Guirui Yu

List of Publications by Year
in descending order

385	23,086	7069	15683
papers	citations	78	125
		h-index	g-index

393	393	393	16026
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The impacts of climate change and human activities on biogeochemical cycles on the <scp>Q</scp>inghaiâ€<scp>T</scp>ibetan <scp>P</scp>lateau. Global Change Biology, 2013, 19, 2940-2955.	4.2	670
2	Stabilization of atmospheric nitrogen deposition in China over the past decade. Nature Geoscience, 2019, 12, 424-429.	5.4	490
3	Effects of national ecological restoration projects on carbon sequestration in China from 2001 to 2010. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4039-4044.	3.3	486
4	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
5	Carbon pools in Chinaâ€™s terrestrial ecosystems: New estimates based on an intensive field survey. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4021-4026.	3.3	466
6	Climate change, human impacts, and carbon sequestration in China. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4015-4020.	3.3	419
7	High carbon dioxide uptake by subtropical forest ecosystems in the East Asian monsoon region. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4910-4915.	3.3	403
8	Overview of ChinaFLUX and evaluation of its eddy covariance measurement. Agricultural and Forest Meteorology, 2006, 137, 125-137.	1.9	369
9	Aggravated phosphorus limitation on biomass production under increasing nitrogen loading: a metaâ€analysis. Global Change Biology, 2016, 22, 934-943.	4.2	359
10	Effects of vegetation control on ecosystem water use efficiency within and among four grassland ecosystems in China. Global Change Biology, 2008, 14, 1609-1619.	4.2	288
11	The composition, spatial patterns, and influencing factors of atmospheric wet nitrogen deposition in Chinese terrestrial ecosystems. Science of the Total Environment, 2015, 511, 777-785.	3.9	272
12	Waterâ€use efficiency of forest ecosystems in eastern China and its relations to climatic variables. New Phytologist, 2008, 177, 927-937.	3.5	262
13	Spatial patterns and climate drivers of carbon fluxes in terrestrial ecosystems of China. Global Change Biology, 2013, 19, 798-810.	4.2	256
14	Soil enzyme activity and stoichiometry in forest ecosystems along the North-South Transect in eastern China (NSTEC). Soil Biology and Biochemistry, 2017, 104, 152-163.	4.2	245
15	Spatial and decadal variations in inorganic nitrogen wet deposition in China induced by human activity. Scientific Reports, 2014, 4, 3763.	1.6	243
16	Carbon storage in the grasslands of China based on field measurements of above- and below-ground biomass. Climatic Change, 2008, 86, 375-396.	1.7	228
17	Partitioning of evapotranspiration and its controls in four grassland ecosystems: Application of a two-source model. Agricultural and Forest Meteorology, 2009, 149, 1410-1420.	1.9	227
18	Regional drought-induced reduction in the biomass carbon sink of Canada's boreal forests. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2423-2427.	3.3	225

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19	Comparison of satellite-based evapotranspiration models over terrestrial ecosystems in China. Remote Sensing of Environment, 2014, 140, 279-293.	4.6	217
20	The variations in soil microbial communities, enzyme activities and their relationships with soil organic matter decomposition along the northern slope of Changbai Mountain. Applied Soil Ecology, 2015, 86, 19-29.	2.1	174
21	Spatial variations in aboveground net primary productivity along a climate gradient in Eurasian temperate grassland: effects of mean annual precipitation and its seasonal distribution. Global Change Biology, 2012, 18, 3624-3631.	4.2	170
22	C:N:P stoichiometry in China's forests: From organs to ecosystems. Functional Ecology, 2018, 32, 50-60.	1.7	168
23	Short-term effect of increasing nitrogen deposition on CO2, CH4 and N2O fluxes in an alpine meadow on the Qinghai-Tibetan Plateau, China. Atmospheric Environment, 2010, 44, 2920-2926.	1.9	166
24	Methane emissions from rice paddies natural wetlands, lakes in China: synthesis new estimate. Global Change Biology, 2013, 19, 19-32.	4.2	166
