

Paul C Stoy

List of Publications by Year in descending order

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Version: 2024-02-01

132
papers

9,949
citations

57758

44
h-index

38395

95
g-index

163
all docs

163
docs citations

163
times ranked

9963
citing authors

#	ARTICLE	IF	CITATIONS
1	Separation of net ecosystem exchange into assimilation and respiration using a light response curve approach: critical issues and global evaluation. <i>Global Change Biology</i> , 2010, 16, 187-208.	9.5	752
2	The increasing importance of atmospheric demand for ecosystem water and carbon fluxes. <i>Nature Climate Change</i> , 2016, 6, 1023-1027.	18.8	734
3	Evaluation of remote sensing based terrestrial productivity from MODIS using regional tower eddy flux network observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006, 44, 1908-1925.	6.3	562
4	Deriving a light use efficiency model from eddy covariance flux data for predicting daily gross primary production across biomes. <i>Agricultural and Forest Meteorology</i> , 2007, 143, 189-207.	4.8	547
5	A data-driven analysis of energy balance closure across FLUXNET research sites: The role of landscape scale heterogeneity. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 137-152.	4.8	424
6	Land management and land-cover change have impacts of similar magnitude on surface temperature. <i>Nature Climate Change</i> , 2014, 4, 389-393.	18.8	404
7	A multi-site analysis of random error in tower-based measurements of carbon and energy fluxes. <i>Agricultural and Forest Meteorology</i> , 2006, 136, 1-18.	4.8	398
8	Improving land surface models with FLUXNET data. <i>Biogeosciences</i> , 2009, 6, 1341-1359.	3.3	308
9	Photoperiodic regulation of the seasonal pattern of photosynthetic capacity and the implications for carbon cycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8612-8617.	7.1	247
10	Estimating components of forest evapotranspiration: A footprint approach for scaling sap flux measurements. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1719-1732.	4.8	237
11	Separating the effects of climate and vegetation on evapotranspiration along a successional chronosequence in the southeastern US. <i>Global Change Biology</i> , 2006, 12, 2115-2135.	9.5	219
12	Carbon dioxide and water vapor exchange in a warm temperate grassland. <i>Oecologia</i> , 2004, 138, 259-274.	2.0	216
13	Separating the effects of albedo from eco-physiological changes on surface temperature along a successional chronosequence in the southeastern United States. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	195
14	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.	4.8	186
15	Reviews and syntheses: Turning the challenges of partitioning ecosystem evaporation and transpiration into opportunities. <i>Biogeosciences</i> , 2019, 16, 3747-3775.	3.3	150
16	Albedo estimates for land surface models and support for a new paradigm based on foliage nitrogen concentration. <i>Global Change Biology</i> , 2010, 16, 696-710.	9.5	144
17	Estimating the uncertainty in annual net ecosystem carbon exchange: spatial variation in turbulent fluxes and sampling errors in eddy-covariance measurements. <i>Global Change Biology</i> , 2006, 12, 883-896.	9.5	140
18	Productivity, Respiration, and Light-Response Parameters of World Grassland and Agroecosystems Derived From Flux-Tower Measurements. <i>Rangeland Ecology and Management</i> , 2010, 63, 16-39.	2.3	133

