

Zhanqing Hao

List of Publications by Year in descending order

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Version: 2024-02-01

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	<scp>CTFS</scp>â€™Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	4.2	473
2	Global importance of largeâ€™diameter trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 849-864.	2.7	330
3	Scaleâ€™dependent relationships between tree species richness and ecosystem function in forests. <i>Journal of Ecology</i> , 2013, 101, 1214-1224.	1.9	265
4	Vertical structure and spatial associations of dominant tree species in an old-growth temperate forest. <i>Forest Ecology and Management</i> , 2007, 252, 1-11.	1.4	143
5	The variation of tree beta diversity across a global network of forest plots. <i>Global Ecology and Biogeography</i> , 2012, 21, 1191-1202.	2.7	135
6	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. <i>Biological Conservation</i> , 2021, 253, 108907.	1.9	122
7	Title is missing!. <i>Landscape Ecology</i> , 1997, 12, 241-254.	1.9	112
8	Species associations in an oldâ€™growth temperate forest in northâ€™eastern China. <i>Journal of Ecology</i> , 2010, 98, 674-686.	1.9	108
9	Simulating forest ecosystem response to climate warming incorporating spatial effects in north-eastern China. <i>Journal of Biogeography</i> , 2005, 32, 2043-2056.	1.4	107
10	Phylogenetic structure and phylogenetic diversity of angiosperm assemblages in forests along an elevational gradient in Changbaishan, China. <i>Journal of Plant Ecology</i> , 2014, 7, 154-165.	1.2	106
11	Temporal coexistence mechanisms contribute to the latitudinal gradient in forest diversity. <i>Nature</i> , 2017, 550, 105-108.	13.7	106
12	Global signal of top-down control of terrestrial plant communities by herbivores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6237-6242.	3.3	90
13	Soil bacterial communities of different natural forest types in Northeast China. <i>Plant and Soil</i> , 2014, 383, 203-216.	1.8	82
14	Tree species traits affect which natural enemies drive the Janzen-Connell effect in a temperate forest. <i>Nature Communications</i> , 2020, 11, 286.	5.8	78
15	Effects of local biotic neighbors and habitat heterogeneity on tree and shrub seedling survival in an old-growth temperate forest. <i>Oecologia</i> , 2012, 170, 755-765.	0.9	75
16	Aboveâ€™and belowâ€™ground biodiversity jointly regulate temperate forest multifunctionality along a localâ€™scale environmental gradient. <i>Journal of Ecology</i> , 2020, 108, 2012-2024.	1.9	74
17	Testing the independent speciesâ€™ arrangement assertion made by theories of stochastic geometry of biodiversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3312-3320.	1.2	72
18	Aboveground carbon storage is driven by functional trait composition and stand structural attributes rather than biodiversity in temperate mixed forests recovering from disturbances. <i>Annals of Forest Science</i> , 2018, 75, 1.	0.8	72

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19	Comparative evolutionary diversity and phylogenetic structure across multiple forest dynamics plots: a mega-phylogeny approach. <i>Frontiers in Genetics</i> , 2014, 5, 358.	1.1	71
20	Spatial patterns of tree species richness in two temperate forests. <i>Journal of Ecology</i> , 2011, 99, 1382-1393.	1.9	68
21	A simulation study of landscape scale forest succession in northeastern China. <i>Ecological Modelling</i> , 2002, 156, 153-166.	1.2	67
22	The Contribution of Rare Species to Community Phylogenetic Diversity across a Global Network of Forest Plots. <i>American Naturalist</i> , 2012, 180, E17-E30.	1.0	67
23	Multiple abiotic and biotic pathways shape biomass demographic processes in temperate forests. <i>Ecology</i> , 2019, 100, e02650.	1.5	66
24	Spatial distributions of species in an old-growth temperate forest, northeastern China. <i>Canadian Journal of Forest Research</i> , 2010, 40, 1011-1019.	0.8	63
25	Quantifying effects of habitat heterogeneity and other clustering processes on spatial distributions of tree species. <i>Ecology</i> , 2013, 94, 2436-2443.	1.5	63
26	Phylogenetic and functional diversity area relationships in two temperate forests. <i>Ecography</i> , 2013, 36, 883-893.	2.1	59
27	Tree size distributions in an old-growth temperate forest. <i>Oikos</i> , 2009, 118, 25-36.	1.2	57
28	Local-Scale Drivers of Tree Survival in a Temperate Forest. <i>PLoS ONE</i> , 2012, 7, e29469.	1.1	52
29	Abiotic and biotic determinants of coarse woody productivity in temperate mixed forests. <i>Science of the Total Environment</i> , 2018, 630, 422-431.	3.9	49
30	Multiple metrics of diversity have different effects on temperate forest functioning over succession. <i>Oecologia</i> , 2016, 182, 1175-1185.	0.9	48
31	Ecological drivers of spatial community dissimilarity, species replacement and species nestedness across temperate forests. <i>Global Ecology and Biogeography</i> , 2018, 27, 581-592.	2.7	48
32	Effects of Soil Water and Nitrogen on Growth and Photosynthetic Response of Manchurian Ash (<i>Fraxinus mandshurica</i>) Seedlings in Northeastern China. <i>PLoS ONE</i> , 2012, 7, e30754.	1.1	45
33	The contribution of understory light availability and biotic neighborhood to seedling survival in secondary versus old-growth temperate forest. <i>Plant Ecology</i> , 2014, 215, 795-807.	0.7	43
34	Mechanisms underlying local functional and phylogenetic beta diversity in two temperate forests. <i>Ecology</i> , 2015, 96, 1062-1073.	1.5	42
35	Stochastic dilution effects weaken deterministic effects of niche-based processes in species rich forests. <i>Ecology</i> , 2016, 97, 347-360.	1.5	42
36	Soil organic carbon in an old-growth temperate forest: Spatial pattern, determinants and bias in its quantification. <i>Geoderma</i> , 2013, 195-196, 48-55.	2.3	40

