

J Q Chen

List of Publications by Year in descending order

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399
papers

30,000
citations

7096

78
h-index

7745

150
g-index

428
all docs

428
docs citations

428
times ranked

23747
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent decline in the global land evapotranspiration trend due to limited moisture supply. <i>Nature</i> , 2010, 467, 951-954.	27.8	1,771
2	Disturbances and structural development of natural forest ecosystems with silvicultural implications, using Douglas-fir forests as an example. <i>Forest Ecology and Management</i> , 2002, 155, 399-423.	3.2	1,383
3	Edge Influence on Forest Structure and Composition in Fragmented Landscapes. <i>Conservation Biology</i> , 2005, 19, 768-782.	4.7	985
4	Global patterns of land-atmosphere fluxes of carbon dioxide, latent heat, and sensible heat derived from eddy covariance, satellite, and meteorological observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	933
5	Modeling and measuring the effects of disturbance history and climate on carbon and water budgets in evergreen needleleaf forests. <i>Agricultural and Forest Meteorology</i> , 2002, 113, 185-222.	4.8	765
6	Microclimate in Forest Ecosystem and Landscape Ecology. <i>BioScience</i> , 1999, 49, 288-297.	4.9	728
7	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	5.3	646
8	Applications of structural equation modeling (SEM) in ecological studies: an updated review. <i>Ecological Processes</i> , 2016, 5, .	3.9	562
9	Growing-Season Microclimatic Gradients from Clearcut Edges into Old-Growth Douglas-Fir Forests. , 1995, 5, 74-86.		553
10	Contrasting microclimates among clearcut, edge, and interior of old-growth Douglas-fir forest. <i>Agricultural and Forest Meteorology</i> , 1993, 63, 219-237.	4.8	484
11	Global estimates of evapotranspiration and gross primary production based on MODIS and global meteorology data. <i>Remote Sensing of Environment</i> , 2010, 114, 1416-1431.	11.0	475
12	Vegetation Responses to Edge Environments in Old-Growth Douglas-Fir Forests. , 1992, 2, 387-396.		409
13	Ecosystem carbon dioxide fluxes after disturbance in forests of North America. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	395
14	Estimating aboveground biomass using Landsat 7 ETM+ data across a managed landscape in northern Wisconsin, USA. <i>Remote Sensing of Environment</i> , 2004, 93, 402-411.	11.0	350
15	A meta-analysis of 1,119 manipulative experiments on terrestrial carbon-cycling responses to global change. <i>Nature Ecology and Evolution</i> , 2019, 3, 1309-1320.	7.8	304
16	A modelâ€¦data comparison of gross primary productivity: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	274
17	Joint control of terrestrial gross primary productivity by plant phenology and physiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2788-2793.	7.1	265
18	Ecophysiological advances and applications in plant-water relations research: a review. <i>Journal of Plant Ecology</i> , 2011, 4, 3-22.	2.3	254

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19	Potential effects of warming and drying on peatland plant community composition. <i>Global Change Biology</i> , 2003, 9, 141-151.	9.5	239
20	Assimilation exceeds respiration sensitivity to drought: A FLUXNET synthesis. <i>Global Change Biology</i> , 2010, 16, 657-670.	9.5	238
21	Accessibility of public urban green space in an urban periphery: The case of Shanghai. <i>Landscape and Urban Planning</i> , 2017, 165, 177-192.	7.5	228
22	Terrestrial carbon cycle affected by non-uniform climate warming. <i>Nature Geoscience</i> , 2014, 7, 173-180.	12.9	226
23	Nature-based solutions for resilient landscapes and cities. <i>Environmental Research</i> , 2018, 165, 431-441.	7.5	225
24	Estimation of net ecosystem carbon exchange for the conterminous United States by combining MODIS and AmeriFlux data. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1827-1847.	4.8	221
25	Global comparison of light use efficiency models for simulating terrestrial vegetation gross primary production based on the LaThuile database. <i>Agricultural and Forest Meteorology</i> , 2014, 192-193, 108-120.	4.8	220
26	Spectral and Structural Measures of Northwest Forest Vegetation at Leaf to Landscape Scales. <i>Ecosystems</i> , 2004, 7, 545.	3.4	218
27	HARVESTING EFFECTS ON MICROCLIMATIC GRADIENTS FROM SMALL STREAMS TO UPLANDS IN WESTERN WASHINGTON. , 1997, 7, 1188-1200.		214
28	Carbon fluxes, evapotranspiration, and water use efficiency of terrestrial ecosystems in China. <i>Agricultural and Forest Meteorology</i> , 2013, 182-183, 76-90.	4.8	211
29	A continuous measure of gross primary production for the conterminous United States derived from MODIS and AmeriFlux data. <i>Remote Sensing of Environment</i> , 2010, 114, 576-591.	11.0	210
30	Targeting perennial vegetation in agricultural landscapes for enhancing ecosystem services. <i>Renewable Agriculture and Food Systems</i> , 2014, 29, 101-125.	1.8	206
31	Effects of Forest Roads on Understory Plants in a Managed Hardwood Landscape. <i>Conservation Biology</i> , 2003, 17, 411-419.	4.7	200
32	A general predictive model for estimating monthly ecosystem evapotranspiration. <i>Ecohydrology</i> , 2011, 4, 245-255.	2.4	195
33	Carbon debt of Conservation Reserve Program (CRP) grasslands converted to bioenergy production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13864-13869.	7.1	184
34	Enhanced peak growth of global vegetation and its key mechanisms. <i>Nature Ecology and Evolution</i> , 2018, 2, 1897-1905.	7.8	169
35	Effects of roads on landscape structure within nested ecological units of the Northern Great Lakes Region, USA. <i>Biological Conservation</i> , 2002, 103, 209-225.	4.1	168
36	A novel soil manganese mechanism drives plant species loss with increased nitrogen deposition in a temperate steppe. <i>Ecology</i> , 2016, 97, 65-74.	3.2	165

