

# Hong Qian

## List of Publications by Year in descending order

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119  
papers

7,143  
citations

57631

44  
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64668

79  
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121  
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121  
docs citations

121  
times ranked

7139  
citing authors

#	ARTICLE	IF	CITATIONS
1	V.PhyloMaker: an R package that can generate very large phylogenies for vascular plants. <i>Ecography</i> , 2019, 42, 1353-1359.	2.1	666
2	Large-scale processes and the Asian bias in species diversity of temperate plants. <i>Nature</i> , 2000, 407, 180-182.	13.7	607
3	An updated megaphylogeny of plants, a tool for generating plant phylogenies and an analysis of phylogenetic community structure. <i>Journal of Plant Ecology</i> , 2016, 9, 233-239.	1.2	401
4	Beta diversity of angiosperms in temperate floras of eastern Asia and eastern North America. <i>Ecology Letters</i> , 2004, 8, 15-22.	3.0	297
5	A latitudinal gradient in large-scale beta diversity for vascular plants in North America. <i>Ecology Letters</i> , 2007, 10, 737-744.	3.0	275
6	Coefficient shifts in geographical ecology: an empirical evaluation of spatial and non-spatial regression. <i>Ecography</i> , 2009, 32, 193-204.	2.1	231
7	The role of exotic species in homogenizing the North American flora. <i>Ecology Letters</i> , 2006, 9, 1293-1298.	3.0	193
8	A Comparison of the Taxonomic Richness of Vascular Plants in China and the United States. <i>American Naturalist</i> , 1999, 154, 160-181.	1.0	153
9	V.PhyloMaker2: An updated and enlarged R package that can generate very large phylogenies for vascular plants. <i>Plant Diversity</i> , 2022, 44, 335-339.	1.8	142
10	Beta diversity in relation to dispersal ability for vascular plants in North America. <i>Global Ecology and Biogeography</i> , 2009, 18, 327-332.	2.7	141
11	A GLOBAL EVALUATION OF METABOLIC THEORY AS AN EXPLANATION FOR TERRESTRIAL SPECIES RICHNESS GRADIENTS. <i>Ecology</i> , 2007, 88, 1877-1888.	1.5	139
12	REGIONAL DIFFERENCES IN RATES OF PLANT SPECIATION AND MOLECULAR EVOLUTION: A COMPARISON BETWEEN EASTERN ASIA AND EASTERN NORTH AMERICA. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 2175-2184.	1.1	125
13	Geographical distribution and ecological conservatism of disjunct genera of vascular plants in eastern Asia and eastern North America. <i>Journal of Ecology</i> , 2004, 92, 253-265.	1.9	122
14	Disentangling the effects of geographic distance and environmental dissimilarity on global patterns of species turnover. <i>Global Ecology and Biogeography</i> , 2012, 21, 341-351.	2.7	121
15	Global Patterns of Tree Species Richness in Moist Forests: Distinguishing Ecological Influences and Historical Contingency. <i>Oikos</i> , 1999, 86, 369.	1.2	117
16	Global concordance in diversity patterns of vascular plants and terrestrial vertebrates. <i>Ecology Letters</i> , 2008, 11, 547-553.	3.0	113
17	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
18	The latitudinal gradient of beta diversity in relation to climate and topography for mammals in North America. <i>Global Ecology and Biogeography</i> , 2009, 18, 111-122.	2.7	105

