

Gil Bohrer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155
papers

8,900
citations

49
h-index

91
g-index

187
ext. papers

11,000
ext. citations

7
avg, IF

5.82
L-index

#	Paper	IF	Citations
155	Increase in forest water-use efficiency as atmospheric carbon dioxide concentrations rise. <i>Nature</i> , 2013 , 499, 324-7	50.4	719
154	Terrestrial biosphere models need better representation of vegetation phenology: results from the North American Carbon Program Site Synthesis. <i>Global Change Biology</i> , 2012 , 18, 566-584	11.4	481
153	Net carbon uptake has increased through warming-induced changes in temperate forest phenology. <i>Nature Climate Change</i> , 2014 , 4, 598-604	21.4	442
152	The increasing importance of atmospheric demand for ecosystem water and carbon fluxes. <i>Nature Climate Change</i> , 2016 , 6, 1023-1027	21.4	419
151	Observed increase in local cooling effect of deforestation at higher latitudes. <i>Nature</i> , 2011 , 479, 384-7	50.4	403
150	Long-distance gene flow and adaptation of forest trees to rapid climate change. <i>Ecology Letters</i> , 2012 , 15, 378-92	10	401
149	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020 , 7, 225	8.2	256
148	Moderating Argos location errors in animal tracking data. <i>Methods in Ecology and Evolution</i> , 2012 , 3, 999-1007	19.07	189
147	The environmental-data automated track annotation (Env-DATA) system: linking animal tracks with environmental data. <i>Movement Ecology</i> , 2013 , 1, 3	4.6	180
146	The role of canopy structural complexity in wood net primary production of a maturing northern deciduous forest. <i>Ecology</i> , 2011 , 92, 1818-27	4.6	161
145	Estimating updraft velocity components over large spatial scales: contrasting migration strategies of golden eagles and turkey vultures. <i>Ecology Letters</i> , 2012 , 15, 96-103	10	131
144	Mechanistic models of seed dispersal by wind. <i>Theoretical Ecology</i> , 2011 , 4, 113-132	1.6	130
143	Movement ecology of migration in turkey vultures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19102-7	11.5	127
142	A comparison of multiple phenology data sources for estimating seasonal transitions in deciduous forest carbon exchange. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1741-1752	5.8	123
141	Sustained carbon uptake and storage following moderate disturbance in a Great Lakes forest 2013 , 23, 1202-15		114
140	Maintaining high rates of carbon storage in old forests: A mechanism linking canopy structure to forest function. <i>Forest Ecology and Management</i> , 2013 , 298, 111-119	3.9	112
139	Finite element tree crown hydrodynamics model (FETCH) using porous media flow within branching elements: A new representation of tree hydrodynamics. <i>Water Resources Research</i> , 2005 , 41,	5.4	110

138	Fat, weather, and date affect migratory songbirds' departure decisions, routes, and time it takes to cross the Gulf of Mexico. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6331-8	11.5	109
137	Methanogenesis in oxygenated soils is a substantial fraction of wetland methane emissions. <i>Nature Communications</i> , 2017 , 8, 1567	17.4	109
136	Effects of canopy heterogeneity, seed abscission and inertia on wind-driven dispersal kernels of tree seeds. <i>Journal of Ecology</i> , 2008 , 96, 569-580	6	108
135	Interannual variability of net ecosystem productivity in forests is explained by carbon flux phenology in autumn. <i>Global Ecology and Biogeography</i> , 2013 , 22, 994-1006	6.1	106
134	Use of change-point detection for friction-velocity threshold evaluation in eddy-covariance studies. <i>Agricultural and Forest Meteorology</i> , 2013 , 171-172, 31-45	5.8	102
133	Effects of long-distance dispersal for metapopulation survival and genetic structure at ecological time and spatial scales. <i>Journal of Ecology</i> , 2005 , 93, 1029-1040	6	101
132	Land surface phenology derived from normalized difference vegetation index (NDVI) at global FLUXNET sites. <i>Agricultural and Forest Meteorology</i> , 2017 , 233, 171-182	5.8	100
131	Greenness indices from digital cameras predict the timing and seasonal dynamics of canopy-scale photosynthesis 2015 , 25, 99-115		100
130	Global estimation of evapotranspiration using a leaf area index-based surface energy and water balance model. <i>Remote Sensing of Environment</i> , 2012 , 124, 581-595	13.2	100
129	ECOSTRESS: NASA's Next Generation Mission to Measure Evapotranspiration From the International Space Station. <i>Water Resources Research</i> , 2020 , 56, e2019WR026058	5.4	98
128	Environmental drivers of variability in the movement ecology of turkey vultures (<i>Cathartes aura</i>) in North and South America. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130195	5.8	94
127	How fragmentation and corridors affect wind dynamics and seed dispersal in open habitats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3484-9	11.5	92
126	Disturbance and the resilience of coupled carbon and nitrogen cycling in a north temperate forest. <i>Journal of Geophysical Research</i> , 2011 , 116,		92
125	Exploring the Effects of Microscale Structural Heterogeneity of Forest Canopies Using Large-Eddy Simulations. <i>Boundary-Layer Meteorology</i> , 2009 , 132, 351-382	3.4	87
124	Long-distance biological transport processes through the air: can nature's complexity be unfolded in silico?. <i>Diversity and Distributions</i> , 2005 , 11, 131-137	5	86
123	Variations in the influence of diffuse light on gross primary productivity in temperate ecosystems. <i>Agricultural and Forest Meteorology</i> , 2015 , 201, 98-110	5.8	84
122	Understanding strategies for seed dispersal by wind under contrasting atmospheric conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19084-9	11.5	84
121	FLUXNET-CH4 Synthesis Activity: Objectives, Observations, and Future Directions. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 2607-2632	6.1	77

