J Q Chen

List of Publications by Year in descending order

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399 papers	30,000 citations	7069 78 h-index	7718 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. Nature, 2010, 467, 951-954.	13.7	1,771
2	Disturbances and structural development of natural forest ecosystems with silvicultural implications, using Douglas-fir forests as an example. Forest Ecology and Management, 2002, 155, 399-423.	1.4	1,383
3	Edge Influence on Forest Structure and Composition in Fragmented Landscapes. Conservation Biology, 2005, 19, 768-782.	2.4	985
4	Global patterns of land-atmosphere fluxes of carbon dioxide, latent heat, and sensible heat derived from eddy covariance, satellite, and meteorological observations. Journal of Geophysical Research, 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. Agricultural and Forest Meteorology, 2002, 113, 185-222.	1.9	765
6	Microclimate in Forest Ecosystem and Landscape Ecology. BioScience, 1999, 49, 288-297.	2.2	728
7	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. Scientific Data, 2020, 7, 225.	2.4	646
8	Applications of structural equation modeling (SEM) in ecological studies: an updated review. Ecological Processes, 2016, 5, .	1.6	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. Agricultural and Forest Meteorology, 1993, 63, 219-237.	1.9	484
11	Global estimates of evapotranspiration and gross primary production based on MODIS and global meteorology data. Remote Sensing of Environment, 2010, 114, 1416-1431.	4.6	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. Journal of Geophysical Research, 2010, 115, .	3.3	395
14	Estimating aboveground biomass using Landsat 7 ETM+ data across a managed landscape in northern Wisconsin, USA. Remote Sensing of Environment, 2004, 93, 402-411.	4.6	350
15	A meta-analysis of 1,119 manipulative experiments on terrestrial carbon-cycling responses to global change. Nature Ecology and Evolution, 2019, 3, 1309-1320.	3.4	304
16	A modelâ€data comparison of gross primary productivity: Results from the North American Carbon Program site synthesis. Journal of Geophysical Research, 2012, 117, .	3.3	274
17	Joint control of terrestrial gross primary productivity by plant phenology and physiology. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2788-2793.	3.3	265
18	Ecohydrological advances and applications in plant-water relations research: a review. Journal of Plant Ecology, 2011, 4, 3-22.	1.2	254

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19	Potential effects of warming and drying on peatland plant community composition. Global Change Biology, 2003, 9, 141-151.	4.2	239
20	Assimilation exceeds respiration sensitivity to drought: A FLUXNET synthesis. Global Change Biology, 2010, 16, 657-670.	4.2	238
21	Accessibility of public urban green space in an urban periphery: The case of Shanghai. Landscape and Urban Planning, 2017, 165, 177-192.	3.4	228
22	Terrestrial carbon cycle affected by non-uniform climate warming. Nature Geoscience, 2014, 7, 173-180.	5.4	226
23	Nature-based solutions for resilient landscapes and cities. Environmental Research, 2018, 165, 431-441.	3.7	225
24	Estimation of net ecosystem carbon exchange for the conterminous United States by combining MODIS and AmeriFlux data. Agricultural and Forest Meteorology, 2008, 148, 1827-1847.	1.9	221
25	Global comparison of light use efficiency models for simulating terrestrial vegetation gross primary production based on the LaThuile database. Agricultural and Forest Meteorology, 2014, 192-193, 108-120.	1.9	220
26	Spectral and Structural Measures of Northwest Forest Vegetation at Leaf to Landscape Scales. Ecosystems, 2004, 7, 545.	1.6	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. Agricultural and Forest Meteorology, 2013, 182-183, 76-90.	1.9	211
29	A continuous measure of gross primary production for the conterminous United States derived from MODIS and AmeriFlux data. Remote Sensing of Environment, 2010, 114, 576-591.	4.6	210
