

# Chi Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

2,282  
citations

279778

23  
h-index

243610

44  
g-index

82  
all docs

82  
docs citations

82  
times ranked

3394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Future of the human climate niche. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11350-11355.	7.1	400
2	The spatiotemporal dynamics of rapid urban growth in the Nanjing metropolitan region of China. Landscape Ecology, 2007, 22, 925-937.	4.2	279
3	China's Natural Wetlands: Past Problems, Current Status, and Future Challenges. Ambio, 2007, 36, 335-342.	5.5	253
4	Floodplains as an Achilles's™ heel of Amazonian forest resilience. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4442-4446.	7.1	96
5	Bistability, Spatial Interaction, and the Distribution of Tropical Forests and Savannas. Ecosystems, 2016, 19, 1080-1091.	3.4	63
6	From unusual suspect to serial killer: Cyanotoxins boosted by climate change may jeopardize megafauna. Innovation(China), 2021, 2, 100092.	9.1	62
7	Evaluating the difference between the normalized difference vegetation index and net primary productivity as the indicators of vegetation vigor assessment at landscape scale. Environmental Monitoring and Assessment, 2012, 184, 1275-1286.	2.7	51
8	Remotely sensed canopy height reveals three pantropical ecosystem states. Ecology, 2016, 97, 2518-2521.	3.2	47
9	Why trees and shrubs but rarely trubs?. Trends in Ecology and Evolution, 2014, 29, 433-434.	8.7	46
10	An invasive species erodes the performance of coastal wetland protected areas. Science Advances, 2021, 7, eabi8943.	10.3	45
11	Local Facilitation May Cause Tipping Points on a Landscape Level Preceded by Early-Warning Indicators. American Naturalist, 2015, 186, E81-E90.	2.1	43
12	Resilience of tropical tree cover: The roles of climate, fire, and herbivory. Global Change Biology, 2018, 24, 5096-5109.	9.5	43
13	Fire forbids fifty-fifty forest. PLoS ONE, 2018, 13, e0191027.	2.5	42
14	Horizontal and vertical diversity jointly shape food web stability against small and large perturbations. Ecology Letters, 2019, 22, 1152-1162.	6.4	41
15	Critical transitions in Chinese dunes during the past 12,000 years. Science Advances, 2020, 6, eaay8020.	10.3	38
16	Can we infer plant facilitation from remote sensing? a test across global drylands. Ecological Applications, 2015, 25, 1456-1462.	3.8	35
17	The shaping role of self-organization: linking vegetation patterning, plant traits and ecosystem functioning. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182859.	2.6	34
18	Global inequality remotely sensed. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	33

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19	Does the responses of <i>Vallisneria natans</i> (Lour.) Hara to high nitrogen loading differ between the summer high-growth season and the low-growth season?. <i>Science of the Total Environment</i> , 2017, 601-602, 1513-1521.	8.0	31
20	Long-term empirical evidence, early warning signals and multiple drivers of regime shifts in a lake ecosystem. <i>Journal of Ecology</i> , 2021, 109, 3182-3194.	4.0	31
21	Rare, Intense, Big fires dominate the global tropics under drier conditions. <i>Scientific Reports</i> , 2017, 7, 14374.	3.3	30
22	Can local landscape attributes explain species richness patterns at macroecological scales?. <i>Global Ecology and Biogeography</i> , 2014, 23, 436-445.	5.8	28
23	Remote Sensing and Social Sensing Data Reveal Scale-Dependent and System-Specific Strengths of Urban Heat Island Determinants. <i>Remote Sensing</i> , 2020, 12, 391.	4.0	27
24	Dilution effect in bovine tuberculosis: risk factors for regional disease occurrence in Africa. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130624.	2.6	25
25	Temporal variation of characteristic scales in urban landscapes: an insight into the evolving internal structures of China's two largest cities. <i>Landscape Ecology</i> , 2012, 27, 1063-1074.	4.2	22
26	Favourable areas for co-occurrence of parapatric species: niche conservatism and niche divergence in Iberian tree frogs and midwife toads. <i>Journal of Biogeography</i> , 2017, 44, 88-98.	3.0	21
27	Characterizing wetland change at landscape scale in Jiangsu Province, China. <i>Environmental Monitoring and Assessment</i> , 2011, 179, 279-292.	2.7	20
28	Contrasting effects of host species and phylogenetic diversity on the occurrence of HPAI H5N1 in European wild birds. <i>Journal of Animal Ecology</i> , 2019, 88, 1044-1053.	2.8	20
29	Neighbourhood-dependent root distributions and the consequences on root separation in arid ecosystems. <i>Journal of Ecology</i> , 2020, 108, 1635-1648.	4.0	20
30	Climate, topography and anthropogenic effects on desert greening: A 40-year satellite monitoring in the Tengger desert, northern China. <i>Catena</i> , 2022, 209, 105851.	5.0	20
31	Exploring the potential of open big data from ticketing websites to characterize travel patterns within the Chinese high-speed rail system. <i>PLoS ONE</i> , 2017, 12, e0178023.	2.5	19
32	Long-term effects of cultural filtering on megafauna species distributions across China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 486-493.	7.1	18
33	Livestock Herbivory Shapes Fire Regimes and Vegetation Structure Across the Global Tropics. <i>Ecosystems</i> , 2019, 22, 1457-1465.	3.4	17
34	Detecting the spatial differentiation in settlement change rates during rapid urbanization in the Nanjing metropolitan region, China. <i>Environmental Monitoring and Assessment</i> , 2010, 171, 457-470.	2.7	15
35	A global climate niche for giant trees. <i>Global Change Biology</i> , 2018, 24, 2875-2883.	9.5	15
36	The combined positive effects of two dominant species in an arid shrub-herbaceous community: implications from the performance of two associate species. <i>Plant Ecology</i> , 2011, 212, 1419-1428.	1.6	14

