

# Masahito Ueyama

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4311182/masahito-ueyama-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	FLUXNET-CH4 Synthesis Activity: Objectives, Observations, and Future Directions. <i>Bulletin of the American Meteorological Society</i> , <b>2019</b> , 100, 2607-2632	6.1	77
73	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> , <b>2012</b> , 64, 1904-1918	3.3	72
72	Growing season and spatial variations of carbon fluxes of Arctic and boreal ecosystems in Alaska (USA) <b>2013</b> , 23, 1798-816		63
71	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2007</b> , 59, 223-233	3.3	62
70	New data-driven estimation of terrestrial CO2 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> , <b>2017</b> , 122, 767-795	3.7	58
69	Autumn warming reduces the CO2 sink of a black spruce forest in interior Alaska based on a nine-year eddy covariance measurement. <i>Global Change Biology</i> , <b>2014</b> , 20, 1161-73	11.4	55
68	Upscaling terrestrial carbon dioxide fluxes in Alaska with satellite remote sensing and support vector regression. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2013</b> , 118, 1266-1281	3.7	47
67	SoilTemp: A global database of near-surface temperature. <i>Global Change Biology</i> , <b>2020</b> , 26, 6616-6629	11.4	47
66	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. <i>Nature Climate Change</i> , <b>2020</b> , 10, 555-560	21.4	44
65	Simulating carbon and water cycles of larch forests in East Asia by the BIOME-BGC model with AsiaFlux data. <i>Biogeosciences</i> , <b>2010</b> , 7, 959-977	4.6	43
64	Dynamics of ecosystem carbon balance recovering from a clear-cutting in a cool-temperate forest. <i>Agricultural and Forest Meteorology</i> , <b>2014</b> , 197, 26-39	5.8	40
63	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> , <b>2009</b> , 149, 582-602	5.8	39
62	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> , <b>2016</b> , 177, 160-170	13.2	38
61	Understory CO2, sensible heat, and latent heat fluxes in a black spruce forest in interior Alaska. <i>Agricultural and Forest Meteorology</i> , <b>2015</b> , 214-215, 80-90	5.8	36
60	Multi-model analysis of terrestrial carbon cycles in Japan: limitations and implications of model calibration using eddy flux observations. <i>Biogeosciences</i> , <b>2010</b> , 7, 2061-2080	4.6	36
59	Controlling factors on the interannual CO2 budget at a subarctic black spruce forest in interior Alaska. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2006</b> , 58, 491-501	3.3	32
58	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> , <b>2013</b> , 18, 13-20	1.4	29