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19	Environmental determinants of amphibian and reptile species richness in China. <i>Ecography</i> , 2007, 30, 471-482.	2.1	91
20	A comparison of the taxonomic richness of temperate plants in East Asia and North America. <i>American Journal of Botany</i> , 2002, 89, 1818-1825.	0.8	90
21	The region effect on mesoscale plant species richness between eastern Asia and eastern North America. <i>Ecography</i> , 2004, 27, 129-136.	2.1	85
22	Phylogenetic dispersion and diversity in regional assemblages of seed plants in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23192-23201.	3.3	85
23	Latitudinal gradients in phylogenetic relatedness of angiosperm trees in North America. <i>Global Ecology and Biogeography</i> , 2013, 22, 1183-1191.	2.7	82
24	Drivers of $\beta$ -diversity along latitudinal gradients revisited. <i>Global Ecology and Biogeography</i> , 2013, 22, 659-670.	2.7	79
25	Taxon Richness and Climate in Angiosperms: Is There a Globally Consistent Relationship That Precludes Region Effects?. <i>American Naturalist</i> , 2004, 163, 773-779.	1.0	78
26	Spatial Pattern of Vascular Plant Diversity in North America North of Mexico and its Floristic Relationship with Eurasia. <i>Annals of Botany</i> , 1999, 83, 271-283.	1.4	77
27	Spatial scale and cross-taxa congruence of terrestrial vertebrate and vascular plant species richness in China. <i>Ecology</i> , 2010, 91, 1172-1183.	1.5	77
28	Large-scale biogeographic patterns of vascular plant richness in North America: an analysis at the generic level. <i>Journal of Biogeography</i> , 1998, 25, 829-836.	1.4	74
29	Are phylogenies resolved at the genus level appropriate for studies on phylogenetic structure of species assemblages?. <i>Plant Diversity</i> , 2021, 43, 255-263.	1.8	73
30	Large-scale phytogeographical patterns in East Asia in relation to latitudinal and climatic gradients. <i>Journal of Biogeography</i> , 2003, 30, 129-141.	1.4	65
31	Environment-taxa richness relationships for mammals, birds, reptiles, and amphibians at global and regional scales. <i>Ecological Research</i> , 2010, 25, 629-637.	0.7	65
32	Phylogenetic diversity anomaly in angiosperms between eastern Asia and eastern North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11452-11457.	3.3	63
33	The Latitudinal Gradient of Species-Area Relationships for Vascular Plants of North America. <i>American Naturalist</i> , 2007, 170, 690-701.	1.0	61
34	A Comparison of Generic Endemism of Vascular Plants between East Asia and North America. <i>International Journal of Plant Sciences</i> , 2001, 162, 191-199.	0.6	60
35	Diversity of the understory vascular vegetation in 40 year-old and old-growth forest stands on Vancouver Island, British Columbia. <i>Journal of Vegetation Science</i> , 1997, 8, 773-780.	1.1	59
36	Phylogenetic beta diversity of angiosperms in North America. <i>Global Ecology and Biogeography</i> , 2013, 22, 1152-1161.	2.7	56

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37	Evolutionary and ecological causes of species richness patterns in North American angiosperm trees. <i>Ecography</i> , 2015, 38, 241-250.	2.1	56
38	Out of the Tropical Lowlands: Latitude versus Elevation. <i>Trends in Ecology and Evolution</i> , 2016, 31, 738-741.	4.2	54
39	Phylogenetic structure of regional angiosperm assemblages across latitudinal and climatic gradients in North America. <i>Global Ecology and Biogeography</i> , 2017, 26, 1258-1269.	2.7	54
40	Global comparisons of beta diversity among mammals, birds, reptiles, and amphibians across spatial scales and taxonomic ranks. <i>Journal of Systematics and Evolution</i> , 2009, 47, 509-514.	1.6	53
41	Linking biotic homogenization to habitat type, invasiveness and growth form of naturalized alien plants in North America. <i>Diversity and Distributions</i> , 2010, 16, 119-125.	1.9	52
42	Longitudinal patterns of plant diversity in the North American boreal forest. <i>Plant Ecology</i> , 1998, 138, 161-178.	0.7	48
43	Geographic patterns and environmental correlates of taxonomic and phylogenetic beta diversity for large-scale angiosperm assemblages in China. <i>Ecography</i> , 2020, 43, 1706-1716.	2.1	48
44	Floristic Relationships between Eastern Asia and North America: Test of Gray's Hypothesis. <i>American Naturalist</i> , 2002, 160, 317-332.	1.0	47
45	Relationships between Plant and Animal Species Richness at a Regional Scale in China. <i>Conservation Biology</i> , 2007, 21, 937-944.	2.4	45
46	Understorey vegetation in boreal <i>Picea mariana</i> and <i>Populus tremuloides</i> stands in British Columbia. <i>Journal of Vegetation Science</i> , 2003, 14, 173-184.	1.1	43
47	Distributions of exotic plants in eastern Asia and North America. <i>Ecology Letters</i> , 2006, 9, 827-834.	3.0	43
48	Environmental Determinants of Woody Plant Diversity at a Regional Scale in China. <i>PLoS ONE</i> , 2013, 8, e75832.	1.1	43
49	Patterns of phylogenetic relatedness of angiosperm woody plants across biomes and life-history stages. <i>Journal of Biogeography</i> , 2017, 44, 1383-1392.	1.4	42
50	EFFECTS OF REGIONAL VS. ECOLOGICAL FACTORS ON PLANT SPECIES RICHNESS: AN INTERCONTINENTAL ANALYSIS. <i>Ecology</i> , 2007, 88, 1440-1453.	1.5	40
51	Growth form and distribution of introduced plants in their native and non-native ranges in Eastern Asia and North America. <i>Diversity and Distributions</i> , 2008, 14, 381-386.	1.9	39
52	BIODIVERSITY RESEARCH: Native-exotic species richness relationships across spatial scales and biotic homogenization in wetland plant communities of Illinois, USA. <i>Diversity and Distributions</i> , 2010, 16, 737-743.	1.9	39
53	Phylogenetic structure and ecological and evolutionary determinants of species richness for angiosperm trees in forest communities in China. <i>Journal of Biogeography</i> , 2016, 43, 603-615.	1.4	39
54	Plant species richness across the Himalaya driven by evolutionary history and current climate. <i>Ecosphere</i> , 2019, 10, e02945.	1.0	39

