

Mianhai Zheng

List of Publications by Year in Descending Order

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

88

papers

4,611

citations

35

h-index

67

g-index

91

ext. papers

5,709

ext. citations

6.4

avg, IF

5.52

L-index

#	Paper	IF	Citations
88	Microbial assembly adapted to low-P soils in three subtropical forests by increasing the maximum rate of substrate conversion of acid phosphatases but not by decreasing the half-saturation constant. <i>European Journal of Soil Biology</i> , 2022 , 108, 103377	2.9	1
87	Divergent responses of soil microbial functional groups to long-term high nitrogen presence in the tropical forests.. <i>Science of the Total Environment</i> , 2022 , 153251	10.2	0
86	Nitrogen addition promotes soil microbial beta diversity and the stochastic assembly. <i>Science of the Total Environment</i> , 2022 , 806, 150569	10.2	0
85	Unexpected high retention of N-labeled nitrogen in a tropical legume forest under long-term nitrogen enrichment. <i>Global Change Biology</i> , 2021 , 28, 1529	11.4	0
84	Long-Term Nitrogen Addition Decreases Soil Carbon Mineralization in an N-Rich Primary Tropical Forest. <i>Forests</i> , 2021 , 12, 734	2.8	3
83	Leaf hydraulic acclimation to nitrogen addition of two dominant tree species in a subtropical forest. <i>Science of the Total Environment</i> , 2021 , 771, 145415	10.2	0
82	Effect of Long-Term Nitrogen and Phosphorus Additions on Understory Plant Nutrients in a Primary Tropical Forest. <i>Forests</i> , 2021 , 12, 803	2.8	0
81	Mycorrhizal fungi and phosphatase involvement in rhizosphere phosphorus transformations improves plant nutrition during subtropical forest succession. <i>Soil Biology and Biochemistry</i> , 2021 , 153, 108099	7.5	9
80	13-year nitrogen addition increases nonstructural carbon pools in subtropical forest trees in southern China. <i>Forest Ecology and Management</i> , 2021 , 481, 118748	3.9	3
79	Retention and partitioning of ¹⁵ N-labeled deposited N in a tropical plantation forest. <i>Biogeochemistry</i> , 2021 , 152, 237-251	3.8	1
78	Adaptation of Soil Fungal Community Structure and Assembly to Long- Versus Short-Term Nitrogen Addition in a Tropical Forest. <i>Frontiers in Microbiology</i> , 2021 , 12, 689674	5.7	2
77	Soil phosphorus availability affects diazotroph communities during vegetation succession in lowland subtropical forests. <i>Applied Soil Ecology</i> , 2021 , 166, 104009	5	4
76	Negative effects of long-term phosphorus additions on understory plants in a primary tropical forest. <i>Science of the Total Environment</i> , 2021 , 798, 149306	10.2	1
75	Global response patterns of plant photosynthesis to nitrogen addition: A meta-analysis. <i>Global Change Biology</i> , 2020 , 26, 3585-3600	11.4	50
74	Responses of Foliar Nutrient Status and Stoichiometry to Nitrogen Addition in Different Ecosystems: A Meta-analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2019JG005347	3.7	13
73	Divergent effects of a 6-year warming experiment on the nutrient productivities of subtropical tree species. <i>Forest Ecology and Management</i> , 2020 , 461, 117952	3.9	5
72	Effects of 14-year continuous nitrogen addition on soil arylsulfatase and phosphodiesterase activities in a mature tropical forest. <i>Global Ecology and Conservation</i> , 2020 , 22, e00934	2.8	2