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19	Biosphere-atmosphere exchange of CO ₂ in relation to climate: a cross-biome analysis across multiple time scales. <i>Biogeosciences</i> , 2009, 6, 2297-2312.	3.3	132
20	Variability in net ecosystem exchange from hourly to inter-annual time scales at adjacent pine and hardwood forests: a wavelet analysis. <i>Tree Physiology</i> , 2005, 25, 887-902.	3.1	129
21	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108350.	4.8	125
22	Nocturnal evapotranspiration in eddy-covariance records from three co-located ecosystems in the Southeastern U.S.: Implications for annual fluxes. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1491-1504.	4.8	112
23	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , 2012, 194, 775-783.	7.3	111
24	Atmospheric dryness reduces photosynthesis along a large range of soil water deficits. <i>Nature Communications</i> , 2022, 13, 989.	12.8	100
25	Are ecosystem carbon inputs and outputs coupled at short time scales? A case study from adjacent pine and hardwood forests using impulse-response analysis. <i>Plant, Cell and Environment</i> , 2007, 30, 700-710.	5.7	89
26	Role of vegetation in determining carbon sequestration along ecological succession in the southeastern United States. <i>Global Change Biology</i> , 2008, 14, 1409-1427.	9.5	87
27	Linking flux network measurements to continental scale simulations: ecosystem carbon dioxide exchange capacity under non-stressed conditions. <i>Global Change Biology</i> , 2007, 13, 734-760.	9.5	81
28	Multiscale model intercomparisons of CO ₂ and H ₂ O exchange rates in a maturing southeastern US pine forest. <i>Global Change Biology</i> , 2006, 12, 1189-1207.	9.5	80
29	Artificial drainage and associated carbon fluxes (CO ₂ /CH ₄) in a tundra ecosystem. <i>Global Change Biology</i> , 2009, 15, 2599-2614.	9.5	78
30	Causality and Persistence in Ecological Systems: A Nonparametric Spectral Granger Causality Approach. <i>American Naturalist</i> , 2012, 179, 524-535.	2.1	78
31	On the spectrum of soil moisture from hourly to interannual scales. <i>Water Resources Research</i> , 2007, 43, .	4.2	77
32	Investigating a Hierarchy of Eulerian Closure Models for Scalar Transfer Inside Forested Canopies. <i>Boundary-Layer Meteorology</i> , 2008, 128, 1-32.	2.3	72
33	Characterizing the performance of ecosystem models across time scales: A spectral analysis of the North American Carbon Program site-level synthesis. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	72
34	Sensitivity of gross primary productivity to climatic drivers during the summer drought of 2018 in Europe. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190747.	4.0	71
35	The relationship between reference canopy conductance and simplified hydraulic architecture. <i>Advances in Water Resources</i> , 2009, 32, 809-819.	3.8	70
36	Characterizing the diurnal patterns of errors in the prediction of evapotranspiration by several land-surface models: An NACP analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1458-1473.	3.0	69

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37	Interannual variability of ecosystem carbon exchange: From observation to prediction. <i>Global Ecology and Biogeography</i> , 2017, 26, 1225-1237.	5.8	68
38	On the difference in the net ecosystem exchange of CO_2 between deciduous and evergreen forests in the southeastern United States. <i>Global Change Biology</i> , 2015, 21, 827-842.	9.5	65
39	Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. <i>Agricultural and Forest Meteorology</i> , 2017, 243, 9-18.	4.8	64
40	THE STRUCTURE OF TURBULENCE NEAR A TALL FOREST EDGE: THE BACKWARD-FACING STEP FLOW ANALOGY REVISITED. , 2008, 18, 1420-1435.		62
41	Maximum carbon uptake rate dominates the interannual variability of global net ecosystem exchange. <i>Global Change Biology</i> , 2019, 25, 3381-3394.	9.5	62
42	Hydrologic and atmospheric controls on initiation of convective precipitation events. <i>Water Resources Research</i> , 2007, 43, .	4.2	60
43	Fine-root respiration in a loblolly pine (<i>Pinus taeda</i> L.) forest exposed to elevated CO_2 and N fertilization. <i>Plant, Cell and Environment</i> , 2008, 31, 1663-1672.	5.7	60
44	Linking Meteorology, Turbulence, and Air Chemistry in the Amazon Rain Forest. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 2329-2342.	3.3	59
45	Opportunities and Trade-offs among BECCS and the Food, Water, Energy, Biodiversity, and Social Systems Nexus at Regional Scales. <i>BioScience</i> , 2018, 68, 100-111.	4.9	53
46	Downward transport of ozone rich air and implications for atmospheric chemistry in the Amazon rainforest. <i>Atmospheric Environment</i> , 2016, 124, 64-76.	4.1	48
47	Convective suppression before and during the United States Northern Great Plains flash drought of 2017. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4155-4163.	4.9	46
48	Different response of surface temperature and air temperature to deforestation in climate models. <i>Earth System Dynamics</i> , 2019, 10, 473-484.	7.1	46
49	Ecohydrological controls on summertime convective rainfall triggers. <i>Global Change Biology</i> , 2007, 13, 887-896.	9.5	44
50	Reforestation and surface cooling in temperate zones: Mechanisms and implications. <i>Global Change Biology</i> , 2020, 26, 3384-3401.	9.5	44
51	Redefinition and global estimation of basal ecosystem respiration rate. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	43
52	Seasonal bryophyte productivity in the sub-Arctic: a comparison with vascular plants. <i>Functional Ecology</i> , 2012, 26, 365-378.	3.6	40
53	Controls on seasonal patterns of maximum ecosystem carbon uptake and canopy-scale photosynthetic light response: contributions from both temperature and photoperiod. <i>Photosynthesis Research</i> , 2014, 119, 49-64.	2.9	40
54	Connecting Land-Atmosphere Interactions to Surface Heterogeneity in CHEESEHEAD19. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E421-E445.	3.3	40

