

Enzai Du

List of Publications by Year in descending order

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63
papers

3,674
citations

201674

27
h-index

161849

54
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78
all docs

78
docs citations

78
times ranked

3629
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen deposition and its ecological impact in China: An overview. <i>Environmental Pollution</i> , 2011, 159, 2251-2264.	7.5	652
2	Global patterns of terrestrial nitrogen and phosphorus limitation. <i>Nature Geoscience</i> , 2020, 13, 221-226.	12.9	541
3	Quantifying atmospheric nitrogen deposition through a nationwide monitoring network across China. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 12345-12360.	4.9	324
4	Short and long-term impacts of nitrogen deposition on carbon sequestration by forest ecosystems. <i>Current Opinion in Environmental Sustainability</i> , 2014, 9-10, 90-104.	6.3	170
5	Changes in wet nitrogen deposition in the United States between 1985 and 2012. <i>Environmental Research Letters</i> , 2014, 9, 095004.	5.2	130
6	Phosphorus accumulates faster than nitrogen globally in freshwater ecosystems under anthropogenic impacts. <i>Ecology Letters</i> , 2016, 19, 1237-1246.	6.4	129
7	Responses of forest ecosystems to increasing N deposition in China: A critical review. <i>Environmental Pollution</i> , 2018, 243, 75-86.	7.5	99
8	Imbalanced phosphorus and nitrogen deposition in China's forests. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8571-8579.	4.9	98
9	Direct effect of acid rain on leaf chlorophyll content of terrestrial plants in China. <i>Science of the Total Environment</i> , 2017, 605-606, 764-769.	8.0	93
10	Effects of nitrogen and phosphorus supply on growth rate, leaf stoichiometry, and nutrient resorption of <i>Arabidopsis thaliana</i> . <i>Plant and Soil</i> , 2015, 388, 147-155.	3.7	85
11	Spatial variation of modelled total, dry and wet nitrogen deposition to forests at global scale. <i>Environmental Pollution</i> , 2018, 243, 1287-1301.	7.5	83
12	Nitrogen-induced new net primary production and carbon sequestration in global forests. <i>Environmental Pollution</i> , 2018, 242, 1476-1487.	7.5	74
13	Inorganic nitrogen deposition in China's forests: Status and characteristics. <i>Atmospheric Environment</i> , 2014, 98, 474-482.	4.1	70
14	The contribution of atmospheric deposition and forest harvesting to forest soil acidification in China since 1980. <i>Atmospheric Environment</i> , 2016, 146, 215-222.	4.1	67
15	NEECF: a project of nutrient enrichment experiments in China's forests. <i>Journal of Plant Ecology</i> , 2013, 6, 428-435.	2.3	61
16	Atmospheric Nitrogen Emission, Deposition, and Air Quality Impacts in China: an Overview. <i>Current Pollution Reports</i> , 2017, 3, 65-77.	6.6	61
17	Effects of seven-year nitrogen and phosphorus additions on soil microbial community structures and residues in a tropical forest in Hainan Island, China. <i>Geoderma</i> , 2020, 361, 114034.	5.1	61
18	Rise and fall of nitrogen deposition in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3594-5.	7.1	56

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19	Retention of deposited ammonium and nitrate and its impact on the global forest carbon sink. <i>Nature Communications</i> , 2022, 13, 880.	12.8	55
20	Temperature and substrate availability regulate soil respiration in the tropical mountain rainforests, Hainan Island, China. <i>Journal of Plant Ecology</i> , 2013, 6, 325-334.	2.3	50
21	Plant sizes and shapes above and belowground and their interactions with climate. <i>New Phytologist</i> , 2022, 235, 1032-1056.	7.3	45
22	Linking belowground and aboveground phenology in two boreal forests in Northeast China. <i>Oecologia</i> , 2014, 176, 883-892.	2.0	44
23	Atmospheric nitrogen deposition to global forests: Status, impacts and management options. <i>Environmental Pollution</i> , 2019, 250, 1044-1048.	7.5	38
24	Family-level leaf nitrogen and phosphorus stoichiometry of global terrestrial plants. <i>Science China Life Sciences</i> , 2019, 62, 1047-1057.	4.9	35
25	Effects of nitrogen addition on microbial residues and their contribution to soil organic carbon in China's forests from tropical to boreal zone. <i>Environmental Pollution</i> , 2021, 268, 115941.	7.5	33
26	Strategic roadmap to assess forest vulnerability under air pollution and climate change. <i>Global Change Biology</i> , 2022, 28, 5062-5085.	9.5	31
27	Liu et al. suspect that Zhu et al. (2015) may have underestimated dissolved organic nitrogen (N) but overestimated total particulate N in wet deposition in China. <i>Science of the Total Environment</i> , 2015, 520, 300-301.	8.0	29
28	Nonlinear responses of ecosystem carbon fluxes to nitrogen deposition in an old-growth boreal forest. <i>Ecology Letters</i> , 2022, 25, 77-88.	6.4	29
29	Reduced nitrogen dominated nitrogen deposition in the United States, but its contribution to nitrogen deposition in China decreased. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3590-1.	7.1	27
30	Non-linear direct effects of acid rain on leaf photosynthetic rate of terrestrial plants. <i>Environmental Pollution</i> , 2017, 231, 1442-1445.	7.5	26
31	Effects of nitrogen addition on soil methane uptake in global forest biomes. <i>Environmental Pollution</i> , 2020, 264, 114751.	7.5	24
32	Bulk deposition of base cationic nutrients in China's forests: Annual rates and spatial characteristics. <i>Atmospheric Environment</i> , 2018, 184, 121-128.	4.1	22
33	Responses of soil respiration to rainfall addition in a desert ecosystem: Linking physiological activities and rainfall pattern. <i>Science of the Total Environment</i> , 2019, 650, 3007-3016.	8.0	22
34	Asynchronous responses of soil carbon dioxide, nitrous oxide emissions and net nitrogen mineralization to enhanced fine root input. <i>Soil Biology and Biochemistry</i> , 2016, 92, 67-78.	8.8	21
35	Integrating species composition and leaf nitrogen content to indicate effects of nitrogen deposition. <i>Environmental Pollution</i> , 2017, 221, 392-397.	7.5	21
36	Spatially divergent trends of nitrogen versus phosphorus limitation across European forests. <i>Science of the Total Environment</i> , 2021, 771, 145391.	8.0	21

