Guirui Yu

List of Publications by Citations

378 papers	15,567 citations	63 h-index	102 g-index
389 ext. papers	19,364 ext. citations	5.5 avg, IF	6.58 L-index

#	Paper	IF	Citations
378	The impacts of climate change and human activities on biogeochemical cycles on the Qinghai-Tibetan Plateau. *Global Change Biology*, **2013**, 19, 2940-55	11.4	428
377	Global estimates of evapotranspiration and gross primary production based on MODIS and global meteorology data. *Remote Sensing of Environment*, **2010**, 114, 1416-1431	13.2	351
376	Overview of ChinaFLUX and evaluation of its eddy covariance measurement. *Agricultural and Forest Meteorology*, **2006**, 137, 125-137	5.8	277
375	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, 4910-5	11.5	266
374	Stabilization of atmospheric nitrogen deposition in China over the past decade. *Nature Geoscience*, **2019**, 12, 424-429	18.3	232
373	Effects of vegetation control on ecosystem water use efficiency within and among four grassland ecosystems in China. *Global Change Biology*, **2008**, 14, 1609-1619	11.4	216
372	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	11.5	210
371	Aggravated phosphorus limitation on biomass production under increasing nitrogen loading: a meta-analysis. *Global Change Biology*, **2016**, 22, 934-43	11.4	205
370	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	11.5	199
369	Spatial patterns and climate drivers of carbon fluxes in terrestrial ecosystems of China. *Global Change Biology*, **2013**, 19, 798-810	11.4	199
368	Water-use efficiency of forest ecosystems in eastern China and its relations to climatic variables. *New Phytologist*, **2008**, 177, 927-937	9.8	196
367	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, 2423-7	11.5	195
366	Carbon pools in China'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	11.5	194
365	The composition, spatial patterns, and influencing factors of atmospheric wet nitrogen deposition in Chinese terrestrial ecosystems. *Science of the Total Environment*, **2015**, 511, 777-85	10.2	193
364	Spatial and decadal variations in inorganic nitrogen wet deposition in China induced by human activity. *Scientific Reports*, **2014**, 4, 3763	4.9	191
363	Partitioning of evapotranspiration and its controls in four grassland ecosystems: Application of a two-source model. *Agricultural and Forest Meteorology*, **2009**, 149, 1410-1420	5.8	182
362	Carbon storage in the grasslands of China based on field measurements of above- and below-ground biomass. *Climatic Change*, **2008**, 86, 375-396	4.5	181

361	Comparison of satellite-based evapotranspiration models over terrestrial ecosystems in China. *Remote Sensing of Environment*, **2014**, 140, 279-293	13.2	166
360	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	7.5	143
359	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	11.4	140
358	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	5.3	139
357	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	7.5	134
356	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	5	131
355	Methane emissions from rice paddies natural wetlands, and lakes in China: synthesis and new estimate. *Global Change Biology*, **2013**, 19, 19-32	11.4	128
354	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	11.4	125
353	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	5.8	124
352	Climate control of terrestrial carbon exchange across biomes and continents. *Environmental Research Letters*, **2010**, 5, 034007	6.2	116
351	Effects of surface coatings on electrochemical properties and contaminant sorption of clay minerals. *Chemosphere*, **2002**, 49, 619-28	8.4	116
350	Soil inorganic carbon storage pattern in China. *Global Change Biology*, **2008**, 14, 2380-2387	11.4	115
349	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	13.2	112
348	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	7.5	109
347	Chinese ecosystem research network: Progress and perspectives. *Ecological Complexity*, **2010**, 7, 225-233	2.6	105
346	C:N:P stoichiometry in China's forests: From organs to ecosystems. *Functional Ecology*, **2018**, 32, 50-60	5.6	98
345	Environmental controls over carbon exchange of three forest ecosystems in eastern China. *Global Change Biology*, **2008**, 14, 2555-2571	11.4	97
344	A synthesis of the effect of grazing exclusion on carbon dynamics in grasslands in China. *Global Change Biology*, **2016**, 22, 1385-93	11.4	96