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37	What happens below the canopy? Direct and indirect influences of the dominant species on forest vertical layers. <i>Oikos</i> , 2012, 121, 1145-1153.	1.2	39
38	Tree mycorrhizal associations mediate soil fertility effects on forest community structure in a temperate forest. <i>New Phytologist</i> , 2019, 223, 475-486.	3.5	39
39	Scale specific determinants of tree diversity in an old growth temperate forest in China. <i>Basic and Applied Ecology</i> , 2011, 12, 488-495.	1.2	37
40	Spatial pattern of diversity in an old-growth temperate forest in Northeastern China. <i>Acta Oecologica</i> , 2008, 33, 345-354.	0.5	34
41	The role of functional uniqueness and spatial aggregation in explaining rarity in trees. <i>Global Ecology and Biogeography</i> , 2017, 26, 777-786.	2.7	33
42	Fine-scale species co-occurrence patterns in an old-growth temperate forest. <i>Forest Ecology and Management</i> , 2009, 257, 2115-2120.	1.4	31
43	Seed rain dynamics reveals strong dispersal limitation, different reproductive strategies and responses to climate in a temperate forest in northeast China. <i>Journal of Vegetation Science</i> , 2012, 23, 271-279.	1.1	31
44	La survie des arbres d�pend de la densit� dans une ancienne for�t temp�r�e du nord-est de la Chine. <i>Annals of Forest Science</i> , 2009, 66, 204-204.	0.8	30
45	Divergent above- and below-ground biodiversity pathways mediate disturbance impacts on temperate forest multifunctionality. <i>Global Change Biology</i> , 2021, 27, 2883-2894.	4.2	30
46	Few large trees, rather than plant diversity and composition, drive the above-ground biomass stock and dynamics of temperate forests in northeast China. <i>Forest Ecology and Management</i> , 2021, 481, 118698.	1.4	28
47	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. <i>Nature Communications</i> , 2021, 12, 3137.	5.8	28
48	Mapping forest fire risk zones with spatial data and principal component analysis. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 140-149.	0.9	27
49	Forest tree neighborhoods are structured more by negative conspecific density dependence than by interactions among closely related species. <i>Ecography</i> , 2018, 41, 1114-1123.	2.1	27
50	Consequences of spatial patterns for coexistence in species-rich plant communities. <i>Nature Ecology and Evolution</i> , 2021, 5, 965-973.	3.4	24
51	Closely-related taxa influence woody species discrimination via DNA barcoding: evidence from global forest dynamics plots. <i>Scientific Reports</i> , 2015, 5, 15127.	1.6	23
52	Temporal stability of aboveground biomass is governed by species asynchrony in temperate forests. <i>Ecological Indicators</i> , 2019, 107, 105661.	2.6	23
53	A general combined model to describe tree diameter distributions within subtropical and temperate forest communities. <i>Oikos</i> , 2013, 122, 1636-1642.	1.2	22
54	Aboveground-belowground biodiversity linkages differ in early and late successional temperate forests. <i>Scientific Reports</i> , 2015, 5, 12234.	1.6	20