25	Temperature sensitivity of soil respiration is affected by prevailing climatic conditions and soil organic carbon content: A trans-China based case study. Soil Biology and Biochemistry, 2009, 41, 1531-1540.	4.2	165
26	Diurnal, seasonal and annual variation in net ecosystem CO2 exchange of an alpine shrubland on Qinghai-Tibetan plateau. Global Change Biology, 2006, 12, 1940-1953.	4.2	162
27	A synthesis of the effect of grazing exclusion on carbon dynamics in grasslands in China. Global Change Biology, 2016, 22, 1385-1393.	4.2	157
28	Impacts of nitrogen and phosphorus additions on the abundance and community structure of ammonia oxidizers and denitrifying bacteria in Chinese fir plantations. Soil Biology and Biochemistry, 2016, 103, 284-293.	4.2	152
29	A global synthesis of the rate and temperature sensitivity of soil nitrogen mineralization: latitudinal patterns and mechanisms. Global Change Biology, 2017, 23, 455-464.	4.2	151
30	Soil inorganic carbon storage pattern in China. Global Change Biology, 2008, 14, 2380-2387.	4.2	150
31	Soil moisture effect on the temperature dependence of ecosystem respiration in a subtropical Pinus plantation of southeastern China. Agricultural and Forest Meteorology, 2006, 137, 166-175.	1.9	147
32	Chinese ecosystem research network: Progress and perspectives. Ecological Complexity, 2010, 7, 225-233.	1.4	146
33	Ecosystem Traits Linking Functional Traits to Macroecology. Trends in Ecology and Evolution, 2019, 34, 200-210.	4.2	140
34	Isotopic evidence for oligotrophication of terrestrial ecosystems. Nature Ecology and Evolution, 2018, 2, 1735-1744.	3.4	138
35	Effects of surface coatings on electrochemical properties and contaminant sorption of clay minerals. Chemosphere, 2002, 49, 619-628.	4.2	137
36	Climate control of terrestrial carbon exchange across biomes and continents. Environmental Research Letters, 2010, 5, 034007.	2.2	137

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37	Precipitation‐use efficiency along a 4500‐km grassland transect. Global Ecology and Biogeography, 2010, 19, 842-851.	2.7	133
38	Modeling gross primary production of alpine ecosystems in the Tibetan Plateau using MODIS images and climate data. Remote Sensing of Environment, 2007, 107, 510-519.	4.6	127
39	Severe summer heatwave and drought strongly reduced carbon uptake in Southern China. Scientific Reports, 2016, 6, 18813.	1.6	125
40	Variation and evolution of C:N ratio among different organs enable plants to adapt to N‐limited environments. Global Change Biology, 2020, 26, 2534-2543.	4.2	124
41	Environmental controls over carbon exchange of three forest ecosystems in eastern China. Global Change Biology, 2008, 14, 2555-2571.	4.2	123
42	Long‐term nitrogen addition modifies microbial composition and functions for slow carbon cycling and increased sequestration in tropical forest soil. Global Change Biology, 2019, 25, 3267-3281.	4.2	121
43	Ecosystem carbon exchanges of a subtropical evergreen coniferous plantation subjected to seasonal drought, 2003–2007. Biogeosciences, 2010, 7, 357-369.	1.3	118
44	Water use efficiency threshold for terrestrial ecosystem carbon sequestration in China under afforestation. Agricultural and Forest Meteorology, 2014, 195-196, 32-37.	1.9	118
45	Rubber plantations act as water pumps in tropical China. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	117
46	Variation of stomatal traits from cold temperate to tropical forests and association with water use efficiency. Functional Ecology, 2018, 32, 20-28.	1.7	115
47	Imbalanced atmospheric nitrogen and phosphorus depositions in China: Implications for nutrient limitation. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1605-1616.	1.3	113
48	Environmental influences on carbon dioxide fluxes over three grassland ecosystems in China. Biogeosciences, 2009, 6, 2879-2893.	1.3	111
49	Climate‐driven global changes in carbon use efficiency. Global Ecology and Biogeography, 2014, 23, 144-155.	2.7	111
50	Depression of net ecosystem CO2 exchange in semi-arid Leymus chinensis steppe and alpine shrub. Agricultural and Forest Meteorology, 2006, 137, 234-244.	1.9	108
51	Emissions of nitrous oxide from three tropical forests in Southern China in response to simulated nitrogen deposition. Plant and Soil, 2008, 306, 221-236.	1.8	106
