Enqing Hou

List of Publications by Year
in descending order

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Version: 2024-02-01

65 papers	3,677 citations	218677 26 h-index	144013 57 g-index
71 all docs	71 docs citations	71 times ranked	5833 citing authors

#	Article	IF	Citations
1	Decrease in soil pH has greater effects than increase in aboveâ€ground carbon inputs on soil organic carbon in terrestrial ecosystems of China under nitrogen enrichment. Journal of Applied Ecology, 2022, 59, 768-778.	4.0	13
2	Nitrogen addition increases aboveground silicon and phytolith concentrations in understory plants of a tropical forest. Plant and Soil, 2022, 477, 25-39.	3.7	4
3	Acidification of soil due to forestation at the global scale. Forest Ecology and Management, 2022, 505, 119951.	3.2	12
4	Forest succession accelerates soil carbon accumulation by increasing recalcitrant carbon stock in subtropical forest topsoils. Catena, 2022, 212, 106030.	5.0	8
5	Warmer and wetter climate promotes net primary production in <scp>C₄</scp> grassland with additional enhancement by hay harvesting. Ecosphere, 2022, 13, .	2.2	2
6	Toward a Global Model for Soil Inorganic Phosphorus Dynamics: Dependence of Exchange Kinetics and Soil Bioavailability on Soil Physicochemical Properties. Global Biogeochemical Cycles, 2022, 36, .	4.9	16
7	Changes in the composition of soil microbial communities and their carbonâ€cycle genes following the conversion of primary broadleaf forests to plantations and secondary forests. Land Degradation and Development, 2022, 33, 974-985.	3.9	5
8	Spatial Patterns and Drivers of Soil Chemical Properties in Typical Hickory Plantations. Forests, 2022, 13, 457.	2.1	3
9	Phosphorus Supply Increases Nitrogen Transformation Rates and Retention in Soil: A Global Metaâ€Analysis. Earth's Future, 2022, 10, .	6.3	29
10	Effects of elevated CO2 concentration and nitrogen addition on the chemical compositions, construction cost and payback time of subtropical trees in Cd-contaminated mesocosm soil. Tree Physiology, 2022, 42, 1002-1015.	3.1	3
11	Divergent Drivers of Various Topsoil Phosphorus Fractions Across Tibetan Alpine Grasslands. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	6
12	Drivers of foliar <scp>¹⁵N</scp> trends in southern China over the last century. Global Change Biology, 2022, 28, 5441-5452.	9.5	7
13	Matrix Approach to Land Carbon Cycle Modeling. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	7
14	Sensitivity of soil organic matter to climate and fire in a desert grassland. Biogeochemistry, 2021, 156, 59-74.	3.5	7
15	Mycorrhizal fungi and phosphatase involvement in rhizosphere phosphorus transformations improves plant nutrition during subtropical forest succession. Soil Biology and Biochemistry, 2021, 153, 108099.	8.8	56
16	Addition of nitrogen to canopy versus understorey has different effects on leaf traits of understorey plants in a subtropical evergreen broadâ€leaved forest. Journal of Ecology, 2021, 109, 692-702.	4.0	19
17	Different effects of canopy and understory nitrogen addition on soil organic carbon and its related processes in a subtropical forest. Journal of Soils and Sediments, 2021, 21, 235-244.	3.0	7
18	Canopy mitigates the effects of nitrogen deposition on soil carbon-related processes in a subtropical forest. Science of the Total Environment, 2021, 757, 143847.	8.0	8

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19	Latitudinal patterns of terrestrial phosphorus limitation over the globe. Ecology Letters, 2021, 24, 1420-1431.	6.4	62
20	Nitrogen addition stimulates soil aggregation and enhances carbon storage in terrestrial ecosystems of China: A metaâ€analysis. Global Change Biology, 2021, 27, 2780-2792.	9.5	83
21	Fineâ€root functional trait responses to experimental warming: a global metaâ€analysis. New Phytologist, 2021, 230, 1856-1867.	7.3	59
22	Precipitation manipulation and terrestrial carbon cycling: The roles of treatment magnitude, experimental duration and local climate. Global Ecology and Biogeography, 2021, 30, 1909-1921.	5.8	20
23	Divergent responses of primary production to increasing precipitation variability in global drylands. Global Change Biology, 2021, 27, 5225-5237.	9.5	31
24	A model-independent data assimilation (MIDA) module and its applications in ecology. Geoscientific Model Development, 2021, 14, 5217-5238.	3.6	5
25	Benthic metabolism responses to environmental attributes at multiple scales and its linkage to algal community structure in streams. Hydrobiologia, 2021, 848, 5067-5085.	2.0	4
26	Country-level land carbon sink and its causing components by the middle of the twenty-first century. Ecological Processes, 2021, 10, 61.	3.9	5
27	Bedrock and climate jointly control the phosphorus status of subtropical forests along two elevational gradients. Catena, 2021, 206, 105525.	5.0	11
28	Warming reduces the production of a major annual forage crop on the Tibetan Plateau. Science of the Total Environment, 2021, 798, 149211.	8.0	7
29	Global patterns and drivers of soil total phosphorus concentration. Earth System Science Data, 2021, 13, 5831-5846.	9.9	60
30	Soil microbial biomass increases along elevational gradients in the tropics and subtropics but not elsewhere. Global Ecology and Biogeography, 2020, 29, 345-354.	5.8	30
31	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
32	The spatial patterns of litter turnover time in Chinese terrestrial ecosystems. European Journal of Soil Science, 2020, 71, 856-867.	3.9	14
33	Soil carbon dynamics in different types of subtropical forests as determined by density fractionation and stable isotope analysis. Forest Ecology and Management, 2020, 475, 118401.	3.2	12
34	Dynamics of carbon, nitrogen, and phosphorus stocks and stoichiometry resulting from conversion of primary broadleaf forest to plantation and secondary forest in subtropical China. Catena, 2020, 193, 104606.	5.0	36
35	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. Global Change Biology, 2020, 26, 3336-3355.	9.5	50
36	Global meta-analysis shows pervasive phosphorus limitation of aboveground plant production in natural terrestrial ecosystems. Nature Communications, 2020, 11, 637.	12.8	310

