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Publications

PUBLICATION METRICS

For manuscripts published from date range January 1985 - July 2021

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For all time

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PUBLICATION IMPACT OVER TIME

PUBLISHING SUMMARY

For manuscripts published from date range January 1985 - July 2021

(48) Remote Sensing of Environment
(19) IEEE Transactions on Geoscience and Remote Sensing
(12) Geophysical Research Letters
(30) Remote Sensing
(20) Agricultural and Forest Meteorology
(16) Proceedings of the National Academy of Sciences
(11) Global Change Biology
Increased plant growth in the northern high latitudes from 1981 to 1991
Published: Apr 1997 in Nature
DOI: 10.1038/386698A0

MANUSCRIPTS PUBLISHED (318)
From date range January 1985 - July 2021

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2330
Climate-driven increases in global terrestrial net primary production from 1982 to 1999
Published: Jun 2003 in Science
DOI: 10.1126/SCIENCE.1082750

Carbon and Other Biogeochemical Cycles
Published: 2014 in Climate Change 2013: the Physical Science Basis
DOI: 10.1017/CBO9781107415324.015

Global products of vegetation leaf area and fraction absorbed PAR from year one of MODIS data
Published: Nov 2002 in Remote Sensing of Environment
DOI: 10.1016/S0034-4257(02)00074-3

Variations in northern vegetation activity inferred from satellite data of vegetation index during 1981 to 1999
Published: Sep 2001 in Journal of Geophysical Research: Atmospheres
DOI: 10.1029/2000JD000115

The Moderate Resolution Imaging Spectroradiometer (MODIS): Land remote sensing for global change research
Published: 1998 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/36.701075

THE INTERPRETATION OF SPECTRAL VEGETATION INDEXES
Published: Mar 1995 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/36.377948

Greening of the Earth and its drivers
Published: Aug 2016 in Nature Climate Change
DOI: 10.1038/NCLIMATE3004

Estimation of global leaf area index and absorbed par using radiative transfer models
Published: Nov 1997 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/36.649788

Multi-angle Imaging SpectroRadiometer (MISR) - Instrument description and experiment overview
Published: Jul 1998 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/36.700992

Contribution of semi-arid ecosystems to interannual variability of the global carbon cycle
Published: May 2014 in Nature
DOI: 10.1038/NATURE13376
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<td>Evidence for a significant urbanization effect on climate in China</td>
<td>Jun 2004</td>
<td>Proceedings of the National Academy of Sciences</td>
<td>10.1073/PNAS.0400357101</td>
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<td>Amazon rainforests green-up with sunlight in dry season</td>
<td>2006</td>
<td>Geophysical Research Letters</td>
<td>10.1029/2005GLO25583</td>
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<td>Global Data Sets of Vegetation Leaf Area Index (LAI)3g and Fraction of Photosynthetically Active Radiation (FPAR)3g Derived from Global Inventory Modeling and Mapping Studies (GIMMS) Normalized Difference Vegetation Index (NDVI3g) for the Period 1981 to 2011</td>
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<td>10.3390/RS5020927</td>
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<td>Climatic control of the high-latitude vegetation greening trend and Pinatubo effect</td>
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<td>Surface Urban Heat Island Across 419 Global Big Cities</td>
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<td>Environmental Science &amp; Technology</td>
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<td>A large carbon sink in the woody biomass of Northern forests</td>
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<td>China and India lead in greening of the world through land-use management</td>
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<td>10.1038/S41893-019-0220-7</td>
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Retrieval of canopy biophysical variables from bidirectional reflectance - Using prior information to solve the ill-posed inverse problem
Published: Jan 2003 in Remote Sensing of Environment
DOI: 10.1016/S0034-4257(02)00035-4

Evaluation of terrestrial carbon cycle models for their response to climate variability and to CO2 trends
Published: Jul 2013 in Global Change Biology
DOI: 10.1111/GCB.12187

Recent trends and drivers of regional sources and sinks of carbon dioxide
Published: 2015 in Biogeosciences
DOI: 10.5194/BG-12-653-2015

Temperature and vegetation seasonality diminishment over northern lands
Published: Mar 2013 in Nature Climate Change
DOI: 10.1038/NCLIMATE1836

Validation and intercomparison of global Leaf Area Index products derived from remote sensing data
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DOI: 10.1029/2007JG000635

Large seasonal swings in leaf area of Amazon rainforests
Published: Mar 2007 in Proceedings of the National Academy of Sciences
DOI: 10.1073/PNAS.0611338104

Validation of global moderate-resolution LAI products: A framework proposed within the CEOS Land Product Validation subgroup
Published: 2006 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/TGRS.2006.872529

Investigation of a model inversion technique to estimate canopy biophysical variables from spectral and directional reflectance data
Published: Jan 2000 in Agronomie
DOI: 10.1051/AGRO:2000105

Evaluating the Land and Ocean Components of the Global Carbon Cycle in the CMIP5 Earth System Models
Published: Sep 2013 in Journal of Climate
DOI: 10.1175/JCLI-D-12-00417.1