52	Global pattern and controls of soil microbial metabolic quotient. Ecological Monographs, 2017, 87, 429-441.	2.4	106
53	Soil organic matter availability and climate drive latitudinal patterns in bacterial diversity from tropical to cold temperate forests. Functional Ecology, 2018, 32, 61-70.	1.7	106
54	Long-term effects of different land use types on C, N, and P stoichiometry and storage in subtropical ecosystems: A case study in China. Ecological Engineering, 2014, 67, 171-181.	1.6	104

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55	CO2 fluxes over an old, temperate mixed forest in northeastern China. Agricultural and Forest Meteorology, 2006, 137, 138-149.	1.9	103
56	The carbon budget of terrestrial ecosystems in East Asia over the last two decades. Biogeosciences, 2012, 9, 3571-3586.	1.3	103
57	Regional variation in the temperature sensitivity of soil organic matter decomposition in China's forests and grasslands. Global Change Biology, 2017, 23, 3393-3402.	4.2	101
58	Continuous measurement of water vapor D/H and 18O/16O isotope ratios in the atmosphere. Journal of Hydrology, 2008, 349, 489-500.	2.3	99
59	Coordinated pattern of multiâ€element variability in leaves and roots across <scp>C</scp>hinese forest biomes. Global Ecology and Biogeography, 2016, 25, 359-367.	2.7	99
60	Effects of cloudiness change on net ecosystem exchange, light use efficiency, and water use efficiency in typical ecosystems of China. Agricultural and Forest Meteorology, 2011, 151, 803-816.	1.9	98
61	Net ecosystem CO2 exchange and controlling factors in a steppeâ€"Kobresia meadow on the Tibetan Plateau. Science in China Series D: Earth Sciences, 2006, 49, 207-218.	0.9	97
62	Carbon sinks and sources in China's forests during 1901â€"2001. Journal of Environmental Management, 2007, 85, 524-537.	3.8	94
63	Leaf morphological and anatomical traits from tropical to temperate coniferous forests: Mechanisms and influencing factors. Scientific Reports, 2016, 6, 19703.	1.6	93
64	Water availability is more important than temperature in driving the carbon fluxes of an alpine meadow on the Tibetan Plateau. Agricultural and Forest Meteorology, 2018, 256-257, 22-31.	1.9	93
65	Altered trends in carbon uptake in China's terrestrial ecosystems under the enhanced summer monsoon and warming hiatus. National Science Review, 2019, 6, 505-514.	4.6	93
66	Root water uptake and profile soil water as affected by vertical root distribution. Plant Ecology, 2007, 189, 15-30.	0.7	92
67	Effects of nitrogen deposition on carbon cycle in terrestrial ecosystems of China: A meta-analysis. Environmental Pollution, 2015, 206, 352-360.	3.7	92
68	Development of atmospheric acid deposition in China from the 1990s to the 2010s. Environmental Pollution, 2017, 231, 182-190.	3.7	92
69	Vegetation carbon sequestration in Chinese forests from 2010 to 2050. Global Change Biology, 2017, 23, 1575-1584.	4.2	90
70	Water vapor and precipitation isotope ratios in Beijing, China. Journal of Geophysical Research, 2010, 115, .	3.3	89
71	Response of surface air temperature to small-scale land clearing across latitudes. Environmental Research Letters, 2014, 9, 034002.	2.2	89
72	Spatial variability of water use efficiency in China's terrestrial ecosystems. Global and Planetary Change, 2015, 129, 37-44.	1.6	89

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73	Climate and litter C/N ratio constrain soil organic carbon accumulation. National Science Review, 2019, 6, 746-757.	4.6	87
74	Recent progress and future directions of ChinaFLUX. Science in China Series D: Earth Sciences, 2006, 49, 1-23.	0.9	86
75	Temperature and precipitation control of the spatial variation of terrestrial ecosystem carbon exchange in the Asian region. Agricultural and Forest Meteorology, 2013, 182-183, 266-276.	1.9	86
76	Global inorganic nitrogen dry deposition inferred from ground- and space-based measurements. Scientific Reports, 2016, 6, 19810.	1.6	86
77	Carbon storage in Chinaâ€™s terrestrial ecosystems: A synthesis. Scientific Reports, 2018, 8, 2806.	1.6	86
78	An old-growth subtropical Asian evergreen forest as a large carbon sink. Atmospheric Environment, 2011, 45, 1548-1554.	1.9	85