120	Contrasting strategies of hydraulic control in two codominant temperate tree species. <i>Ecohydrology</i> , 2017 , 10, e1815	2.5	76
119	Flying with the wind: scale dependency of speed and direction measurements in modelling wind support in avian flight. <i>Movement Ecology</i> , 2013 , 1, 4	4.6	72
118	Tree level hydrodynamic approach for resolving aboveground water storage and stomatal conductance and modeling the effects of tree hydraulic strategy. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 1792-1813	3.7	64
117	Elephant movement closely tracks precipitation-driven vegetation dynamics in a Kenyan forest-savanna landscape. <i>Movement Ecology</i> , 2014 , 2, 2	4.6	63
116	In search of greener pastures: Using satellite images to predict the effects of environmental change on zebra migration. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 1427-1437	3.7	60
115	Species-specific transpiration responses to intermediate disturbance in a northern hardwood forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 2292-2311	3.7	59
114	Observations of stem water storage in trees of opposing hydraulic strategies. <i>Ecosphere</i> , 2015 , 6, art1653.1		57
113	The match and mismatch between photosynthesis and land surface phenology of deciduous forests. <i>Agricultural and Forest Meteorology</i> , 2015 , 214-215, 25-38	5.8	56
112	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	3.7	55
111	Contrasting Hydraulic Strategies during Dry Soil Conditions in <i>Quercus rubra</i> and <i>Acer rubrum</i> in a Sandy Site in Michigan. <i>Forests</i> , 2013 , 4, 1106-1120	2.8	55
110	Interannual and spatial impacts of phenological transitions, growing season length, and spring and autumn temperatures on carbon sequestration: A North America flux data synthesis. <i>Global and Planetary Change</i> , 2012 , 92-93, 179-190	4.2	54
109	Joint evolution of seed traits along an aridity gradient: seed size and dormancy are not two substitutable evolutionary traits in temporally heterogeneous environment. <i>New Phytologist</i> , 2013 , 197, 655-667	9.8	51
108	Remote sensing of annual terrestrial gross primary productivity from MODIS: an assessment using the FLUXNET La Thuile data set. <i>Biogeosciences</i> , 2014 , 11, 2185-2200	4.6	49
107	Seasonal hysteresis of net ecosystem exchange in response to temperature change: patterns and causes. <i>Global Change Biology</i> , 2011 , 17, 3102-3114	11.4	49
106	The seasonal and diurnal dynamics of methane flux at a created urban wetland. <i>Ecological Engineering</i> , 2014 , 72, 74-83	3.9	48
105	Quantifying vegetation and canopy structural complexity from terrestrial LiDAR data using the <i>forestr</i> r package. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 2057-2066	7.7	47
104	Forest structure in space and time: Biotic and abiotic determinants of canopy complexity and their effects on net primary productivity. <i>Agricultural and Forest Meteorology</i> , 2018 , 250-251, 181-191	5.8	44
103	Estimating landscape net ecosystem exchange at high spatial-temporal resolution based on Landsat data, an improved upscaling model framework, and eddy covariance flux measurements. <i>Remote Sensing of Environment</i> , 2014 , 141, 90-104	13.2	44