343	Ecosystem carbon exchanges of a subtropical evergreen coniferous plantation subjected to seasonal drought, 2003–2007. *Biogeosciences*, **2010**, 7, 357-369	4.6	96
342	Depression of net ecosystem CO2 exchange in semi-arid Leymus chinensis steppe and alpine shrub. *Agricultural and Forest Meteorology*, **2006**, 137, 234-244	5.8	96
341	Precipitation-use efficiency along a 4500-km grassland transect. *Global Ecology and Biogeography*, **2010**, 19, 842-851	6.1	95
340	Water use efficiency threshold for terrestrial ecosystem carbon sequestration in China under afforestation. *Agricultural and Forest Meteorology*, **2014**, 195-196, 32-37	5.8	94
339	Environmental influences on carbon dioxide fluxes over three grassland ecosystems in China. *Biogeosciences*, **2009**, 6, 2879-2893	4.6	92
338	A global synthesis of the rate and temperature sensitivity of soil nitrogen mineralization: latitudinal patterns and mechanisms. *Global Change Biology*, **2017**, 23, 455-464	11.4	89
337	Emissions of nitrous oxide from three tropical forests in Southern China in response to simulated nitrogen deposition. *Plant and Soil*, **2008**, 306, 221-236	4.2	89
336	Net ecosystem CO2 exchange and controlling factors in a steppe–Kobresia meadow on the Tibetan Plateau. *Science in China Series D: Earth Sciences*, **2006**, 49, 207-218		85
335	CO2 fluxes over an old, temperate mixed forest in northeastern China. *Agricultural and Forest Meteorology*, **2006**, 137, 138-149	5.8	84
334	The carbon budget of terrestrial ecosystems in East Asia over the last two decades. *Biogeosciences*, **2012**, 9, 3571-3586	4.6	83
333	Rubber plantations act as water pumps in tropical China. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	83
332	Continuous measurement of water vapor D/H and 18O/16O isotope ratios in the atmosphere. *Journal of Hydrology*, **2008**, 349, 489-500	6	82
331	Isotopic evidence for oligotrophication of terrestrial ecosystems. *Nature Ecology and Evolution*, **2018**, 2, 1735-1744	12.3	82
330	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	3.9	80
329	Climate-driven global changes in carbon use efficiency. *Global Ecology and Biogeography*, **2014**, 23, 144-155	6.1	78
328	Severe summer heatwave and drought strongly reduced carbon uptake in Southern China. *Scientific Reports*, **2016**, 6, 18813	4.9	78
327	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	5.8	77
326	Water vapor and precipitation isotope ratios in Beijing, China. *Journal of Geophysical Research*, **2010**, 115,		72

325	Effects of nitrogen deposition on carbon cycle in terrestrial ecosystems of China: A meta-analysis. *Environmental Pollution*, **2015**, 206, 352-60	9.3	71
324	Root water uptake and profile soil water as affected by vertical root distribution. *Plant Ecology*, **2007**, 189, 15-30	1.7	70
323	Global inorganic nitrogen dry deposition inferred from ground- and space-based measurements. *Scientific Reports*, **2016**, 6, 19810	4.9	69
322	Carbon sinks and sources in China's forests during 1901-2001. *Journal of Environmental Management*, **2007**, 85, 524-37	7.9	69
321	Global pattern and controls of soil microbial metabolic quotient. *Ecological Monographs*, **2017**, 87, 429-441	9	68
320	Development of atmospheric acid deposition in China from the 1990s to the 2010s. *Environmental Pollution*, **2017**, 231, 182-190	9.3	65
319	An old-growth subtropical Asian evergreen forest as a large carbon sink. *Atmospheric Environment*, **2011**, 45, 1548-1554	5.3	65
318	Coordinated pattern of multi-element variability in leaves and roots across Chinese forest biomes. *Global Ecology and Biogeography*, **2016**, 25, 359-367	6.1	64
317	Ecosystem Traits Linking Functional Traits to Macroecology. *Trends in Ecology and Evolution*, **2019**, 34, 200-210	10.9	64
316	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	5.8	63
315	Recent progress and future directions of ChinaFLUX. *Science in China Series D: Earth Sciences*, **2006**, 49, 1-23		63
314	Imbalanced atmospheric nitrogen and phosphorus depositions in China: Implications for nutrient limitation. *Journal of Geophysical Research G: Biogeosciences*, **2016**, 121, 1605-1616	3.7	63
313	Soil organic matter availability and climate drive latitudinal patterns in bacterial diversity from tropical to cold temperate forests. *Functional Ecology*, **2018**, 32, 61-70	5.6	63
312	Response of surface air temperature to small-scale land clearing across latitudes. *Environmental Research Letters*, **2014**, 9, 034002	6.2	62
311	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		60
310	Regional variation in the temperature sensitivity of soil organic matter decomposition in China's forests and grasslands. *Global Change Biology*, **2017**, 23, 3393-3402	11.4	58
309	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	4.2	57
308	Plant phenological modeling and its application in global climate change research: overview and future challenges. *Environmental Reviews*, **2013**, 21, 1-14	4.5	57

