

Masahito Ueyama

List of Publications by Year in Descending Order

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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.

74
papers

1,492
citations

23
h-index

35
g-index

76
ext. papers

1,842
ext. citations

5.3
avg, IF

4.32
L-index

#	Paper	IF	Citations
74	The ABCflux database: ArcticBoreal CO ₂ flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. <i>Earth System Science Data</i> , 2022 , 14, 179-208	10.5	3
73	Partitioning methane flux by the eddy covariance method in a cool temperate bog based on a Bayesian framework. <i>Agricultural and Forest Meteorology</i> , 2022 , 316, 108852	5.8	0
72	A decade of CO flux measured by the eddy covariance method including the COVID-19 pandemic period in an urban center in Sakai, Japan.. <i>Environmental Pollution</i> , 2022 , 119210	9.3	
71	Cross-biome synthesis of source versus sink limits to tree growth.. <i>Science</i> , 2022 , 376, 758-761	33.3	7
70	Substantial hysteresis in emergent temperature sensitivity of global wetland CH emissions. <i>Nature Communications</i> , 2021 , 12, 2266	17.4	10
69	Statistical upscaling of ecosystem CO fluxes across the terrestrial tundra and boreal domain: Regional patterns and uncertainties. <i>Global Change Biology</i> , 2021 , 27, 4040-4059	11.4	25
68	FLUXNET-CH ₄ : 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
67	Constraining models for methane oxidation based on long-term continuous chamber measurements in a temperate forest soil. <i>Agricultural and Forest Meteorology</i> , 2021 , 310, 108654	5.8	
66	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. <i>Nature Climate Change</i> , 2020 , 10, 555-560	21.4	44
65	Inferring CO ₂ fertilization effect based on global monitoring land-atmosphere exchange with a theoretical model. <i>Environmental Research Letters</i> , 2020 , 15, 084009	6.2	16
64	Observation of vertical profiles of NO, O ₃ , and VOCs to estimate their sources and sinks by inverse modeling in a Japanese larch forest. <i>J Agricultural Meteorology</i> , 2020 , 76, 1-10	1.1	3
63	Cooling effect of an urban park by enhanced heat transport efficiency. <i>J Agricultural Meteorology</i> , 2020 , 76, 148-153	1.1	3
62	Investigating the sensitivity of soil heterotrophic respiration to recent snow cover changes in Alaska using a satellite-based permafrost carbon model. <i>Biogeosciences</i> , 2020 , 17, 5861-5882	4.6	2
61	The biophysical climate mitigation potential of boreal peatlands during the growing season. <i>Environmental Research Letters</i> , 2020 , 15, 104004	6.2	11
60	Environmental controls on methane fluxes in a cool temperate bog. <i>Agricultural and Forest Meteorology</i> , 2020 , 281, 107852	5.8	10
59	Cooling and Moistening of the Planetary Boundary Layer in Interior Alaska Due to a Postfire Change in Surface Energy Exchange. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032968	4.4	3
58	Increased high-latitude photosynthetic carbon gain offset by respiration carbon loss during an anomalous warm winter to spring transition. <i>Global Change Biology</i> , 2020 , 26, 682-696	11.4	19