79	Variation in leaf anatomical traits from tropical to coldâ€temperate forests and linkage to ecosystem functions. Functional Ecology, 2018, 32, 10-19.	1.7	82
80	Human activities aggravate nitrogen-deposition pollution to inland water over China. National Science Review, 2020, 7, 430-440.	4.6	80
81	Multiyear precipitation reduction strongly decreases carbon uptake over northern China. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 881-896.	1.3	79
82	Plant phenological modeling and its application in global climate change research: overview and future challenges. Environmental Reviews, 2013, 21, 1-14.	2.1	77
83	Latitudinal variation of leaf stomatal traits from species to community level in forests: linkage with ecosystem productivity. Scientific Reports, 2015, 5, 14454.	1.6	77
84	Aggregate size and their disruption affect 14C-labeled glucose mineralization and priming effect. Applied Soil Ecology, 2015, 90, 1-10.	2.1	77
85	The Altitudinal Patterns of Leaf Câ€¶Nâ€¶P Stoichiometry Are Regulated by Plant Growth Form, Climate and Soil on Changbai Mountain, China. PLoS ONE, 2014, 9, e95196.	1.1	76
86	Contrasting responses of gross primary productivity to precipitation events in a water-limited and a temperature-limited grassland ecosystem. Agricultural and Forest Meteorology, 2015, 214-215, 169-177.	1.9	75
87	How temperature, precipitation and stand age control the biomass carbon density of global mature forests. Global Ecology and Biogeography, 2014, 23, 323-333.	2.7	73
88	Deforestation decreases spatial turnover and alters the network interactions in soil bacterial communities. Soil Biology and Biochemistry, 2018, 123, 80-86.	4.2	73
89	Groundwater Nitrogen Pollution and Assessment of Its Health Risks: A Case Study of a Typical Village in Rural-Urban Continuum, China. PLoS ONE, 2012, 7, e33982.	1.1	71
90	Soil organic carbon budget and fertility variation of black soils in Northeast China. Ecological Research, 2006, 21, 855-867.	0.7	70

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91	Responses of CO2 efflux from an alpine meadow soil on the Qinghai Tibetan Plateau to multi-form and low-level N addition. Plant and Soil, 2012, 351, 177-190.	1.8	70
92	Dew water isotopic ratios and their relationships to ecosystem water pools and fluxes in a cropland and a grassland in China. Oecologia, 2012, 168, 549-561.	0.9	70
93	Modeling the water use efficiency of soybean and maize plants under environmental stresses: application of a synthetic model of photosynthesis-transpiration based on stomatal behavior. Journal of Plant Physiology, 2004, 161, 303-318.	1.6	69
94	Carbon dioxide exchange and the mechanism of environmental control in a farmland ecosystem in North China Plain. Science in China Series D: Earth Sciences, 2006, 49, 226-240.	0.9	69
95	Effects of multiple environmental factors on CO&lt;sub&gt;2&lt;/sub&gt; emission and CH&lt;sub&gt;4&lt;/sub&gt; uptake from old-growth forest soils. Biogeosciences, 2010, 7, 395-407.	1.3	69
96	Seasonal variations of ecosystem apparent quantum yield (Î±) and maximum photosynthesis rate (Pmax) of different forest ecosystems in China. Agricultural and Forest Meteorology, 2006, 137, 176-187.	1.9	68
97	Invariant allometric scaling of nitrogen and phosphorus in leaves, stems, and fine roots of woody plants along an altitudinal gradient. Journal of Plant Research, 2016, 129, 647-657.	1.2	68
98	Interannual variability of ecosystem carbon exchange: From observation to prediction. Global Ecology and Biogeography, 2017, 26, 1225-1237.	2.7	68
99	The optimum temperature of soil microbial respiration: Patterns and controls. Soil Biology and Biochemistry, 2018, 121, 35-42.	4.2	68
100	Nutrient resorption of coexistence species in alpine meadow of the Qinghai-Tibetan Plateau explains plant adaptation to nutrient-poor environment. Ecological Engineering, 2012, 44, 1-9.	1.6	67
101	An increasing trend in the ratio of transpiration to total terrestrial evapotranspiration in China from 1982 to 2015 caused by greening and warming. Agricultural and Forest Meteorology, 2019, 279, 107701.	1.9	67
102	Estimation of gross primary production over the terrestrial ecosystems in China. Ecological Modelling, 2013, 261-262, 80-92.	1.2	66