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37	Weak growth response to nitrogen deposition in an old-growth boreal forest. <i>Ecosphere</i> , 2014, 5, 1-9.	2.2	20
38	Effects of nitrogen additions on biomass, stoichiometry and nutrient pools of moss <i>Rhytidium rugosum</i> in a boreal forest in Northeast China. <i>Environmental Pollution</i> , 2014, 188, 166-171.	7.5	20
39	A synthesis of ecosystem management strategies for forests in the face of chronic nitrogen deposition. <i>Environmental Pollution</i> , 2019, 248, 1046-1058.	7.5	19
40	The diurnal cycle of summer tropospheric ozone concentrations across Chinese cities: Spatial patterns and main drivers. <i>Environmental Pollution</i> , 2021, 286, 117547.	7.5	18
41	Long term effect of nitrogen addition on understory community in a Chinese boreal forest. <i>Science of the Total Environment</i> , 2019, 646, 989-995.	8.0	17
42	Enhanced atmospheric phosphorus deposition in Asia and Europe in the past two decades. <i>Atmospheric and Oceanic Science Letters</i> , 2021, 14, 100051.	1.3	16
43	High-level nitrogen additions accelerate soil respiration reduction over time in a boreal forest. <i>Ecology Letters</i> , 2022, 25, 1869-1878.	6.4	15
44	Diverse responses of radial growth to climate across the southern part of the Asian boreal forests in northeast China. <i>Forest Ecology and Management</i> , 2020, 458, 117759.	3.2	13
45	Progress in Monitoring and Modelling Estimates of Nitrogen Deposition at Local, Regional and Global Scales. , 2014, , 7-22.		13
46	A database of annual atmospheric acid and nutrient deposition to China's forests. <i>Scientific Data</i> , 2018, 5, 180223.	5.3	11
47	Anthropogenic and climatic shaping of soil nitrogen properties across urban-rural-natural forests in the Beijing metropolitan region. <i>Geoderma</i> , 2022, 406, 115524.	5.1	11
48	Effects of nitrogen addition on leaf nutrient stoichiometry in an old-growth boreal forest. <i>Ecosphere</i> , 2021, 12, e03335.	2.2	10
49	High Rates of Wet Nitrogen Deposition in China: A Synthesis. , 2014, , 49-56.		9
50	Distinct Climate Effects on Dahurian Larch Growth at an Asian Temperate-Boreal Forest Ecotone and Nearby Boreal Sites. <i>Forests</i> , 2022, 13, 27.	2.1	7
51	Uncertain effects of nutrient availability on global forest carbon balance. <i>Nature Climate Change</i> , 2015, 5, 958-959.	18.8	5
52	Evidence of soil nutrient availability as the proximate constraint on growth of treeline trees in northwest Alaska: comment. <i>Ecology</i> , 2016, 97, 801-803.	3.2	5
53	Impacts of Nitrogen Deposition on Forest Ecosystems in China. , 2020, , 185-213.		5
54	Urban soil phosphorus hotspot and its imprint on tree leaf phosphorus concentrations in the Beijing region. <i>Plant and Soil</i> , 2022, 477, 425-437.	3.7	5

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55	Climate Control of Topsoil Potassium, Calcium, and Magnesium Concentrations in Urban Forests Across Eastern China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006230.	3.0	4
56	Letter to the editor: Critical assessments of the current state of scientific knowledge, terminology, and research needs concerning the ecological effects of elevated atmospheric nitrogen deposition in China. <i>Atmospheric Environment</i> , 2017, 153, 109-116.	4.1	3
57	Progress in Nitrogen Deposition Monitoring and Modelling. , 2014, , 455-463.		3
58	An Overview of Atmospheric Reactive Nitrogen in China from a Global Perspective. , 2020, , 1-10.		3
59	Comparison of the Variation of Soil Respiration in Carbon Cycle in Temperate and Subtropical Forests and the Relationship with Climatic Variables. <i>Polish Journal of Ecology</i> , 2015, 63, 365-376.	0.2	2
60	Monitoring Atmospheric Nitrogen Deposition in China. , 2020, , 41-65.		2
61	Effects of Nitrogen Deposition on Forest Ecosystems. , 2022, , 1-23.		2
62	Nitrogen Deposition to China's Coastal Seas: Status and Ecological Impacts. , 2020, , 295-302.		1
63	Virtual Special Issue Preface: Forest Response to Environmental Stress: Impacts and Adaptation. <i>Science of the Total Environment</i> , 2017, 607-608, 647-648.	8.0	0