

Hiroki Ikawa

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.

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	Atmosphere-sea ice-ocean interaction study in Saroma-ko Lagoon, Hokkaido, Japan 2021. <i>Bulletin of Glaciological Research</i> , 2022 , 40, 1-17	0.4	0
33	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> , 2021 , 179, 447-476	3.4	1
32	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , 2021 , 301-302, 108350	5.8	43
31	Effect of foliar spray of kinetin on the enhancement of rice yield by elevated CO ₂ . <i>Journal of Agronomy and Crop Science</i> , 2021 , 207, 535-543	3.9	0
30	Temperature thresholds of ecosystem respiration at a global scale. <i>Nature Ecology and Evolution</i> , 2021 , 5, 487-494	12.3	9
29	Soil respiration strongly offsets carbon uptake in Alaska and Northwest Canada. <i>Environmental Research Letters</i> , 2021 , 16, 084051	6.2	8
28	The three major axes of terrestrial ecosystem function. <i>Nature</i> , 2021 , 598, 468-472	50.4	8
27	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. <i>Nature Climate Change</i> , 2020 , 10, 555-560	21.4	44
26	Quantifying the Feedback Between Rice Architecture, Physiology, and Microclimate Under Current and Future CO ₂ Conditions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020 , 125, e2019JG005452	3.7	3
25	The biophysical climate mitigation potential of boreal peatlands during the growing season. <i>Environmental Research Letters</i> , 2020 , 15, 104004	6.2	11
24	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020 , 7, 225	8.2	256
23	A High-Yielding Rice Cultivar "Takanari" Shows No N Constraints on CO Fertilization. <i>Frontiers in Plant Science</i> , 2019 , 10, 361	6.2	20
22	High mesophyll conductance in the high-yielding rice cultivar Takanari quantified with the combined gas exchange and chlorophyll fluorescence measurements under free-air CO ₂ enrichment. <i>Plant Production Science</i> , 2019 , 22, 395-406	2.4	10
21	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> , 2019 , 132, 705-718	2.6	2
20	In Situ Observations Reveal How Spectral Reflectance Responds to Growing Season Phenology of an Open Evergreen Forest in Alaska. <i>Remote Sensing</i> , 2018 , 10, 1071	5	11
19	Increasing canopy photosynthesis in rice can be achieved without a large increase in water use-A model based on free-air CO ₂ enrichment. <i>Global Change Biology</i> , 2018 , 24, 1321-1341	11.4	33
18	Extremely dry environment down-regulates nighttime respiration of a black spruce forest in Interior Alaska. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 297-309	5.8	8

17	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> , 2018 , 7, 223-234	1.5	1
16	8 million phenological and sky images from 29 ecosystems from the Arctic to the tropics: the Phenological Eyes Network. <i>Ecological Research</i> , 2018 , 33, 1091-1092	1.9	27
15	Evapotranspiration in a rice paddy field over 13 crop years. <i>J Agricultural Meteorology</i> , 2017 , 73, 109-118	1.1	16
14	Comparison of fallow season CO ₂ efflux from paddy soil estimated using laboratory incubation with eddy covariance-based flux. <i>J Agricultural Meteorology</i> , 2017 , 73, 140-145	1.1	4
13	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
12	The GRENE-TEA model intercomparison project (GTMIP) Stage 1 forcing data set. <i>Earth System Science Data</i> , 2016 , 8, 1-14	10.5	11
11	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
10	Temporal variations in air-sea CO ₂ exchange near large kelp beds near San Diego, California. <i>Journal of Geophysical Research: Oceans</i> , 2015 , 120, 50-63	3.3	15
9	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
8	The GRENE-TEA model intercomparison project (GTMIP): overview and experiment protocol for Stage 1. <i>Geoscientific Model Development</i> , 2015 , 8, 2841-2856	6.3	13
7	Spatial and temporal variability of air-sea CO ₂ exchange of alongshore waters in summer near Barrow, Alaska. <i>Estuarine, Coastal and Shelf Science</i> , 2014 , 141, 37-46	2.9	5
6	Air-sea exchange of CO ₂ at a Northern California coastal site along the California Current upwelling system. <i>Biogeosciences</i> , 2013 , 10, 4419-4432	4.6	17
5	Air-sea CO ₂ exchange of beach and near-coastal waters of the Chukchi Sea near Barrow, Alaska. <i>Continental Shelf Research</i> , 2011 , 31, 1357-1364	2.4	4
4	Light-stress avoidance mechanisms in a Sphagnum-dominated wet coastal Arctic tundra ecosystem in Alaska. <i>Ecology</i> , 2011 , 92, 633-44	4.6	32
3	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> , 2005 , 60, 537-540	1.1	4
2	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 ₂ -. <i>J Agricultural Meteorology</i> , 2005 , 60, 593-596	1.1	
1	The GRENE-TEA Model Intercomparison Project (GTMIP) stage 1 forcing dataset		5