307	Dew water isotopic ratios and their relationships to ecosystem water pools and fluxes in a cropland and a grassland in China. *Oecologia*, **2012**, 168, 549-61	2.9	56
306	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, 303-18	3.6	56
305	Variation of stomatal traits from cold temperate to tropical forests and association with water use efficiency. *Functional Ecology*, **2018**, 32, 20-28	5.6	56
304	Changes in the temperature sensitivity of SOM decomposition with grassland succession: implications for soil C sequestration. *Ecology and Evolution*, **2013**, 3, 5045-54	2.8	55
303	Soil organic carbon budget and fertility variation of black soils in Northeast China. *Ecological Research*, **2006**, 21, 855-867	1.9	55
302	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	3.7	54
301	Leaf morphological and anatomical traits from tropical to temperate coniferous forests: Mechanisms and influencing factors. *Scientific Reports*, **2016**, 6, 19703	4.9	53
300	Aggregate size and their disruption affect 14C-labeled glucose mineralization and priming effect. *Applied Soil Ecology*, **2015**, 90, 1-10	5	53
299	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	5.8	51
298	How temperature, precipitation and stand age control the biomass carbon density of global mature forests. *Global Ecology and Biogeography*, **2014**, 23, 323-333	6.1	51
297	Seasonal variations of ecosystem apparent quantum yield (Φ) and maximum photosynthesis rate (Pmax) of different forest ecosystems in China. *Agricultural and Forest Meteorology*, **2006**, 137, 176-187	5.8	51
296	Estimation of gross primary production over the terrestrial ecosystems in China. *Ecological Modelling*, **2013**, 261-262, 80-92	3	50
295	Impact of meteorological anomalies in the 2003 summer on Gross Primary Productivity in East Asia. *Biogeosciences*, **2010**, 7, 641-655	4.6	50
294	Effects of multiple environmental factors on CO₂ emission and CH₄ uptake from old-growth forest soils. *Biogeosciences*, **2010**, 7, 395-407	4.6	50
293	A proposal for universal formulas for estimating leaf water status of herbaceous and woody plants based on spectral reflectance properties. *Plant and Soil*, **2000**, 227, 47-58	4.2	50
292	Equilibration of the terrestrial water, nitrogen, and carbon cycles: Advocating a health threshold for carbon storage. *Ecological Engineering*, **2013**, 57, 366-374	3.9	49
291	The altitudinal patterns of leaf C:N:P stoichiometry are regulated by plant growth form, climate and soil on Changbai Mountain, China. *PLoS ONE*, **2014**, 9, e95196	3.7	49
290	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	11.4	48

289	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	5.8	48
288	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	3.9	48
287	The impact of averaging period on eddy fluxes observed at ChinaFLUX sites. *Agricultural and Forest Meteorology*, **2006**, 137, 188-193	5.8	48
286	Multiyear precipitation reduction strongly decreases carbon uptake over northern China. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 881-896	3.7	47
285	Spatial variability of water use efficiency in China's terrestrial ecosystems. *Global and Planetary Change*, **2015**, 129, 37-44	4.2	46
284	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	2.9	46
283	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	6	46
282	Respiration controls the unexpected seasonal pattern of carbon flux in an Asian tropical rain forest. *Atmospheric Environment*, **2010**, 44, 3886-3893	5.3	46
281	Latitudinal variation of leaf stomatal traits from species to community level in forests: linkage with ecosystem productivity. *Scientific Reports*, **2015**, 5, 14454	4.9	45
280	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	5.8	45
279	Human activities aggravate nitrogen-deposition pollution to inland water over China. *National Science Review*, **2020**, 7, 430-440	10.8	45
278	Variation in leaf anatomical traits from tropical to cold-temperate forests and linkage to ecosystem functions. *Functional Ecology*, **2018**, 32, 10-19	5.6	44
277	Different phylogenetic and environmental controls of first-order root morphological and nutrient traits: Evidence of multidimensional root traits. *Functional Ecology*, **2018**, 32, 29-39	5.6	44
276	Low-level nitrogen deposition significantly inhibits methane uptake from an alpine meadow soil on the Qinghai Tibetan Plateau. *Geoderma*, **2014**, 213, 444-452	6.7	44
275	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	13.2	44
274	Changes in nitrogen-cycling microbial communities with depth in temperate and subtropical forest soils. *Applied Soil Ecology*, **2018**, 124, 218-228	5	44
273	Deforestation decreases spatial turnover and alters the network interactions in soil bacterial communities. *Soil Biology and Biochemistry*, **2018**, 123, 80-86	7.5	44
272	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	5.8	43