30	Targeting perennial vegetation in agricultural landscapes for enhancing ecosystem services. Renewable Agriculture and Food Systems, 2014, 29, 101-125.	0.8	206
31	Effects of Forest Roads on Understory Plants in a Managed Hardwood Landscape. Conservation Biology, 2003, 17, 411-419.	2.4	200
32	A general predictive model for estimating monthly ecosystem evapotranspiration. Ecohydrology, 2011, 4, 245-255.	1.1	195
33	Carbon debt of Conservation Reserve Program (CRP) grasslands converted to bioenergy production. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13864-13869.	3.3	184
34	Enhanced peak growth of global vegetation and its key mechanisms. Nature Ecology and Evolution, 2018, 2, 1897-1905.	3.4	169
35	Effects of roads on landscape structure within nested ecological units of the Northern Great Lakes Region, USA. Biological Conservation, 2002, 103, 209-225.	1.9	168
36	A novel soil manganese mechanism drives plant species loss with increased nitrogen deposition in a temperate steppe. Ecology, 2016, 97, 65-74.	1.5	165

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37	Upscaling key ecosystem functions across the conterminous United States by a water-centric ecosystem model. Journal of Geophysical Research, 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. Forest Ecology and Management, 2010, 259, 1299-1310.	1.4	157
39	Assessing net ecosystem carbon exchange of U.S. terrestrial ecosystems by integrating eddy covariance flux measurements and satellite observations. Agricultural and Forest Meteorology, 2011, 151, 60-69.	1.9	157
40	Spatial variability in microclimate in a mixed-conifer forest before and after thinning and burning treatments. Forest Ecology and Management, 2010, 259, 904-915.	1.4	154
41	Bayesian multimodel estimation of global terrestrial latent heat flux from eddy covariance, meteorological, and satellite observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4521-4545.	1.2	146
42	Three-dimensional Structure of an Old-growth Pseudotsuga-Tsuga Canopy and Its Implications for Radiation Balance, Microclimate, and Gas Exchange. Ecosystems, 2004, 7, 440.	1.6	144
43	CH4 and N2O emissions from Spartina alterniflora and Phragmites australis in experimental mesocosms. Chemosphere, 2007, 68, 420-427.	4.2	139
44	Energy balance and partition in Inner Mongolia steppe ecosystems with different land use types. Agricultural and Forest Meteorology, 2009, 149, 1800-1809.	1.9	138
45	Climate control of terrestrial carbon exchange across biomes and continents. Environmental Research Letters, 2010, 5, 034007.	2.2	137
46	Short-term C4 plant Spartina alterniflora invasions change the soil carbon in C3 plant-dominated tidal wetlands on a growing estuarine Island. Soil Biology and Biochemistry, 2006, 38, 3380-3386.	4.2	130
47	Response of carbon fluxes to drought in a coastal plain loblolly pine forest. Global Change Biology, 2010, 16, 272-287.	4.2	130
48	Social Life Cycle Assessment Revisited. Sustainability, 2014, 6, 4200-4226.	1.6	129
49	Understory vegetation and site factors: implications for a managed Wisconsin landscape. Forest Ecology and Management, 2001, 146, 75-87.	1.4	128
50	Ubiquitin-specific protease 4 (USP4) targets TRAF2 and TRAF6 for deubiquitination and inhibits TNFÎ±-induced cancer cell migration. Biochemical Journal, 2012, 441, 979-987.	1.7	127
51	Preference to home landscape: wildness or neatness?. Landscape and Urban Planning, 2011, 99, 1-8.	3.4	125
52	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. Agricultural and Forest Meteorology, 2021, 301-302, 108350.	1.9	125
53	Drought during canopy development has lasting effect on annual carbon balance in a deciduous temperate forest. New Phytologist, 2008, 179, 818-828.	3.5	121
54	Vegetation response to extreme climate events on the Mongolian Plateau from 2000 to 2010. Environmental Research Letters, 2013, 8, 035033.	2.2	121