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55	Floristic analysis of vascular plant genera of North America north of Mexico: characteristics of phytogeography. <i>Journal of Biogeography</i> , 1999, 26, 1307-1321.	1.4	38
56	Using an updated time-calibrated family-level phylogeny of seed plants to test for non-random patterns of life forms across the phylogeny. <i>Journal of Systematics and Evolution</i> , 2014, 52, 423-430.	1.6	36
57	Effects of introduced species on floristic similarity: Comparing two US states. <i>Basic and Applied Ecology</i> , 2008, 9, 617-625.	1.2	34
58	Contrasting relationships between clade age and temperature along latitudinal versus elevational gradients for woody angiosperms in forests of South America. <i>Journal of Vegetation Science</i> , 2014, 25, 1208-1215.	1.1	32
59	Latitudinal shifts of introduced species: possible causes and implications. <i>Biological Invasions</i> , 2012, 14, 547-556.	1.2	30
60	Incomplete species lists derived from global and regional specimen-record databases affect macroecological analyses: A case study on the vascular plants of China. <i>Journal of Biogeography</i> , 2018, 45, 2718-2729.	1.4	29
61	Effects of historical and contemporary factors on global patterns in avian species richness. <i>Journal of Biogeography</i> , 2008, 35, 1362-1373.	1.4	28
62	Phylogenetic relatedness of native and exotic plants along climate gradients in California, USA. <i>Diversity and Distributions</i> , 2017, 23, 1323-1333.	1.9	26
63	Trophic interactions among vertebrate guilds and plants shape global patterns in species diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180949.	1.2	25
64	Floristic analysis of vascular plant genera of North America north of Mexico: spatial patterning of phytogeography. <i>Journal of Biogeography</i> , 2001, 28, 525-534.	1.4	23
65	Phytogeographical Analysis of Seed Plant Genera in China. <i>Annals of Botany</i> , 2006, 98, 1073-1084.	1.4	23
66	Effects of woody plant species richness on mammal species richness in southern Africa. <i>Journal of Biogeography</i> , 2009, 36, 1685-1697.	1.4	23
67	Evolutionary assembly of flowering plants into sky islands. <i>Nature Ecology and Evolution</i> , 2021, 5, 640-646.	3.4	23
68	Comment on "Disentangling the Drivers of $\hat{\Pi}^2$ Diversity Along Latitudinal and Elevational Gradients". <i>Science</i> , 2012, 335, 1573-1573.	6.0	21
69	Climatic correlates of phylogenetic relatedness of woody angiosperms in forest communities along a tropical elevational gradient in South America. <i>Journal of Plant Ecology</i> , 2018, 11, 394-400.	1.2	21
70	Phylogenetic structure of angiosperm trees in local forest communities along latitudinal and elevational gradients in eastern North America. <i>Ecography</i> , 2020, 43, 419-430.	2.1	21
71	Phytogeographical and community similarities of alpine tundras of Changbaishan Summit, China, and Indian Peaks, USA. <i>Journal of Vegetation Science</i> , 1999, 10, 869-882.	1.1	20
72	Phylogenetic community ecology: integrating community ecology and evolutionary biology. <i>Journal of Plant Ecology</i> , 2014, 7, 97-100.	1.2	20