102	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , 2021 , 301-302, 108350	5.8	43
101	Short-term favorable weather conditions are an important control of interannual variability in carbon and water fluxes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 2186-2198	3.7	42
100	Environmental drivers of methane fluxes from an urban temperate wetland park. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 2188-2208	3.7	41
99	Trait-based representation of hydrological functional properties of plants in weather and ecosystem models. <i>Plant Diversity</i> , 2017 , 39, 1-12	2.9	40
98	Canopy-structure effects on surface roughness parameters: Observations in a Great Lakes mixed-deciduous forest. <i>Agricultural and Forest Meteorology</i> , 2013 , 177, 24-34	5.8	39
97	Migration path annotation: cross-continental study of migration-flight response to environmental conditions 2011 , 21, 2258-68		39
96	Improved global simulations of gross primary product based on a new definition of water stress factor and a separate treatment of C3 and C4 plants. <i>Ecological Modelling</i> , 2015 , 297, 42-59	3	37
95	Effects of hydraulic architecture and spatial variation in light on mean stomatal conductance of tree branches and crowns. <i>Plant, Cell and Environment</i> , 2007 , 30, 483-96	8.4	37
94	The relationship between redox potential and nitrification under different sequences of crop rotations. <i>Soil and Tillage Research</i> , 2004 , 77, 25-33	6.5	37
93	Regional Consequences of Local Population Demography and Genetics in Relation to Habitat Management in <i>Gentiana pneumonanthe</i> . <i>Conservation Biology</i> , 2005 , 19, 357-367	6	37
92	Integrating snow science and wildlife ecology in Arctic-boreal North America. <i>Environmental Research Letters</i> , 2019 , 14, 010401	6.2	36
91	Combining eddy-covariance and chamber measurements to determine the methane budget from a small, heterogeneous urban floodplain wetland park. <i>Agricultural and Forest Meteorology</i> , 2017 , 237-238, 160-170	5.8	35
90	Ecological insights from three decades of animal movement tracking across a changing Arctic. <i>Science</i> , 2020 , 370, 712-715	33.3	35
89	On the choice of the driving temperature for eddy-covariance carbon dioxide flux partitioning. <i>Biogeosciences</i> , 2012 , 9, 5243-5259	4.6	35
88	The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). <i>Methods in Ecology and Evolution</i> , 2020 , 11, 22-37	7.7	35
87	Contribution of lianas to plant area index and canopy structure in a Panamanian forest. <i>Ecology</i> , 2016 , 97, 3271-3277	4.6	34
86	Temporal dynamics of soil moisture in a northern temperate mixed successional forest after a prescribed intermediate disturbance. <i>Agricultural and Forest Meteorology</i> , 2013 , 180, 22-33	5.8	34
85	Research and development supporting risk-based wildfire effects prediction for fuels and fire management: status and needs. <i>International Journal of Wildland Fire</i> , 2013 , 22, 37	3.2	34

