Hirofumi Hashimoto

List of Publications by Year
in descending order

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	A Novel Atmospheric Correction Algorithm to Exploit the Diurnal Variability in Hypertemporal Geostationary Observations. Remote Sensing, 2022, 14, 964.	1.8	4
2	New generation geostationary satellite observations support seasonality in greenness of the Amazon evergreen forests. Nature Communications, 2021, 12, 684.	5.8	39
3	Emerging satellite observations for diurnal cycling of ecosystem processes. Nature Plants, 2021, 7, 877-887.	4.7	62
4	An Introduction to the Geostationary-NASA Earth Exchange (GeoNEX) Products: 1. Top-of-Atmosphere Reflectance and Brightness Temperature. Remote Sensing, 2020, 12, 1267.	1.8	27
5	Hourly GPP Estimation in Australia Using Himawari-8 AHI Products. , 2020, , .		2
6	GeoNEX: A Geostationary Earth Observatory at NASA Earth Exchange: Earth Monitoring from Operational Geostationary Satellite Systems. , 2020, , .		2
7	High‐resolution mapping of daily climate variables by aggregating multiple spatial data sets with the random forest algorithm over the conterminous United States. International Journal of Climatology, 2019, 39, 2964-2983.	1.5	20
8	Constraints to Vegetation Growth Reduced by Region-Specific Changes in Seasonal Climate. Climate, 2019, 7, 27.	1.2	12
9	First Provisional Land Surface Reflectance Product from Geostationary Satellite Himawari-8 AHI. Remote Sensing, 2019, 11, 2990.	1.8	20
10	An Interplay between Photons, Canopy Structure, and Recollision Probability: A Review of the Spectral Invariants Theory of 3D Canopy Radiative Transfer Processes. Remote Sensing, 2018, 10, 1805.	1.8	12
11	Exploring Subpixel Learning Algorithms for Estimating Global Land Cover Fractions from Satellite Data Using High Performance Computing. Remote Sensing, 2017, 9, 1105.	1.8	14
12	Estimation of forest aboveground biomass in California using canopy height and leaf area index estimated from satellite data. Remote Sensing of Environment, 2014, 151, 44-56.	4.6	103
13	Green Leaf Area and Fraction of Photosynthetically Active Radiation Absorbed by Vegetation. Springer Remote Sensing/photogrammetry, 2014, , 43-61.	0.4	3
14	The Variation of Land Surface Phenology From 1982 to 2006 Along the Appalachian Trail. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 2087-2095.	2.7	22
15	Trends and Variability of AVHRR-Derived NPP in India. Remote Sensing, 2013, 5, 810-829.	1.8	60
16	Variations in atmospheric CO_2 growth rates coupled with tropical temperature. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13061-13066.	3.3	144
17	Structural Uncertainty in Model-Simulated Trends of Global Gross Primary Production. Remote Sensing, 2013, 5, 1258-1273.	1.8	18
18	River Temperature Forecasting: A Coupled-Modeling Framework for Management of River Habitat. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 1752-1760.	2.3	17

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19	Generating global Leaf Area Index from Landsat: Algorithm formulation and demonstration. Remote Sensing of Environment, 2012, 122, 185-202.	4.6	115
20	Exploring Simple Algorithms for Estimating Gross Primary Production in Forested Areas from Satellite Data. Remote Sensing, 2012, 4, 303-326.	1.8	42
21	Diagnosing and assessing uncertainties of terrestrial ecosystem models in a multimodel ensemble experiment: 1. Primary production. Global Change Biology, 2011, 17, 1350-1366.	4.2	48
22	Diagnosing and assessing uncertainties of terrestrial ecosystem models in a multimodel ensemble experiment: 2. Carbon balance. Global Change Biology, 2011, 17, 1367-1378.	4.2	24
23	Satellite-driven estimation of terrestrial carbon flux over Far East Asia with 1-km grid resolution. Remote Sensing of Environment, 2011, 115, 1758-1771.	4.6	40
24	Monitoring and Forecasting Climate Impacts on Ecosystem Dynamics in Protected Areas Using the Terrestrial Observation and Prediction System. Taylor & Francis Series in Remote Sensing Applications, 2011, , 525-542.	0.0	1
25	Evaluating the impacts of climate and elevated carbon dioxide on tropical rainforests of the western Amazon basin using ecosystem models and satellite data. Global Change Biology, 2010, 16, 255-271.	4.2	19
26	Decadal Variations in NDVI and Food Production in India. Remote Sensing, 2010, 2, 758-776.	1.8	58
27	Modeling Seasonal Changes in the Temperature Lapse Rate in a Northern Thailand Mountainous Area. Journal of Applied Meteorology and Climatology, 2010, 49, 1233-1246.	0.6	13
28	Amazon forests did not greenâ€up during the 2005 drought. Geophysical Research Letters, 2010, 37, .	1.5	275
29	A physically based approach in retrieving vegetation Leaf Area Index from Landsat surface reflectance data. , 2010, , .		1
30	A hierarchical analysis of terrestrial ecosystem model Biome-BGC: Equilibrium analysis and model calibration. Ecological Modelling, 2009, 220, 2009-2023.	1.2	43
31	Monitoring and forecasting ecosystem dynamics using the Terrestrial Observation and Prediction System (TOPS). Remote Sensing of Environment, 2009, 113, 1497-1509.	4.6	117
32	Refinement of rooting depths using satellite-based evapotranspiration seasonality for ecosystem modeling in California. Agricultural and Forest Meteorology, 2009, 149, 1907-1918.	1.9	53
33	Satellite-based estimation of surface vapor pressure deficits using MODIS land surface temperature data. Remote Sensing of Environment, 2008, 112, 142-155.	4.6	84
34	Assessing the representativeness of the AmeriFlux network using MODIS and GOES data. Journal of Geophysical Research, 2008, 113, .	3.3	23
35	Large seasonal swings in leaf area of Amazon rainforests. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4820-4823.	3.3	376
36	Developing a continental-scale measure of gross primary production by combining MODIS and AmeriFlux data through Support Vector Machine approach. Remote Sensing of Environment, 2007, 110, 109-122.	4.6	169

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37	Constraining rooting depths in tropical rainforests using satellite data and ecosystem modeling for accurate simulation of gross primary production seasonality. Global Change Biology, 2007, 13, 67-77.	4.2	71
38	Climate variability, vegetation productivity and people at risk. Global and Planetary Change, 2005, 47, 221-231.	1.6	22
39	Modeling the interannual variability and trends in gross and net primary productivity of tropical forests from 1982 to 1999. Global and Planetary Change, 2005, 48, 274-286.	1.6	71
40	A Continuous Satellite-Derived Measure of Global Terrestrial Primary Production. BioScience, 2004, 54, 547.	2.2	1,778
41	El NiÃ±o-Southern Oscillation-induced variability in terrestrial carbon cycling. Journal of Geophysical Research, 2004, 109, .	3.3	42
42	Climate-Driven Increases in Global Terrestrial Net Primary Production from 1982 to 1999. Science, 2003, 300, 1560-1563.	6.0	2,921
43	Analysis of Surface Moisture Status and Phenology in Thailand Using NOAA/AVHRR.. Suimon Mizu Shigen Gakkaishi, 2001, 14, 277-288.	0.1	2