103	Different phylogenetic and environmental controls of firstâ€order root morphological and nutrient traits: Evidence ofÂmultidimensional root traits. Functional Ecology, 2018, 32, 29-39.	1.7	66
104	Changes in the temperature sensitivity of SOM decomposition with grassland succession: implications for soil C sequestration. Ecology and Evolution, 2013, 3, 5045-5054.	0.8	65
105	Changes in nitrogen-cycling microbial communities with depth in temperate and subtropical forest soils. Applied Soil Ecology, 2018, 124, 218-228.	2.1	64
106	Anthropogenic reactive nitrogen deposition and associated nutrient limitation effect on gross primary productivity in inland water of China. Journal of Cleaner Production, 2019, 208, 530-540.	4.6	64
107	Title is missing!. Plant and Soil, 2000, 227, 47-58.	1.8	61
108	Modeling evapotranspiration by combing a two-source model, a leaf stomatal model, and a light-use efficiency model. Journal of Hydrology, 2013, 501, 186-192.	2.3	61

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109	Low-level nitrogen deposition significantly inhibits methane uptake from an alpine meadow soil on the Qinghai–Tibetan Plateau. Geoderma, 2014, 213, 444-452.	2.3	61
110	Linkages between the soil organic matter fractions and the microbial metabolic functional diversity within a broad-leaved Korean pine forest. European Journal of Soil Biology, 2015, 66, 57-64.	1.4	61
111	Carbon sequestration of Chinese forests from 2010 to 2060: spatiotemporal dynamics and its regulatory strategies. Science Bulletin, 2022, 67, 836-843.	4.3	60
112	Impact of meteorological anomalies in the 2003 summer on Gross Primary Productivity in East Asia. Biogeosciences, 2010, 7, 641-655.	1.3	59
113	Equilibration of the terrestrial water, nitrogen, and carbon cycles: Advocating a health threshold for carbon storage. Ecological Engineering, 2013, 57, 366-374.	1.6	58
114	Increased soil organic carbon storage in Chinese terrestrial ecosystems from the 1980s to the 2010s. Journal of Chinese Geography, 2019, 29, 49-66.	1.5	58
115	The impact of averaging period on eddy fluxes observed at ChinaFLUX sites. Agricultural and Forest Meteorology, 2006, 137, 188-193.	1.9	57
116	Spatiotemporal variations of T/ET (the ratio of transpiration to evapotranspiration) in three forests of Eastern China. Ecological Indicators, 2015, 52, 411-421.	2.6	57
117	Greater diversity of soil fungal communities and distinguishable seasonal variation in temperate deciduous forests compared with subtropical evergreen forests of eastern China. FEMS Microbiology Ecology, 2017, 93, .	1.3	57
118	Shifts in the dynamics of productivity signal ecosystem state transitions at the biome-scale. Ecology Letters, 2018, 21, 1457-1466.	3.0	57
119	Covariation between gross primary production and ecosystem respiration across space and the underlying mechanisms: A global synthesis. Agricultural and Forest Meteorology, 2015, 203, 180-190.	1.9	56
120	Seasonal dynamics of water use efficiency of typical forest and grassland ecosystems in China. Journal of Forest Research, 2014, 19, 70-76.	0.7	55
121	Coupled effects of biogeochemical and hydrological processes on C, N, and P export during extreme rainfall events in a purple soil watershed in southwestern China. Journal of Hydrology, 2014, 511, 692-702.	2.3	55
122	Leaf non-structural carbohydrates regulated by plant functional groups and climate: Evidences from a tropical to cold-temperate forest transect. Ecological Indicators, 2016, 62, 22-31.	2.6	55
123	New insight into global blue carbon estimation under human activity in land-sea interaction area: A case study of China. Earth-Science Reviews, 2016, 159, 36-46.	4.0	54
124	Seasonal variation in carbon dioxide exchange over a 200-year-old Chinese broad-leaved Korean pine mixed forest. Agricultural and Forest Meteorology, 2006, 137, 150-165.	1.9	53
125	Spatio-temporal variation of photosynthetically active radiation in China in recent 50 years. Journal of Chinese Geography, 2010, 20, 803-817.	1.5	53
126	Carbon balance of a primary tropical seasonal rain forest. Journal of Geophysical Research, 2010, 115, .	3.3	53