57	SoilTemp: A global database of near-surface temperature. <i>Global Change Biology</i> , 2020 , 26, 6616-6629	11.4	47
56	Carbon dioxide balance in early-successional forests after forest fires in interior Alaska. <i>Agricultural and Forest Meteorology</i> , 2019 , 275, 196-207	5.8	17
55	FLUXNET-CH ₄ Synthesis Activity: Objectives, Observations, and Future Directions. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 2607-2632	6.1	77
54	A cool-temperate young larch plantation as a net methane source - A 4-year continuous hyperbolic relaxed eddy accumulation and chamber measurements. <i>Atmospheric Environment</i> , 2018 , 184, 110-120	5.3	10
53	Leaf- and ecosystem-scale photosynthetic parameters for the overstory and understory of boreal forests in interior Alaska. <i>J Agricultural Meteorology</i> , 2018 , 74, 79-86	1.1	4
52	Surface energy exchange in a dense urban built-up area based on two-year eddy covariance measurements in Sakai, Japan. <i>Urban Climate</i> , 2017 , 19, 155-169	6.8	14
51	New data-driven estimation of terrestrial CO ₂ fluxes in Asia using a standardized database of eddy covariance measurements, remote sensing data, and support vector regression. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 767-795	3.7	58
50	Reconciliation of top-down and bottom-up CO ₂ fluxes in Siberian larch forest. <i>Environmental Research Letters</i> , 2017 , 12, 125012	6.2	9
49	Diurnal, weekly, seasonal, and spatial variabilities in carbon dioxide flux in different urban landscapes in Sakai, Japan. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 14727-14740	6.8	24
48	Latitudinal gradient of spruce forest understory and tundra phenology in Alaska as observed from satellite and ground-based data. <i>Remote Sensing of Environment</i> , 2016 , 177, 160-170	13.2	38
47	Diurnal, weekly, seasonal and spatial variabilities in carbon dioxide flux in different urban landscapes in Sakai, Japan 2016 ,		1
46	Optimization of a biochemical model with eddy covariance measurements in black spruce forests of Alaska for estimating CO ₂ fertilization effects. <i>Agricultural and Forest Meteorology</i> , 2016 , 222, 98-111	5.8	16
45	Methane uptake in a temperate forest soil using continuous closed-chamber measurements. <i>Agricultural and Forest Meteorology</i> , 2015 , 213, 1-9	5.8	15
44	Impact of anomalous climates on carbon allocation to biomass production of leaves, woody components, and fine roots in a cool-temperate deciduous forest. <i>Agricultural and Forest Meteorology</i> , 2015 , 201, 38-50	5.8	6
43	Does summer warming reduce black spruce productivity in interior Alaska?. <i>Journal of Forest Research</i> , 2015 , 20, 52-59	1.4	11
42	Understory CO ₂ , sensible heat, and latent heat fluxes in a black spruce forest in interior Alaska. <i>Agricultural and Forest Meteorology</i> , 2015 , 214-215, 80-90	5.8	36
41	Methane exchange in a poorly-drained black spruce forest over permafrost observed using the eddy covariance technique. <i>Agricultural and Forest Meteorology</i> , 2015 , 214-215, 157-168	5.8	25
40	Spatial and seasonal variations of CO ₂ flux and photosynthetic and respiratory parameters of larch forests in East Asia. <i>Soil Science and Plant Nutrition</i> , 2015 , 61, 61-75	1.6	9

39	Effects of water vapor dilution on trace gas flux, and practical correction methods. <i>J Agricultural Meteorology</i> , 2015 , 71, 65-76	1.1	9
38	Change in surface energy balance in Alaska due to fire and spring warming, based on upscaling eddy covariance measurements. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 1947-1969 ^{3,7}		16
37	Dynamics of ecosystem carbon balance recovering from a clear-cutting in a cool-temperate forest. <i>Agricultural and Forest Meteorology</i> , 2014 , 197, 26-39	5.8	40
36	Is the empirical coefficient b for the relaxed eddy accumulation method constant?. <i>Journal of Atmospheric Chemistry</i> , 2014 , 71, 79-94	3.2	4
35	An inter-comparison between Gill and Campbell sonic anemometers. <i>Agricultural and Forest Meteorology</i> , 2014 , 195-196, 123-131	5.8	19
34	Inferring methane fluxes at a larch forest using Lagrangian, Eulerian, and hybrid inverse models. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014 , 119, 2018-2031	3.7	8
33	Delayed responses of an Arctic ecosystem to an extreme summer: impacts on net ecosystem exchange and vegetation functioning. <i>Biogeosciences</i> , 2014 , 11, 5877-5888	4.6	20
32	Autumn warming reduces the CO ₂ sink of a black spruce forest in interior Alaska based on a nine-year eddy covariance measurement. <i>Global Change Biology</i> , 2014 , 20, 1161-73	11.4	55
31	Long-term measurement of terpenoid flux above a <i>Larix kaempferi</i> forest using a relaxed eddy accumulation method. <i>Atmospheric Environment</i> , 2014 , 83, 53-61	5.3	24
30	High-precision measurements of the methane flux over a larch forest based on a hyperbolic relaxed eddy accumulation method using a laser spectrometer. <i>Agricultural and Forest Meteorology</i> , 2013 , 178-179, 183-193	5.8	7
29	Determination of the gas exchange phenology in an evergreen coniferous forest from 7 years of eddy covariance flux data using an extended big-leaf analysis. <i>Ecological Research</i> , 2013 , 28, 373-385	1.9	21
28	Site-level model-data synthesis of terrestrial carbon fluxes in the CarboEastAsia eddy-covariance observation network: toward future modeling efforts. <i>Journal of Forest Research</i> , 2013 , 18, 13-20	1.4	29
27	Dataset of CarboEastAsia and uncertainties in the CO ₂ budget evaluation caused by different data processing. <i>Journal of Forest Research</i> , 2013 , 18, 41-48	1.4	22
26	Variations in fraction of absorbed photosynthetically active radiation and comparisons with MODIS data in burned black spruce forests of interior Alaska. <i>Polar Science</i> , 2013 , 7, 113-124	2.3	16
25	The role of carbon flux and biometric observations in constraining a terrestrial ecosystem model: a case study in disturbed forests in East Asia. <i>Ecological Research</i> , 2013 , 28, 893-905	1.9	9
24	Growing season and spatial variations of carbon fluxes of Arctic and boreal ecosystems in Alaska (USA) 2013 , 23, 1798-816		63
23	Upscaling terrestrial carbon dioxide fluxes in Alaska with satellite remote sensing and support vector regression. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 1266-1281	3.7	47
22	Recent Changes in Terrestrial Gross Primary Productivity in Asia from 1982 to 2011. <i>Remote Sensing</i> , 2013 , 5, 6043-6062	5	26

