

# On the separation of net ecosystem exchange into assimilation and respiration: a critical review and improved algorithm

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Citation Report

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3	Temperate forest trees and stands under severe drought: a review of ecophysiological responses, adaptation processes and long-term consequences. <i>Annals of Forest Science</i> , 2006, 63, 625-644.	0.8	1,430
4	A sensitivity analysis of the land-surface scheme JULES conducted for three forest biomes: Biophysical parameters, model processes, and meteorological driving data. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	1.9	32
5	Interpreting the dependence of soil respiration on soil temperature and water content in a boreal aspen stand. <i>Agricultural and Forest Meteorology</i> , 2006, 140, 220-235.	1.9	262
6	Carbon dioxide and energy fluxes from a boreal mixedwood forest ecosystem in Ontario, Canada. <i>Agricultural and Forest Meteorology</i> , 2006, 140, 79-96.	1.9	90
7	An evaluation of models for partitioning eddy covariance-measured net ecosystem exchange into photosynthesis and respiration. <i>Agricultural and Forest Meteorology</i> , 2006, 141, 2-18.	1.9	186
8	Comparing simple respiration models for eddy flux and dynamic chamber data. <i>Agricultural and Forest Meteorology</i> , 2006, 141, 219-234.	1.9	120
9	Towards a standardized processing of Net Ecosystem Exchange measured with eddy covariance technique: algorithms and uncertainty estimation. <i>Biogeosciences</i> , 2006, 3, 571-583.	1.3	1,206
10	Natural Variability in a Stable, 1000-Yr Global Coupled Climateâ€™Carbon Cycle Simulation. <i>Journal of Climate</i> , 2006, 19, 3033-3054.	1.2	199
11	A semi-parametric gap-filling model for eddy covariance CO2 flux time series data. <i>Global Change Biology</i> , 2006, 12, 1707-1716.	4.2	31
12	Determinants of terrestrial ecosystem carbon balance inferred from European eddy covariance flux sites. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	223
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15	Components of ecosystem respiration and an estimate of net primary productivity of an intermediate-aged Douglas-fir stand. <i>Agricultural and Forest Meteorology</i> , 2007, 144, 44-57.	1.9	108
16	A method to estimate the additional uncertainty in gap-filled NEE resulting from long gaps in the CO2 flux record. <i>Agricultural and Forest Meteorology</i> , 2007, 147, 199-208.	1.9	159
17	Inter-annual variability in carbon dioxide exchange of an oak/grass savanna and open grassland in California. <i>Agricultural and Forest Meteorology</i> , 2007, 147, 157-171.	1.9	356
18	Comprehensive comparison of gap-filling techniques for eddy covariance net carbon fluxes. <i>Agricultural and Forest Meteorology</i> , 2007, 147, 209-232.	1.9	744
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20	Mean annual GPP of Europe derived from its water balance. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	104

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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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1336	El Niño Southern Oscillation (ENSO) event reduces CO <sub>2</sub> uptake of an Indonesian oil palm plantation. <i>Biogeosciences</i> , 2019, 16, 2873-2890.	1.3	19
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1338	Sensitivity of Methane Emissions to Later Soil Freezing in Arctic Tundra Ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2595-2609.	1.3	26
1339	Carbon dynamics and environmental controls of a hilly tea plantation in Southeast China. <i>Ecology and Evolution</i> , 2019, 9, 9723-9735.	0.8	7
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#	ARTICLE	IF	CITATIONS
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1926	A canopy conductance model with temporal physiological and environmental factors. <i>Science of the Total Environment</i> , 2021, 791, 148283.	3.9	6
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1928	Gap-filling eddy covariance methane fluxes: Comparison of machine learning model predictions and uncertainties at FLUXNET-CH <sub>4</sub> wetlands. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108528.	1.9	33
