37
55	Four steps to food security for swelling cities. <i>Nature</i> , <b>2019</b> , 566, 31-33	50.4	47
54	Rebuilding the linkage between livestock and cropland to mitigate agricultural pollution in China. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 144, 65-73	11.9	63
53	A world of co-benefits: Solving the global nitrogen challenge. <i>Earth's Future</i> , <b>2019</b> , 7, 1-8	7.9	61
52	An integrated analysis on source-exposure risk of heavy metals in agricultural soils near intense electronic waste recycling activities. <i>Environment International</i> , <b>2019</b> , 133, 105239	12.9	51
51	The impact of farm size on agricultural sustainability. <i>Journal of Cleaner Production</i> , <b>2019</b> , 220, 357-367	10.3	76
50	Decreasing farm number benefits the mitigation of agricultural non-point source pollution in China. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 464-472	5.1	22
49	Toward a Generic Analytical Framework for Sustainable Nitrogen Management: Application for China. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1109-1118	10.3	13
48	Cleaning up nitrogen pollution may reduce future carbon sinks. <i>Global Environmental Change</i> , <b>2018</b> , 48, 56-66	10.1	29
47	Ammonia emissions from paddy fields are underestimated in China. <i>Environmental Pollution</i> , <b>2018</b> , 235, 482-488	9.3	65
46	Detection and attribution of nitrogen runoff trend in China's croplands. <i>Environmental Pollution</i> , <b>2018</b> , 234, 270-278	9.3	30
45	Reactive nitrogen spatial intensity (NrSI): A new indicator for environmental sustainability. <i>Global Environmental Change</i> , <b>2018</b> , 52, 101-107	10.1	19

44	Chinese cropping systems are a net source of greenhouse gases despite soil carbon sequestration. <i>Global Change Biology</i> , <b>2018</b> , 24, 5590-5606	11.4	40
43	The nitrogen footprint for an Australian university: Institutional change for corporate sustainability. <i>Journal of Cleaner Production</i> , <b>2018</b> , 197, 534-541	10.3	12
42	Policy distortions, farm size, and the overuse of agricultural chemicals in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 7010-7015	11.5	243
41	Spatial-temporal patterns of inorganic nitrogen air concentrations and deposition in eastern China. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 10931-10954	6.8	48
40	Virtual nitrogen factors and nitrogen footprints associated with nitrogen loss and food wastage of China's main food crops. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 014017	6.2	15
39	Nitrogen application rates need to be reduced for half of the rice paddy fields in China. <i>Agriculture, Ecosystems and Environment</i> , <b>2018</b> , 265, 8-14	5.7	36
38	Nitrogen use efficiencies in Chinese agricultural systems and implications for food security and environmental protection. <i>Regional Environmental Change</i> , <b>2017</b> , 17, 1217-1227	4.3	44
37	Non-linear increase of respiratory diseases and their costs under severe air pollution. <i>Environmental Pollution</i> , <b>2017</b> , 224, 631-637	9.3	17
36	Water use efficiency in response to interannual variations in flux-based photosynthetic onset in temperate deciduous broadleaf forests. <i>Ecological Indicators</i> , <b>2017</b> , 79, 122-127	5.8	13
35	Ammonia Emissions May Be Substantially Underestimated in China. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12089-12096	10.3	98
34	Land use mediates riverine nitrogen export under the dominant influence of human activities. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 094018	6.2	14
33	Nitrogen footprints: Regional realities and options to reduce nitrogen loss to the environment. <i>Ambio</i> , <b>2017</b> , 46, 129-142	6.5	70
32	Reducing China's fertilizer use by increasing farm size. <i>Global Environmental Change</i> , <b>2016</b> , 41, 26-32	10.1	154
31	PM pollution is substantially affected by ammonia emissions in China. <i>Environmental Pollution</i> , <b>2016</b> , 218, 86-94	9.3	131
30	Beef and coal are key drivers of Australia's high nitrogen footprint. <i>Scientific Reports</i> , <b>2016</b> , 6, 39644	4.9	39
29	Significant accumulation of nitrate in Chinese semi-humid croplands. <i>Scientific Reports</i> , <b>2016</b> , 6, 25088	4.9	102
28	Characterization of haze episodes and factors contributing to their formation using a panel model. <i>Chemosphere</i> , <b>2016</b> , 149, 320-7	8.4	12
27	Socioeconomic constraints on the technological choices in rural sewage treatment. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 20360-20367	5.1	16