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37	Upscaling key ecosystem functions across the conterminous United States by a water-centric ecosystem model. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	159
38	Energy and water balance of two contrasting loblolly pine plantations on the lower coastal plain of North Carolina, USA. <i>Forest Ecology and Management</i> , 2010, 259, 1299-1310.	3.2	157
39	Assessing net ecosystem carbon exchange of U.S. terrestrial ecosystems by integrating eddy covariance flux measurements and satellite observations. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 60-69.	4.8	157
40	Spatial variability in microclimate in a mixed-conifer forest before and after thinning and burning treatments. <i>Forest Ecology and Management</i> , 2010, 259, 904-915.	3.2	154
41	Bayesian multimodel estimation of global terrestrial latent heat flux from eddy covariance, meteorological, and satellite observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4521-4545.	3.3	146
42	Three-dimensional Structure of an Old-growth <i>Pseudotsuga-Tsuga</i> Canopy and Its Implications for Radiation Balance, Microclimate, and Gas Exchange. <i>Ecosystems</i> , 2004, 7, 440.	3.4	144
43	CH ₄ and N ₂ O emissions from <i>Spartina alterniflora</i> and <i>Phragmites australis</i> in experimental mesocosms. <i>Chemosphere</i> , 2007, 68, 420-427.	8.2	139
44	Energy balance and partition in Inner Mongolia steppe ecosystems with different land use types. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1800-1809.	4.8	138
45	Climate control of terrestrial carbon exchange across biomes and continents. <i>Environmental Research Letters</i> , 2010, 5, 034007.	5.2	137
46	Short-term C ₄ plant <i>Spartina alterniflora</i> invasions change the soil carbon in C ₃ plant-dominated tidal wetlands on a growing estuarine Island. <i>Soil Biology and Biochemistry</i> , 2006, 38, 3380-3386.	8.8	130
47	Response of carbon fluxes to drought in a coastal plain loblolly pine forest. <i>Global Change Biology</i> , 2010, 16, 272-287.	9.5	130
48	Social Life Cycle Assessment Revisited. <i>Sustainability</i> , 2014, 6, 4200-4226.	3.2	129
49	Understory vegetation and site factors: implications for a managed Wisconsin landscape. <i>Forest Ecology and Management</i> , 2001, 146, 75-87.	3.2	128
50	Ubiquitin-specific protease 4 (USP4) targets TRAF2 and TRAF6 for deubiquitination and inhibits TNF α -induced cancer cell migration. <i>Biochemical Journal</i> , 2012, 441, 979-987.	3.7	127
51	Preference to home landscape: wildness or neatness?. <i>Landscape and Urban Planning</i> , 2011, 99, 1-8.	7.5	125
52	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108350.	4.8	125
53	Drought during canopy development has lasting effect on annual carbon balance in a deciduous temperate forest. <i>New Phytologist</i> , 2008, 179, 818-828.	7.3	121
54	Vegetation response to extreme climate events on the Mongolian Plateau from 2000 to 2010. <i>Environmental Research Letters</i> , 2013, 8, 035033.	5.2	121

