Xiuhai Zhao

List of Publications by Year
in descending order

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81	1,188	430754	501076
papers	citations	18 h-index	28 g-index

84	84	84	1310
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A global synthesis reveals increases in soil greenhouse gas emissions under forest thinning. Science of the Total Environment, 2022, 804, 150225.	3.9	17
2	Heavy thinning reduces soil organic carbon: Evidence from a 9-year thinning experiment in a pine plantation. Catena, 2022, 211, 106013.	2.2	15
3	Effects of neighborhood interaction on tree growth in a temperate forest following selection harvesting. Ecological Indicators, 2022, 136, 108663.	2.6	3
4	Evaluating alternative hypotheses behind biodiversity and multifunctionality relationships in the forests of Northeastern China. Forest Ecosystems, 2022, 9, 100027.	1.3	7
5	Spatial asynchrony matters more than alpha stability in stabilizing ecosystem productivity in a large temperate forest region. Global Ecology and Biogeography, 2022, 31, 1133-1146.	2.7	23
6	Long-term effects of forest thinning on soil respiration and its components in a pine plantation. Forest Ecology and Management, 2022, 513, 120189.	1.4	7
7	Drivers of tree demographic trade-offs in a temperate forest. Forest Ecosystems, 2022, 9, 100044.	1.3	4
8	Unravelling Traitâ€“Environment Relationships at Local and Regional Scales in Temperate Forests. Frontiers in Plant Science, 2022, 13, .	1.7	2
9	Estimating height-diameter relations for structure groups in the natural forests of Northeastern China. Forest Ecology and Management, 2022, 519, 120298.	1.4	5
10	Understory plant removal counteracts tree thinning effect on soil respiration in a temperate forest. Global Change Biology, 2022, 28, 6102-6113.	4.2	8
11	Assessing scaleâ€dependent effects on Forest biomass productivity based on machine learning. Ecology and Evolution, 2022, 12, .	0.8	5
12	What Is a Forest ?. Managing Forest Ecosystems, 2021, , 1-22.	0.4	0
13	Analyzing Forest Ecosystems. Managing Forest Ecosystems, 2021, , 81-158.	0.4	2
14	Forest Assessment and Observation. Managing Forest Ecosystems, 2021, , 23-80.	0.4	0
15	A classification of woody communities based on biological dissimilarity. Applied Vegetation Science, 2021, 24, .	0.9	3
16	Understanding patterns and potential drivers of forest diversity in northeastern China using machineâ€learning algorithms. Journal of Vegetation Science, 2021, 32, e13022.	1.1	7
17	Comparing the relative effects of species and size structure on forest productivity in different local environments. Scandinavian Journal of Forest Research, 2021, 36, 188-197.	0.5	1
18	Dynamics and drivers of aboveground biomass accumulation during recovery from selective harvesting in an uneven-aged forest. European Journal of Forest Research, 2021, 140, 1163-1178.	1.1	9

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19	Decomposing Spatial Î²â€Diversity in the temperate forests of Northeastern China. Ecology and Evolution, 2021, 11, 11362-11372.	0.8	6
20	Unravelling biodiversityâ€“productivity relationships across a large temperate forest region. Functional Ecology, 2021, 35, 2808-2820.	1.7	19
21	Mycorrhizal type and soil pathogenic fungi mediate tree survival and density dependence in a temperate forest. Forest Ecology and Management, 2021, 496, 119459.	1.4	9
22	Abiotic niche partitioning and negative density dependence across multiple life stages in a temperate forest in northeastern China. Journal of Ecology, 2020, 108, 1299-1310.	1.9	23
23	New forest biomass carbon stock estimates in Northeast Asia based on multisource data. Global Change Biology, 2020, 26, 7045-7066.	4.2	20
24	Scaleâ€dependent effects of neighborhood biodiversity on individual tree productivity in a coniferous and broadâ€leaved mixed forest in China. Ecology and Evolution, 2020, 10, 8225-8234.	0.8	10
25	Variations of density-dependent seedling survival in a temperate forest. Forest Ecology and Management, 2020, 468, 118158.	1.4	6
26	Late-spring frost risk between 1959 and 2017 decreased in North America but increased in Europe and Asia. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12192-12200.	3.3	140
27	Functional traits influence biomass and productivity through multiple mechanisms in a temperate secondary forest. European Journal of Forest Research, 2020, 139, 959-968.	1.1	37
28	Latitudinal gradients and ecological drivers of Î²â€diversity vary across spatial scales in a temperate forest region. Global Ecology and Biogeography, 2020, 29, 1257-1264.	2.7	22
29	Assessing biotic and abiotic effects on forest productivity in three temperate forests. Ecology and Evolution, 2020, 10, 7887-7900.	0.8	12
30	Carbon management practices regulate soil bacterial communities in response to nitrogen addition in a pine forest. Plant and Soil, 2020, 452, 137-151.	1.8	16
31	Understanding and protecting forest biodiversity in relation to species and local contributions to beta diversity. European Journal of Forest Research, 2019, 138, 1005-1013.	1.1	12
32	Land use patterns and tree species diversity in the Volta Geological Unit, Togo. Journal of Mountain Science, 2019, 16, 1869-1882.	0.8	4
33	Assessing biological dissimilarities between five forest communities. Forest Ecosystems, 2019, 6, .	1.3	20
34	Species-Area Relationship and Its Scale-Dependent Effects in Natural Forests of North Eastern China. Forests, 2019, 10, 422.	0.9	2
35	Biodiversity-ecosystem functioning relationships of overstorey versus understorey trees in an old-growth temperate forest. Annals of Forest Science, 2019, 76, 1.	0.8	7
36	Species-specific and elevation-differentiated responses of tree growth to rapid warming in a mixed forest lead to a continuous growth enhancement in semi-humid Northeast Asia. Forest Ecology and Management, 2019, 448, 76-84.	1.4	14