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55	Determining socioeconomic drivers of urban forest fragmentation with historical remote sensing images. Landscape and Urban Planning, 2013, 117, 57-65.	3.4	117
56	Urbanization, economic development, environmental and social changes in transitional economies: Vietnam after Doimoi. Landscape and Urban Planning, 2019, 187, 145-155.	3.4	113
57	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. New Phytologist, 2012, 194, 775-783.	3.5	111
58	Age-Dependent Changes in Ecosystem Carbon Fluxes in Managed Forests in Northern Wisconsin, USA. Ecosystems, 2007, 10, 187-203.	1.6	110
59	Evaluating spatial and temporal patterns of MODIS GPP over the conterminous U.S. against flux measurements and a process model. Remote Sensing of Environment, 2012, 124, 717-729.	4.6	110
60	Differentiating anthropogenic modification and precipitation-driven change on vegetation productivity on the Mongolian Plateau. Landscape Ecology, 2016, 31, 547-566.	1.9	107
61	Summer rain pulse size and rainwater uptake by three dominant desert plants in a desertified grassland ecosystem in northwestern China. Plant Ecology, 2006, 184, 1-12.	0.7	106
62	Influence of vegetation and seasonal forcing on carbon dioxide fluxes across the Upper Midwest, USA: Implications for regional scaling. Agricultural and Forest Meteorology, 2008, 148, 288-308.	1.9	106
63	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. Nature Climate Change, 2020, 10, 555-560.	8.1	106
64	Grassland canopy cover and aboveground biomass in Mongolia and Inner Mongolia: Spatiotemporal estimates and controlling factors. Remote Sensing of Environment, 2018, 213, 34-48.	4.6	101
65	On the computation of planetary boundary-layer height using the bulk Richardson number method. Geoscientific Model Development, 2014, 7, 2599-2611.	1.3	99
66	The three major axes of terrestrial ecosystem function. Nature, 2021, 598, 468-472.	13.7	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. Ecosystems, 2004, 7, 513.	1.6	97
69	Effects of spring drought on carbon sequestration, evapotranspiration and water use efficiency in the songnen meadow steppe in northeast China. Ecohydrology, 2011, 4, 211-224.	1.1	97
70	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. Agricultural and Forest Meteorology, 2017, 242, 55-74.	1.9	96
71	Latitudinal patterns of magnitude and interannual variability in net ecosystem exchange regulated by biological and environmental variables. Global Change Biology, 2009, 15, 2905-2920.	4.2	94
72	The contribution of Chinaâ€™s Grain to Green Program to carbon sequestration. Landscape Ecology, 2014, 29, 1675-1688.	1.9	94

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73	Land cover/land use change in semi-arid Inner Mongolia: 1992â€“2004. Environmental Research Letters, 2009, 4, 045010.	2.2	93
74	Biophysical controls of carbon flows in three successional Douglas-fir stands based on eddy-covariance measurements. Tree Physiology, 2002, 22, 169-177.	1.4	92
75	A satellite-based hybrid algorithm to determine the Priestleyâ€“Taylor parameter for global terrestrial latent heat flux estimation across multiple biomes. Remote Sensing of Environment, 2015, 165, 216-233.	4.6	92
76	Estimating nocturnal ecosystem respiration from the vertical turbulent flux and change in storage of CO2. Agricultural and Forest Meteorology, 2009, 149, 1919-1930.	1.9	91
77	Tidal effects on net ecosystem exchange of carbon in an estuarine wetland. Agricultural and Forest Meteorology, 2009, 149, 1820-1828.	1.9	88
78	Data-driven diagnostics of terrestrial carbon dynamics over North America. Agricultural and Forest Meteorology, 2014, 197, 142-157.	1.9	88
79	Assessing the effects of short-term Spartina alterniflora invasion on labile and recalcitrant C and N pools by means of soil fractionation and stable C and N isotopes. Geoderma, 2008, 145, 177-184.	2.3	87