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55	Determining socioeconomic drivers of urban forest fragmentation with historical remote sensing images. <i>Landscape and Urban Planning</i> , 2013, 117, 57-65.	7.5	117
56	Urbanization, economic development, environmental and social changes in transitional economies: Vietnam after Doimoi. <i>Landscape and Urban Planning</i> , 2019, 187, 145-155.	7.5	113
57	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , 2012, 194, 775-783.	7.3	111
58	Age-Dependent Changes in Ecosystem Carbon Fluxes in Managed Forests in Northern Wisconsin, USA. <i>Ecosystems</i> , 2007, 10, 187-203.	3.4	110
59	Evaluating spatial and temporal patterns of MODIS GPP over the conterminous U.S. against flux measurements and a process model. <i>Remote Sensing of Environment</i> , 2012, 124, 717-729.	11.0	110
60	Differentiating anthropogenic modification and precipitation-driven change on vegetation productivity on the Mongolian Plateau. <i>Landscape Ecology</i> , 2016, 31, 547-566.	4.2	107
61	Summer rain pulse size and rainwater uptake by three dominant desert plants in a desertified grassland ecosystem in northwestern China. <i>Plant Ecology</i> , 2006, 184, 1-12.	1.6	106
62	Influence of vegetation and seasonal forcing on carbon dioxide fluxes across the Upper Midwest, USA: Implications for regional scaling. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 288-308.	4.8	106
63	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. <i>Nature Climate Change</i> , 2020, 10, 555-560.	18.8	106
64	Grassland canopy cover and aboveground biomass in Mongolia and Inner Mongolia: Spatiotemporal estimates and controlling factors. <i>Remote Sensing of Environment</i> , 2018, 213, 34-48.	11.0	101
65	On the computation of planetary boundary-layer height using the bulk Richardson number method. <i>Geoscientific Model Development</i> , 2014, 7, 2599-2611.	3.6	99
66	The three major axes of terrestrial ecosystem function. <i>Nature</i> , 2021, 598, 468-472.	27.8	99
67	ECOSYSTEM CONTROL OVER TEMPERATURE AND ENERGY FLUX IN NORTHERN PEATLANDS. , 1999, 9, 1345-1358.		97
68	Carbon Dioxide Exchange Between an Old-growth Forest and the Atmosphere. <i>Ecosystems</i> , 2004, 7, 513.	3.4	97
69	Effects of spring drought on carbon sequestration, evapotranspiration and water use efficiency in the songnen meadow steppe in northeast China. <i>Ecohydrology</i> , 2011, 4, 211-224.	2.4	97
70	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. <i>Agricultural and Forest Meteorology</i> , 2017, 242, 55-74.	4.8	96
71	Latitudinal patterns of magnitude and interannual variability in net ecosystem exchange regulated by biological and environmental variables. <i>Global Change Biology</i> , 2009, 15, 2905-2920.	9.5	94
72	The contribution of China's Grain to Green Program to carbon sequestration. <i>Landscape Ecology</i> , 2014, 29, 1675-1688.	4.2	94