1929	Effects of human-induced land degradation on water and carbon fluxes in two different Brazilian dryland soil covers. <i>Science of the Total Environment</i> , 2021, 792, 148458.	3.9	15
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1948	Recurrence Analysis of Eddy Covariance Fluxes. <i>Springer Proceedings in Physics</i> , 2016, , 301-319.	0.1	1
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1950	The Role of Vineyards in the Carbon Balance Throughout Italy. <i>Environmental Science and Engineering</i> , 2015, , 159-171.	0.1	5
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1997	Examining the link between vegetation leaf area and land-atmosphere exchange of water, energy, and carbon fluxes using FLUXNET data. <i>Biogeosciences</i> , 2020, 17, 4443-4457.	1.3	18
1998	Decomposing reflectance spectra to track gross primary production in a subalpine evergreen forest. <i>Biogeosciences</i> , 2020, 17, 4523-4544.	1.3	20
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2006	An empirical model simulating diurnal and seasonal CO <sub>2</sub> flux for diverse vegetation types and climate conditions. <i>Biogeosciences</i> , 2009, 6, 585-599.	1.3	19
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2107	Temporal interpolation of land surface fluxes derived from remote sensing - results with an unmanned aerial system. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3643-3661.	1.9	8
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2196	Evaluation of LandscapeDNDC Model Predictions of CO <sub>2</sub> and N <sub>2</sub> O Fluxes from an Oak Forest in SE England. <i>Forests</i> , 2021, 12, 1517.	0.9	4
2197	Potential of typical highland and mountain forests in the Czech Republic for climate-smart forestry: ecosystem-scale drought responses. <i>Canadian Journal of Forest Research</i> , 2021, 51, 1811-1820.	0.8	3
2198	Modelling actual evapotranspiration using a two source energy balance model with Sentinel imagery in herbaceous-free and herbaceous-cover Mediterranean olive orchards. <i>Agricultural and Forest Meteorology</i> , 2021, 311, 108692.	1.9	14
2199	Land uses changed the dynamics and controls of carbon-water exchanges in alkali-saline Songnen Plain of Northeast China. <i>Ecological Indicators</i> , 2021, 133, 108353.	2.6	11
2200	A long-term (2005–2019) eddy covariance data set of CO <sub>2</sub> , CH <sub>4</sub> , and H <sub>2</sub> O fluxes from the Tibetan alpine steppe. <i>Earth System Science Data</i> , 2020, 12, 2705-2724.	3.7	13
2201	Improving estimations of ecosystem respiration with asymmetric daytime and nighttime temperature sensitivity and relative humidity. <i>Agricultural and Forest Meteorology</i> , 2022, 312, 108709.	1.9	2
2202	Environment-sensitivity functions for gross primary productivity in light use efficiency models. <i>Agricultural and Forest Meteorology</i> , 2022, 312, 108708.	1.9	27
2203	Leaf- and ecosystem-scale water use efficiency and their controlling factors of a kiwifruit orchard in the humid region of Southwest China. <i>Agricultural Water Management</i> , 2022, 260, 107329.	2.4	14
2205	Gross Primary Production of Rainfed and Irrigated Potato ( <i>Solanum tuberosum</i> L.) in the Colombian Andean Region Using Eddy Covariance Technique. <i>Water (Switzerland)</i> , 2021, 13, 3223.	1.2	4
2206	A deep learning hybrid predictive modeling (HPM) approach for estimating evapotranspiration and ecosystem respiration. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 6041-6066.	1.9	8
2207	Lateral detrital C transfer across a <i>Spartina alterniflora</i> invaded estuarine wetland. <i>Ecological Processes</i> , 2021, 10, .	1.6	1
2208	Development of a Solar-Induced Fluorescence–Canopy Conductance Model and Its Application to Stomatal Reactive Nitrogen Deposition. <i>ACS Earth and Space Chemistry</i> , 0, , .	1.2	3
2209	Evapotranspiration and energy partitioning of a typical alpine wetland in the central Tibetan Plateau. <i>Atmospheric Research</i> , 2022, 267, 105931.	1.8	9
2210	Evapotranspiration and crop coefficients for coffee production systems in colombia using eddy covariance method. <i>Agronomy Journal</i> , 0, , .	0.9	0
2211	Influence of Tundra Polygon Type and Climate Variability on CO <sub>2</sub> and CH <sub>4</sub> Fluxes Near Utqiagvik, Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006262.	1.3	1