80	Phenophases alter the soil respirationâ€“temperature relationship in an oak-dominated forest. International Journal of Biometeorology, 2006, 51, 135-144.	1.3	85
81	Divergences of Two Coupled Human and Natural Systems on the Mongolian Plateau. BioScience, 2015, 65, 559-570.	2.2	85
82	Response of ecosystem carbon fluxes to drought events in a poplar plantation in Northern China. Forest Ecology and Management, 2013, 300, 33-42.	1.4	84
83	Forest structure in space: a case study of an old growth spruce-fir forest in Changbaishan Natural Reserve, PR China. Forest Ecology and Management, 1999, 120, 219-233.	1.4	82
84	Interannual, seasonal, and retrospective analysis of the methane and carbon dioxide budgets of a temperate peatland. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 226-238.	1.3	82
85	Spatially nonrandom tree mortality and ingrowth maintain equilibrium pattern in an oldâ€growth Pseudotsugaâ€“Tsuga forest. Ecology, 2014, 95, 2047-2054.	1.5	81
86	Predicting plant diversity based on remote sensing products in the semi-arid region of Inner Mongolia. Remote Sensing of Environment, 2008, 112, 2018-2032.	4.6	80
87	Effects of edges on plant communities in a managed landscape in northern Wisconsin. Forest Ecology and Management, 2001, 148, 93-108.	1.4	79
88	Multiyear precipitation reduction strongly decreases carbon uptake over northern China. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 881-896.	1.3	79
89	FLUXNET-CH₄: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. Earth System Science Data, 2021, 13, 3607-3689.	3.7	79
90	Net ecosystem methane and carbon dioxide exchanges in a Lake Erie coastal marsh and a nearby cropland. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 722-740.	1.3	78

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91	Prospects for the sustainability of social-ecological systems (SES) on the Mongolian plateau: five critical issues. Environmental Research Letters, 2018, 13, 123004.	2.2	77
92	Evapotranspiration and soil water relationships in a range of disturbed and undisturbed ecosystems in the semi-arid Inner Mongolia, China. Journal of Plant Ecology, 2011, 4, 49-60.	1.2	76
93	Biophysical regulations of carbon fluxes of a steppe and a cultivated cropland in semiarid Inner Mongolia. Agricultural and Forest Meteorology, 2007, 146, 216-229.	1.9	75
94	Understanding the coupled natural and human systems in Dryland East Asia. Environmental Research Letters, 2012, 7, 015202.	2.2	74
95	Urbanization and environmental change during the economic transition on the Mongolian Plateau: Hohhot and Ulaanbaatar. Environmental Research, 2016, 144, 96-112.	3.7	74
96	Nature-based solutions for urban landscapes under post-industrialization and globalization: Barcelona versus Shanghai. Environmental Research, 2017, 156, 272-283.	3.7	74
97	Cultivation and grazing altered evapotranspiration and dynamics in Inner Mongolia steppes. Agricultural and Forest Meteorology, 2009, 149, 1810-1819.	1.9	73
98	Policy shifts influence the functional changes of the CNH systems on the Mongolian plateau. Environmental Research Letters, 2015, 10, 085003.	2.2	72
99	Edge effects in fragmented landscapes: a generic model for delineating area of edge influences (D-AEI). Ecological Modelling, 2000, 132, 175-190.	1.2	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. Journal of Agronomy and Crop Science, 2015, 201, 57-68.	1.7	69
101	Northern Eurasia Future Initiative (NEFI): facing the challenges and pathways of global change in the twenty-first century. Progress in Earth and Planetary Science, 2017, 4, .	1.1	69
102	Urbanization dramatically altered the water balances of a paddy field-dominated basin in southern China. Hydrology and Earth System Sciences, 2015, 19, 3319-3331.	1.9	68
103	Quantifying the effect of forest age in annual net forest carbon balance. Environmental Research Letters, 2018, 13, 124018.	2.2	67
104	Effects of silvicultural treatments on summer forest microclimate in southeastern Missouri Ozarks. Climate Research, 2000, 15, 45-59.	0.4	67