57	The role of permafrost in water exchange of a black spruce forest in Interior Alaska. <i>Agricultural and Forest Meteorology</i> , <b>2012</b> , 161, 107-115	5.8	28
56	Recent Changes in Terrestrial Gross Primary Productivity in Asia from 1982 to 2011. <i>Remote Sensing</i> , <b>2013</b> , 5, 6043-6062	5	26
55	Methane exchange in a poorly-drained black spruce forest over permafrost observed using the eddy covariance technique. <i>Agricultural and Forest Meteorology</i> , <b>2015</b> , 214-215, 157-168	5.8	25
54	Statistical upscaling of ecosystem CO fluxes across the terrestrial tundra and boreal domain: Regional patterns and uncertainties. <i>Global Change Biology</i> , <b>2021</b> , 27, 4040-4059	11.4	25
53	Diurnal, weekly, seasonal, and spatial variabilities in carbon dioxide flux in different urban landscapes in Sakai, Japan. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14727-14740	6.8	24
52	Long-term measurement of terpenoid flux above a <i>Larix kaempferi</i> forest using a relaxed eddy accumulation method. <i>Atmospheric Environment</i> , <b>2014</b> , 83, 53-61	5.3	24
51	FLUXNET-CH&lt;sub&gt;4&lt;/sub&gt;;: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. <i>Earth System Science Data</i> , <b>2021</b> , 13, 3607-3689	10.5	23
50	Dataset of CarboEastAsia and uncertainties in the CO2 budget evaluation caused by different data processing. <i>Journal of Forest Research</i> , <b>2013</b> , 18, 41-48	1.4	22
49	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> , <b>2013</b> , 28, 373-385	1.9	21
48	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> , <b>2012</b> , 109, 39-49	3	21
47	Quick Recovery of Carbon Dioxide Exchanges in a Burned Black Spruce Forest in Interior Alaska. <i>Scientific Online Letters on the Atmosphere</i> , <b>2011</b> , 7, 105-108	2.1	21
46	Delayed responses of an Arctic ecosystem to an extreme summer: impacts on net ecosystem exchange and vegetation functioning. <i>Biogeosciences</i> , <b>2014</b> , 11, 5877-5888	4.6	20
45	The sensitivity of carbon sequestration to harvesting and climate conditions in a temperate cypress forest: Observations and modeling. <i>Ecological Modelling</i> , <b>2011</b> , 222, 3216-3225	3	20
44	Influence of Source/Sink Distributions on FluxGradient Relationships in the Roughness Sublayer Over an Open Forest Canopy Under Unstable Conditions. <i>Boundary-Layer Meteorology</i> , <b>2010</b> , 136, 391-405	3.4	20
43	An inter-comparison between Gill and Campbell sonic anemometers. <i>Agricultural and Forest Meteorology</i> , <b>2014</b> , 195-196, 123-131	5.8	19
42	Increased high-latitude photosynthetic carbon gain offset by respiration carbon loss during an anomalous warm winter to spring transition. <i>Global Change Biology</i> , <b>2020</b> , 26, 682-696	11.4	19
41	Carbon dioxide balance in early-successional forests after forest fires in interior Alaska. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 275, 196-207	5.8	17
40	Inferring CO2 fertilization effect based on global monitoring land-atmosphere exchange with a theoretical model. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 084009	6.2	16

39	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> , <b>2014</b> , 119, 1947-1969 <sup>3.7</sup>		16
38	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> , <b>2013</b> , 7, 113-124	2.3	16
37	Optimization of a biochemical model with eddy covariance measurements in black spruce forests of Alaska for estimating CO <sub>2</sub> fertilization effects. <i>Agricultural and Forest Meteorology</i> , <b>2016</b> , 222, 98-111	5.8	16
36	Methane uptake in a temperate forest soil using continuous closed-chamber measurements. <i>Agricultural and Forest Meteorology</i> , <b>2015</b> , 213, 1-9	5.8	15
35	Continuous measurement of methane flux over a larch forest using a relaxed eddy accumulation method. <i>Theoretical and Applied Climatology</i> , <b>2012</b> , 109, 461-472	3	15
34	Surface energy exchange in a dense urban built-up area based on two-year eddy covariance measurements in Sakai, Japan. <i>Urban Climate</i> , <b>2017</b> , 19, 155-169	6.8	14
33	Applications of MODIS-visible bands index, greenery ratio to estimate CO <sub>2</sub> budget of a rice paddy in Japan. <i>J Agricultural Meteorology</i> , <b>2009</b> , 65, 365-374	1.1	12
32	Does summer warming reduce black spruce productivity in interior Alaska?. <i>Journal of Forest Research</i> , <b>2015</b> , 20, 52-59	1.4	11
31	The biophysical climate mitigation potential of boreal peatlands during the growing season. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 104004	6.2	11
30	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> , <b>2018</b> , 184, 110-120	5.3	10
29	Environmental controls on methane fluxes in a cool temperate bog. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 281, 107852	5.8	10
28	Substantial hysteresis in emergent temperature sensitivity of global wetland CH emissions. <i>Nature Communications</i> , <b>2021</b> , 12, 2266	17.4	10
27	Reconciliation of top-down and bottom-up CO <sub>2</sub> fluxes in Siberian larch forest. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 125012	6.2	9
26	Spatial and seasonal variations of CO <sub>2</sub> flux and photosynthetic and respiratory parameters of larch forests in East Asia. <i>Soil Science and Plant Nutrition</i> , <b>2015</b> , 61, 61-75	1.6	9
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> , <b>2013</b> , 28, 893-905	1.9	9
24	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> , <b>2010</b> , 14, 1-27	1.5	9
23	Effects of water vapor dilution on trace gas flux, and practical correction methods. <i>J Agricultural Meteorology</i> , <b>2015</b> , 71, 65-76	1.1	9
22	Inferring methane fluxes at a larch forest using Lagrangian, Eulerian, and hybrid inverse models. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2014</b> , 119, 2018-2031	3.7	8