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37	Hierarchical structure in the world's largest high-speed rail network. PLoS ONE, 2019, 14, e0211052.	2.5	14
38	A Changing Number of Alternative States in the Boreal Biome: Reproducibility Risks of Replacing Remote Sensing Products. PLoS ONE, 2015, 10, e0143014.	2.5	13
39	What triggered the Asian elephant's northward migration across southwestern Yunnan?. Innovation(China), 2021, 2, 100142.	9.1	12
40	Can the 10-year fishing ban rescue biodiversity of the Yangtze River?. Innovation(China), 2022, 3, 100235.	9.1	12
41	The Headwater Loss of the Western Plateau Exacerbates China's Long Thirst. Ambio, 2006, 35, 271-272.	5.5	11
42	Hot spots of wetland vegetation reduction in relation to human accessibility: differentiating human impacts on natural ecosystems at multiple scales. Environmental Earth Sciences, 2012, 65, 1965-1975.	2.7	11
43	Effects of intrinsic sources of spatial autocorrelation on spatial regression modelling. Methods in Ecology and Evolution, 2018, 9, 363-372.	5.2	11
44	The Role of Environmental and Spatial Processes in Structuring Stream Macroinvertebrates Communities in a Large River Basin. Clean - Soil, Air, Water, 2015, 43, 1633-1639.	1.1	10
45	Higher Tolerance of Canopy-Forming Potamogeton crispus Than Rosette-Forming Vallisneria spiralis to High Nitrogen Concentration as Evidenced From Experiments in 10 Ponds With Contrasting Nitrogen Levels. Frontiers in Plant Science, 2018, 9, 1845.	3.6	9
46	Open big data from ticketing website as a useful tool for characterizing spatial features of the Chinese high-speed rail system. Journal of Spatial Science, 2018, 63, 265-277.	1.5	9
47	Long-distance facilitation of coastal ecosystem structure and resilience. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	9
48	Developing a quantitative landscape regionalization framework integrating driving factors and response attributes of landscapes. Landscape and Ecological Engineering, 2014, 10, 295-307.	1.5	8
49	Temperate forest and open landscapes are distinct alternative states as reflected in canopy height and tree cover. Trends in Ecology and Evolution, 2015, 30, 501-502.	8.7	8
50	Spatial Patterns of Distinct Urban Growth Forms in Relation to Roads and Pre-growth Urban Areas: Case of the Nanjing Metropolitan Region in China. Journal of the Urban Planning and Development Division, ASCE, 2015, 141, .	1.7	8
51	Long-term density dependent effects of the Chinese mitten crab ( Eriocheir sinensis (H. Milne Edwards,) Tj ETQq1 1,0,784314 rgBT /Ove	1.6	8
52	Linking Landscape Ecology and Macroecology by Scaling Biodiversity in Space and Time. Current Landscape Ecology Reports, 2020, 5, 25-34.	2.2	8
53	Composition, distribution and habitat effects of vascular plants on the vertical surfaces of an ancient city wall. Urban Ecosystems, 2016, 19, 939-948.	2.4	7
54	The mystery of missing trubs revisited: a response to McClone et al. and Qian and Ricklefs. Trends in Ecology and Evolution, 2015, 30, 7-8.	8.7	6