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37	Discriminating among forest communities based on taxonomic, phylogenetic and trait distances. Forest Ecology and Management, 2019, 440, 40-47.	1.4	15
38	Variation in compositional and structural components of community assemblage and its determinants. Journal of Vegetation Science, 2019, 30, 257-268.	1.1	9
39	Parameterization of biodiversityâ€“productivity relationship and its scale dependency using georeferenced treeâ€level data. Journal of Ecology, 2019, 107, 1106-1119.	1.9	34
40	Inconsistent responses of soil respiration and its components to thinning intensity in a Pinus tabuliformis plantation in northern China. Agricultural and Forest Meteorology, 2019, 265, 370-380.	1.9	31
41	Seedling density dependence regulated by population density and habitat filtering: Evidence from a mixed primary broad-leaved Korean pine forest in Northeastern China. Annals of Forest Science, 2018, 75, 1.	0.8	9
42	Functional and phylogenetic diversity determine woody productivity in a temperate forest. Ecology and Evolution, 2018, 8, 2395-2406.	0.8	57
43	Biomass-dominant species shape the productivity-diversity relationship in two temperate forests. Annals of Forest Science, 2018, 75, 1.	0.8	19
44	Contrasting Responses of Soil Respiration Components in Response to Five-Year Nitrogen Addition in a Pinus tabulaeformis Forest in Northern China. Forests, 2018, 9, 544.	0.9	6
45	Increasing temperature sensitivity caused by climate warming, evidence from Northeastern China. Dendrochronologia, 2018, 51, 101-111.	1.0	20
46	Inconsistent autotrophic respiration but consistent heterotrophic respiration responses to 5-years nitrogen addition under natural and planted Pinus tabulaeformis forests in northern China. Plant and Soil, 2018, 429, 375-389.	1.8	12
47	Allometric biomass equations for 12 tree species in coniferous and broadleaved mixed forests, Northeastern China. PLoS ONE, 2018, 13, e0186226.	1.1	41
48	Determinants of mortality in a mixed broad-leaved Korean pine forest in northeastern China. European Journal of Forest Research, 2017, 136, 457-469.	1.1	6
49	Structural drivers of biomass dynamics in two temperate forests in China. Ecosphere, 2017, 8, e01752.	1.0	6
50	Analysing taxonomic structures and local ecological processes in temperate forests in North Eastern China. BMC Ecology, 2017, 17, 33.	3.0	10
51	Soil Elements Influencing Community Structure in an Old-Growth Forest in Northeastern China. Forests, 2016, 7, 159.	0.9	2
52	Effects of density dependence in a temperate forest in northeastern China. Scientific Reports, 2016, 6, 32844.	1.6	24
53	Combined effects of nitrogen addition and organic matter manipulation on soil respiration in a Chinese pine forest. Environmental Science and Pollution Research, 2016, 23, 22701-22710.	2.7	13
54	Relationships between tree biomass productivity and local species diversity. Ecosphere, 2016, 7, e01562.	1.0	14