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127	Partitioning of evapotranspiration through oxygen isotopic measurements of water pools and fluxes in a temperate grassland. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 358-372.	1.3	53
128	How recent climate change influences water use efficiency in East Asia. Theoretical and Applied Climatology, 2014, 116, 359-370.	1.3	53
129	Joint structural and physiological control on the interannual variation in productivity in a temperate grassland: A data–model comparison. Global Change Biology, 2018, 24, 2965-2979.	4.2	53
130	A MODIS-based Photosynthetic Capacity Model to estimate gross primary production in Northern China and the Tibetan Plateau. Remote Sensing of Environment, 2014, 148, 108-118.	4.6	52
131	Experimental nitrogen deposition alters the quantity and quality of soil dissolved organic carbon in an alpine meadow on the Qinghai-Tibetan Plateau. Applied Soil Ecology, 2014, 81, 1-11.	2.1	52
132	Patterns and regulating mechanisms of soil nitrogen mineralization and temperature sensitivity in Chinese terrestrial ecosystems. Agriculture, Ecosystems and Environment, 2016, 215, 40-46.	2.5	52
133	Allocation strategies for nitrogen and phosphorus in forest plants. Oikos, 2018, 127, 1506-1514.	1.2	52
134	Spatiotemporal dynamics of aboveground primary productivity along a precipitation gradient in Chinese temperate grassland. Science in China Series D: Earth Sciences, 2007, 50, 754-764.	0.9	51
135	Carbon exchanges and their responses to temperature and precipitation in forest ecosystems in Yunnan, Southwest China. Science of the Total Environment, 2018, 616-617, 824-840.	3.9	51
136	Biomass energy in China's terrestrial ecosystems: Insights into the nation's sustainable energy supply. Renewable and Sustainable Energy Reviews, 2020, 127, 109857.	8.2	51
137	Canopy water use efficiency of winter wheat in the North China Plain. Agricultural Water Management, 2007, 93, 99-108.	2.4	50
138	Large–scale estimation and uncertainty analysis of gross primary production in Tibetan alpine grasslands. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 466-486.	1.3	50
139	Light-intensity grazing improves alpine meadow productivity and adaption to climate change on the Tibetan Plateau. Scientific Reports, 2015, 5, 15949.	1.6	50
140	Primary estimation of Chinese terrestrial carbon sequestration during 2001–2010. Science Bulletin, 2015, 60, 577-590.	4.3	50
141	Environmental variables better explain changes in potential nitrification and denitrification activities than microbial properties in fertilized forest soils. Science of the Total Environment, 2019, 647, 653-662.	3.9	50
142	Interannual variability of terrestrial net ecosystem productivity over China: regional contributions and climate attribution. Environmental Research Letters, 2019, 14, 014003.	2.2	50
143	Microbial metabolic response to winter warming stabilizes soil carbon. Global Change Biology, 2021, 27, 2011-2028.	4.2	50
144	Respiration controls the unexpected seasonal pattern of carbon flux in an Asian tropical rain forest. Atmospheric Environment, 2010, 44, 3886-3893.	1.9	49

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145	Soil nitrate accumulation explains the nonlinear responses of soil CO2 and CH4 fluxes to nitrogen addition in a temperate needle-broadleaved mixed forest. Ecological Indicators, 2017, 79, 28-36.	2.6	49
146	Grazing-induced increases in soil moisture maintain higher productivity during droughts in alpine meadows on the Tibetan Plateau. Agricultural and Forest Meteorology, 2019, 269-270, 249-256.	1.9	49
147	Spatiotemporal Pattern of Soil Respiration of Terrestrial Ecosystems in China: The Development of a Geostatistical Model and Its Simulation. Environmental Science & Technology, 2010, 44, 6074-6080.	4.6	48
148	Soil carbon fractions in grasslands respond differently to various levels of nitrogen enrichments. Plant and Soil, 2014, 384, 401-412.	1.8	48
149	Biotic and climatic controls on interannual variability in carbon fluxes across terrestrial ecosystems. Agricultural and Forest Meteorology, 2015, 205, 11-22.	1.9	47
150	Conservative allocation strategy of multiple nutrients among major plant organs: From species to community. Journal of Ecology, 2020, 108, 267-278.	1.9	47