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73	Land cover/land use change in semi-arid Inner Mongolia: 1992–2004. <i>Environmental Research Letters</i> , 2009, 4, 045010.	5.2	93
74	Biophysical controls of carbon flows in three successional Douglas-fir stands based on eddy-covariance measurements. <i>Tree Physiology</i> , 2002, 22, 169-177.	3.1	92
75	A satellite-based hybrid algorithm to determine the Priestley–Taylor parameter for global terrestrial latent heat flux estimation across multiple biomes. <i>Remote Sensing of Environment</i> , 2015, 165, 216-233.	11.0	92
76	Estimating nocturnal ecosystem respiration from the vertical turbulent flux and change in storage of CO ₂ . <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1919-1930.	4.8	91
77	Tidal effects on net ecosystem exchange of carbon in an estuarine wetland. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1820-1828.	4.8	88
78	Data-driven diagnostics of terrestrial carbon dynamics over North America. <i>Agricultural and Forest Meteorology</i> , 2014, 197, 142-157.	4.8	88
79	Assessing the effects of short-term <i>Spartina alterniflora</i> invasion on labile and recalcitrant C and N pools by means of soil fractionation and stable C and N isotopes. <i>Geoderma</i> , 2008, 145, 177-184.	5.1	87
80	Phenophases alter the soil respiration–temperature relationship in an oak-dominated forest. <i>International Journal of Biometeorology</i> , 2006, 51, 135-144.	3.0	85
81	Divergences of Two Coupled Human and Natural Systems on the Mongolian Plateau. <i>BioScience</i> , 2015, 65, 559-570.	4.9	85
82	Response of ecosystem carbon fluxes to drought events in a poplar plantation in Northern China. <i>Forest Ecology and Management</i> , 2013, 300, 33-42.	3.2	84
83	Forest structure in space: a case study of an old growth spruce-fir forest in Changbaishan Natural Reserve, PR China. <i>Forest Ecology and Management</i> , 1999, 120, 219-233.	3.2	82
84	Interannual, seasonal, and retrospective analysis of the methane and carbon dioxide budgets of a temperate peatland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 226-238.	3.0	82
85	Spatially nonrandom tree mortality and ingrowth maintain equilibrium pattern in an old-growth <i>Pseudotsuga–Tsuga</i> forest. <i>Ecology</i> , 2014, 95, 2047-2054.	3.2	81
86	Predicting plant diversity based on remote sensing products in the semi-arid region of Inner Mongolia. <i>Remote Sensing of Environment</i> , 2008, 112, 2018-2032.	11.0	80
87	Effects of edges on plant communities in a managed landscape in northern Wisconsin. <i>Forest Ecology and Management</i> , 2001, 148, 93-108.	3.2	79
88	Multiyear precipitation reduction strongly decreases carbon uptake over northern China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 881-896.	3.0	79
89	FLUXNET-CH<sub>4</sub</sub>: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. <i>Earth System Science Data</i> , 2021, 13, 3607-3689.	9.9	79
90	Net ecosystem methane and carbon dioxide exchanges in a Lake Erie coastal marsh and a nearby cropland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 722-740.	3.0	78

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91	Prospects for the sustainability of social-ecological systems (SES) on the Mongolian plateau: five critical issues. <i>Environmental Research Letters</i> , 2018, 13, 123004.	5.2	77
92	Evapotranspiration and soil water relationships in a range of disturbed and undisturbed ecosystems in the semi-arid Inner Mongolia, China. <i>Journal of Plant Ecology</i> , 2011, 4, 49-60.	2.3	76
93	Biophysical regulations of carbon fluxes of a steppe and a cultivated cropland in semiarid Inner Mongolia. <i>Agricultural and Forest Meteorology</i> , 2007, 146, 216-229.	4.8	75
94	Understanding the coupled natural and human systems in Dryland East Asia. <i>Environmental Research Letters</i> , 2012, 7, 015202.	5.2	74
95	Urbanization and environmental change during the economic transition on the Mongolian Plateau: Hohhot and Ulaanbaatar. <i>Environmental Research</i> , 2016, 144, 96-112.	7.5	74
96	Nature-based solutions for urban landscapes under post-industrialization and globalization: Barcelona versus Shanghai. <i>Environmental Research</i> , 2017, 156, 272-283.	7.5	74
97	Cultivation and grazing altered evapotranspiration and dynamics in Inner Mongolia steppes. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1810-1819.	4.8	73
98	Policy shifts influence the functional changes of the CNH systems on the Mongolian plateau. <i>Environmental Research Letters</i> , 2015, 10, 085003.	5.2	72
99	Edge effects in fragmented landscapes: a generic model for delineating area of edge influences (D-AEI). <i>Ecological Modelling</i> , 2000, 132, 175-190.	2.5	71
100	Comparative Assessment of Grassland <scp>NPP</scp> Dynamics in Response to Climate Change in China, North America, Europe and Australia from 1981 to 2010. <i>Journal of Agronomy and Crop Science</i> , 2015, 201, 57-68.	3.5	69
101	Northern Eurasia Future Initiative (NEFI): facing the challenges and pathways of global change in the twenty-first century. <i>Progress in Earth and Planetary Science</i> , 2017, 4, .	3.0	69
102	Urbanization dramatically altered the water balances of a paddy field-dominated basin in southern China. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3319-3331.	4.9	68
103	Quantifying the effect of forest age in annual net forest carbon balance. <i>Environmental Research Letters</i> , 2018, 13, 124018.	5.2	67
104	Effects of silvicultural treatments on summer forest microclimate in southeastern Missouri Ozarks. <i>Climate Research</i> , 2000, 15, 45-59.	1.1	67
105	Advances in upscaling of eddy covariance measurements of carbon and water fluxes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	66
106	Estimation of gross primary production over the terrestrial ecosystems in China. <i>Ecological Modelling</i> , 2013, 261-262, 80-92.	2.5	66
107	Riparian Forests. , 1998, , 289-323.		66
108	Title is missing!. <i>Landscape Ecology</i> , 1998, 13, 381-395.	4.2	65