71	Responses of soil microbial resource limitation to multiple fertilization strategies. <i>Soil and Tillage Research</i> , 2020 , 196, 104474	6.5	22
70	Divergent responses of soil organic carbon accumulation to 14 years of nitrogen addition in two typical subtropical forests. <i>Science of the Total Environment</i> , 2020 , 707, 136104	10.2	7
69	Substrate stoichiometry determines nitrogen fixation throughout succession in southern Chinese forests. <i>Ecology Letters</i> , 2020 , 23, 336-347	10	23
68	Effects of human disturbance activities and environmental change factors on terrestrial nitrogen fixation. <i>Global Change Biology</i> , 2020 , 26, 6203-6217	11.4	13
67	Long-term effects of 7-year warming experiment in the field on leaf hydraulic and economic traits of subtropical tree species. <i>Global Change Biology</i> , 2020 , 26, 7144-7157	11.4	2
66	The responses of carbon- and nitrogen-acquiring enzymes to nitrogen and phosphorus additions in two plantations in southern China. <i>Journal of Forestry Research</i> , 2020 , 31, 1319-1324	2	1
65	Long-term phosphorus addition downregulates microbial investments on enzyme productions in a mature tropical forest. <i>Journal of Soils and Sediments</i> , 2020 , 20, 921-930	3.4	4
64	Data of ecoenzyme activities in throughfall and rainfall samples taken at five subtropical forests in southern China. <i>Data in Brief</i> , 2019 , 26, 103906	1.2	1
63	Global pattern and controls of biological nitrogen fixation under nutrient enrichment: A meta-analysis. <i>Global Change Biology</i> , 2019 , 25, 3018-3030	11.4	60
62	Cropland conversion changes the status of microbial resource limitation in degraded karst soil. <i>Geoderma</i> , 2019 , 352, 197-203	6.7	8
61	Effects of urbanization on plant phosphorus availability in broadleaf and needleleaf subtropical forests. <i>Science of the Total Environment</i> , 2019 , 684, 50-57	10.2	7
60	Sulfur deposition still contributes to forest soil acidification in the Pearl River Delta, South China, despite the control of sulfur dioxide emission since 2001. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 12928-12939	5.1	8
59	A potential source of soil ecoenzymes: From the phyllosphere to soil via throughfall. <i>Applied Soil Ecology</i> , 2019 , 139, 25-28	5	4
58	Long-term nitrogen addition modifies microbial composition and functions for slow carbon cycling and increased sequestration in tropical forest soil. <i>Global Change Biology</i> , 2019 , 25, 3267-3281	11.4	48
57	Topography Modulates Effects of Nitrogen Deposition on Asymbiotic N ₂ Fixation in Soil but not Litter or Moss in a Secondary Karst Forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 3015-3023	3.7	3
56	Effects of phosphorus and nitrogen fertilization on soil arylsulfatase activity and sulfur availability of two tropical plantations in southern China. <i>Forest Ecology and Management</i> , 2019 , 453, 117613	3.9	5
55	The Inhibitory Effects of Nitrogen Deposition on Asymbiotic Nitrogen Fixation are Divergent Between a Tropical and a Temperate Forest. <i>Ecosystems</i> , 2019 , 22, 955-967	3.9	5
54	Effect of nitrogen addition on DOC leaching and chemical exchanges on canopy leaves in Guangdong Province, China. <i>Journal of Forestry Research</i> , 2019 , 30, 1707-1713	2	3