2212	Ecosystem Productivity and Evapotranspiration Dynamics of a Seasonally Dry Tropical Forest of the Yucatan Peninsula. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	7
2213	Carbon and water fluxes are more sensitive to drought than heat in terrestrial ecosystems in China. <i>Journal of Hydrology</i> , 2021, 603, 127177.	2.3	6

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2214	Improved dryland carbon flux predictions with explicit consideration of water-carbon coupling. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	16
2215	Co2 Exchanges and Evapotranspiration of a Grazed Pasture Under Tropical Climate Conditions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2216	Eddy-Covariance Measurements. <i>Springer Handbooks</i> , 2021, , 1473-1504.	0.3	9
2217	Ecohydrology of Irrigated Silage Maize and Alfalfa Production Systems in the Upper Midwest Us. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2218	First Investigation of the Relationship Between Solar-Induced Chlorophyll Fluorescence Observed by TanSat and Gross Primary Productivity. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 11892-11902.	2.3	6
2219	Multi-Year Eddy-Covariance Measurements at a Pre-Alpine Humid Grassland Site: Dataset Overview, Drought Responses, and Effects of Land Management. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2220	Mismatch between the Optimal Ages for Gross Primary Production and Net Ecosystem Production in Norway Spruce Forests. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2221	A micrometeorological flux perspective on brush management in a shrub-encroached Sonoran Desert grassland. <i>Agricultural and Forest Meteorology</i> , 2022, 313, 108763.	1.9	3
2222	Carbon dioxide fluxes of a mountain grassland: Drivers, anomalies and annual budgets. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108801.	1.9	11
2223	Carbon and water dynamics of a perennial versus an annual grain crop in temperate agroecosystems. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108805.	1.9	8
2224	Stable gap-filling for longer eddy covariance data gaps: A globally validated machine-learning approach for carbon dioxide, water, and energy fluxes. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108777.	1.9	17
2225	Satellite solar-induced chlorophyll fluorescence and near-infrared reflectance capture complementary aspects of dryland vegetation productivity dynamics. <i>Remote Sensing of Environment</i> , 2022, 270, 112858.	4.6	26
2226	Quantifying the variability in water use efficiency from the canopy to ecosystem scale across main croplands. <i>Agricultural Water Management</i> , 2022, 262, 107427.	2.4	9
2227	Effects of clouds and aerosols on ecosystem exchange, water and light use efficiency in a humid region orchard. <i>Science of the Total Environment</i> , 2022, 811, 152377.	3.9	11
2228	Investigating soybean ( <i>Glycine max L.</i> ) responses to irrigation on a large-scale farm in the humid climate of the Mississippi Delta region. <i>Agricultural Water Management</i> , 2022, 262, 107432.	2.4	5
2229	Quantifying the net ecosystem exchange at a semi-deciduous forest in northeast India from intra-seasonal to the seasonal time scale. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108786.	1.9	8
2230	Tidal influence on the relationship between solar-induced chlorophyll fluorescence and canopy photosynthesis in a coastal salt marsh. <i>Remote Sensing of Environment</i> , 2022, 270, 112865.	4.6	6
2231	A hybrid deep learning framework with physical process description for simulation of evapotranspiration. <i>Journal of Hydrology</i> , 2022, 606, 127422.	2.3	20

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2233	Carbon dioxide uptake overrides methane emission at the air-water interface of algae-shellfish mariculture ponds: Evidence from eddy covariance observations. <i>Science of the Total Environment</i> , 2022, 815, 152867.	3.9	8
2234	Environmental Controls on Water Use Efficiency in a Hilly Tea Plantation in Southeast China. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2235	Quantification of Ecosystem-Scale Methane Sinks Observed in a Tropical Rainforest in Hainan, China. <i>Land</i> , 2022, 11, 154.	1.2	0
2236	Distinct magnitude asymmetries of daily extreme anomalies in gross primary productivity between forests and non-forests. <i>Climate Dynamics</i> , 0, , 1.	1.7	0