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109	Seasonality of soil CO ₂ efflux in a temperate forest: Biophysical effects of snowpack and spring freeze-thaw cycles. <i>Agricultural and Forest Meteorology</i> , 2013, 177, 83-92.	4.8	65
110	Effect of spatial sampling from European flux towers for estimating carbon and water fluxes with artificial neural networks. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1941-1957.	3.0	65
111	Poplar plantation has the potential to alter the water balance in semiarid Inner Mongolia. <i>Journal of Environmental Management</i> , 2009, 90, 2762-2770.	7.8	64
112	Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. <i>Agricultural and Forest Meteorology</i> , 2017, 243, 9-18.	4.8	64
113	Net Ecosystem Exchanges of Carbon, Water, and Energy in Young and Old-growth Douglas-Fir Forests. <i>Ecosystems</i> , 2004, 7, 534.	3.4	63
114	Intercomparison of techniques to model high temperature effects on CO ₂ and energy exchange in temperate and boreal coniferous forests. <i>Ecological Modelling</i> , 2005, 188, 217-252.	2.5	63
115	Modeling temperature gradients across edges over time in a managed landscape. <i>Forest Ecology and Management</i> , 1999, 117, 17-31.	3.2	62
116	Litter controls plant community composition in a northern fen. <i>Oikos</i> , 2005, 110, 537-546.	2.7	62
117	Prescribed burning and mechanical thinning effects on belowground conditions and soil respiration in a mixed-conifer forest, California. <i>Forest Ecology and Management</i> , 2009, 257, 1324-1332.	3.2	62
118	Estimating Stand Volume and Above-Ground Biomass of Urban Forests Using LiDAR. <i>Remote Sensing</i> , 2016, 8, 339.	4.0	62
119	Grazing alters the biophysical regulation of carbon fluxes in a desert steppe. <i>Environmental Research Letters</i> , 2013, 8, 025012.	5.2	61
120	USP4 inhibits p53 and NF- κ B through deubiquitinating and stabilizing HDAC2. <i>Oncogene</i> , 2016, 35, 2902-2912.	5.9	61
121	Response of evapotranspiration and water availability to changing climate and land cover on the Mongolian Plateau during the 21st century. <i>Global and Planetary Change</i> , 2013, 108, 85-99.	3.5	60
122	Grazing modulates soil temperature and moisture in a Eurasian steppe. <i>Agricultural and Forest Meteorology</i> , 2018, 262, 157-165.	4.8	60
123	Climate change in Inner Mongolia from 1955 to 2005—trends at regional, biome and local scales. <i>Environmental Research Letters</i> , 2009, 4, 045006.	5.2	59
124	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. <i>Global Change Biology</i> , 2021, 27, 3582-3604.	9.5	59
125	Evapotranspiration estimates from eddy covariance towers and hydrologic modeling in managed forests in Northern Wisconsin, USA. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 257-267.	4.8	58
126	Memory effects of climate and vegetation affecting net ecosystem CO ₂ fluxes in global forests. <i>PLoS ONE</i> , 2019, 14, e0211510.	2.5	58