53	Effects of long-term nitrogen deposition on phosphorus leaching dynamics in a mature tropical forest. <i>Biogeochemistry</i> , 2018 , 138, 215-224	3.8	18
52	Responses of soil phosphorus availability to nitrogen addition in a legume and a non-legume plantation. <i>Geoderma</i> , 2018 , 322, 12-18	6.7	25
51	Plant acclimation to long-term high nitrogen deposition in an N-rich tropical forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5187-5192	11.5	90
50	Responses of soil microbial community to continuous experimental nitrogen additions for 13 years in a nitrogen-rich tropical forest. <i>Soil Biology and Biochemistry</i> , 2018 , 121, 103-112	7.5	92
49	Effects of simulated N deposition on foliar nutrient status, N metabolism and photosynthetic capacity of three dominant understory plant species in a mature tropical forest. <i>Science of the Total Environment</i> , 2018 , 610-611, 555-562	10.2	37
48	Stoichiometry controls asymbiotic nitrogen fixation and its response to nitrogen inputs in a nitrogen-saturated forest. <i>Ecology</i> , 2018 , 99, 2037-2046	4.6	23
47	Nitrogen addition reduces soil bacterial richness, while phosphorus addition alters community composition in an old-growth N-rich tropical forest in southern China. <i>Soil Biology and Biochemistry</i> , 2018 , 127, 22-30	7.5	28
46	Different responses of asymbiotic nitrogen fixation to nitrogen addition between disturbed and rehabilitated subtropical forests. <i>Science of the Total Environment</i> , 2017 , 601-602, 1505-1512	10.2	26
45	Patterns and mechanisms of responses by soil microbial communities to nitrogen addition. <i>Soil Biology and Biochemistry</i> , 2017 , 115, 433-441	7.5	155
44	Effects of long-term nitrogen and phosphorus additions on soil acidification in an N-rich tropical forest. <i>Geoderma</i> , 2017 , 285, 57-63	6.7	64
43	Effects of phosphorus addition with and without nitrogen addition on biological nitrogen fixation in tropical legume and non-legume tree plantations. <i>Biogeochemistry</i> , 2016 , 131, 65-76	3.8	32
42	Biological nitrogen fixation and its response to nitrogen input in two mature tropical plantations with and without legume trees. <i>Biology and Fertility of Soils</i> , 2016 , 52, 665-674	6.1	25
41	Effects of nitrogen addition on litter decomposition and nutrient release in two tropical plantations with N ₂ -fixing vs. non-N ₂ -fixing tree species. <i>Plant and Soil</i> , 2016 , 399, 61-74	4.2	33
40	Effects of nitrogen and phosphorus additions on nitrous oxide emission in a nitrogen-rich and two nitrogen-limited tropical forests. <i>Biogeosciences</i> , 2016 , 13, 3503-3517	4.6	15
39	High retention of N-labeled nitrogen deposition in a nitrogen saturated old-growth tropical forest. <i>Global Change Biology</i> , 2016 , 22, 3608-3620	11.4	44
38	Nitrogen saturation in humid tropical forests after 6 years of nitrogen and phosphorus addition: hypothesis testing. <i>Functional Ecology</i> , 2016 , 30, 305-313	5.6	43
37	Effects of nitrogen and phosphorus additions on soil methane uptake in disturbed forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 3089-3100	3.7	9
36	Effects of nitrogen deposition on carbon cycle in terrestrial ecosystems of China: A meta-analysis. <i>Environmental Pollution</i> , 2015 , 206, 352-60	9.3	71

35	CAN Canopy Addition of Nitrogen Better Illustrate the Effect of Atmospheric Nitrogen Deposition on Forest Ecosystem?. <i>Scientific Reports</i> , 2015 , 5, 11245	4.9	60
34	Divergent responses of soil buffering capacity to long-term N deposition in three typical tropical forests with different land-use history. <i>Environmental Science & Technology</i> , 2015 , 49, 4072-80	10.3	67
33	Responses of soil acid phosphatase and beta-glucosidase to nitrogen and phosphorus addition in two subtropical forests in southern China. <i>European Journal of Soil Biology</i> , 2015 , 68, 77-84	2.9	46
32	Effects of nitrogen and phosphorus additions on soil microbial biomass and community structure in two reforested tropical forests. <i>Scientific Reports</i> , 2015 , 5, 14378	4.9	41
31	Phosphate addition enhanced soil inorganic nutrients to a large extent in three tropical forests. <i>Scientific Reports</i> , 2015 , 5, 7923	4.9	14
30	Urbanization in China drives soil acidification of <i>Pinus massoniana</i> forests. <i>Scientific Reports</i> , 2015 , 5, 13512	4.9	11
29	Urbanization in China changes the composition and main sources of wet inorganic nitrogen deposition. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 6526-34	5.1	27
28	Nitrogen deposition contributes to soil acidification in tropical ecosystems. <i>Global Change Biology</i> , 2014 , 20, 3790-801	11.4	270
27	Methane uptake in forest soils along an urban-to-rural gradient in Pearl River Delta, South China. <i>Scientific Reports</i> , 2014 , 4, 5120	4.9	9
26	Research on acidification in forest soil driven by atmospheric nitrogen deposition. <i>Acta Ecologica Sinica</i> , 2014 , 34, 302-310	2.7	19
25	Effects of experimental nitrogen and phosphorus addition on litter decomposition in an old-growth tropical forest. <i>PLoS ONE</i> , 2013 , 8, e84101	3.7	43
24	Interactive effects of nitrogen and phosphorus on soil microbial communities in a tropical forest. <i>PLoS ONE</i> , 2013 , 8, e61188	3.7	83
23	Nutrient limitation in three lowland tropical forests in southern China receiving high nitrogen deposition: insights from fine root responses to nutrient additions. <i>PLoS ONE</i> , 2013 , 8, e82661	3.7	35
22	Effects of phosphorus addition on soil microbial biomass and community composition in three forest types in tropical China. <i>Soil Biology and Biochemistry</i> , 2012 , 44, 31-38	7.5	290
21	The ^{15}N natural abundance of the N lost from an N-saturated subtropical forest in southern China. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		33
20	Large difference of inhibitive effect of nitrogen deposition on soil methane oxidation between plantations with N-fixing tree species and non-N-fixing tree species. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		26
19	Nitrogen deposition and forest nitrogen cycling along an urban-rural transect in southern China. <i>Global Change Biology</i> , 2011 , 17, 872-885	11.4	150
18	Nitrogen deposition and its ecological impact in China: an overview. <i>Environmental Pollution</i> , 2011 , 159, 2251-64	9.3	513