Asymmetric effects of daytime and night-time warming on Northern Hemisphere vegetation
Published: Sep 2013 in Nature
DOI: 10.1038/NATURE12434

Detection and attribution of vegetation greening trend in China over the last 30 years
Published: Apr 2015 in Global Change Biology
DOI: 10.1111/GCB.12795
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<td>Variability of the seasonally integrated normalized difference vegetation index across the north slope of Alaska in the 1990s</td>
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<td>Multiscale analysis and validation of the MODIS LAI product - I. Uncertainty assessment</td>
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<td>Widespread decline in greenness of Amazonian vegetation due to the 2010 drought</td>
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Continental-scale comparisons of terrestrial carbon sinks estimated from satellite data and ecosystem modeling 1982-1998
Published: Nov 2003 in Global and Planetary Change
DOI: 10.1016/J.GLOPLACHA.2003.07.001

Effect of orbital drift and sensor changes on the time series of AVHRR vegetation index data
Published: Nov 2000 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/36.885205

Increased vegetation growth and carbon stock in China karst via ecological engineering
Published: Jan 2018 in Nature Sustainability
DOI: 10.1038/S41893-017-0004-X

Evaluation of the representativeness of networks of sites for the global validation and intercomparison of land biophysical products: Proposition of the CEOS-BELMANIP
Published: 2006 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/TGRS.2006.876030

Carbon cycling in extratropical terrestrial ecosystems of the Northern Hemisphere during the 20th century: a modeling analysis of the influences of soil thermal dynamics
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Determination of land and ocean reflective, radiative, and biophysical properties using multiangle imaging
Published: Jul 1998 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/36.701077

Evaluation of the utility of satellite-based vegetation leaf area index data for climate simulations
Published: Sep 2001 in Journal of Climate
DOI: 10.1175/1520-0442(2001)014<3536:ETUSBS>2.0.CO;2

Analysis and optimization of the MODIS leaf area index algorithm retrievals over broadleaf forests
Published: 2005 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/TGRS.2005.852477

Satellite-based identification of linked vegetation index and sea surface temperature anomaly areas from 1982-1990 for Africa, Australia and South America
Published: Apr 1996 in Geophysical Research Letters
DOI: 10.1029/96GL00266
Global impacts of the 1980s regime shift
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Intercomparison and sensitivity analysis of Leaf Area Index retrievals from LAI-2000, AccuPAR, and digital hemispherical photography over croplands
Published: Jul 2008 in Agricultural and Forest Meteorology
DOI: 10.1016/J.AGRFORMET.2008.02.014

Changes in growing season duration and productivity of northern vegetation inferred from long-term remote sensing data
Published: Aug 2016 in Environmental Research Letters
DOI: 10.1088/1748-9326/11/8/084001

Analysis of leaf area index and fraction of PAR absorbed by vegetation products from the terra MODIS sensor: 2000-2005
Published: Jul 2006 in IEEE Transactions on Geoscience and Remote Sensing
DOI: 10.1109/TGRS.2006.871214

Analysis of leaf area index products from combination of MODIS Terra and Aqua data
Published: Oct 2006 in Remote Sensing of Environment
DOI: 10.1016/J.RSE.2006.04.016

Characteristics, drivers and feedbacks of global greening
Published: Jan 2020 in Nature Reviews Earth & Environment
DOI: 10.1038/S43017-019-0001-X

Early spatial and temporal validation of MODIS LAI product in the Southern Africa Kalahari
Published: Nov 2002 in Remote Sensing of Environment
DOI: 10.1016/S0034-4257(02)00075-5

Analysis of interannual changes in northern vegetation activity observed in AVHRR data from 1981 to 1994
Published: Jan 2002 in IEEE Transactions on Geoscience and Remote Sensing
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Climate mitigation from vegetation biophysical feedbacks during the past three decades
Published: Jun 2017 in Nature Climate Change
DOI: 10.1038/NCLIMATE3299

Reduced streamflow in water-stressed climates consistent with CO2 effects on vegetation
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DOI: 10.1038/NCLIMATE2831
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Drought and spring cooling induced recent decrease in vegetation growth in Inner Asia
Published: Sep 2013 in Agricultural and Forest Meteorology
DOI: 10.1016/J.AGRFORMET.2012.09.014

Characterization and intercomparison of global moderate resolution leaf area index (LAI) products: Analysis of climatologies and theoretical uncertainties
Published: 2013 in Journal of Geophysical Research: Biogeosciences
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Comparison of seasonal and spatial variations of albedos from Moderate-Resolution Imaging Spectroradiometer (MODIS) and Common Land Model
Published: Aug 2003 in Journal of Geophysical Research: Atmospheres
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Generating vegetation leaf area index earth system data record from multiple sensors. Part 1: Theory
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Weakening temperature control on the interannual variations of spring carbon uptake across northern lands
Published: May 2017 in Nature Climate Change
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