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55	Stoichiometry patterns in the androdioecious Acer tegmentosum. Scientific Reports, 2016, 6, 35022.	1.6	1
56	Biomass allocation patterns and allometric relationships between components of the androdioecious Acer tegmentosum. Annals of Forest Science, 2016, 73, 729-739.	0.8	4
57	Drivers of seedling survival in a temperate forest and their relative importance at three stages of succession. Ecology and Evolution, 2015, 5, 4287-4299.	0.8	36
58	Effects of Nitrogen Addition on Leaf Decomposition of Single-Species and Litter Mixture in Pinus tabulaeformis Forests. Forests, 2015, 6, 4462-4476.	0.9	10
59	Effects of Manipulated Above- and Belowground Organic Matter Input on Soil Respiration in a Chinese Pine Plantation. PLoS ONE, 2015, 10, e0126337.	1.1	8
60	Reproduction and vegetative growth in the dioecious shrub Acer barbinerve in temperate forests of Northeast China. Plant Reproduction, 2015, 28, 111-119.	1.3	1
61	Maximum density patterns in two natural forests: An analysis based on large observational field studies in China. Forest Ecology and Management, 2015, 346, 98-105.	1.4	11
62	Effect of sex ratio, habitat factors and neighborhood competition on stem growth in the dioecious tree Fraxinusmandshurica. Ecological Research, 2014, 29, 309-317.	0.7	11
63	Scale dependent structuring of spatial diversity in two temperate forest communities. Forest Ecology and Management, 2014, 316, 110-116.	1.4	15
64	Analysing structural diversity in two temperate forests in northeastern China. Forest Ecology and Management, 2014, 316, 139-147.	1.4	27
65	Seed dispersal and seedling recruitment of trees at different successional stages in a temperate forest in northeastern China. Journal of Plant Ecology, 2014, 7, 337-346.	1.2	23
66	Analyzing selective harvest events in three large forest observational studies in North Eastern China. Forest Ecology and Management, 2014, 316, 100-109.	1.4	24
67	Disturbance and regeneration dynamics of a mixed Korean pine dominated forest on Changbai Mountain, North-Eastern China. Dendrochronologia, 2014, 32, 21-31.	1.0	11
68	Forest observational studies-an essential infrastructure for sustainable use of natural resources. Forest Ecosystems, 2014, 1, .	1.3	22
69	Tree growth and regeneration dynamics at a mountain ecotone on Changbai Mountain, northeastern China: Which factors control species distributions?. Ecoscience, 2014, 21, 387-404.	0.6	7
70	Influence of ground flora on Fraxinus mandshurica seedling growth on abandoned land and beneath forest canopy. European Journal of Forest Research, 2013, 132, 313-324.	1.1	8
71	Spatial Characteristics of Tree Diameter Distributions in a Temperate Old-Growth Forest. PLoS ONE, 2013, 8, e58983.	1.1	15
72	Limitations to Reproductive Success in the Dioecious Tree Rhamnus davurica. PLoS ONE, 2013, 8, e81140.	1.1	13

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73	Sexual dimorphism in reproductive and vegetative allometry for two dioecious Rhamnus plants in north-eastern China. European Journal of Forest Research, 2012, 131, 1287-1296.	1.1	9
74	Species-habitat associations in a northern temperate forest in China. Silva Fennica, 2012, 46, .	0.5	22
75	Gender-related distributions of Fraxinus mandshurica in secondary and old-growth forests. Acta Oecologica, 2010, 36, 55-62.	0.5	27
76	Partitioning temperate plant community structure at different scales. Acta Oecologica, 2010, 36, 306-313.	0.5	21
77	Genres, compÃ©tition des voisins et effets de lâ€™habitat sur la croissance des tiges des arbres dioÃ¯ques chez Fraxinus mandshurica dans une forÃªt tempÃ©rÃ©e du Nord-Est de la Chine. Annals of Forest Science, 2009, 66, 812-812.	0.8	22
78	Structural diversity of forest communities on Baihuashan Mountain, Beijing. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2008, 3, 213-218.	0.2	1
79	Soil properties in forest gaps and under canopy in broad-leaved Pinus koraiensis forests in Changbai Mountainous Region, China. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2007, 2, 60-65.	0.2	6
80	Correlations between canopy gaps and species diversity in broad-leaved and Korean pine mixed forests. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2006, 1, 372-378.	0.2	5
81	Functional traits explain growthâ€“mortality trade-offs in a mixed broadleaf-conifer forest in northeastern China. European Journal of Forest Research, 0, , 1.	1.1	1