21	The role of permafrost in water exchange of a black spruce forest in Interior Alaska. <i>Agricultural and Forest Meteorology</i> , 2012 , 161, 107-115	5.8	28
20	Continuous measurement of methane flux over a larch forest using a relaxed eddy accumulation method. <i>Theoretical and Applied Climatology</i> , 2012 , 109, 461-472	3	15
19	Measurement of methane flux over an evergreen coniferous forest canopy using a relaxed eddy accumulation system with tuneable diode laser spectroscopy detection. <i>Theoretical and Applied Climatology</i> , 2012 , 109, 39-49	3	21
18	Influences of various calculation options on heat, water and carbon fluxes determined by open- and closed-path eddy covariance methods. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2012 , 64, 19048 ³	2.3	72
17	The sensitivity of carbon sequestration to harvesting and climate conditions in a temperate cypress forest: Observations and modeling. <i>Ecological Modelling</i> , 2011 , 222, 3216-3225	3	20
16	Quick Recovery of Carbon Dioxide Exchanges in a Burned Black Spruce Forest in Interior Alaska. <i>Scientific Online Letters on the Atmosphere</i> , 2011 , 7, 105-108	2.1	21
15	Multi-model analysis of terrestrial carbon cycles in Japan: limitations and implications of model calibration using eddy flux observations. <i>Biogeosciences</i> , 2010 , 7, 2061-2080	4.6	36
14	Simulating carbon and water cycles of larch forests in East Asia by the BIOME-BGC model with AsiaFlux data. <i>Biogeosciences</i> , 2010 , 7, 959-977	4.6	43
13	Satellite-Based Modeling of the Carbon Fluxes in Mature Black Spruce Forests in Alaska: A Synthesis of the Eddy Covariance Data and Satellite Remote Sensing Data. <i>Earth Interactions</i> , 2010 , 14, 1-27	1.5	9
12	Influence of Source/Sink Distributions on Flux Gradient Relationships in the Roughness Sublayer Over an Open Forest Canopy Under Unstable Conditions. <i>Boundary-Layer Meteorology</i> , 2010 , 136, 391-405 ⁴	3.4	20
11	A technique for high-accuracy flux measurement using a relaxed eddy accumulation system with an appropriate averaging strategy. <i>J Agricultural Meteorology</i> , 2009 , 65, 315-325	1.1	8
10	Response of the carbon cycle in sub-arctic black spruce forests to climate change: Reduction of a carbon sink related to the sensitivity of heterotrophic respiration. <i>Agricultural and Forest Meteorology</i> , 2009 , 149, 582-602	5.8	39
9	Satellite Observations of Decadal Scale CO ₂ Fluxes Over Black Spruce Forests in Alaska Associated with Climate Variability. <i>J Agricultural Meteorology</i> , 2009 , 65, 47-60	1.1	3
8	Applications of MODIS-visible bands index, greenery ratio to estimate CO ₂ budget of a rice paddy in Japan. <i>J Agricultural Meteorology</i> , 2009 , 65, 365-374	1.1	12
7	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007 , 59, 223-233	3.3	62
6	Applications of NOAA/AVHRR and Observed Fluxes to Estimate 3 Regional Carbon Fluxes over Black Spruce Forests in Alaska. <i>J Agricultural Meteorology</i> , 2007 , 63, 171-183	1.1	7
5	Controlling factors on the interannual CO ₂ budget at a subarctic black spruce forest in interior Alaska. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2006 , 58, 491-501	3.3	32
4	Vertical Distribution of CO ₂ Flux within and above a Larch Forest-Experimental and Numerical Approach-. <i>J Agricultural Meteorology</i> , 2006 , 62, 9-14	1.1	1

3	The Mechanism of Sensible Heat Transfer in and above a Forest. <i>J Agricultural Meteorology</i> , 2004 , 60, 133-140	1.1	3
2	Feature of Wind Profile in and above a Forest Canopy in a Complex Terrain. <i>J Agricultural Meteorology</i> , 2004 , 60, 25-32	1.1	7
1	Delayed responses of an Arctic ecosystem to an extremely dry summer: impacts on net ecosystem exchange and vegetation functioning		2