26	Agricultural carbon flux changes driven by intensive plastic greenhouse cultivation in five climatic regions of China. <i>Journal of Cleaner Production</i> , <b>2015</b> , 95, 265-272	10.3	11
25	Integrated reactive nitrogen budgets and future trends in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8792-7	11.5	283
24	Urban rivers as hotspots of regional nitrogen pollution. <i>Environmental Pollution</i> , <b>2015</b> , 205, 139-44	9.3	70
23	Positive effects of plant diversity on nitrogen removal in microcosms of constructed wetlands with high ammonium loading. <i>Ecological Engineering</i> , <b>2015</b> , 82, 614-623	3.9	30
22	Plant species richness enhances nitrous oxide emissions in microcosms of constructed wetlands. <i>Ecological Engineering</i> , <b>2014</b> , 64, 108-115	3.9	34
21	Role of management strategies and environmental factors in determining the emissions of biogenic volatile organic compounds from urban greenspaces. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6237-46	10.3	14
20	Agricultural ammonia emissions contribute to China's urban air pollution. <i>Frontiers in Ecology and the Environment</i> , <b>2014</b> , 12, 265-266	5.5	79
19	Nitrate in groundwater of China: Sources and driving forces. <i>Global Environmental Change</i> , <b>2013</b> , 23, 1112-1121	11.2	1209
18	Rapid growth of industrial nitrogen fluxes in China: Driving forces and consequences. <i>Science China Earth Sciences</i> , <b>2013</b> , 56, 662-670	4.6	13
17	Nitrogen footprint in China: food, energy, and nonfood goods. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 9217-24	10.3	97
16	The effects of plant diversity on nitrous oxide emissions in hydroponic microcosms. <i>Atmospheric Environment</i> , <b>2013</b> , 77, 544-547	5.3	29
15	Assessment of private economic benefits and positive environmental externalities of tea plantation in China. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 8501-16	3.1	19
14	Does growing vegetables in plastic greenhouses enhance regional ecosystem services beyond the food supply?. <i>Frontiers in Ecology and the Environment</i> , <b>2013</b> , 11, 43-49	5.5	77
13	The role of industrial nitrogen in the global nitrogen biogeochemical cycle. <i>Scientific Reports</i> , <b>2013</b> , 3, 2579	4.9	49
12	Atmospheric reactive nitrogen in China: sources, recent trends, and damage costs. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 9420-7	10.3	160
11	The long-term impact of urbanization on nitrogen patterns and dynamics in Shanghai, China. <i>Environmental Pollution</i> , <b>2012</b> , 171, 30-7	9.3	66
10	Constructed wetlands as biofuel production systems. <i>Nature Climate Change</i> , <b>2012</b> , 2, 190-194	21.4	73
9	Utilization of waste nitrogen for biofuel production in China. <i>Renewable and Sustainable Energy Reviews</i> , <b>2011</b> , 15, 4910-4916	16.2	13

8	Assessment of net ecosystem services of plastic greenhouse vegetable cultivation in China. <i>Ecological Economics</i> , <b>2011</b> , 70, 740-748	5.6	76
7	Weak indirect effects inherent to nitrogen biogeochemical cycling within anthropogenic ecosystems: A network environ analysis. <i>Ecological Modelling</i> , <b>2011</b> , 222, 3277-3284	3	10
6	Quantification of net carbon flux from plastic greenhouse vegetable cultivation: a full carbon cycle analysis. <i>Environmental Pollution</i> , <b>2011</b> , 159, 1427-34	9.3	15
5	Quantifying carbon storage for tea plantations in China. <i>Agriculture, Ecosystems and Environment</i> , <b>2011</b> , 141, 390-398	5.7	46
4	NCNA: Integrated platform for constructing, visualizing, analyzing and sharing human-mediated nitrogen biogeochemical networks. <i>Environmental Modelling and Software</i> , <b>2011</b> , 26, 678-679	5.2	8
3	The role of technology and policy in mitigating regional nitrogen pollution. <i>Environmental Research Letters</i> , <b>2011</b> , 6, 014011	6.2	24
2	Anthropogenic modification of the nitrogen cycling within the Greater Hangzhou Area system, China <b>2009</b> , 19, 974-88		32
1	Establishing long-term nitrogen response of global cereals to assess sustainable fertilizer rates. <i>Nature Food</i> ,	14.4	1