84	Canopy Structural Changes Following Widespread Mortality of Canopy Dominant Trees. <i>Forests</i> , 2013 , 4, 537-552	2.8	34
83	Redefinition and global estimation of basal ecosystem respiration rate. <i>Global Biogeochemical Cycles</i> , 2011 , 25, n/a-n/a	5.9	33
82	Determining total emissions and environmental drivers of methane flux in a Lake Erie estuarine marsh. <i>Ecological Engineering</i> , 2018 , 114, 7-15	3.9	32
81	Boreal tree hydrodynamics: asynchronous, diverging, yet complementary. <i>Tree Physiology</i> , 2018 , 38, 953-964	4.4	31
80	Towards an Integrated Science of Movement: Converging Research on Animal Movement Ecology and Human Mobility Science. <i>International Journal of Geographical Information Science</i> , 2019 , 33, 855-876	4.1	31
79	Using High-Resolution GPS Tracking Data of Bird Flight for Meteorological Observations. <i>Bulletin of the American Meteorological Society</i> , 2016 , 97, 951-961	6.1	29
78	Carbon dioxide fluxes of an urban tidal marsh in the Hudson-Raritan estuary. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 2065-2081	3.7	29
77	The timing of abscission affects dispersal distance in a wind-dispersed tropical tree. <i>Functional Ecology</i> , 2013 , 27, 208-218	5.6	28
76	Large-eddy simulations of surface roughness parameter sensitivity to canopy-structure characteristics. <i>Biogeosciences</i> , 2015 , 12, 2533-2548	4.6	28
75	Determining the viability response of pine pollen to atmospheric conditions during long-distance dispersal 2009 , 19, 656-67		28
74	Experimental measurements of fluence distribution in a UV reactor using fluorescent microspheres. <i>Environmental Science & Technology</i> , 2005 , 39, 8925-30	10.3	24
73	FLUXNET-CH&sub&4&/sub&: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. <i>Earth System Science Data</i> , 2021 , 13, 3607-3689	10.5	23
72	Effects of fine-scale soil moisture and canopy heterogeneity on energy and water fluxes in a northern temperate mixed forest. <i>Agricultural and Forest Meteorology</i> , 2014 , 184, 243-256	5.8	22
71	Effects of different Kalahari-desert VA mycorrhizal communities on mineral acquisition and depletion from the soil by host plants. <i>Journal of Arid Environments</i> , 2003 , 55, 193-208	2.5	22
70	Temporal Dynamics of Aerodynamic Canopy Height Derived From Eddy Covariance Momentum Flux Data Across North American Flux Networks. <i>Geophysical Research Letters</i> , 2018 , 45, 9275-9287	4.9	21
69	Evaluating the effect of alternative carbon allocation schemes in a land surface model (CLM4.5) on carbon fluxes, pools, and turnover in temperate forests. <i>Geoscientific Model Development</i> , 2017 , 10, 3499-3517	6.3	20
68	Wind estimation based on thermal soaring of birds. <i>Ecology and Evolution</i> , 2016 , 6, 8706-8718	2.8	19
67	A Numerical Case Study of the Implications of Secondary Circulations to the Interpretation of Eddy-Covariance Measurements Over Small Lakes. <i>Boundary-Layer Meteorology</i> , 2017 , 165, 311-332	3.4	18

66	Modeling of particulate matter dispersion from a poultry facility using AERMOD. <i>Journal of the Air and Waste Management Association</i> , 2015 , 65, 206-17	2.4	18
65	Estimating plot-level tree structure in a deciduous forest by combining allometric equations, spatial wavelet analysis and airborne LiDAR. <i>Remote Sensing Letters</i> , 2012 , 3, 443-451	2.3	18
64	Effects of environmental variables on vesicular-arbuscular mycorrhizal abundance in wild populations of <i>Vangueria infausta</i> . <i>Journal of Vegetation Science</i> , 2001 , 12, 279-288	3.1	18
63	Intergenic and genic sequence lengths have opposite relationships with respect to gene expression. <i>PLoS ONE</i> , 2008 , 3, e3670	3.7	18
62	Multidimensional differentiation in foraging resource use during breeding of two sympatric top predators. <i>Scientific Reports</i> , 2016 , 6, 35031	4.9	17
61	A Novel Diffuse Fraction-Based Two-Leaf Light Use Efficiency Model: An Application Quantifying Photosynthetic Seasonality across 20 AmeriFlux Flux Tower Sites. <i>Journal of Advances in Modeling Earth Systems</i> , 2017 , 9, 2317-2332	7.1	17
60	FireStem2D—a two-dimensional heat transfer model for simulating tree stem injury in fires. <i>PLoS ONE</i> , 2013 , 8, e70110	3.7	17
59	A virtual canopy generator (V-CaGe) for modelling complex heterogeneous forest canopies at high resolution. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007 , 59, 566-576	3.3	17
58	Behavioural adaptations to flight into thin air. <i>Biology Letters</i> , 2016 , 12,	3.6	17
57	State-dependent errors in a land surface model across biomes inferred from eddy covariance observations on multiple timescales. <i>Ecological Modelling</i> , 2012 , 246, 11-25	3	16
56	Variations in potential CH ₄ flux and CO ₂ respiration from freshwater wetland sediments that differ by microsite location, depth and temperature. <i>Ecological Engineering</i> , 2014 , 72, 84-94	3.9	15
55	Moderate forest disturbance as a stringent test for gap and big-leaf models. <i>Biogeosciences</i> , 2015 , 12, 513-526	4.6	14
54	Multivariate Conditional Granger Causality Analysis for Lagged Response of Soil Respiration in a Temperate Forest. <i>Entropy</i> , 2013 , 15, 4266-4284	2.8	14
53	Using satellite-derived optical thickness to assess the influence of clouds on terrestrial carbon uptake. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 1747-1761	3.7	13
52	Forest-atmosphere BVOC exchange in diverse and structurally complex canopies: 1-D modeling of a mid-successional forest in northern Michigan. <i>Atmospheric Environment</i> , 2015 , 120, 217-226	5.3	13
51	Connecting air quality regulating ecosystem services with beneficiaries through quantitative serviceshed analysis. <i>Ecosystem Services</i> , 2020 , 41, 101057	6.1	13
50	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021 , 13, 2607-2649	10.5	13
49	Plant-mediated methane transport in emergent and floating-leaved species of a temperate freshwater mineral-soil wetland. <i>Limnology and Oceanography</i> , 2020 , 65, 1635-1650	4.8	12