2237	Quantification of the effect of hydrological drivers on actual evapotranspiration using the Bayesian model averaging approach for various landscapes over Northeast Asia. <i>Journal of Hydrology</i> , 2022, 607, 127543.	2.3	7
2238	Measuring evapotranspiration by eddy covariance method and understanding its biophysical controls in moist deciduous forest of northwest Himalayan foothills of India. <i>Tropical Ecology</i> , 2022, 63, 387-397.	0.6	2
2239	Forestâ€‘atmosphere exchange of reactive nitrogen in a remote regionâ€‘ Part I: Measuring temporal dynamics. <i>Biogeosciences</i> , 2022, 19, 389-413.	1.3	4
2240	Heatwave breaks down the linearity between sunâ€‘induced fluorescence and gross primary production. <i>New Phytologist</i> , 2022, 233, 2415-2428.	3.5	51
2241	Canopy Solar-Induced Chlorophyll Fluorescence and Its Link to Transpiration in a Temperate Evergreen Needleleaf Forest during the Fall Transition. <i>Forests</i> , 2022, 13, 74.	0.9	1
2242	Carbon Exchange in a Hyperseasonal Cattle Pasture in the Brazilian Pantanal. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2243	Response of net ecosystem CO <sub>2</sub> exchange to precipitation events in the Badain Jaran Desert. <i>Environmental Science and Pollution Research</i> , 2022, 29, 36486-36501.	2.7	5
2244	The ABCflux database: Arcticâ€‘boreal CO <sub>2</sub> flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. <i>Earth System Science Data</i> , 2022, 14, 179-208.	3.7	22
2246	Fisher discriminant analysis method applied in drought detection: an instance in an alpine meadow ecosystem. <i>Journal of Plant Ecology</i> , 2022, 15, 911-920.	1.2	6
2247	Community Composition and Structure Affect Ecosystem and Canopy Water Use Efficiency Across Three Typical Alpine Ecosystems. <i>Frontiers in Plant Science</i> , 2021, 12, 771424.	1.7	2
2248	Greenhouse Gas Exchange of a NW German Peatland, 18 Years After Rewetting. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	9
2249	Resolving temperature limitation on spring productivity in an evergreen conifer forest using a modelâ€‘data fusion framework. <i>Biogeosciences</i> , 2022, 19, 541-558.	1.3	6
2250	Does growing atmospheric CO <sub>2</sub> explain increasing carbon sink in a boreal coniferous forest?. <i>Global Change Biology</i> , 2022, 28, 2910-2929.	4.2	23

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2252	Water and carbon fluxes in an apple orchard during heat waves. <i>European Journal of Agronomy</i> , 2022, 134, 126460.	1.9	7
2253	Direct estimation of photosynthetic CO <sub>2</sub> assimilation from solar-induced chlorophyll fluorescence (SIF). <i>Remote Sensing of Environment</i> , 2022, 271, 112893.	4.6	21
2254	Direct partitioning of eddy-covariance water and carbon dioxide fluxes into ground and plant components. <i>Agricultural and Forest Meteorology</i> , 2022, 315, 108790.	1.9	17
2255	Unique characteristics of ecosystem CO <sub>2</sub> exchange in Sundarban mangrove forest and their relationship with environmental factors. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 267, 107764.	0.9	11
2256	Disentangling carbon uptake and allocation in the stems of a spruce forest. <i>Environmental and Experimental Botany</i> , 2022, 196, 104787.	2.0	16
2257	Radiation, soil water content, and temperature effects on carbon cycling in an alpine swamp meadow of the northeastern Qinghai-Tibetan Plateau. <i>Biogeosciences</i> , 2022, 19, 861-875.	1.3	10
2259	Thermally derived evapotranspiration from the Surface Temperature Initiated Closure (STIC) model improves cropland GPP estimates under dry conditions. <i>Remote Sensing of Environment</i> , 2022, 271, 112901.	4.6	10
2260	Non-linearity between gross primary productivity and far-red solar-induced chlorophyll fluorescence emitted from canopies of major biomes. <i>Remote Sensing of Environment</i> , 2022, 271, 112896.	4.6	23
2261	The Influence of Ozone on Net Ecosystem Production of a Ryegrass-Clover Mixture under Field Conditions. <i>Atmosphere</i> , 2021, 12, 1629.	1.0	13
2262	Extreme events driving year-to-year differences in gross primary productivity across the US. <i>Biogeosciences</i> , 2021, 18, 6579-6588.	1.3	10
2263	Multiple Gap-Filling for Eddy Covariance Datasets. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