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37	Quantifying Soil Phosphorus Dynamics: A Data Assimilation Approach. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2159-2173.	3.0	19
38	Effects of forest conversion on carbon-degrading enzyme activities in subtropical China. Science of the Total Environment, 2019, 696, 133968.	8.0	31
39	Negative effects of canopy N addition on soil organic carbon in wet season are primarily detected in uppermost soils of a subtropical forest. Global Ecology and Conservation, 2019, 17, e00543.	2.1	4
40	Effects of elevated atmospheric CO2 and nitrogen deposition on leaf litter and soil carbon degrading enzyme activities in a Cd-contaminated environment: A mesocosm study. Science of the Total Environment, 2019, 671, 157-164.	8.0	18
41	Manure acts as a better fertilizer for increasing crop yields than synthetic fertilizer does by improving soil fertility. Soil and Tillage Research, 2019, 189, 168-175.	5.6	241
42	Effects of long-term nitrogen deposition on phosphorus leaching dynamics in a mature tropical forest. Biogeochemistry, 2018, 138, 215-224.	3.5	40
43	Effects of climate on soil phosphorus cycle and availability in natural terrestrial ecosystems. Global Change Biology, 2018, 24, 3344-3356.	9.5	197
44	Plant acclimation to long-term high nitrogen deposition in an N-rich tropical forest. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5187-5192.	7.1	164
45	Organic phosphorus in the terrestrial environment: a perspective on the state of the art and future priorities. Plant and Soil, 2018, 427, 191-208.	3.7	145
46	Soil pH predominantly controls the forms of organic phosphorus in topsoils under natural broadleaved forests along a 2500 km latitudinal gradient. Geoderma, 2018, 315, 65-74.	5.1	68
47	Solubility of phosphorus in subtropical forest soils as influenced by low-molecular organic acids and key soil properties. Geoderma, 2018, 313, 172-180.	5.1	40
48	Seasonal drought may alter N availability but not water use efficiency of dominant trees in a subtropical forest. Global Ecology and Conservation, 2018, 16, e00475.	2.1	3
49	A global dataset of plant available and unavailable phosphorus in natural soils derived by Hedley method. Scientific Data, 2018, 5, 180166.	5.3	59
50	Dominant Trees in a Subtropical Forest Respond to Drought Mainly via Adjusting Tissue Soluble Sugar and Proline Content. Frontiers in Plant Science, 2017, 8, 802.	3.6	25
51	Altitudinal patterns and controls of plant and soil nutrient concentrations and stoichiometry in subtropical China. Scientific Reports, 2016, 6, 24261.	3.3	92
52	A structural equation model analysis of phosphorus transformations in global unfertilized and uncultivated soils. Global Biogeochemical Cycles, 2016, 30, 1300-1309.	4.9	66
53	Plant and soil Î´13C and Î´15N are linked to community biomass, litter production, and litter turnover rate in mature subtropical forests. Plant Ecology, 2015, 216, 859-872.	1.6	3
54	Soil Acidification and Heavy Metals in Urban Parks as Affected by Reconstruction Intensity in a Humid Subtropical Environment. Pedosphere, 2015, 25, 82-92.	4.0	23

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55	Phosphatase activity in relation to key litter and soil properties in mature subtropical forests in China. Science of the Total Environment, 2015, 515-516, 83-91.	8.0	52
56	Vertical Distribution of Soil Denitrifying Communities in a Wet Sclerophyll Forest under Long-Term Repeated Burning. Microbial Ecology, 2015, 70, 993-1003.	2.8	21
57	Soil phosphorus fractionation and nutrient dynamics along the Cooloola coastal dune chronosequence, southern Queensland, Australia. Geoderma, 2015, 257-258, 4-13.	5.1	57
58	Lipid-content-normalized polycyclic aromatic hydrocarbons (PAHs) in the xylem of conifers can indicate historical changes in regional airborne PAHs. Environmental Pollution, 2015, 196, 53-59.	7.5	11
59	Heavy Metal Contamination in Soils of Remnant Natural and Plantation Forests in an Urbanized Region of the Pearl River Delta, China. Forests, 2014, 5, 885-900.	2.1	7
60	Relationships of phosphorus fractions to organic carbon content in surface soils in mature subtropical forests, Dinghushan, China. Soil Research, 2014, 52, 55.	1.1	33
61	Soil environmental factors rather than denitrification gene abundance control N2O fluxes in a wet sclerophyll forest with different burning frequency. Soil Biology and Biochemistry, 2013, 57, 292-300.	8.8	77
62	Soil acidity and exchangeable cations in remnant natural and plantation forests in the urbanised Pearl River Delta, China. Soil Research, 2012, 50, 207.	1.1	12
63	Nutrient Limitation on Ecosystem Productivity and Processes of Mature and Old-Growth Subtropical Forests in China. PLoS ONE, 2012, 7, e52071.	2.5	32
64	Long-term tree growth rate, water use efficiency, and tree ring nitrogen isotope composition of Pinus massoniana L. in response to global climate change and local nitrogen deposition in Southern China. Journal of Soils and Sediments, 2010, 10, 1453-1465.	3.0	65
65	Homogeneity of Î´15N in needles of Masson pine (Pinus massoniana L.) was altered by air pollution. Environmental Pollution, 2010, 158, 1963-1967.	7.5	11