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55	Temperature, Heat Flux, and Reflectance of Common Subarctic Mosses and Lichens under Field Conditions: Might Changes to Community Composition Impact Climate-Relevant Surface Fluxes?. <i>Arctic, Antarctic, and Alpine Research</i> , 2012, 44, 500-508.	1.1	39
56	Assessing Interactions Among Changing Climate, Management, and Disturbance in Forests: A Macrosystems Approach. <i>BioScience</i> , 2015, 65, 263-274.	4.9	38
57	Assessing self-organization of plant communitiesâ€”A thermodynamic approach. <i>Ecological Modelling</i> , 2009, 220, 784-790.	2.5	36
58	Herbivory and climate interact serially to control monoterpene emissions from pinyon pine forests. <i>Ecology</i> , 2014, 95, 1591-1603.	3.2	36
59	Modeling nighttime ecosystem respiration from measured CO ₂ concentration and air temperature profiles using inverse methods. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	34
60	Upscaling as ecological information transfer: a simple framework with application to Arctic ecosystem carbon exchange. <i>Landscape Ecology</i> , 2009, 24, 971-986.	4.2	34
61	Long term trend and interannual variability of land carbon uptakeâ€”the attribution and processes. <i>Environmental Research Letters</i> , 2017, 12, 014018.	5.2	34
62	Partitioning of Net Fluxes. , 2012, , 263-289.		33
63	Eddy Covariance Measurements of Methane Flux at a Tropical Peat Forest in Sarawak, Malaysian Borneo. <i>Geophysical Research Letters</i> , 2018, 45, 4390-4399.	4.0	32
64	Topographic controls on the leaf area index and plant functional type of a tundra ecosystem. <i>Journal of Ecology</i> , 2008, 96, 1238-1251.	4.0	31
65	Integrating continuous atmospheric boundary layer and tower-based flux measurements to advance understanding of land-atmosphere interactions. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108509.	4.8	31
66	Thermal adaptation of net ecosystem exchange. <i>Biogeosciences</i> , 2011, 8, 1453-1463.	3.3	30
67	Evaluating the agreement between measurements and models of net ecosystem exchange at different times and timescales using wavelet coherence: an example using data from the North American Carbon Program Site-Level Interim Synthesis. <i>Biogeosciences</i> , 2013, 10, 6893-6909.	3.3	30
68	Sensitivity of stand transpiration to wind velocity in a mixed broadleaved deciduous forest. <i>Agricultural and Forest Meteorology</i> , 2014, 187, 62-71.	4.8	29
69	The surface-atmosphere exchange of carbon dioxide, water, and sensible heat across a dryland wheat-fallow rotation. <i>Agriculture, Ecosystems and Environment</i> , 2016, 232, 129-140.	5.3	29
70	The surface-atmosphere exchange of carbon dioxide in tropical rainforests: Sensitivity to environmental drivers and flux measurement methodology. <i>Agricultural and Forest Meteorology</i> , 2018, 263, 292-307.	4.8	29
71	Using Information Theory to Determine Optimum Pixel Size and Shape for Ecological Studies: Aggregating Land Surface Characteristics in Arctic Ecosystems. <i>Ecosystems</i> , 2009, 12, 574-589.	3.4	28
72	Robust observations of land-to-atmosphere feedbacks using the information flows of FLUXNET. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	6.8	28