271	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	3.7	43
270	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		43
269	Canopy water use efficiency of winter wheat in the North China Plain. *Agricultural Water Management*, **2007**, 93, 99-108	5.9	43
268	Interannual variability of ecosystem carbon exchange: From observation to prediction. *Global Ecology and Biogeography*, **2017**, 26, 1225-1237	6.1	42
267	Carbon storage in China's terrestrial ecosystems: A synthesis. *Scientific Reports*, **2018**, 8, 2806	4.9	42
266	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	10.2	42
265	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	2.6	42
264	Carbon balance of a primary tropical seasonal rain forest. *Journal of Geophysical Research*, **2010**, 115,		42
263	Spatio-temporal variation of photosynthetically active radiation in China in recent 50 years. *Journal of Chinese Geography*, **2010**, 20, 803-817	3.7	41
262	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	10.3	41
261	Vegetation carbon sequestration in Chinese forests from 2010 to 2050. *Global Change Biology*, **2017**, 23, 1575-1584	11.4	40
260	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	4.6	40
259	Seasonal dynamics of water use efficiency of typical forest and grassland ecosystems in China. *Journal of Forest Research*, **2014**, 19, 70-76	1.4	39
258	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	6	38
257	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		38
256	The optimum temperature of soil microbial respiration: Patterns and controls. *Soil Biology and Biochemistry*, **2018**, 121, 35-42	7.5	37
255	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	1.9	37
254	Patterns and regulating mechanisms of soil nitrogen mineralization and temperature sensitivity in Chinese terrestrial ecosystems. *Agriculture, Ecosystems and Environment*, **2016**, 215, 40-46	5.7	36

253	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	5.8	36
252	Light-intensity grazing improves alpine meadow productivity and adaption to climate change on the Tibetan Plateau. *Scientific Reports*, **2015**, 5, 15949	4.9	36
251	Biotic and climatic controls on interannual variability in carbon fluxes across terrestrial ecosystems. *Agricultural and Forest Meteorology*, **2015**, 205, 11-22	5.8	36
250	Divergent changes in plant community composition under 3-decade grazing exclusion in continental steppe. *PLoS ONE*, **2011**, 6, e26506	3.7	36
249	Shifts in the dynamics of productivity signal ecosystem state transitions at the biome-scale. *Ecology Letters*, **2018**, 21, 1457-1466	10	35
248	Comparative study of the net exchange of CO2 in 3 types of vegetation ecosystems on the Qinghai-Tibetan Plateau. *Science Bulletin*, **2005**, 50, 1767		35
247	Variation and evolution of C:N ratio among different organs enable plants to adapt to N-limited environments. *Global Change Biology*, **2019**, 26, 2534	11.4	35
246	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	3.7	34
245	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	5	34
244	Changes in soil heterotrophic respiration, carbon availability, and microbial function in seven forests along a climate gradient. *Ecological Research*, **2014**, 29, 1077-1086	1.9	34
243	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	3.8	34
242	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	5.8	34
241	Climate and litter C/N ratio constrain soil organic carbon accumulation. *National Science Review*, **2019**, 6, 746-757	10.8	33
240	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	6.1	33
239	Large-scale estimation and uncertainty analysis of gross primary production in Tibetan alpine grasslands. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 466-486	3.7	33
238	How recent climate change influences water use efficiency in East Asia. *Theoretical and Applied Climatology*, **2014**, 116, 359-370	3	33
237	Redefinition and global estimation of basal ecosystem respiration rate. *Global Biogeochemical Cycles*, **2011**, 25, n/a-n/a	5.9	33
236	Intercomparison of Four Commercial Analyzers for Water Vapor Isotope Measurement. *Journal of Atmospheric and Oceanic Technology*, **2012**, 29, 235-247	2	33