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73	Patterns of phylogenetic beta diversity measured at deep evolutionary histories across geographical and ecological spaces for angiosperms in China. <i>Journal of Biogeography</i> , 2021, 48, 773-784.	1.4	19
74	Patterns and drivers of phylogenetic structure of pteridophytes in China. <i>Global Ecology and Biogeography</i> , 2021, 30, 1835-1846.	2.7	19
75	Global patterns of the beta diversity–energy relationship in terrestrial vertebrates. <i>Acta Oecologica</i> , 2012, 39, 67-71.	0.5	18
76	Geographic patterns and environmental correlates of phylogenetic relatedness and diversity for freshwater fish assemblages in North America. <i>Ecography</i> , 2020, 43, 1814-1824.	2.1	18
77	Darwin’s preadaptation hypothesis and the phylogenetic structure of native and alien regional plant assemblages across North America. <i>Global Ecology and Biogeography</i> , 2022, 31, 531-545.	2.7	17
78	Are phylogenies derived from family-level supertrees robust for studies on macroecological patterns along environmental gradients?. <i>Journal of Systematics and Evolution</i> , 2016, 54, 29-36.	1.6	16
79	Taxonomic and phylogenetic $\beta$ -diversity of freshwater fish assemblages in relationship to geographical and climatic determinants in North America. <i>Global Ecology and Biogeography</i> , 2021, 30, 1965-1977.	2.7	16
80	Global patterns of fern species diversity: An evaluation of fern data in GBIF. <i>Plant Diversity</i> , 2022, 44, 135-140.	1.8	16
81	Disentangling the relative effects of ambient energy, water availability, and energy–water balance on pteridophyte species richness at a landscape scale in China. <i>Plant Ecology</i> , 2012, 213, 749-756.	0.7	15
82	Disentangling the drivers of taxonomic and phylogenetic beta diversities in disturbed and undisturbed subtropical forests. <i>Scientific Reports</i> , 2016, 6, 35926.	1.6	15
83	PLANT SPECIES INVASIONS ALONG THE LATITUDINAL GRADIENT IN THE UNITED STATES: COMMENT. <i>Ecology</i> , 2006, 87, 3209-3213.	1.5	14
84	A latitudinal gradient of beta diversity for exotic vascular plant species in North America. <i>Diversity and Distributions</i> , 2008, 14, 556-560.	1.9	14
85	Latitude, tree species diversity and the metabolic theory of ecology. <i>Global Ecology and Biogeography</i> , 2011, 20, 362-365.	2.7	14
86	Reinvestigation on species richness and environmental correlates of bryophytes at a regional scale in China. <i>Journal of Plant Ecology</i> , 2016, 9, 734-741.	1.2	14
87	Global tests of regional effect on species richness of vascular plants and terrestrial vertebrates. <i>Ecography</i> , 2009, 32, 553-560.	2.1	13
88	Species turnover of amphibians and reptiles in eastern China: disentangling the relative effects of geographic distance and environmental difference. <i>Ecological Research</i> , 2011, 26, 949-956.	0.7	13
89	Phylogenetic Structure of Tree Species across Different Life Stages from Seedlings to Canopy Trees in a Subtropical Evergreen Broad-Leaved Forest. <i>PLoS ONE</i> , 2015, 10, e0131162.	1.1	13
90	Niche overlap and divergence times support niche conservatism in eastern Asia–eastern North America disjunct plants. <i>Global Ecology and Biogeography</i> , 2021, 30, 1990-2003.	2.7	13