105	Advances in upscaling of eddy covariance measurements of carbon and water fluxes. Journal of Geophysical Research, 2012, 117, .	3.3	66
106	Estimation of gross primary production over the terrestrial ecosystems in China. Ecological Modelling, 2013, 261-262, 80-92.	1.2	66
107	Riparian Forests. , 1998, , 289-323.		66
108	Title is missing!. Landscape Ecology, 1998, 13, 381-395.	1.9	65

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109	Seasonality of soil CO2 efflux in a temperate forest: Biophysical effects of snowpack and spring freezeâ€“thaw cycles. Agricultural and Forest Meteorology, 2013, 177, 83-92.	1.9	65
110	Effect of spatial sampling from European flux towers for estimating carbon and water fluxes with artificial neural networks. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1941-1957.	1.3	65
111	Poplar plantation has the potential to alter the water balance in semiarid Inner Mongolia. Journal of Environmental Management, 2009, 90, 2762-2770.	3.8	64
112	Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. Agricultural and Forest Meteorology, 2017, 243, 9-18.	1.9	64
113	Net Ecosystem Exchanges of Carbon, Water, and Energy in Young and Old-growth Douglas-Fir Forests. Ecosystems, 2004, 7, 534.	1.6	63
114	Intercomparison of techniques to model high temperature effects on CO2 and energy exchange in temperate and boreal coniferous forests. Ecological Modelling, 2005, 188, 217-252.	1.2	63
115	Modeling temperature gradients across edges over time in a managed landscape. Forest Ecology and Management, 1999, 117, 17-31.	1.4	62
116	Litter controls plant community composition in a northern fen. Oikos, 2005, 110, 537-546.	1.2	62
117	Prescribed burning and mechanical thinning effects on belowground conditions and soil respiration in a mixed-conifer forest, California. Forest Ecology and Management, 2009, 257, 1324-1332.	1.4	62
118	Estimating Stand Volume and Above-Ground Biomass of Urban Forests Using LiDAR. Remote Sensing, 2016, 8, 339.	1.8	62
119	Grazing alters the biophysical regulation of carbon fluxes in a desert steppe. Environmental Research Letters, 2013, 8, 025012.	2.2	61
120	USP4 inhibits p53 and NF-ÎºB through deubiquitinating and stabilizing HDAC2. Oncogene, 2016, 35, 2902-2912.	2.6	61
121	Response of evapotranspiration and water availability to changing climate and land cover on the Mongolian Plateau during the 21st century. Global and Planetary Change, 2013, 108, 85-99.	1.6	60
122	Grazing modulates soil temperature and moisture in a Eurasian steppe. Agricultural and Forest Meteorology, 2018, 262, 157-165.	1.9	60
123	Climate change in Inner Mongolia from 1955 to 2005â€”trends at regional, biome and local scales. Environmental Research Letters, 2009, 4, 045006.	2.2	59
124	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. Global Change Biology, 2021, 27, 3582-3604.	4.2	59
125	Evapotranspiration estimates from eddy covariance towers and hydrologic modeling in managed forests in Northern Wisconsin, USA. Agricultural and Forest Meteorology, 2008, 148, 257-267.	1.9	58
126	Memory effects of climate and vegetation affecting net ecosystem CO2 fluxes in global forests. PLoS ONE, 2019, 14, e0211510.	1.1	58

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127	Intercomparison of techniques to model water stress effects on CO2 and energy exchange in temperate and boreal deciduous forests. Ecological Modelling, 2006, 196, 289-312.	1.2	57
128	Title is missing!. Plant Ecology, 1999, 143, 203-218.	0.7	56
129	Soil respiration response to prescribed burning and thinning in mixed-conifer and hardwood forests. Canadian Journal of Forest Research, 2005, 35, 1581-1591.	0.8	56
130	Drivers of the dynamics in net primary productivity across ecological zones on the Mongolian Plateau. Landscape Ecology, 2013, 28, 725-739.	1.9	56
