Huifeng Hu

List of Publications by Year
in descending order

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45 papers	3,217 citations	304743 22 h-index	243625 44 g-index
45 all docs	45 docs citations	45 times ranked	3296 citing authors

#	Article	IF	Citations
1	Effects of national ecological restoration projects on carbon sequestration in China from 2001 to 2010. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4039-4044.	7.1	486
2	Carbon pools in Chinaâ€™s terrestrial ecosystems: New estimates based on an intensive field survey. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4021-4026.	7.1	466
3	Rapid loss of lakes on the Mongolian Plateau. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2281-2286.	7.1	408
4	Patterns of plant carbon, nitrogen, and phosphorus concentration in relation to productivity in Chinaâ€™s terrestrial ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4033-4038.	7.1	227
5	Divergent accumulation of microbial necromass and plant lignin components in grassland soils. Nature Communications, 2018, 9, 3480.	12.8	192
6	Terrestrial carbon sinks in China and around the world and their contribution to carbon neutrality. Science China Life Sciences, 2022, 65, 861-895.	4.9	163
7	Spatio-temporal changes in biomass carbon sinks in Chinaâ€™s forests from 1977 to 2008. Science China Life Sciences, 2013, 56, 661-671.	4.9	120
8	Evidence for environmentally enhanced forest growth. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9527-9532.	7.1	116
9	Vegetation carbon sequestration in Chinese forests from 2010 to 2050. Global Change Biology, 2017, 23, 1575-1584.	9.5	90
10	Satellite-indicated long-term vegetation changes and their drivers on the Mongolian Plateau. Landscape Ecology, 2015, 30, 1599-1611.	4.2	88
11	Carbon stocks and changes of dead organic matter in China's forests. Nature Communications, 2017, 8, 151.	12.8	87
12	Climate and native grassland vegetation as drivers of the community structures of shrub-encroached grasslands in Inner Mongolia, China. Landscape Ecology, 2015, 30, 1627-1641.	4.2	71
13	Effects of shrub encroachment on soil organic carbon in global grasslands. Scientific Reports, 2016, 6, 28974.	3.3	65
14	Stoichiometric shifts in surface soils over broad geographical scales: evidence from <scp>C</scp>hina's grasslands. Global Ecology and Biogeography, 2014, 23, 947-955.	5.8	63
15	Changes in forest biomass carbon storage in the South Carolina Piedmont between 1936 and 2005. Forest Ecology and Management, 2008, 255, 1400-1408.	3.2	52
16	Family-level leaf nitrogen and phosphorus stoichiometry of global terrestrial plants. Science China Life Sciences, 2019, 62, 1047-1057.	4.9	35
17	The stage-classified matrix models project a significant increase in biomass carbon stocks in Chinaâ€™s forests between 2005 and 2050. Scientific Reports, 2015, 5, 11203.	3.3	34
18	Shrub encroachment increases soil carbon and nitrogen stocks in temperate grasslands in China. Land Degradation and Development, 2019, 30, 756-767.	3.9	33

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19	Soil N transformations and its controlling factors in temperate grasslands in China: A study from ¹⁵N tracing experiment to literature synthesis. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2949-2959.	3.0	30
20	Ecological consequences of shrub encroachment in the grasslands of northern China. Landscape Ecology, 2019, 34, 119-130.	4.2	30
21	Long-term vegetation changes in the four mega-sandy lands in Inner Mongolia, China. Landscape Ecology, 2015, 30, 1613-1626.	4.2	27
22	No significant changes in topsoil carbon in the grasslands of northern China between the 1980s and 2000s. Science of the Total Environment, 2018, 624, 1478-1487.	8.0	26
23	A global database of paired leaf nitrogen and phosphorus concentrations of terrestrial plants. Ecology, 2019, 100, e02812.	3.2	24
24	Contrasting Biogeographic Patterns of Bacterial and Archaeal Diversity in the Top- and Subsoils of Temperate Grasslands. MSystems, 2019, 4, .	3.8	24
25	Allometric Equations for Estimating the Above-Ground Biomass of Five Forest Tree Species in Khangai, Mongolia. Forests, 2019, 10, 661.	2.1	22
26	Relative Importance of Deterministic and Stochastic Processes on Soil Microbial Community Assembly in Temperate Grasslands. Microorganisms, 2021, 9, 1929.	3.6	22
27	Shrub encroachment decreases soil inorganic carbon stocks in Mongolian grasslands. Journal of Ecology, 2020, 108, 678-686.	4.0	20
28	Changes of soil organic matter stability along altitudinal gradients in Tibetan alpine grassland. Plant and Soil, 2021, 458, 21-40.	3.7	20
29	Dryland soils in northern China sequester carbon during the early 2000s warming hiatus period. Functional Ecology, 2018, 32, 1620-1630.	3.6	18
30	Yield and quality properties of silage maize and their influencing factors in China. Science China Life Sciences, 2022, 65, 1655-1666.	4.9	18
31	Comparing soil CO2 emission in pine plantation and oak shrub: dynamics and correlations. Ecological Research, 2006, 21, 840-848.	1.5	17
32	Restoring longleaf pine (Pinus palustris Mill.) in loblolly pine (Pinus taeda L.) stands: Effects of restoration treatments on natural loblolly pine regeneration. Forest Ecology and Management, 2011, 262, 1157-1167.	3.2	16
33	Silvicultural treatments for converting loblolly pine to longleaf pine dominance: Effects on planted longleaf pine seedlings. Forest Ecology and Management, 2012, 276, 209-216.	3.2	15
34	Effects of overstory retention, herbicides, and fertilization on sub-canopy vegetation structure and functional group composition in loblolly pine forests restored to longleaf pine. Forest Ecology and Management, 2014, 320, 149-160.	3.2	14
35	Effects of nitrogen addition on leaf nutrient stoichiometry in an oldâ€growth boreal forest. Ecosphere, 2021, 12, e03335.	2.2	10
36	Silvicultural treatments for converting loblolly pine to longleaf pine dominance: Effects on resource availability and their relationships with planted longleaf pine seedlings. Forest Ecology and Management, 2012, 282, 115-123.	3.2	9

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37	Using silvicultural practices to regulate competition, resource availability, and growing conditions for Pinus palustris seedlings underplanted in Pinus taeda forests. Canadian Journal of Forest Research, 2016, 46, 902-913.	1.7	8
38	Soil organic carbon components in inner Mongolian shrub-encroached grasslands. Plant and Soil, 2019, 442, 199-213.	3.7	8
39	Effects of shrub encroachment on soil aggregates and organic carbon vary in different grasslands in Inner Mongolia, China. Ecosphere, 2021, 12, e03363.	2.2	8
40	Global synthesis for the scaling of soil microbial nitrogen to phosphorus in terrestrial ecosystems. Environmental Research Letters, 2021, 16, 044034.	5.2	8
41	Accounting Carbon Storage in Decaying Root Systems of Harvested Forests. Ambio, 2012, 41, 284-291.	5.5	7
42	Drought impact on forest regeneration in the Southeast <scp>USA</scp>. Ecosphere, 2017, 8, e01772.	2.2	7
43	Relationships Between Soil Microbial Diversities Across an Aridity Gradient in Temperate Grasslands. Microbial Ecology, 2023, 85, 1013-1027.	2.8	7
44	Silvicultural treatments for converting loblolly pine to longleaf pine dominance: effects on ground layer and midstorey vegetation. Applied Vegetation Science, 2016, 19, 280-290.	1.9	4
45	Increased precipitation attenuates shrub encroachment by facilitating herbaceous growth in a Mongolian grassland. Functional Ecology, 0, , .	3.6	2