Zhanqing Hao

List of Publications by Year
in descending order

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90 papers	4,400 citations	101384 36 h-index	114278 63 g-index
95 all docs	95 docs citations	95 times ranked	5406 citing authors

#	Article	IF	Citations
1	Soil Stoichiometry Mediates Links Between Tree Functional Diversity and Soil Microbial Diversity in a Temperate Forest. Ecosystems, 2022, 25, 291-307.	1.6	12
2	Interannual climate variability has predominant effects on seedling survival in a temperate forest. Ecology, 2022, 103, e3643.	1.5	7
3	Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. Global Change Biology, 2022, 28, 2895-2909.	4.2	8
4	The Shift from Energy to Water Limitation in Local Canopy Height from Temperate to Tropical Forests in China. Forests, 2022, 13, 639.	0.9	1
5	Spatial Distribution and Species Association of Dominant Tree Species in Huangguan Plot of Qinling Mountains, China. Forests, 2022, 13, 866.	0.9	8
6	Mycorrhizal type influences plant density dependence and species richness across 15 temperate forests. Ecology, 2021, 102, e03259.	1.5	20
7	Context-dependency of tree species diversity, trait composition and stand structural attributes regulate temperate forest multifunctionality. Science of the Total Environment, 2021, 757, 143724.	3.9	19
8	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	1.9	122
9	Foundation species across a latitudinal gradient in China. Ecology, 2021, 102, e03234.	1.5	10
10	Few large trees, rather than plant diversity and composition, drive the above-ground biomass stock and dynamics of temperate forests in northeast China. Forest Ecology and Management, 2021, 481, 118698.	1.4	28
11	Divergent aboveâ€•and belowâ€ground biodiversity pathways mediate disturbance impacts on temperate forest multifunctionality. Global Change Biology, 2021, 27, 2883-2894.	4.2	30
12	Species packing and the latitudinal gradient in beta-diversity. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203045.	1.2	8
13	Interactions between all pairs of neighboring trees in 16 forests worldwide reveal details of unique ecological processes in each forest, and provide windows into their evolutionary histories. PLoS Computational Biology, 2021, 17, e1008853.	1.5	1
14	Consequences of spatial patterns for coexistence in species-rich plant communities. Nature Ecology and Evolution, 2021, 5, 965-973.	3.4	24
15	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. Nature Communications, 2021, 12, 3137.	5.8	28
16	Tree species diversity enhances plant-soil interactions in a temperate forest in northeast China. Forest Ecology and Management, 2021, 491, 119160.	1.4	10
17	Tree growth response to soil nutrients and neighborhood crowding varies between mycorrhizal types in an old-growth temperate forest. Oecologia, 2021, 197, 523-535.	0.9	5
18	Anthropogenic Disturbances Shape Soil Capillary and Saturated Water Retention Indirectly via Plant Functional Traits and Soil Organic Carbon in Temperate Forests. Forests, 2021, 12, 1588.	0.9	1

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19	Similarity between seed rain and neighbouring mature tree communities in an old-growth temperate forest. Journal of Forestry Research, 2020, 31, 2435-2444.	1.7	5
20	Temporal population variability in local forest communities has mixed effects on tree species richness across a latitudinal gradient. Ecology Letters, 2020, 23, 160-171.	3.0	11
21	Aboveâ€•and belowâ€ground biodiversity jointly regulate temperate forest multifunctionality along a localâ€scale environmental gradient. Journal of Ecology, 2020, 108, 2012-2024.	1.9	74
22	Tree species traits affect which natural enemies drive the Janzen-Connell effect in a temperate forest. Nature Communications, 2020, 11, 286.	5.8	78
23	Temporal stability of aboveground biomass is governed by species asynchrony in temperate forests. Ecological Indicators, 2019, 107, 105661.	2.6	23
24	Environmentâ€•and traitâ€mediated scaling of tree occupancy in forests worldwide. Global Ecology and Biogeography, 2019, 28, 1155-1167.	2.7	2
25	Deterministic processes drive functional and phylogenetic temporal changes of woody species in temperate forests in Northeast China. Annals of Forest Science, 2019, 76, 1.	0.8	10
26	Testing mechanisms of compensatory fitness of dioecy in a cosexual world. Journal of Vegetation Science, 2019, 30, 413-426.	1.1	2
27	Multiple abiotic and biotic pathways shape biomass demographic processes in temperate forests. Ecology, 2019, 100, e02650.	1.5	66
28	Tree mycorrhizal associations mediate soil fertility effects on forest community structure in a temperate forest. New Phytologist, 2019, 223, 475-486.	3.5	39
29	Intraspecific trait variation improves the detection of deterministic community assembly processes in early successional forests, but not in late successional forests. Journal of Plant Ecology, 2019, 12, 593-602.	1.2	8
30	Abiotic and biotic determinants of coarse woody productivity in temperate mixed forests. Science of the Total Environment, 2018, 630, 422-431.	3.9	49
31	Ecological drivers of spatial community dissimilarity, species replacement and species nestedness across temperate forests. Global Ecology and Biogeography, 2018, 27, 581-592.	2.7	48
32	Forest tree neighborhoods are structured more by negative conspecific density dependence than by interactions among closely related species. Ecography, 2018, 41, 1114-1123.	2.1	27
33	Global signal of top-down control of terrestrial plant communities by herbivores. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6237-6242.	3.3	90
34	Aboveground carbon storage is driven by functional trait composition and stand structural attributes rather than biodiversity in temperate mixed forests recovering from disturbances. Annals of Forest Science, 2018, 75, 1.	0.8	72
35	The role of breeding system in community dynamics: Growth and mortality in forests of different successional stages. Ecology and Evolution, 2018, 8, 7285-7296.	0.8	5
36	Global importance of largeâ€diameter trees. Global Ecology and Biogeography, 2018, 27, 849-864.	2.7	330