131	Diurnal to annual changes in latent, sensible heat, and CO₂ fluxes over a Laurentian Great Lake: A case study in Western Lake Erie. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1587-1604.	1.3	56
132	Separating rhizosphere respiration from total soil respiration in two larch plantations in northeastern China. Tree Physiology, 2005, 25, 1187-1195.	1.4	55
133	Seasonal variation in ecosystem water use efficiency in an urban-forest reserve affected by periodic drought. Agricultural and Forest Meteorology, 2016, 221, 142-151.	1.9	55
134	Effects of Spartina alterniflora invasion on benthic nematode communities in the Yangtze Estuary. Marine Ecology - Progress Series, 2007, 336, 99-110.	0.9	55
135	Identifying scales of pattern in ecological data: a comparison of lacunarity, spectral and wavelet analyses. Ecological Complexity, 2005, 2, 87-105.	1.4	54
136	Evapotranspiration of annual and perennial biofuel crops in a variable climate. GCB Bioenergy, 2015, 7, 1344-1356.	2.5	54
137	Comparison of Abiotic and Structurally Defined Patch Patterns in a Hypothetical Forest Landscape. Conservation Biology, 1996, 10, 854-862.	2.4	53
138	Comparing patterns of ecosystem service consumption and perceptions of range management between ethnic herders in Inner Mongolia and Mongolia. Environmental Research Letters, 2010, 5, 015001.	2.2	53
139	Climatic variability, hydrologic anomaly, and methane emission can turn productive freshwater marshes into net carbon sources. Global Change Biology, 2015, 21, 1165-1181.	4.2	53
140	Spatial relationships among species, above-ground biomass, N, and P in degraded grasslands in Ordos Plateau, northwestern China. Journal of Arid Environments, 2007, 68, 652-667.	1.2	52
141	Influence of physiological phenology on the seasonal pattern of ecosystem respiration in deciduous forests. Global Change Biology, 2015, 21, 363-376.	4.2	52
142	Ten-year variability in ecosystem water use efficiency in an oak-dominated temperate forest under a warming climate. Agricultural and Forest Meteorology, 2016, 218-219, 209-217.	1.9	52
143	Plant Community Dynamics, Nutrient Cycling, and Alternative Stable Equilibria in Peatlands. American Naturalist, 2002, 160, 553-568.	1.0	51
144	The provision of ecosystem services in response to global change: Evidences and applications. Environmental Research, 2016, 147, 576-579.	3.7	51

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145	Closing the carbon budget of estuarine wetlands with towerâ€based measurements and MODIS time series. Global Change Biology, 2008, 14, 1690-1702.	4.2	49
146	Water use patterns of three species in subalpine forest, Southwest China: the deuterium isotope approach. Ecohydrology, 2011, 4, 236-244.	1.1	49
147	Do green spaces affect the spatiotemporal changes of PM2.5 in Nanjing?. Ecological Processes, 2016, 5, 7.	1.6	49
148	Albedo changes caused by future urbanization contribute to global warming. Nature Communications, 2022, 13, .	5.8	48
149	Moisture sensitivity of ecosystem respiration: Comparison of 14 forest ecosystems in the Upper Great Lakes Region, USA. Agricultural and Forest Meteorology, 2008, 148, 216-230.	1.9	47
150	What eddyâ€covariance measurements tell us about prior land flux errors in CO₂â€flux inversion schemes. Global Biogeochemical Cycles, 2012, 26, .	1.9	47
151	Biotic homogenization and differentiation of the flora in artificial and near-natural habitats across urban green spaces. Landscape and Urban Planning, 2013, 120, 158-169.	3.4	47
152	Biotic and climatic controls on interannual variability in carbon fluxes across terrestrial ecosystems. Agricultural and Forest Meteorology, 2015, 205, 11-22.	1.9	47
153	Incorporating Culture Into Sustainable Development: A Cultural Sustainability Index Framework for Green Buildings. Sustainable Development, 2016, 24, 64-76.	6.9	47
154	Growing-season microclimate variability within an old-growth Douglas-fir forest. Climate Research, 1997, 8, 21-34.	0.4	47