2264	Response of Dryland Vegetation Under Extreme Wet Events with Satellite Measures of Greenness and Fluorescence. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2265	On the Potential of Sentinel-2 for Estimating Gross Primary Production. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	2.7	12
2266	Wind Regimes Above and Below a Dense Oil Palm Canopy: Detection of Decoupling and its Implications on Co <sub>2</sub> Flux Estimates. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2267	Biogeochemical and biophysical responses to episodes of wildfire smoke from natural ecosystems in southwestern British Columbia, Canada. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2333-2349.	1.9	1
2268	Atmospheric dryness reduces photosynthesis along a large range of soil water deficits. <i>Nature Communications</i> , 2022, 13, 989.	5.8	100
2269	Towards agricultural soil carbon monitoring, reporting, and verification through the Field Observatory Network (FION). <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2022, 11, 93-109.	0.6	8

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2272	Introducing State-of-the-Art Deep Learning Technique for Gap-Filling of Eddy Covariance Crop Evapotranspiration Data. <i>Water (Switzerland)</i> , 2022, 14, 763.	1.2	4
2273	Light and Water Conditions Co-Regulated Stomata and Leaf Relative Uptake Rate (LRU) during Photosynthesis and COS Assimilation: A Meta-Analysis. <i>Sustainability</i> , 2022, 14, 2840.	1.6	0
2274	Net ecosystem CO <sub>2</sub> exchange from jute crop ( <i>Corchorus olitorius</i> L.) and its environmental drivers in tropical Indo-Gangetic plain using open-path eddy covariance technique. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 251.	1.3	3
2275	Assessing the Impact of Extreme Droughts on Dryland Vegetation by Multi-Satellite Solar-Induced Chlorophyll Fluorescence. <i>Remote Sensing</i> , 2022, 14, 1581.	1.8	25
2276	Does Below-Above Canopy Air Mass Decoupling Impact Temperate Floodplain Forest CO <sub>2</sub> Exchange?. <i>Atmosphere</i> , 2022, 13, 437.	1.0	1
2277	Impacts of Land Use Change and Atmospheric CO <sub>2</sub> on Gross Primary Productivity (GPP), Evaporation, and Climate in Southern Amazon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	4
2278	Multi-site, multi-crop measurements in the soil-vegetation-atmosphere continuum: a comprehensive dataset from two climatically contrasting regions in southwestern Germany for the period 2009-2018. <i>Earth System Science Data</i> , 2022, 14, 1153-1181.	3.7	8
2279	Observations of aerosol-vapor pressure deficit-evaporative fraction coupling over India. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3615-3629.	1.9	6
2280	A Reconstructed Global Daily Seamless SIF Product at 0.05 Degree Resolution Based on TROPOMI, MODIS and ERA5 Data. <i>Remote Sensing</i> , 2022, 14, 1504.	1.8	4
2281	A convolutional neural network for spatial downscaling of satellite-based solar-induced chlorophyll fluorescence (SIFnet). <i>Biogeosciences</i> , 2022, 19, 1777-1793.	1.3	12
2282	Modeling Carbon Uptake of Dryland Maize Using High Resolution Satellite Imagery. <i>Frontiers in Remote Sensing</i> , 2022, 3, .	1.3	0
2283	Temporal resolution of vegetation indices and solar-induced chlorophyll fluorescence data affects the accuracy of vegetation phenology estimation: A study using in-situ measurements. <i>Ecological Indicators</i> , 2022, 136, 108673.	2.6	5
2284	Plant functional diversity influences water and carbon fluxes and their use efficiencies in native and disturbed dryland ecosystems. <i>Ecohydrology</i> , 2022, 15, .	1.1	6
2285	Contrasting responses of forest growth and carbon sequestration to heat and drought in the Alps. <i>Environmental Research Letters</i> , 2022, 17, 045015.	2.2	6
2286	Comparison of eddy covariance and automatic chamber-based methods for measuring carbon flux. <i>Agronomy Journal</i> , 2022, 114, 2081-2094.	0.9	7
2287	The Diurnal Dynamics of Gross Primary Productivity Using Observations From the Advanced Baseline Imager on the Geostationary Operational Environmental Satellite Series at an Oak Savanna Ecosystem. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	13
2288	A Broadband Green-Red Vegetation Index for Monitoring Gross Primary Production Phenology. <i>Journal of Remote Sensing</i> , 2022, 2022, .	3.2	16