48	Resolving the Effects of Aperture and Volume Restriction of the Flow by Semi-Porous Barriers Using Large-Eddy Simulations. <i>Boundary-Layer Meteorology</i> , 2014 , 152, 329-348	3.4	12
47	Uncovering the Diversity and Activity of Methylophilic Methanogens in Freshwater Wetland Soils. <i>MSystems</i> , 2019 , 4,	7.6	12
46	Hydrodynamic trait coordination and costBenefit trade-offs throughout the isohydric–anisohydric continuum in trees. <i>Ecohydrology</i> , 2019 , 12, e2041	2.5	12
45	The ratio of methanogens to methanotrophs and water-level dynamics drive methane transfer velocity in a temperate kettle-hole peat bog. <i>Biogeosciences</i> , 2019 , 16, 3207-3231	4.6	11
44	Synergistic use of SMAP and OCO-2 data in assessing the responses of ecosystem productivity to the 2018 U.S. drought. <i>Remote Sensing of Environment</i> , 2020 , 251, 112062	13.2	11
43	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. <i>Global Change Biology</i> , 2021 , 27, 3582-3604	11.4	11
42	The effectiveness of various rabies spatial vaccination patterns in a simulated host population with clumped distribution. <i>Ecological Modelling</i> , 2002 , 152, 205-211	3	10
41	Substantial hysteresis in emergent temperature sensitivity of global wetland CH emissions. <i>Nature Communications</i> , 2021 , 12, 2266	17.4	10
40	Carbon dioxide emissions from an oligotrophic temperate lake: An eddy covariance approach. <i>Ecological Engineering</i> , 2018 , 114, 25-33	3.9	9
39	Coupling Fine-Scale Root and Canopy Structure Using Ground-Based Remote Sensing. <i>Remote Sensing</i> , 2017 , 9, 182	5	8
38	Optimizing wind power generation while minimizing wildlife impacts in an urban area. <i>PLoS ONE</i> , 2013 , 8, e56036	3.7	8
37	Sensitivity of Ice Storms in the Southeastern United States to Atlantic SST Insights from a Case Study of the December 2002 Storm. <i>Monthly Weather Review</i> , 2006 , 134, 1454-1464	2.4	8
36	Modeling forest carbon cycle response to tree mortality: Effects of plant functional type and disturbance intensity. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015 , 120, 2178-2193	3.7	7
35	Evaporation and CO ₂ fluxes in a coastal reef: an eddy covariance approach. <i>Ecosystem Health and Sustainability</i> , 2017 , 3, 1392830	3.7	6
34	A model of gas mixing into single-entrance tree cavities during wildland fires. <i>Canadian Journal of Forest Research</i> , 2011 , 41, 1659-1670	1.9	6
33	Global transpiration data from sap flow measurements: the SAPFLUXNET database		6
32	Warming homogenizes apparent temperature sensitivity of ecosystem respiration. <i>Science Advances</i> , 2021 , 7,	14.3	6
31	Methane and nitrous oxide porewater concentrations and surface fluxes of a regulated river. <i>Science of the Total Environment</i> , 2020 , 715, 136920	10.2	5

