

# Hiroki Ikawa

## 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.

34  
papers

728  
citations

14  
h-index

26  
g-index

39  
ext. papers

1,110  
ext. citations

6.4  
avg, IF

3.14  
L-index

#	Paper	IF	Citations
34	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , <b>2020</b> , 7, 225	8.2	256
33	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
32	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , <b>2021</b> , 301-302, 108350	5.8	43
31	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
30	Understory CO <sub>2</sub> , 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
29	Increasing canopy photosynthesis in rice can be achieved without a large increase in water use-A model based on free-air CO <sub>2</sub> enrichment. <i>Global Change Biology</i> , <b>2018</b> , 24, 1321-1341	11.4	33
28	Light-stress avoidance mechanisms in a Sphagnum-dominated wet coastal Arctic tundra ecosystem in Alaska. <i>Ecology</i> , <b>2011</b> , 92, 633-44	4.6	32
27	8 million phenological and sky images from 29 ecosystems from the Arctic to the tropics: the Phenological Eyes Network. <i>Ecological Research</i> , <b>2018</b> , 33, 1091-1092	1.9	27
26	A High-Yielding Rice Cultivar "Takanari" Shows No N Constraints on CO <sub>2</sub> Fertilization. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 361	6.2	20
25	Air-sea exchange of CO <sub>2</sub> at a Northern California coastal site along the California Current upwelling system. <i>Biogeosciences</i> , <b>2013</b> , 10, 4419-4432	4.6	17
24	Evapotranspiration in a rice paddy field over 13 crop years. <i>J Agricultural Meteorology</i> , <b>2017</b> , 73, 109-118	1.1	16
23	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
22	Temporal variations in air-sea CO <sub>2</sub> exchange near large kelp beds near San Diego, California. <i>Journal of Geophysical Research: Oceans</i> , <b>2015</b> , 120, 50-63	3.3	15
21	The GRENE-TEA model intercomparison project (GTMIP): overview and experiment protocol for Stage 1. <i>Geoscientific Model Development</i> , <b>2015</b> , 8, 2841-2856	6.3	13
20	In Situ Observations Reveal How Spectral Reflectance Responds to Growing Season Phenology of an Open Evergreen Forest in Alaska. <i>Remote Sensing</i> , <b>2018</b> , 10, 1071	5	11
19	The GRENE-TEA model intercomparison project (GTMIP) Stage 1 forcing data set. <i>Earth System Science Data</i> , <b>2016</b> , 8, 1-14	10.5	11
18	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

17	High mesophyll conductance in the high-yielding rice cultivar Takanari quantified with the combined gas exchange and chlorophyll fluorescence measurements under free-air CO <sub>2</sub> enrichment. <i>Plant Production Science</i> , <b>2019</b> , 22, 395-406	2.4	10
16	Temperature thresholds of ecosystem respiration at a global scale. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 487-494	12.3	9
15	Extremely dry environment down-regulates nighttime respiration of a black spruce forest in Interior Alaska. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 249, 297-309	5.8	8
14	Soil respiration strongly offsets carbon uptake in Alaska and Northwest Canada. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 084051	6.2	8
13	The three major axes of terrestrial ecosystem function. <i>Nature</i> , <b>2021</b> , 598, 468-472	50.4	8
12	Spatial and temporal variability of air-sea CO <sub>2</sub> exchange of alongshore waters in summer near Barrow, Alaska. <i>Estuarine, Coastal and Shelf Science</i> , <b>2014</b> , 141, 37-46	2.9	5
11	The GRENE-TEA Model Intercomparison Project (GTMIP) stage 1 forcing dataset		5
10	Air-sea CO <sub>2</sub> exchange of beach and near-coastal waters of the Chukchi Sea near Barrow, Alaska. <i>Continental Shelf Research</i> , <b>2011</b> , 31, 1357-1364	2.4	4
9	Micrometeorological Model for Estimating Evapotranspiration from an Irrigated Maize Field in the Hetao Irrigation District in the Yellow River Basin. <i>J Agricultural Meteorology</i> , <b>2005</b> , 60, 537-540	1.1	4
8	Comparison of fallow season CO <sub>2</sub> efflux from paddy soil estimated using laboratory incubation with eddy covariance-based flux. <i>J Agricultural Meteorology</i> , <b>2017</b> , 73, 140-145	1.1	4
7	Quantifying the Feedback Between Rice Architecture, Physiology, and Microclimate Under Current and Future CO <sub>2</sub> Conditions. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2020</b> , 125, e2019JG005452	3.7	3
6	A high-performance system of multiple gas-exchange chambers with a laser spectrometer to estimate leaf photosynthesis, stomatal conductance, and mesophyll conductance. <i>Journal of Plant Research</i> , <b>2019</b> , 132, 705-718	2.6	2
5	Heat-Mitigation Effects of Irrigated Rice-Paddy Fields Under Changing Atmospheric Carbon Dioxide Based on a Coupled Atmosphere and Crop Energy-Balance Model. <i>Boundary-Layer Meteorology</i> , <b>2021</b> , 179, 447-476	3.4	1
4	Links between annual surface temperature variation and land cover heterogeneity for a boreal forest as characterized by continuous, fibre-optic DTS monitoring. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , <b>2018</b> , 7, 223-234	1.5	1
3	Effect of foliar spray of kinetin on the enhancement of rice yield by elevated CO <sub>2</sub> . <i>Journal of Agronomy and Crop Science</i> , <b>2021</b> , 207, 535-543	3.9	0
2	Atmosphere-sea ice-ocean interaction study in Saroma-ko Lagoon, Hokkaido, Japan 2021. <i>Bulletin of Glaciological Research</i> , <b>2022</b> , 40, 1-17	0.4	0
1	Effects of FACE on Rice Leaf Photosynthesis and Transpiration in a Paddy Field -Changes of Parameters in Farquhar and Ball-Berry Models under Elevated CO <sub>2</sub> -. <i>J Agricultural Meteorology</i> , <b>2005</b> , 60, 593-596	1.1	