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127	Intercomparison of techniques to model water stress effects on CO ₂ and energy exchange in temperate and boreal deciduous forests. <i>Ecological Modelling</i> , 2006, 196, 289-312.	2.5	57
128	Title is missing!. <i>Plant Ecology</i> , 1999, 143, 203-218.	1.6	56
129	Soil respiration response to prescribed burning and thinning in mixed-conifer and hardwood forests. <i>Canadian Journal of Forest Research</i> , 2005, 35, 1581-1591.	1.7	56
130	Drivers of the dynamics in net primary productivity across ecological zones on the Mongolian Plateau. <i>Landscape Ecology</i> , 2013, 28, 725-739.	4.2	56
131	Diurnal to annual changes in latent, sensible heat, and CO ₂ fluxes over a Laurentian Great Lake: A case study in Western Lake Erie. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2015, 120, 1587-1604.	3.0	56
132	Separating rhizosphere respiration from total soil respiration in two larch plantations in northeastern China. <i>Tree Physiology</i> , 2005, 25, 1187-1195.	3.1	55
133	Seasonal variation in ecosystem water use efficiency in an urban-forest reserve affected by periodic drought. <i>Agricultural and Forest Meteorology</i> , 2016, 221, 142-151.	4.8	55
134	Effects of <i>Spartina alterniflora</i> invasion on benthic nematode communities in the Yangtze Estuary. <i>Marine Ecology - Progress Series</i> , 2007, 336, 99-110.	1.9	55
135	Identifying scales of pattern in ecological data: a comparison of lacunarity, spectral and wavelet analyses. <i>Ecological Complexity</i> , 2005, 2, 87-105.	2.9	54
136	Evapotranspiration of annual and perennial biofuel crops in a variable climate. <i>GCB Bioenergy</i> , 2015, 7, 1344-1356.	5.6	54
137	Comparison of Abiotic and Structurally Defined Patch Patterns in a Hypothetical Forest Landscape. <i>Conservation Biology</i> , 1996, 10, 854-862.	4.7	53
138	Comparing patterns of ecosystem service consumption and perceptions of range management between ethnic herders in Inner Mongolia and Mongolia. <i>Environmental Research Letters</i> , 2010, 5, 015001.	5.2	53
139	Climatic variability, hydrologic anomaly, and methane emission can turn productive freshwater marshes into net carbon sources. <i>Global Change Biology</i> , 2015, 21, 1165-1181.	9.5	53
140	Spatial relationships among species, above-ground biomass, N, and P in degraded grasslands in Ordos Plateau, northwestern China. <i>Journal of Arid Environments</i> , 2007, 68, 652-667.	2.4	52
141	Influence of physiological phenology on the seasonal pattern of ecosystem respiration in deciduous forests. <i>Global Change Biology</i> , 2015, 21, 363-376.	9.5	52
142	Ten-year variability in ecosystem water use efficiency in an oak-dominated temperate forest under a warming climate. <i>Agricultural and Forest Meteorology</i> , 2016, 218-219, 209-217.	4.8	52
143	Plant Community Dynamics, Nutrient Cycling, and Alternative Stable Equilibria in Peatlands. <i>American Naturalist</i> , 2002, 160, 553-568.	2.1	51
144	The provision of ecosystem services in response to global change: Evidences and applications. <i>Environmental Research</i> , 2016, 147, 576-579.	7.5	51

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145	Closing the carbon budget of estuarine wetlands with tower-based measurements and MODIS time series. <i>Global Change Biology</i> , 2008, 14, 1690-1702.	9.5	49
146	Water use patterns of three species in subalpine forest, Southwest China: the deuterium isotope approach. <i>Ecohydrology</i> , 2011, 4, 236-244.	2.4	49
147	Do green spaces affect the spatiotemporal changes of PM2.5 in Nanjing?. <i>Ecological Processes</i> , 2016, 5, 7.	3.9	49
148	Albedo changes caused by future urbanization contribute to global warming. <i>Nature Communications</i> , 2022, 13, .	12.8	48
149	Moisture sensitivity of ecosystem respiration: Comparison of 14 forest ecosystems in the Upper Great Lakes Region, USA. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 216-230.	4.8	47
150	What eddy-covariance measurements tell us about prior land flux errors in CO ₂ flux inversion schemes. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	47
151	Biotic homogenization and differentiation of the flora in artificial and near-natural habitats across urban green spaces. <i>Landscape and Urban Planning</i> , 2013, 120, 158-169.	7.5	47
152	Biotic and climatic controls on interannual variability in carbon fluxes across terrestrial ecosystems. <i>Agricultural and Forest Meteorology</i> , 2015, 205, 11-22.	4.8	47
153	Incorporating Culture Into Sustainable Development: A Cultural Sustainability Index Framework for Green Buildings. <i>Sustainable Development</i> , 2016, 24, 64-76.	12.5	47
154	Growing-season microclimate variability within an old-growth Douglas-fir forest. <i>Climate Research</i> , 1997, 8, 21-34.	1.1	47
155	Modeling landscape net ecosystem productivity (LandNEP) under alternative management regimes. <i>Ecological Modelling</i> , 2002, 154, 75-91.	2.5	46
156	Does canopy wetness matter? Evapotranspiration from a subtropical montane cloud forest in Taiwan. <i>Hydrological Processes</i> , 2014, 28, 1190-1214.	2.6	46
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