17	Effects of experimental nitrogen additions on plant diversity in an old-growth tropical forest. <i>Global Change Biology</i> , 2010 , 16, 2688-2700	11.4	186
16	Soil-atmosphere exchange of greenhouse gases in subtropical plantations of indigenous tree species. <i>Plant and Soil</i> , 2010 , 335, 213-227	4.2	22
15	Large Loss of Dissolved Organic Nitrogen from Nitrogen-Saturated Forests in Subtropical China. <i>Ecosystems</i> , 2009 , 12, 33-45	3.9	66
14	Effects of elevated nitrogen deposition on soil microbial biomass carbon in major subtropical forests of southern China. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009 , 4, 21-27		15
13	Nitrogen leaching in response to increased nitrogen inputs in subtropical monsoon forests in southern China. <i>Forest Ecology and Management</i> , 2009 , 257, 332-342	3.9	79
12	Nitrogen addition reduces soil respiration in a mature tropical forest in southern China. <i>Global Change Biology</i> , 2008 , 14, 403-412	11.4	306
11	Methane uptake responses to nitrogen deposition in three tropical forests in southern China. <i>Journal of Geophysical Research</i> , 2008 , 113,		50
10	Emissions of nitrous oxide from three tropical forests in Southern China in response to simulated nitrogen deposition. <i>Plant and Soil</i> , 2008 , 306, 221-236	4.2	89
9	Seedling growth response of two tropical tree species to nitrogen deposition in southern China. <i>European Journal of Forest Research</i> , 2008 , 127, 275-283	2.7	55
8	Response of nutrient dynamics of decomposing pine (<i>Pinus massoniana</i>) needles to simulated N deposition in a disturbed and a rehabilitated forest in tropical China. <i>Ecological Research</i> , 2007 , 22, 649-658	1.9	28
7	Response of soil respiration to simulated N deposition in a disturbed and a rehabilitated tropical forest in southern China. <i>Plant and Soil</i> , 2007 , 296, 125-135	4.2	62
6	Cumulative effects of nitrogen additions on litter decomposition in three tropical forests in southern China. <i>Plant and Soil</i> , 2007 , 297, 233-242	4.2	88
5	Old-growth forests can accumulate carbon in soils. <i>Science</i> , 2006 , 314, 1417	33.3	328
4	Response of Litter Decomposition to Simulated N Deposition in Disturbed, Rehabilitated and Mature Forests in Subtropical China. <i>Plant and Soil</i> , 2006 , 282, 135-151	4.2	186
3	Nitrogen availability in disturbed, rehabilitated and mature forests of tropical China. <i>Forest Ecology and Management</i> , 2003 , 175, 573-583	3.9	113
2	Structure and Organic Matter Dynamics of a Human-Impacted Pine Forest in a MAB Reserve of Subtropical China. <i>Biotropica</i> , 1995 , 27, 276	2.3	50
1	Characteristics of Dissolved Organic Matter and Dissolved Lignin Phenols in Tropical Forest Soil Solutions during Rainy Seasons and Their Responses to Nitrogen Deposition. <i>ACS Earth and Space Chemistry</i> ,	3.2	1