

Hirofumi Hashimoto

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

6,989
citations

279701

23
h-index

289141

40
g-index

43
all docs

43
docs citations

43
times ranked

8508
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate-Driven Increases in Global Terrestrial Net Primary Production from 1982 to 1999. <i>Science</i> , 2003, 300, 1560-1563.	6.0	2,921
2	A Continuous Satellite-Derived Measure of Global Terrestrial Primary Production. <i>BioScience</i> , 2004, 54, 547.	2.2	1,778
3	Large seasonal swings in leaf area of Amazon rainforests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4820-4823.	3.3	376
4	Amazon forests did not green up during the 2005 drought. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	275
5	Developing a continental-scale measure of gross primary production by combining MODIS and AmeriFlux data through Support Vector Machine approach. <i>Remote Sensing of Environment</i> , 2007, 110, 109-122.	4.6	169
6	Variations in atmospheric CO ₂ growth rates coupled with tropical temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13061-13066.	3.3	144
7	Monitoring and forecasting ecosystem dynamics using the Terrestrial Observation and Prediction System (TOPS). <i>Remote Sensing of Environment</i> , 2009, 113, 1497-1509.	4.6	117
8	Generating global Leaf Area Index from Landsat: Algorithm formulation and demonstration. <i>Remote Sensing of Environment</i> , 2012, 122, 185-202.	4.6	115
9	Estimation of forest aboveground biomass in California using canopy height and leaf area index estimated from satellite data. <i>Remote Sensing of Environment</i> , 2014, 151, 44-56.	4.6	103
10	Satellite-based estimation of surface vapor pressure deficits using MODIS land surface temperature data. <i>Remote Sensing of Environment</i> , 2008, 112, 142-155.	4.6	84
11	Modeling the interannual variability and trends in gross and net primary productivity of tropical forests from 1982 to 1999. <i>Global and Planetary Change</i> , 2005, 48, 274-286.	1.6	71
12	Constraining rooting depths in tropical rainforests using satellite data and ecosystem modeling for accurate simulation of gross primary production seasonality. <i>Global Change Biology</i> , 2007, 13, 67-77.	4.2	71
13	Emerging satellite observations for diurnal cycling of ecosystem processes. <i>Nature Plants</i> , 2021, 7, 877-887.	4.7	62
14	Trends and Variability of AVHRR-Derived NPP in India. <i>Remote Sensing</i> , 2013, 5, 810-829.	1.8	60
15	Decadal Variations in NDVI and Food Production in India. <i>Remote Sensing</i> , 2010, 2, 758-776.	1.8	58
16	Refinement of rooting depths using satellite-based evapotranspiration seasonality for ecosystem modeling in California. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1907-1918.	1.9	53
17	Diagnosing and assessing uncertainties of terrestrial ecosystem models in a multimodel ensemble experiment: 1. Primary production. <i>Global Change Biology</i> , 2011, 17, 1350-1366.	4.2	48
18	A hierarchical analysis of terrestrial ecosystem model Biome-BGC: Equilibrium analysis and model calibration. <i>Ecological Modelling</i> , 2009, 220, 2009-2023.	1.2	43

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19	El Niño-Southern Oscillation-induced variability in terrestrial carbon cycling. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	42
20	Exploring Simple Algorithms for Estimating Gross Primary Production in Forested Areas from Satellite Data. <i>Remote Sensing</i> , 2012, 4, 303-326.	1.8	42
21	Satellite-driven estimation of terrestrial carbon flux over Far East Asia with 1-km grid resolution. <i>Remote Sensing of Environment</i> , 2011, 115, 1758-1771.	4.6	40
22	New generation geostationary satellite observations support seasonality in greenness of the Amazon evergreen forests. <i>Nature Communications</i> , 2021, 12, 684.	5.8	39
23	An Introduction to the Geostationary-NASA Earth Exchange (GeoNEX) Products: 1. Top-of-Atmosphere Reflectance and Brightness Temperature. <i>Remote Sensing</i> , 2020, 12, 1267.	1.8	27
24	Diagnosing and assessing uncertainties of terrestrial ecosystem models in a multimodel ensemble experiment: 2. Carbon balance. <i>Global Change Biology</i> , 2011, 17, 1367-1378.	4.2	24
25	Assessing the representativeness of the AmeriFlux network using MODIS and GOES data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	23
26	Climate variability, vegetation productivity and people at risk. <i>Global and Planetary Change</i> , 2005, 47, 221-231.	1.6	22
27	The Variation of Land Surface Phenology From 1982 to 2006 Along the Appalachian Trail. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 2087-2095.	2.7	22
28	High-resolution mapping of daily climate variables by aggregating multiple spatial data sets with the random forest algorithm over the conterminous United States. <i>International Journal of Climatology</i> , 2019, 39, 2964-2983.	1.5	20
29	First Provisional Land Surface Reflectance Product from Geostationary Satellite Himawari-8 AHI. <i>Remote Sensing</i> , 2019, 11, 2990.	1.8	20
30	Evaluating the impacts of climate and elevated carbon dioxide on tropical rainforests of the western Amazon basin using ecosystem models and satellite data. <i>Global Change Biology</i> , 2010, 16, 255-271.	4.2	19
31	Structural Uncertainty in Model-Simulated Trends of Global Gross Primary Production. <i>Remote Sensing</i> , 2013, 5, 1258-1273.	1.8	18
32	River Temperature Forecasting: A Coupled-Modeling Framework for Management of River Habitat. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012, 5, 1752-1760.	2.3	17
33	Exploring Subpixel Learning Algorithms for Estimating Global Land Cover Fractions from Satellite Data Using High Performance Computing. <i>Remote Sensing</i> , 2017, 9, 1105.	1.8	14
34	Modeling Seasonal Changes in the Temperature Lapse Rate in a Northern Thailand Mountainous Area. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 1233-1246.	0.6	13
35	An Interplay between Photons, Canopy Structure, and Recollision Probability: A Review of the Spectral Invariants Theory of 3D Canopy Radiative Transfer Processes. <i>Remote Sensing</i> , 2018, 10, 1805.	1.8	12
36	Constraints to Vegetation Growth Reduced by Region-Specific Changes in Seasonal Climate. <i>Climate</i> , 2019, 7, 27.	1.2	12

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37	A Novel Atmospheric Correction Algorithm to Exploit the Diurnal Variability in Hypertemporal Geostationary Observations. <i>Remote Sensing</i> , 2022, 14, 964.	1.8	4
38	Green Leaf Area and Fraction of Photosynthetically Active Radiation Absorbed by Vegetation. <i>Springer Remote Sensing/photogrammetry</i> , 2014, , 43-61.	0.4	3
39	Hourly GPP Estimation in Australia Using Himawari-8 AHI Products. , 2020, , .		2
40	Analysis of Surface Moisture Status and Phenology in Thailand Using NOAA/AVHRR.. Suimon Mizu Shigen Gakkaishi, 2001, 14, 277-288.	0.1	2
41	GeoNEX: A Geostationary Earth Observatory at NASA Earth Exchange: Earth Monitoring from Operational Geostationary Satellite Systems. , 2020, , .		2
42	A physically based approach in retrieving vegetation Leaf Area Index from Landsat surface reflectance data. , 2010, , .		1
43	Monitoring and Forecasting Climate Impacts on Ecosystem Dynamics in Protected Areas Using the Terrestrial Observation and Prediction System. <i>Taylor & Francis Series in Remote Sensing Applications</i> , 2011, , 525-542.	0.0	1