155	Modeling landscape net ecosystem productivity (LandNEP) under alternative management regimes. Ecological Modelling, 2002, 154, 75-91.	1.2	46
156	Does canopy wetness matter? Evapotranspiration from a subtropical montane cloud forest in Taiwan. Hydrological Processes, 2014, 28, 1190-1214.	1.1	46
157	Urbanization on the Mongolian Plateau after economic reform: Changes and causes. Applied Geography, 2017, 86, 118-127.	1.7	46
158	Estimating aboveground biomass in subtropical forests of China by integrating multisource remote sensing and ground data. Remote Sensing of Environment, 2019, 232, 111341.	4.6	46
159	Spatial variability in soil heat flux at three Inner Mongolia steppe ecosystems. Agricultural and Forest Meteorology, 2008, 148, 1433-1443.	1.9	45
160	Estimation of evapotranspiration over the terrestrial ecosystems in China. Ecohydrology, 2014, 7, 139-149.	1.1	45
161	Coupled dynamics of urban landscape pattern and socioeconomic drivers in Shenzhen, China. Landscape Ecology, 2014, 29, 715-727.	1.9	45
162	Understanding livestock production and sustainability of grassland ecosystems in the Asian Dryland Belt. Ecological Processes, 2017, 6, .	1.6	45

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163	Short-Term Effects of Experimental Burning and Thinning on Soil Respiration in an Old-Growth, Mixed-Conifer Forest. Environmental Management, 2004, 33, S148.	1.2	44
164	The Northern Eurasia Earth Science Partnership: An Example of Science Applied to Societal Needs. Bulletin of the American Meteorological Society, 2009, 90, 671-688.	1.7	44
165	Redefinition and global estimation of basal ecosystem respiration rate. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	1.9	43
166	Evapotranspiration and water yield over China's landmass from 2000 to 2010. Hydrology and Earth System Sciences, 2013, 17, 4957-4980.	1.9	43
167	Long-term variability and environmental control of the carbon cycle in an oak-dominated temperate forest. Forest Ecology and Management, 2014, 313, 319-328.	1.4	43
168	A simple temperature domain twoâ€source model for estimating agricultural field surface energy fluxes from Landsat images. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5211-5236.	1.2	43
169	ORCHIDEE-PEAT (revision 4596), a model for northern peatland CO₂, water, and energy fluxes on daily to annual scales. Geoscientific Model Development, 2018, 11, 497-519.	1.3	43
170	Dynamics of net primary productivity on the Mongolian Plateau: Joint regulations of phenology and drought. International Journal of Applied Earth Observation and Geoinformation, 2019, 81, 85-97.	1.4	43
171	Title is missing!. Landscape Ecology, 1997, 12, 223-240.	1.9	42
172	Water and energy footprints of bioenergy crop production on marginal lands. GCB Bioenergy, 2011, 3, 208-222.	2.5	42
173	Ecosystem Water-Use Efficiency of Annual Corn and Perennial Grasslands: Contributions from Land-Use History and Species Composition. Ecosystems, 2016, 19, 1001-1012.	1.6	41
174	Estimation of high-resolution terrestrial evapotranspiration from Landsat data using a simple Taylor skill fusion method. Journal of Hydrology, 2017, 553, 508-526.	2.3	41
175	Spatial and population characteristics of dwarf mistletoe infected trees in an old-growth Douglas-fir Â– western hemlock forest. Canadian Journal of Forest Research, 2005, 35, 990-1001.	0.8	40
176	Precipitation drives interannual variation in summer soil respiration in a Mediterranean-climate, mixed-conifer forest. Climatic Change, 2009, 92, 109-122.	1.7	40
177	Productivity and Carbon Dioxide Exchange of Leguminous Crops: Estimates from Flux Tower Measurements. Agronomy Journal, 2014, 106, 545-559.	0.9	40
178	Modeling canopy structure and heterogeneity across scales: From crowns to canopy. Forest Ecology and Management, 1997, 96, 217-229.	1.4	39
179	Soil respiration response to experimental disturbances over 3 years. Forest Ecology and Management, 2006, 228, 82-90.	1.4	39
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