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73	The effects of elevated atmospheric CO ₂ and nitrogen amendments on subsurface CO ₂ production and concentration dynamics in a maturing pine forest. <i>Biogeochemistry</i> , 2009, 94, 271-287.	3.5	27
74	Processing arctic eddy flux data using a simple carbon exchange model embedded in the ensemble Kalman filter. <i>Ecological Applications</i> , 2010, 20, 1285-1301.	3.8	25
75	The greening of the Northern Great Plains and its biogeochemical precursors. <i>Global Change Biology</i> , 2020, 26, 5404-5413.	9.5	25
76	Applying Information Theory in the Geosciences to Quantify Process Uncertainty, Feedback, Scale. <i>Eos</i> , 2013, 94, 56-56.	0.1	24
77	Investigating the mechanisms responsible for the lack of surface energy balance closure in a central Amazonian tropical rainforest. <i>Agricultural and Forest Meteorology</i> , 2018, 255, 92-103.	4.8	24
78	Surface Moistening Trends in the Northern North American Great Plains Increase the Likelihood of Convective Initiation. <i>Journal of Hydrometeorology</i> , 2018, 19, 227-244.	1.9	23
79	Tornado seasonality in the southeastern United States. <i>Weather and Climate Extremes</i> , 2018, 20, 81-91.	4.1	23
80	Soil Biogenic Volatile Organic Compound Flux in a Mixed Hardwood Forest: Net Uptake at Warmer Temperatures and the Importance of Mycorrhizal Associations. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005479.	3.0	23
81	Uncovering the critical soil moisture thresholds of plant water stress for European ecosystems. <i>Global Change Biology</i> , 2022, 28, 2111-2123.	9.5	23
82	Energy, water, and carbon fluxes in a loblolly pine stand: Results from uniform and gappy canopy models with comparisons to eddy flux data. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	22
83	Upscaling Tundra CO ₂ Exchange from Chamber to Eddy Covariance Tower. <i>Arctic, Antarctic, and Alpine Research</i> , 2013, 45, 275-284.	1.1	22
84	Peak tornado activity is occurring earlier in the heart of "Tornado Alley". <i>Geophysical Research Letters</i> , 2014, 41, 6259-6264.	4.0	22
85	Photosynthesis and productivity in heterogeneous arctic tundra: consequences for ecosystem function of mixing vegetation types at stand edges. <i>Journal of Ecology</i> , 2012, 100, 441-451.	4.0	21
86	Deforestation intensifies hot days. <i>Nature Climate Change</i> , 2018, 8, 366-368.	18.8	21
87	Systematic review on effects of bioenergy from edible versus inedible feedstocks on food security. <i>Npj Science of Food</i> , 2021, 5, 9.	5.5	21
88	Quantifying the periodicity of Heinrich and Dansgaard-Oeschger events during Marine Oxygen Isotope Stage 3. <i>Quaternary Research</i> , 2013, 79, 413-423.	1.7	20
89	Environmental and biological controls on seasonal patterns of isoprene above a rain forest in central Amazonia. <i>Agricultural and Forest Meteorology</i> , 2018, 256-257, 391-406.	4.8	20
90	Temporal Scales of the Nocturnal Flow Within and Above a Forest Canopy in Amazonia. <i>Boundary-Layer Meteorology</i> , 2016, 161, 73-98.	2.3	18

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91	Preface: Impacts of extreme climate events and disturbances on carbon dynamics. <i>Biogeosciences</i> , 2016, 13, 3665-3675.	3.3	16
92	Reviews and syntheses: Ongoing and emerging opportunities to improve environmental science using observations from the Advanced Baseline Imager on the Geostationary Operational Environmental Satellites. <i>Biogeosciences</i> , 2021, 18, 4117-4141.	3.3	16
93	The Role of Vegetation on the Ecosystem Radiative Entropy Budget and Trends Along Ecological Succession. <i>Entropy</i> , 2014, 16, 3710-3731.	2.2	14
94	Multi-Sensor Approach for High Space and Time Resolution Land Surface Temperature. <i>Earth and Space Science</i> , 2021, 8, e2021EA001842.	2.6	14
95	Hotter droughts alter resource allocation to chemical defenses in piñon pine. <i>Oecologia</i> , 2021, 197, 921-938.	2.0	14
96	An Evaluation of Semiempirical Models for Partitioning Photosynthetically Active Radiation Into Diffuse and Direct Beam Components. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 889-901.	3.0	13
97	Drought supersedes warming in determining volatile and tissue defenses of piñon pine (<i>Pinus edulis</i>). <i>Environmental Research Letters</i> , 2019, 14, 065006.	5.2	13
98	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, .	3.0	13
99	Recent Trends in the Near-Surface Climatology of the Northern North American Great Plains. <i>Journal of Climate</i> , 2020, 33, 461-475.	3.2	12
100	Signaling from below: rodents select for deeper fruiting truffles with stronger volatile emissions. <i>Ecology</i> , 2020, 101, e02964.	3.2	12
101	Reconciling carbon cycle processes from ecosystem to global scales. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 57-65.	4.0	12
102	The impacts of mountain pine beetle disturbance on the energy balance of snow during the melt period. <i>Hydrological Processes</i> , 2016, 30, 588-602.	2.6	11
103	Fire and development influences on sagebrush community plant groups across a climate gradient in northern Nevada. <i>Ecosphere</i> , 2019, 10, e02990.	2.2	11
104	Retrieving Heterogeneous Surface Soil Moisture at 100 m Across the Globe via Fusion of Remote Sensing and Land Surface Parameters. <i>Frontiers in Water</i> , 2020, 2, .	2.3	11
105	The spatial variability of NDVI within a wheat field: Information content and implications for yield and grain protein monitoring. <i>PLoS ONE</i> , 2022, 17, e0265243.	2.5	11
106	A Comparison of Methods Reveals that Enhanced Diffusion Helps Explain Cold-Season Soil CO ₂ Efflux in a Lodgepole Pine Ecosystem. <i>Cold Regions Science and Technology</i> , 2016, 121, 16-24.	3.5	10
107	A Bornean peat swamp forest is a net source of carbon dioxide to the atmosphere. <i>Global Change Biology</i> , 2020, 26, 6931-6944.	9.5	10
108	Land management and climate change determine second-generation bioenergy potential of the US Northern Great Plains. <i>GCB Bioenergy</i> , 2020, 12, 491-509.	5.6	10