235	Seasonal dynamics of CO2 fluxes from subtropical plantation coniferous ecosystem. *Science in China Series D: Earth Sciences*, **2006**, 49, 99-109		33
234	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	10.2	33
233	Spatiotemporal variations of T/ET (the ratio of transpiration to evapotranspiration) in three forests of Eastern China. *Ecological Indicators*, **2015**, 52, 411-421	5.8	32
232	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	5.8	32
231	Soil carbon fractions in grasslands respond differently to various levels of nitrogen enrichments. *Plant and Soil*, **2014**, 384, 401-412	4.2	32
230	Simulated nitrogen deposition reduces CH4 uptake and increases N2O emission from a subtropical plantation forest soil in southern China. *PLoS ONE*, **2014**, 9, e93571	3.7	32
229	Estimation of evapotranspiration over the terrestrial ecosystems in China. *Ecohydrology*, **2014**, 7, 139-149	2.5	32
228	Spatiotemporal variability analysis of diffuse radiation in China during 1981–2010. *Annales Geophysicae*, **2013**, 31, 277-289	2	32
227	Underestimated effects of low temperature during early growing season on carbon sequestration of a subtropical coniferous plantation. *Biogeosciences*, **2011**, 8, 1667-1678	4.6	32
226	Effects of experimental nitrogen additions on plant diversity in tropical forests of contrasting disturbance regimes in southern China. *Environmental Pollution*, **2011**, 159, 2228-35	9.3	32
225	Impact of cloudiness on net ecosystem exchange of carbon dioxide in different types of forest ecosystems in China. *Biogeosciences*, **2010**, 7, 711-722	4.6	32
224	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	11.4	31
223	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,	4.3	31
222	Spatiotemporal pattern of soil respiration of terrestrial ecosystems in China: the development of a geostatistical model and its simulation. *Environmental Science & Technology*, **2010**, 44, 6074-80	10.3	31
221	13C abundance, water-soluble and microbial biomass carbon as potential indicators of soil organic carbon dynamics in subtropical forests at different successional stages and subject to different nitrogen loads. *Plant and Soil*, **2009**, 320, 243-254	4.2	31
220	Effect of water stress on ecosystem photosynthesis and respiration of a Leymus chinensis steppe in Inner Mongolia. *Science in China Series D: Earth Sciences*, **2006**, 49, 196-206		31
219	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	3.7	31
218	The fluxes of CO2 from grazed and fenced temperate steppe during two drought years on the Inner Mongolia Plateau, China. *Science of the Total Environment*, **2011**, 410-411, 182-90	10.2	30

217	Modeling the impact of drought on canopy carbon and water fluxes for a subtropical evergreen coniferous plantation in southern China through parameter optimization using an ensemble Kalman filter. *Biogeosciences*, **2010**, 7, 845-857	4.6	30
216	Impacts of precipitation seasonality and ecosystem types on evapotranspiration in the Yukon River Basin, Alaska. *Water Resources Research*, **2010**, 46,	5.4	30
215	Foliar and soil 15N natural abundances provide field evidence on nitrogen dynamics in temperate and boreal forest ecosystems. *Plant and Soil*, **2010**, 337, 285-297	4.2	30
214	Site-level model–data synthesis of terrestrial carbon fluxes in the CarboEastAsia eddy-covariance observation network: toward future modeling efforts. *Journal of Forest Research*, **2013**, 18, 13-20	1.4	29
213	Ecosystem respiration and its controlling factors in a coniferous and broad-leaved mixed forest in Dinghushan, China. *Acta Ecologica Sinica*, **2007**, 27, 2659-2668	2.7	29
212	Aggregate size and glucose level affect priming sources: A three-source-partitioning study. *Soil Biology and Biochemistry*, **2016**, 97, 199-210	7.5	29
211	Responses of gross primary productivity to different sizes of precipitation events in a temperate grassland ecosystem in Inner Mongolia, China. *Journal of Arid Land*, **2016**, 8, 36-46	2.2	28
210	Effects of atmospheric reactive phosphorus deposition on phosphorus transport in a subtropical watershed: A Chinese case study. *Environmental Pollution*, **2017**, 226, 69-78	9.3	28
209	Contrasting responses of phosphatase kinetic parameters to nitrogen and phosphorus additions in forest soils. *Functional Ecology*, **2018**, 32, 106-116	5.6	28
208	An observational study of the carbon-sink strength of East Asian subtropical evergreen forests. *Environmental Research Letters*, **2012**, 7, 044017	6.2	28
207	Scaling up ecosystem productivity from patch to landscape: a case study of Changbai Mountain Nature Reserve, China. *Landscape Ecology*, **2007**, 22, 303-315	4.3	28
206	Elevation-related variation in leaf stomatal traits as a function of plant functional type: evidence from Changbai Mountain, China. *PLoS ONE*, **2014**, 9, e115395	3.7	28
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