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55	The resolution-dependent role of landscape attributes in shaping macro-scale biodiversity patterns. <i>Global Ecology and Biogeography</i> , 2019, 28, 767-778.	5.8	6
56	Greening vs browning? Surface water cover mediates how tundra and boreal ecosystems respond to climate warming. <i>Environmental Research Letters</i> , 2021, 16, 104004.	5.2	6
57	Interspecific effects on plant size inequality: evidence from a temperate savanna community. <i>Plant Ecology</i> , 2012, 213, 225-235.	1.6	5
58	Macroecological factors shape local-scale spatial patterns in agriculturalist settlements. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20172003.	2.6	5
59	System-Specific Complex Interactions Shape Soil Organic Carbon Distribution in Coastal Salt Marshes. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2037.	2.6	5
60	Macroecological factors explain large-scale spatial population patterns of ancient agriculturalists. <i>Global Ecology and Biogeography</i> , 2015, 24, 1030-1039.	5.8	4
61	Mandatory Physical Education Classes of Two Hours per Week Can Be Comparable to Losing More than Five Kilograms for Chinese College Students. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9182.	2.6	4
62	Distribution and interspecific correlation of root biomass density in an arid <i>Elaeagnus angustifolia</i> - <i>Achnatherum splendens</i> community. <i>Acta Ecologica Sinica</i> , 2010, 30, 45-49.	1.9	3
63	Reply to Cao et al.'s comment on "Does the responses of <i>Vallisneria natans</i> (Lour.) Hara to high nitrogen loading differ between the summer high-growth season and the low-growth season? <i>Science of the Total Environment</i> 601-602 (2017) 1513-1521". <i>Science of the Total Environment</i> , 2018, 615, 1093-1094.	8.0	3
64	Linking greenhouse gas emissions to urban landscape structure: the relevance of spatial and thematic resolutions of land use/cover data. <i>Landscape Ecology</i> , 2018, 33, 1211-1224.	4.2	3
65	"Social distancing"™ between plants may amplify coastal restoration at early stage. <i>Journal of Applied Ecology</i> , 2022, 59, 188-198.	4.0	3
66	Grazing Effects of Soil Fauna on White-Rot Fungi: Biomass, Enzyme Production and Litter Decomposition Ability. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 348.	3.5	3
67	Longitudinal Changes in Water Quality to Landscape Gradients Along Sha River Basin. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1609-1615.	1.1	2
68	Remotely sensed canopy height reveals three pantropical ecosystem states: reply. <i>Ecology</i> , 2018, 99, 235-237.	3.2	2
69	Can artificial light promote submerged macrophyte growth in summer?. <i>Aquatic Ecology</i> , 0, , 1.	1.5	2
70	Division Design of Water Eco-Functioning of the River Basin. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1640-1646.	1.1	1
71	Plant Adaptability and Vegetation Differentiation in the Coastal Beaches of Yellow-Bohai Sea in China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2225.	2.6	1
72	Characterizing the Spatiotemporal Pattern of Land Use and Cover Change in Oujiang River Basin, China. , 2012, , .		0

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73	Response of Water Quality and Macroinvertebrate to Landscape at Multiple Lateral Spatial Scales in the Sha River Basin, China. <i>Clean - Soil, Air, Water</i> , 2015, 43, 341-350.	1.1	0
74	Scale-Related Contribution of Environmental and Spatial Processes to Structuring Phytoplankton Assemblages. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1592-1597.	1.1	0
75	Reply to Schirmer et al.: Forest resilience variation across Amazonian floodplains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8552-E8554.	7.1	0
76	Can we use plant performance as indicators to infer plant-crab interactions in coastal saltmarshes?. <i>Ecological Indicators</i> , 2021, 129, 107911.	6.3	0