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91	Mean family age of angiosperm tree communities and its climatic correlates along elevational and latitudinal gradients in eastern North America. <i>Journal of Biogeography</i> , 2018, 45, 259-268.	1.4	12
92	Geophysical, evolutionary and ecological processes interact to drive phylogenetic dispersion in angiosperm assemblages along the longest elevational gradient in the world. <i>Botanical Journal of the Linnean Society</i> , 2019, 190, 333-344.	0.8	12
93	Global and regional tree species diversity. <i>Journal of Plant Ecology</i> , 2019, 12, 210-215.	1.2	12
94	Relationship of minimum winter temperature and temperature seasonality to the northern range limit and species richness of trees in North America. <i>Journal of Chinese Geography</i> , 2022, 32, 280-290.	1.5	12
95	Phylogenetic structure of alien and native species in regional plant assemblages across China: Testing niche conservatism hypothesis versus niche convergence hypothesis. <i>Global Ecology and Biogeography</i> , 2022, 31, 1864-1876.	2.7	12
96	Effects of geographic distance and climatic dissimilarity on species turnover in alpine meadow communities across a broad spatial extent on the Tibetan Plateau. <i>Plant Ecology</i> , 2012, 213, 1357-1364.	0.7	10
97	A synthesis of botanical informatics for vascular plants in Africa. <i>Ecological Informatics</i> , 2021, 64, 101382.	2.3	9
98	Elevational patterns of phylogenetic structure of angiosperms in a biodiversity hotspot in eastern Himalaya. <i>Diversity and Distributions</i> , 2022, 28, 2534-2548.	1.9	9
99	Are invasive species a phylogenetically clustered subset of naturalized species in regional floras? A case study for flowering plants in China. <i>Diversity and Distributions</i> , 2022, 28, 2084-2093.	1.9	9
100	Bimodality of plant height: fact or artifact? A response to Scheffer et al.. <i>Trends in Ecology and Evolution</i> , 2015, 30, 6-7.	4.2	8
101	Disentangling environmental and spatial effects on phylogenetic structure of angiosperm tree communities in China. <i>Scientific Reports</i> , 2017, 7, 5634.	1.6	8
102	Regional disparity in extinction risk: Comparison of disjunct plant genera between eastern Asia and eastern North America. <i>Global Change Biology</i> , 2021, 27, 1904-1914.	4.2	8
103	Pteridophyte species richness in the central Himalaya is limited by cold climate extremes at high elevations and rainfall seasonality at low elevations. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	7
104	Linking evolutionary dynamics to species extinction for flowering plants in global biodiversity hotspots. <i>Diversity and Distributions</i> , 2022, 28, 2871-2885.	1.9	7
105	Global relationships between beta diversity and latitude after accounting for regional diversity. <i>Ecological Informatics</i> , 2015, 25, 10-13.	2.3	6
106	Ecological determinants of mean family age of angiosperm trees in forest communities in China. <i>Scientific Reports</i> , 2016, 6, 28662.	1.6	6
107	Does daily climate variation have an effect on species' elevational range size?. <i>Journal of Biogeography</i> , 2017, 44, 2432-2436.	1.4	6
108	Geographic patterns and climate correlates of the deviation between phylogenetic and taxonomic diversity for angiosperms in China. <i>Biological Conservation</i> , 2021, 262, 109291.	1.9	6

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109	Size-independent and environment-mediated shifts in leaf traits of a deciduous tree species in a subtropical forest. <i>Ecology and Evolution</i> , 2022, 12, e8516.	0.8	6
110	Patterns of frequency distribution of woody plant heights: a response to Scheffer et al.. <i>Trends in Ecology and Evolution</i> , 2015, 30, 497-498.	4.2	5
111	Biases in assessing the evolutionary history of the angiosperm flora of China. <i>Journal of Biogeography</i> , 2019, 46, 1096-1099.	1.4	5
112	Evolutionary assembly of the Arctic flora. <i>Global Ecology and Biogeography</i> , 2022, 31, 396-404.	2.7	5
113	Effects of climate and topography on the diversity anomaly of plants disjunctly distributed in eastern Asia and eastern North America. <i>Global Ecology and Biogeography</i> , 2021, 30, 2029-2042.	2.7	4
114	Influence of phylogenetic scale on the relationships of taxonomic and phylogenetic turnovers with environment for angiosperms in China. <i>Ecology and Evolution</i> , 2022, 12, e8544.	0.8	4
115	No empirical evidence to support the hypothesis that daily climate variation has an effect on species' elevational range size: Reply to Chan et al.. <i>Journal of Biogeography</i> , 2018, 45, 2827-2832.	1.4	2
116	Hemispheric- and Continental-Scale Patterns of Similarity in Mountain Tundra. <i>Annals of the American Association of Geographers</i> , 2020, 110, 1005-1021.	1.5	2
117	Are species lists derived from modeled species range maps appropriate for macroecological studies? A case study on data from BIEN. <i>Basic and Applied Ecology</i> , 2020, 48, 146-156.	1.2	2
118	Geographic patterns and climatic correlates of deep evolutionary legacies for angiosperm assemblages in China. <i>Journal of Systematics and Evolution</i> , 2023, 61, 563-571.	1.6	1
119	Relationship between clade age and temperature for angiosperm tree species in forest communities along an elevational gradient in tropical Asia. <i>Journal of Plant Ecology</i> , 2016, , rtw074.	1.2	0