151	Determining dominating control mechanisms of inland water carbon cycling processes and associated gross primary productivity on regional and global scales. Earth-Science Reviews, 2021, 213, 103497.	4.0	47
152	A data-model fusion approach for upscaling gross ecosystem productivity to the landscape scale based on remote sensing and flux footprint modelling. Biogeosciences, 2010, 7, 2943-2958.	1.3	46
153	Precipitation frequency controls interannual variation of soil respiration by affecting soil moisture in a subtropical forest plantation. Canadian Journal of Forest Research, 2011, 41, 1897-1906.	0.8	46
154	Seasonal and inter-annual variations in net ecosystem exchange of two old-growth forests in southern China. Agricultural and Forest Meteorology, 2013, 182-183, 257-265.	1.9	46
155	Changes in soil heterotrophic respiration, carbon availability, and microbial function in seven forests along a climate gradient. Ecological Research, 2014, 29, 1077-1086.	0.7	45
156	Estimation of evapotranspiration over the terrestrial ecosystems in China. Ecohydrology, 2014, 7, 139-149.	1.1	45
157	Soil microbial respiration rate and temperature sensitivity along a north–south forest transect in eastern China: Patterns and influencing factors. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 399-410.	1.3	45
158	Latitudinal variation of leaf morphological traits from species to communities along a forest transect in eastern China. Journal of Chinese Geography, 2016, 26, 15-26.	1.5	44
159	Contrasting responses of phosphatase kinetic parameters to nitrogen and phosphorus additions in forest soils. Functional Ecology, 2018, 32, 106-116.	1.7	44
160	Redefinition and global estimation of basal ecosystem respiration rate. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	1.9	43
161	Comparative study of the net exchange of CO2 in 3 types of vegetation ecosystems on the Qinghai-Tibetan Plateau. Science Bulletin, 2005, 50, 1767.	1.7	42
162	Nitrogen-15 signals of leaf-litter-soil continuum as a possible indicator of ecosystem nitrogen saturation by forest succession and N loads. Biogeochemistry, 2011, 102, 251-263.	1.7	42

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163	The contrasting effects of deposited NH4+ and NO3â'' on soil CO2, CH4 and N2O fluxes in a subtropical plantation, southern China. Ecological Engineering, 2015, 85, 317-327.	1.6	42
164	Aggregate size and glucose level affect priming sources: A three-source-partitioning study. Soil Biology and Biochemistry, 2016, 97, 199-210.	4.2	42
165	Underestimated ecosystem carbon turnover time and sequestration under the steady state assumption: A perspective from longâ€term data assimilation. Global Change Biology, 2019, 25, 938-953.	4.2	42
166	Modeling gross primary production of a temperate grassland ecosystem in Inner Mongolia, China, using MODIS imagery and climate data. Science in China Series D: Earth Sciences, 2008, 51, 1501-1512.	0.9	41
167	Impact of cloudiness on net ecosystem exchange of carbon dioxide in different types of forest ecosystems in China. Biogeosciences, 2010, 7, 711-722.	1.3	41
168	Patterns of SOC and soil 13C and their relations to climatic factors and soil characteristics on the Qinghaiâ€"Tibetan Plateau. Plant and Soil, 2013, 363, 243-255.	1.8	41
169	Contrasting effects of ammonium and nitrate inputs on soil CO2 emission in a subtropical coniferous plantation of southern China. Biology and Fertility of Soils, 2015, 51, 815-825.	2.3	41
170	Simulation of diurnal variations of CO2, water and heat fluxes over winter wheat with a model coupled photosynthesis and transpiration. Agricultural and Forest Meteorology, 2006, 137, 194-219.	1.9	40
171	Seasonal dynamics of CO2 fluxes from subtropical plantation coniferous ecosystem. Science in China Series D: Earth Sciences, 2006, 49, 99-109.	0.9	40
172	Warming and increased precipitation individually influence soil carbon sequestration of Inner Mongolian grasslands, China. Agriculture, Ecosystems and Environment, 2012, 158, 184-191.	2.5	40
173	Simulated Nitrogen Deposition Reduces CH4 Uptake and Increases N2O Emission from a Subtropical Plantation Forest Soil in Southern China. PLoS ONE, 2014, 9, e93571.	1.1	40
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