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37	The role of functional uniqueness and spatial aggregation in explaining rarity in trees. Global Ecology and Biogeography, 2017, 26, 777-786.	2.7	33
38	Variation and synchrony of tree species mast seeding in an oldâ€growth temperate forest. Journal of Vegetation Science, 2017, 28, 413-423.	1.1	16
39	Temporal coexistence mechanisms contribute to the latitudinal gradient in forest diversity. Nature, 2017, 550, 105-108.	13.7	106
40	Conspecific density dependence and community structure: Insights from 11Âyears of monitoring in an oldâ€growth temperate forest in Northeast China. Ecology and Evolution, 2017, 7, 5191-5200.	0.8	20
41	Pattern and dynamics of biomass stock in old growth forests: The role of habitat and tree size. Acta Oecologica, 2016, 75, 15-23.	0.5	15
42	Multiple metrics of diversity have different effects on temperate forest functioning over succession. Oecologia, 2016, 182, 1175-1185.	0.9	48
43	Local-scale determinants of elemental stoichiometry of soil in an old-growth temperate forest. Plant and Soil, 2016, 408, 401-414.	1.8	11
44	The effect of tree size, neighborhood competition and environment on tree growth in an old-growth temperate forest. Journal of Plant Ecology, 2016, , rtw126.	1.2	18
45	Scale-dependent effect of biotic interactions and environmental conditions in community assembly: insight from a large temperate forest plot. Plant Ecology, 2016, 217, 1003-1014.	0.7	5
46	Drivers of bacterial beta diversity in two temperate forests. Ecological Research, 2016, 31, 57-64.	0.7	17
47	Stochastic dilution effects weaken deterministic effects of nicheâ€based processes in species rich forests. Ecology, 2016, 97, 347-360.	1.5	42
48	Speciesâ€“habitat associations and demographic rates of forest trees. Ecography, 2016, 39, 9-16.	2.1	11
49	Closely-related taxa influence woody species discrimination via DNA barcoding: evidence from global forest dynamics plots. Scientific Reports, 2015, 5, 15127.	1.6	23
50	Aboveground-belowground biodiversity linkages differ in early and late successional temperate forests. Scientific Reports, 2015, 5, 12234.	1.6	20
51	Mechanisms underlying local functional and phylogenetic beta diversity in two temperate forests. Ecology, 2015, 96, 1062-1073.	1.5	42
52	<scp>CTFS</scp>â€<scp>Forest</scp><scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. Global Change Biology, 2015, 21, 528-549.	4.2	473
53	Dynamics of Two Multi-Stemmed Understory Shrubs in Two Temperate Forests. PLoS ONE, 2014, 9, e98200.	1.1	4
54	Comparative evolutionary diversity and phylogenetic structure across multiple forest dynamics plots: a mega-phylogeny approach. Frontiers in Genetics, 2014, 5, 358.	1.1	71