#	ARTICLE	IF	CITATIONS
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2290	Matching high resolution satellite data and flux tower footprints improves their agreement in photosynthesis estimates. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108878.	1.9	25
2291	Adjusting solar-induced fluorescence to nadir-viewing provides a better proxy for GPP. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022, 186, 157-169.	4.9	14
2292	Gross primary production (GPP) and red solar induced fluorescence (SIF) respond differently to light and seasonal environmental conditions in a subalpine conifer forest. <i>Agricultural and Forest Meteorology</i> , 2022, 317, 108904.	1.9	18
2293	Integrating Reanalysis and Satellite Cloud Information to Estimate Surface Downward Long-Wave Radiation. <i>Remote Sensing</i> , 2022, 14, 1704.	1.8	8
2294	Are Terrestrial Biosphere Models Fit for Simulating the Global Land Carbon Sink?. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	28
2295	Carbon exchange in rainfed and irrigated cropland in the Brazilian Cerrado. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108881.	1.9	2
2296	Coupling of Tree Growth and Photosynthetic Carbon Uptake Across Six North American Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
2297	Multi-year trend and interannual variability in soil respiration measurements collected in an urban forest ecosystem in Beijing, China. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108877.	1.9	4
2298	Estimation of the effects of aerosol optical properties on peatland production in Rzecin, Poland. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108861.	1.9	3
2299	Increasing Tibetan Plateau terrestrial evapotranspiration primarily driven by precipitation. <i>Agricultural and Forest Meteorology</i> , 2022, 317, 108887.	1.9	88
2300	Evolution of light use efficiency models: Improvement, uncertainties, and implications. <i>Agricultural and Forest Meteorology</i> , 2022, 317, 108905.	1.9	62
2301	Estimation of Global Cropland Gross Primary Production from Satellite Observations by Integrating Water Availability Variable in Light-Use-Efficiency Model. <i>Remote Sensing</i> , 2022, 14, 1722.	1.8	3
2302	Partitioning evapotranspiration in a tallgrass prairie using micrometeorological and water use efficiency approaches under contrasting rainfall regimes. <i>Journal of Hydrology</i> , 2022, 608, 127624.	2.3	6
2303	Identification of varied soil hydraulic properties in a seasonal tropical rainforest. <i>Catena</i> , 2022, 212, 106104.	2.2	3
2304	Net ecosystem exchange comparative analysis of the relative influence of recorded variables in well monitored ecosystems. <i>Ecological Complexity</i> , 2022, 50, 100998.	1.4	4
2305	Ecohydrology of irrigated silage maize and alfalfa production systems in the upper midwest US. <i>Agricultural Water Management</i> , 2022, 267, 107612.	2.4	4
2306	A global 30-m ET model (HSEB) using harmonized Landsat and Sentinel-2, MODIS and VIIRS: Comparison to ECOSTRESS ET and LST. <i>Remote Sensing of Environment</i> , 2022, 274, 112995.	4.6	17

#	ARTICLE	IF	CITATIONS
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2308	Combining NDVI, PRI and the quantum yield of solar-induced fluorescence improves estimations of carbon fluxes in deciduous and evergreen forests. <i>Science of the Total Environment</i> , 2022, 829, 154681.	3.9	9
2309	Grassland productivity response to droughts in northern China monitored by satellite-based solar-induced chlorophyll fluorescence. <i>Science of the Total Environment</i> , 2022, 830, 154550.	3.9	21
2310	CO <sub>2</sub> fluxes from three different temperate grazed pastures using Eddy covariance measurements. <i>Science of the Total Environment</i> , 2022, 831, 154819.	3.9	6
2311	Diurnal cycle of surface energy fluxes in high mountain terrain: High-resolution fully coupled atmosphere-hydrology modelling and impact of lateral flow. <i>Hydrological Processes</i> , 2021, 35, .	1.1	7
2312	Patterns and Controls of the Latent and Sensible Heat Fluxes in the Brazilian Pampa Biome. <i>Atmosphere</i> , 2022, 13, 23.	1.0	4
2313	Global Vegetation Photosynthetic Phenology Products Based on MODIS Vegetation Greenness and Temperature: Modeling and Evaluation. <i>Remote Sensing</i> , 2021, 13, 5080.	1.8	2