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109	Actual evapotranspiration and crop coefficients for tropical lowland rice (<i>Oryza sativa</i> L.) in eastern India. <i>Theoretical and Applied Climatology</i> , 2021, 146, 155-171.	2.8	10
110	Toward a Social-Ecological Theory of Forest Macrosystems for Improved Ecosystem Management. <i>Forests</i> , 2018, 9, 200.	2.1	9
111	The exchange of water and energy between a tropical peat forest and the atmosphere: Seasonal trends and comparison against other tropical rainforests. <i>Science of the Total Environment</i> , 2019, 683, 166-174.	8.0	8
112	Quantifying energy use efficiency via entropy production: a case study from longleaf pine ecosystems. <i>Biogeosciences</i> , 2019, 16, 1845-1863.	3.3	8
113	Probabilistic Downscaling of Remote Sensing Data with Applications for Multi-Scale Biogeochemical Flux Modeling. <i>PLoS ONE</i> , 2015, 10, e0128935.	2.5	7
114	On the exchange of sensible and latent heat between the atmosphere and melting snow. <i>Agricultural and Forest Meteorology</i> , 2018, 252, 167-174.	4.8	7
115	Influences of nitrogen oxides and isoprene on ozone-temperature relationships in the Amazon rain forest. <i>Atmospheric Environment</i> , 2019, 206, 280-292.	4.1	7
116	Methane efflux from an American bison herd. <i>Biogeosciences</i> , 2021, 18, 961-975.	3.3	7
117	Is the grass always greener? Land surface phenology reveals differences in peak and season-long vegetation productivity responses to climate and management. <i>Ecology and Evolution</i> , 2021, 11, 11168-11199.	1.9	7
118	The Importance of Spring Mixing in Evaluating Carbon Dioxide and Methane Flux From a Small North-temperate Lake in Wisconsin, United States. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006537.	3.0	7
119	Multiple UAV Flights across the Growing Season Can Characterize Fine Scale Phenological Heterogeneity within and among Vegetation Functional Groups. <i>Remote Sensing</i> , 2022, 14, 1290.	4.0	7
120	Using Metabolic Energy Density Metrics to Understand Differences in Ecosystem Function During Drought. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005335.	3.0	6
121	Forest structure and composition drive differences in metabolic energy and entropy dynamics during temperature extremes in longleaf pine savannas. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108252.	4.8	6
122	Toward an urgent yet deliberate conservation strategy: sustaining social-ecological systems in rangelands of the Northern Great Plains, Montana. <i>Ecology and Society</i> , 2021, 26, .	2.3	6
123	Eco-hydrological controls on summertime convective rainfall triggers. <i>Global Change Biology</i> , 2007, .	9.5	6
124	Thermodynamic approaches to ecosystem behaviour: fundamental principles with case studies from forest succession and management. , 2010, , 40-64.		5
125	Preface: Towards a full greenhouse gas balance of the biosphere. <i>Biogeosciences</i> , 2015, 12, 453-456.	3.3	5
126	It's the Heat and the Humidity: The Complementary Roles of Temperature and Specific Humidity to Recent Changes in the Energy Content of the Near-Surface Atmosphere. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5

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127	Growing season carbon dynamics differ in intermediate wheatgrass monoculture versus biculture with red clover. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109062.	4.8	5
128	Vapor pressure deficit helps explain biogenic volatile organic compound fluxes from the forest floor and canopy of a temperate deciduous forest. <i>Oecologia</i> , 2021, 197, 971-988.	2.0	4
129	Preface "Biotic interactions and biogeochemical processes in the soil environment". <i>Biogeosciences</i> , 2012, 9, 1823-1825.	3.3	2
130	Turbulent transport and reactions of plant-emitted hydrocarbons in an Amazonian rain forest. <i>Atmospheric Environment</i> , 2022, 279, 119094.	4.1	2
131	Preface: honoring the career of Russell K. Monson. <i>Oecologia</i> , 2021, 197, 817-822.	2.0	1
132	Linking flux network measurements to continental scale simulations: ecosystem carbon dioxide exchange capacity under non-water-stressed conditions. <i>Global Change Biology</i> , 2007, .	9.5	0