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55	Conspecific density dependence and community structure: Insights from 11 years of monitoring in an old-growth temperate forest in Northeast China. <i>Ecology and Evolution</i> , 2017, 7, 5191-5200.	0.8	20
56	Mycorrhizal type influences plant density dependence and species richness across 15 temperate forests. <i>Ecology</i> , 2021, 102, e03259.	1.5	20
57	Context-dependency of tree species diversity, trait composition and stand structural attributes regulate temperate forest multifunctionality. <i>Science of the Total Environment</i> , 2021, 757, 143724.	3.9	19
58	The effect of tree size, neighborhood competition and environment on tree growth in an old-growth temperate forest. <i>Journal of Plant Ecology</i> , 2016, , rtw126.	1.2	18
59	Drivers of bacterial beta diversity in two temperate forests. <i>Ecological Research</i> , 2016, 31, 57-64.	0.7	17
60	Spatial variation of species diversity across scales in an old-growth temperate forest of China. <i>Ecological Research</i> , 2008, 23, 709-717.	0.7	16
61	Variation and synchrony of tree species mast seeding in an old-growth temperate forest. <i>Journal of Vegetation Science</i> , 2017, 28, 413-423.	1.1	16
62	Pattern and dynamics of biomass stock in old growth forests: The role of habitat and tree size. <i>Acta Oecologica</i> , 2016, 75, 15-23.	0.5	15
63	Determinants of species abundance for eastern North American trees. <i>Global Ecology and Biogeography</i> , 2014, 23, 903-911.	2.7	13
64	Soil Stoichiometry Mediates Links Between Tree Functional Diversity and Soil Microbial Diversity in a Temperate Forest. <i>Ecosystems</i> , 2022, 25, 291-307.	1.6	12
65	Local-scale determinants of elemental stoichiometry of soil in an old-growth temperate forest. <i>Plant and Soil</i> , 2016, 408, 401-414.	1.8	11
66	Species-habitat associations and demographic rates of forest trees. <i>Ecography</i> , 2016, 39, 9-16.	2.1	11
67	Temporal population variability in local forest communities has mixed effects on tree species richness across a latitudinal gradient. <i>Ecology Letters</i> , 2020, 23, 160-171.	3.0	11
68	Intra-annual variations in abundance and species composition of carabid beetles in a temperate forest in Northeast China. <i>Journal of Insect Conservation</i> , 2014, 18, 85-98.	0.8	10
69	Deterministic processes drive functional and phylogenetic temporal changes of woody species in temperate forests in Northeast China. <i>Annals of Forest Science</i> , 2019, 76, 1.	0.8	10
70	Foundation species across a latitudinal gradient in China. <i>Ecology</i> , 2021, 102, e03234.	1.5	10
71	Tree species diversity enhances plant-soil interactions in a temperate forest in northeast China. <i>Forest Ecology and Management</i> , 2021, 491, 119160.	1.4	10
72	Local-scale drivers of multi-stemmed tree formation in <i>Acer</i> , in a temperate forest of Northeast China. <i>Science Bulletin</i> , 2014, 59, 320-325.	1.7	9

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73	Intraspecific trait variation improves the detection of deterministic community assembly processes in early successional forests, but not in late successional forests. <i>Journal of Plant Ecology</i> , 2019, 12, 593-602.	1.2	8
74	Species packing and the latitudinal gradient in beta-diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203045.	1.2	8
75	Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. <i>Global Change Biology</i> , 2022, 28, 2895-2909.	4.2	8
76	Spatial Distribution and Species Association of Dominant Tree Species in Huangguan Plot of Qinling Mountains, China. <i>Forests</i> , 2022, 13, 866.	0.9	8
77	Interannual climate variability has predominant effects on seedling survival in a temperate forest. <i>Ecology</i> , 2022, 103, e3643.	1.5	7
78	Estimate of productivity in ecosystem of the broad-leaved Korean pine mixed forest in Changbai Mountain. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 74-88.	0.9	5
79	Scale-dependent effect of biotic interactions and environmental conditions in community assembly: insight from a large temperate forest plot. <i>Plant Ecology</i> , 2016, 217, 1003-1014.	0.7	5
80	The role of breeding system in community dynamics: Growth and mortality in forests of different successional stages. <i>Ecology and Evolution</i> , 2018, 8, 7285-7296.	0.8	5
81	Similarity between seed rain and neighbouring mature tree communities in an old-growth temperate forest. <i>Journal of Forestry Research</i> , 2020, 31, 2435-2444.	1.7	5
82	Tree growth response to soil nutrients and neighborhood crowding varies between mycorrhizal types in an old-growth temperate forest. <i>Oecologia</i> , 2021, 197, 523-535.	0.9	5
83	Reproductive traits and their correlation among woody plants in a broadleaf-Korean pine (<it>Pinus koraiensis</it>) mixed forest in Northeast China. <i>Chinese Science Bulletin</i> , 2014, 59, 2407-2415.	0.4	5
84	Dynamics of Two Multi-Stemmed Understory Shrubs in Two Temperate Forests. <i>PLoS ONE</i> , 2014, 9, e98200.	1.1	4
85	Environment&and trait&mediated scaling of tree occupancy in forests worldwide. <i>Global Ecology and Biogeography</i> , 2019, 28, 1155-1167.	2.7	2
86	Testing mechanisms of compensatory fitness of dioecy in a cosexual world. <i>Journal of Vegetation Science</i> , 2019, 30, 413-426.	1.1	2
87	Valuing eco-assets: A note on valuation methods. <i>International Journal of Sustainable Development and World Ecology</i> , 2008, 15, 512-517.	3.2	1
88	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. <i>PLoS Computational Biology</i> , 2021, 17, e1008853.	1.5	1
89	Anthropogenic Disturbances Shape Soil Capillary and Saturated Water Retention Indirectly via Plant Functional Traits and Soil Organic Carbon in Temperate Forests. <i>Forests</i> , 2021, 12, 1588.	0.9	1
90	The Shift from Energy to Water Limitation in Local Canopy Height from Temperate to Tropical Forests in China. <i>Forests</i> , 2022, 13, 639.	0.9	1