30	Root lateral interactions drive water uptake patterns under water limitation. <i>Advances in Water Resources</i> , 2021 , 151, 103896	4.7	5
29	Ebullition dominates methane fluxes from the water surface across different ecohydrological patches in a temperate freshwater marsh at the end of the growing season. <i>Science of the Total Environment</i> , 2021 , 767, 144498	10.2	5
28	Gap-filling eddy covariance methane fluxes: Comparison of machine learning model predictions and uncertainties at FLUXNET-CH4 wetlands. <i>Agricultural and Forest Meteorology</i> , 2021 , 308-309, 108528	5.8	5
27	The Movebank system for studying global animal movement and demography. <i>Methods in Ecology and Evolution</i> , 2022 , 13, 419-431	7.7	5
26	Relationships Between Methane and Carbon Dioxide Fluxes in a Temperate Cattail-Dominated Freshwater Wetland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019 , 124, 2076-2089	3.7	4
25	Keenan et al. reply. <i>Nature</i> , 2014 , 507, E2-3	50.4	4
24	Impacts of forest loss on local climate across the conterminous United States: Evidence from satellite time-series observations. <i>Science of the Total Environment</i> , 2022 , 802, 149651	10.2	4
23	The Calibration and Use of Capacitance Sensors to Monitor Stem Water Content in Trees. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	3
22	Disturbance-accelerated succession increases the production of a temperate forest. <i>Ecological Applications</i> , 2021 , 31, e02417	4.9	3
21	Carbon sequestration and methane emissions along a microtopographic gradient in a tropical Andean peatland. <i>Science of the Total Environment</i> , 2019 , 654, 651-661	10.2	3
20	The interplay of wind and uplift facilitates over-water flight in facultative soaring birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20211603	4.4	3
19	Seasonality in aerodynamic resistance across a range of North American ecosystems. <i>Agricultural and Forest Meteorology</i> , 2021 , 310, 108613	5.8	3
18	FLUXNET-CH4: A global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands		3
17	Biological Earth observation with animal sensors.. <i>Trends in Ecology and Evolution</i> , 2022 , 37, 293-298	10.9	3
16	Quantifying CH4 concentration spikes above baseline and attributing CH4 sources to hydraulic fracturing activities by continuous monitoring at an off-site tower. <i>Atmospheric Environment</i> , 2020 , 228, 117452	5.3	2
15	Track Annotation: Determining the Environmental Context of Movement Through the Air 2017 , 71-86		2
14	Coupling plant litter quantity to a novel metric for litter quality explains C storage changes in a thawing permafrost peatland. <i>Global Change Biology</i> , 2021 ,	11.4	2
13	VR Visualisation as an Interdisciplinary Collaborative Data Exploration Tool for Large Eddy Simulations of Biosphere-Atmosphere Interactions. <i>Lecture Notes in Computer Science</i> , 2008 , 856-866	0.9	2

12	Once Upon a Time, in AmeriFlux. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG006148	2	
11	Classification of Wetland Vegetation Based on NDVI Time Series from the HLS Dataset. <i>Remote Sensing</i> , 2022 , 14, 2107	5	2
10	A multidimensional stability framework enhances interpretation and comparison of carbon cycling response to disturbance. <i>Ecosphere</i> , 2021 , 12, e03800	3.1	1
9	Microclimatic Effects of a Forest-to-Peatland Transition on Aerodynamic Resistance to Water Vapour Transfer in the Sub-humid Boreal Plains. <i>Boundary-Layer Meteorology</i> , 2021 , 178, 301-322	3.4	1
8	Effects of spatial heterogeneity of leaf density and crown spacing of canopy patches on dry deposition rates. <i>Agricultural and Forest Meteorology</i> , 2021 , 306, 108440	5.8	1
7	Microclimatic Effects of a Perched Peatland Forest Gap. <i>Boundary-Layer Meteorology</i> , 1	3.4	1
6	Disturbance has variable effects on the structural complexity of a temperate forest landscape. <i>Ecological Indicators</i> , 2022 , 140, 109004	5.8	1
5	Forest Drought Response Index (ForDRI): A New Combined Model to Monitor Forest Drought in the Eastern United States. <i>Remote Sensing</i> , 2020 , 12, 3605	5	0
4	Water level changes in Lake Erie drive 21st century CO and CH fluxes from a coastal temperate wetland.. <i>Science of the Total Environment</i> , 2022 , 153087	10.2	0
3	Tree hydrodynamic modelling of the soil-plant-atmosphere continuum using FETCH3. <i>Geoscientific Model Development</i> , 2022 , 15, 2619-2634	6.3	0
2	Estimating the movements of terrestrial animal populations using broad-scale occurrence data.. <i>Movement Ecology</i> , 2021 , 9, 60	4.6	0
1	Optimizing Wind Power Generation while Minimizing Wildlife Impacts in an Urban Area 2015 , 177-196		