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55	Intra-annual variations in abundance and species composition of carabid beetles in a temperate forest in Northeast China. Journal of Insect Conservation, 2014, 18, 85-98.	0.8	10
56	Determinants of species abundance for eastern <scp>N</scp>orth <scp>A</scp>merican trees. Global Ecology and Biogeography, 2014, 23, 903-911.	2.7	13
57	Phylogenetic structure and phylogenetic diversity of angiosperm assemblages in forests along an elevational gradient in Changbaishan, China. Journal of Plant Ecology, 2014, 7, 154-165.	1.2	106
58	Local-scale drivers of multi-stemmed tree formation in Acer, in a temperate forest of Northeast China. Science Bulletin, 2014, 59, 320-325.	1.7	9
59	Soil bacterial communities of different natural forest types in Northeast China. Plant and Soil, 2014, 383, 203-216.	1.8	82
60	The contribution of understory light availability and biotic neighborhood to seedling survival in secondary versus old-growth temperate forest. Plant Ecology, 2014, 215, 795-807.	0.7	43
61	Reproductive traits and their correlation among woody plants in a broadleaf-Korean pine (<italic>Pinus koraiensis</italic>) mixed forest in Northeast China. Chinese Science Bulletin, 2014, 59, 2407-2415.	0.4	5
62	A general combined model to describe treeâ€diameter distributions within subtropical and temperate forest communities. Oikos, 2013, 122, 1636-1642.	1.2	22
63	Scaleâ€dependent relationships between tree species richness and ecosystem function in forests. Journal of Ecology, 2013, 101, 1214-1224.	1.9	265
64	Phylogenetic and functional diversity area relationships in two temperate forests. Ecography, 2013, 36, 883-893.	2.1	59
65	Soil organic carbon in an old-growth temperate forest: Spatial pattern, determinants and bias in its quantification. Geoderma, 2013, 195-196, 48-55.	2.3	40
66	Quantifying effects of habitat heterogeneity and other clustering processes on spatial distributions of tree species. Ecology, 2013, 94, 2436-2443.	1.5	63
67	Testing the independent speciesâ€™ arrangement assertion made by theories of stochastic geometry of biodiversity. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3312-3320.	1.2	72
68	Effects of local biotic neighbors and habitat heterogeneity on tree and shrub seedling survival in an old-growth temperate forest. Oecologia, 2012, 170, 755-765.	0.9	75
69	The Contribution of Rare Species to Community Phylogenetic Diversity across a Global Network of Forest Plots. American Naturalist, 2012, 180, E17-E30.	1.0	67
70	Local-Scale Drivers of Tree Survival in a Temperate Forest. PLoS ONE, 2012, 7, e29469.	1.1	52
71	Seed rain dynamics reveals strong dispersal limitation, different reproductive strategies and responses to climate in a temperate forest in northeast China. Journal of Vegetation Science, 2012, 23, 271-279.	1.1	31
72	What happens below the canopy? Direct and indirect influences of the dominant species on forest vertical layers. Oikos, 2012, 121, 1145-1153.	1.2	39

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73	The variation of tree beta diversity across a global network of forest plots. Global Ecology and Biogeography, 2012, 21, 1191-1202.	2.7	135
74	Effects of Soil Water and Nitrogen on Growth and Photosynthetic Response of Manchurian Ash (Fraxinus mandshurica) Seedlings in Northeastern China. PLoS ONE, 2012, 7, e30754.	1.1	45
75	Spatial patterns of tree species richness in two temperate forests. Journal of Ecology, 2011, 99, 1382-1393.	1.9	68
76	Scale specific determinants of tree diversity in an old growth temperate forest in China. Basic and Applied Ecology, 2011, 12, 488-495.	1.2	37
77	Species associations in an oldâ€growth temperate forest in northâ€eastern China. Journal of Ecology, 2010, 98, 674-686.	1.9	108
78	Spatial distributions of species in an old-growth temperate forest, northeastern China. Canadian Journal of Forest Research, 2010, 40, 1011-1019.	0.8	63
79	Tree size distributions in an oldâ€growth temperate forest. Oikos, 2009, 118, 25-36.	1.2	57
80	La survie des arbres dÃ©pend de la densitÃ© dans une ancienne forÃªt tempÃ©rÃ©e du nordest de la Chine. Annals of Forest Science, 2009, 66, 204-204.	0.8	30
81	Fine-scale species co-occurrence patterns in an old-growth temperate forest. Forest Ecology and Management, 2009, 257, 2115-2120.	1.4	31
82	Spatial variation of species diversity across scales in an oldâ€growth temperate forest of China. Ecological Research, 2008, 23, 709-717.	0.7	16
83	Spatial pattern of diversity in an old-growth temperate forest in Northeastern China. Acta Oecologica, 2008, 33, 345-354.	0.5	34
84	Valuing eco-assets: A note on valuation methods. International Journal of Sustainable Development and World Ecology, 2008, 15, 512-517.	3.2	1
85	Vertical structure and spatial associations of dominant tree species in an old-growth temperate forest. Forest Ecology and Management, 2007, 252, 1-11.	1.4	143
86	Estimate of productivity in ecosystem of the broad-leaved Korean pine mixed forest in Changbai Mountain. Science in China Series D: Earth Sciences, 2006, 49, 74-88.	0.9	5
87	Mapping forest fire risk zones with spatial data and principal component analysis. Science in China Series D: Earth Sciences, 2006, 49, 140-149.	0.9	27
88	Simulating forest ecosystem response to climate warming incorporating spatial effects in north-eastern China. Journal of Biogeography, 2005, 32, 2043-2056.	1.4	107
89	A simulation study of landscape scale forest succession in northeastern China. Ecological Modelling, 2002, 156, 153-166.	1.2	67
90	Title is missing!. Landscape Ecology, 1997, 12, 241-254.	1.9	112