2314	Options to correct local turbulent flux measurements for large-scale fluxes using an approach based on large-eddy simulation. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 7835-7850.	1.2	8
2315	Uncovering the critical soil moisture thresholds of plant water stress for European ecosystems. <i>Global Change Biology</i> , 2022, 28, 2111-2123.	4.2	23
2316	Site Characteristics Mediate the Relationship Between Forest Productivity and Satellite Measured Solar Induced Fluorescence. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	4
2318	Biosphere-atmosphere exchange of CO <sub>2</sub> and CH <sub>4</sub> in mangrove forests and salt marshes. , 2022, , 93-132.		0
2319	Seasonal and diurnal variations in ecosystem respiration and environmental controls from an alpine wetland in arid northwest China. <i>Journal of Plant Ecology</i> , 0, , .	1.2	4
2320	Net carbon dioxide emissions from an eroding Atlantic blanket bog. <i>Biogeochemistry</i> , 2022, 159, 233-250.	1.7	1
2321	Biophysical controls on water use efficiency of six plantations under different sky conditions. <i>Agricultural and Forest Meteorology</i> , 2022, 320, 108938.	1.9	9
2322	Effect of tree demography and flexible root water uptake for modeling the carbon and water cycles of Amazonia. <i>Ecological Modelling</i> , 2022, 469, 109969.	1.2	7
2323	Evapotranspiration. , 0, , 292-344.		1
2328	CO <sub>2</sub> flux in a wheat-soybean succession in subtropical Brazil: A carbon sink. <i>Journal of Environmental Quality</i> , 2022, 51, 899-915.	1.0	4
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#	ARTICLE	IF	CITATIONS
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2331	Modification of a Wavelet-Based Method for Detecting Ebullitive Methane Fluxes in Eddy-Covariance Observations: Application at Two Rice Fields. <i>Boundary-Layer Meteorology</i> , 2022, 184, 71-111.	1.2	3
2332	Predicting greenhouse gas fluxes in coastal salt marshes using artificial neural networks. <i>Wetlands</i> , 2022, 42, .	0.7	1
2333	Carbon and Water Cycling in Two Rubber Plantations and a Natural Forest in Mainland Southeast Asia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	5
2334	Effects of precipitation seasonal distribution on net ecosystem CO <sub>2</sub> exchange over an alpine meadow in the southeastern Tibetan Plateau. <i>International Journal of Biometeorology</i> , 2022, 66, 1561-1573.	1.3	5
2335	Linking Leadership to Employees Performance: The Mediating Role of Human Resource Management. <i>Economies</i> , 2022, 10, 111.	1.2	4
2336	Cross-biome synthesis of source versus sink limits to tree growth. <i>Science</i> , 2022, 376, 758-761.	6.0	76
2337	Biophysical Controls of Ecosystemâ€ˆScale Methane Fluxes From a Subtropical Estuarine Mangrove: Multiscale, Nonlinearity, Asynchrony and Causality. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	5
2338	Relationship of leaf elongation rate of young wheat leaves, gross primary productivity and environmental variables in the field with hourly and daily temporal resolution. <i>Agricultural and Forest Meteorology</i> , 2022, 320, 108902.	1.9	1
2339	Impacts of stump harvesting on carbon dioxide, methane and nitrous oxide fluxes. <i>IForest</i> , 2022, 15, 148-162.	0.5	1
2340	CO <sub>2</sub> exchange of the ecosystemâ€ˆatmosphere in a mountain forest ecosystem: Combining stable carbon isotope ( <sup>13</sup> C) and soil respiration measurements. <i>Ecological Indicators</i> , 2022, 139, 108947.	2.6	0
2341	Two for one: Partitioning CO <sub>2</sub> fluxes and understanding the relationship between solar-induced chlorophyll fluorescence and gross primary productivity using machine learning. <i>Agricultural and Forest Meteorology</i> , 2022, 321, 108980.	1.9	11
2342	Environmental controls on water use efficiency in a hilly tea plantation in southeast China. <i>Agricultural Water Management</i> , 2022, 269, 107678.	2.4	3
2343	Energy and evapotranspiration partitioning over a humid region orchard: Field measurements and partitioning model comparisons. <i>Journal of Hydrology</i> , 2022, 610, 127890.	2.3	11
2344	Long-term observed evapotranspiration and its variation caused by anthropogenic controls in an ecofragile region. <i>Agriculture, Ecosystems and Environment</i> , 2022, 335, 108008.	2.5	3
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#	ARTICLE	IF	CITATIONS
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