21	A technique for high-accuracy flux measurement using a relaxed eddy accumulation system with an appropriate averaging strategy. <i>J Agricultural Meteorology</i> , <b>2009</b> , 65, 315-325	1.1	8
20	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> , <b>2013</b> , 178-179, 183-193	5.8	7
19	Feature of Wind Profile in and above a Forest Canopy in a Complex Terrain. <i>J Agricultural Meteorology</i> , <b>2004</b> , 60, 25-32	1.1	7
18	Applications of NOAA/AVHRR and Observed Fluxes to Estimate 3 Regional Carbon Fluxes over Black Spruce Forests in Alaska. <i>J Agricultural Meteorology</i> , <b>2007</b> , 63, 171-183	1.1	7
17	Cross-biome synthesis of source versus sink limits to tree growth.. <i>Science</i> , <b>2022</b> , 376, 758-761	33.3	7
16	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> , <b>2015</b> , 201, 38-50	5.8	6
15	Is the empirical coefficient b for the relaxed eddy accumulation method constant?. <i>Journal of Atmospheric Chemistry</i> , <b>2014</b> , 71, 79-94	3.2	4
14	Leaf- and ecosystem-scale photosynthetic parameters for the overstory and understory of boreal forests in interior Alaska. <i>J Agricultural Meteorology</i> , <b>2018</b> , 74, 79-86	1.1	4
13	Observation of vertical profiles of NO, O3, and VOCs to estimate their sources and sinks by inverse modeling in a Japanese larch forest. <i>J Agricultural Meteorology</i> , <b>2020</b> , 76, 1-10	1.1	3
12	The ABCflux database: ArcticBoreal CO <sub>2</sub> flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. <i>Earth System Science Data</i> , <b>2022</b> , 14, 179-208	10.5	3
11	The Mechanism of Sensible Heat Transfer in and above a Forest. <i>J Agricultural Meteorology</i> , <b>2004</b> , 60, 133-140	1.1	3
10	Satellite Observations of Decadal Scale CO <sub>2</sub> Fluxes Over Black Spruce Forests in Alaska Associated with Climate Variability. <i>J Agricultural Meteorology</i> , <b>2009</b> , 65, 47-60	1.1	3
9	Cooling effect of an urban park by enhanced heat transport efficiency. <i>J Agricultural Meteorology</i> , <b>2020</b> , 76, 148-153	1.1	3
8	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> , <b>2020</b> , 125, e2020JD032968	4.4	3
7	Investigating the sensitivity of soil heterotrophic respiration to recent snow cover changes in Alaska using a satellite-based permafrost carbon model. <i>Biogeosciences</i> , <b>2020</b> , 17, 5861-5882	4.6	2
6	Delayed responses of an Arctic ecosystem to an extremely dry summer: impacts on net ecosystem exchange and vegetation functioning		2
5	Vertical Distribution of CO <sub>2</sub> Flux within and above a Larch Forest-Experimental and Numerical Approach-. <i>J Agricultural Meteorology</i> , <b>2006</b> , 62, 9-14	1.1	1
4	Diurnal, weekly, seasonal and spatial variabilities in carbon dioxide flux in different urban landscapes in Sakai, Japan <b>2016</b> ,		1

3	Partitioning methane flux by the eddy covariance method in a cool temperate bog based on a Bayesian framework. <i>Agricultural and Forest Meteorology</i> , <b>2022</b> , 316, 108852	5.8	o
2	Constraining models for methane oxidation based on long-term continuous chamber measurements in a temperate forest soil. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 310, 108654	5.8	
1	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> , <b>2022</b> , 119210	9.3	