

Ranga B. Myneni

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Publications

PUBLICATION METRICS

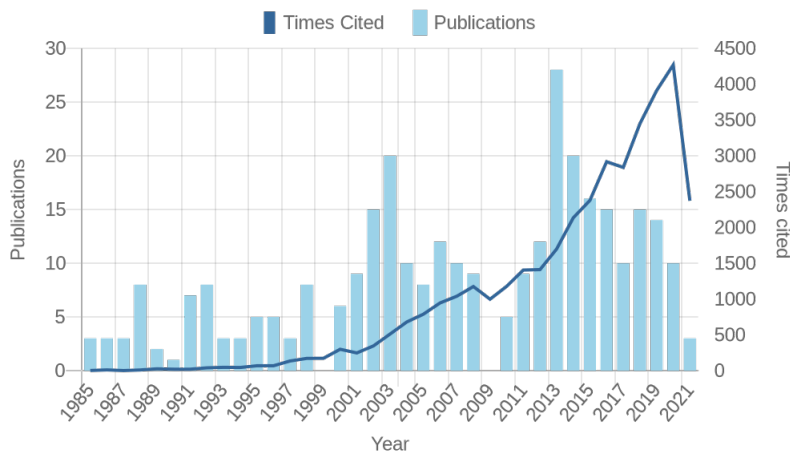
For manuscripts published from date range January 1985 - July 2021

CITATIONS	H-INDEX	PUBLICATIONS	WEB OF SCIENCE PUBLICATIONS
37836	95	318	318

For all time

CITATIONS	H-INDEX	PUBLICATIONS	WEB OF SCIENCE PUBLICATIONS
37836	95	318	318

PUBLICATION IMPACT OVER TIME



PUBLISHING SUMMARY

For manuscripts published from date range January 1985 - July 2021

(48) Remote Sensing of Environment	WOS	(30) Remote Sensing	WOS
(25) Journal of Geophysical Research: Atm...	WOS	(20) Agricultural and Forest Meteorology	WOS
(19) IEEE Transactions on Geoscience and ...	WOS	(16) Proceedings of the National Academy ...	WOS
(12) Geophysical Research Letters	WOS	(11) Global Change Biology	WOS

(11) Journal of Quantitative Spectroscopy ...	WOS	(9) Nature Climate Change	WOS
(8) Environmental Research Letters	WOS	(8) Earth Interactions	WOS
(7) International Geoscience and Remote Sensing...		(6) Nature Communications	WOS
(6) Journal of Climate	WOS	(5) Nature	WOS
(5) Journal of Geophysical Research: Bioge...	WOS	(5) International Journal of Remote Sensing	WOS
(4) Science Advances	WOS	(3) Biogeosciences	WOS
(3) Nature Ecology & Evolution	WOS	(3) Science	WOS
(2) Global Ecology and Biogeography	WOS	(2) Earth System Dynamics	WOS
(2) IEEE Geoscience and Remote Sensing ...	WOS	(2) Journal of the Atmospheric Sciences	WOS
(2) Journal of Geophysical Research - Part F - Soli...		(2) Environmental Science & Technology	WOS
(2) International Journal of Biometeorology	WOS	(2) Landscape Ecology	WOS
(2) Nature Sustainability	WOS	(2) Global Biogeochemical Cycles	WOS
(2) IGARSS 91 - REMOTE SENSING: GLOBAL MO...		(2) Advances in Space Research	WOS
(2) Forests	WOS	(2) PHYSICAL MEASUREMENTS AND SIGNATUR...	
(1) Journal of Hydrology	WOS	(1) Agronomie	
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(1) Climate	WOS	(1) Symposium on Global Change and Climate Va...	
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(1) New Phytologist	WOS	(1) Global and Planetary Change	WOS
(1) IGARSS: SCANNING THE PRESENT AND RES...		(1) INTERNATIONAL SPACE YEAR: SPACE REMO...	
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(1) International Journal of Climatology	WOS	(1) XXIII ISPRS Congress, Commission I	

MANUSCRIPTS PUBLISHED (318)

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TIMES CITED (ALL TIME)

Increased plant growth in the northern high latitudes from 1981 to 1991

Published: Apr 1997 in Nature

DOI: 10.1038/386698A0

2330

Climate-driven increases in global terrestrial net primary production from 1982 to 1999 Published: Jun 2003 in Science DOI: 10.1126/SCIENCE.1082750	2099
Carbon and Other Biogeochemical Cycles Published: 2014 in Climate Change 2013: the Physical Science Basis DOI: 10.1017/CBO9781107415324.015	1259
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	1259
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	1025
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	917
THE INTERPRETATION OF SPECTRAL VEGETATION INDEXES Published: Mar 1995 in IEEE Transactions on Geoscience and Remote Sensing DOI: 10.1109/36.377948	835
Greening of the Earth and its drivers Published: Aug 2016 in Nature Climate Change DOI: 10.1038/NCLIMATE3004	726
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	719
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Contribution of semi-arid ecosystems to interannual variability of the global carbon cycle Published: May 2014 in Nature DOI: 10.1038/NATURE13376	649

Synergistic algorithm for estimating vegetation canopy leaf area index and fraction of absorbed photosynthetically active radiation from MODIS and MISR data	600
Published: Dec 1998 in Journal of Geophysical Research: Atmospheres DOI: 10.1029/98JD02462	
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Published: Jun 2004 in Proceedings of the National Academy of Sciences DOI: 10.1073/PNAS.0400357101	
Higher northern latitude normalized difference vegetation index and growing season trends from 1982 to 1999	498
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Amazon rainforests green-up with sunlight in dry season	491
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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	484
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Surface Urban Heat Island Across 419 Global Big Cities	441
Published: Jan 2012 in Environmental Science & Technology DOI: 10.1021/ES2030438	
A large carbon sink in the woody biomass of Northern forests	430
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Remote sensing of vegetation and land-cover change in Arctic Tundra Ecosystems	426
Published: Feb 2004 in Remote Sensing of Environment DOI: 10.1016/J.RSE.2003.10.018	
China and India lead in greening of the world through land-use management	422
Published: Feb 2019 in Nature Sustainability DOI: 10.1038/S41893-019-0220-7	

- Retrieval of canopy biophysical variables from bidirectional reflectance - Using prior information to solve the ill-posed inverse problem **412**
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- Recent trends and drivers of regional sources and sinks of carbon dioxide **365**
Published: 2015 in Biogeosciences
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- Validation and intercomparison of global Leaf Area Index products derived from remote sensing data **304**
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- Large seasonal swings in leaf area of Amazon rainforests **289**
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- Validation of global moderate-resolution LAI products: A framework proposed within the CEOS Land Product Validation subgroup **289**
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- Investigation of a model inversion technique to estimate canopy biophysical variables from spectral and directional reflectance data **283**
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DOI: 10.1051/AGRO:2000105
- Evaluating the Land and Ocean Components of the Global Carbon Cycle in the CMIP5 Earth System Models **276**
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 **269**
Published: Sep 2013 in Nature
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- Detection and attribution of vegetation greening trend in China over the last 30 years **264**
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Afforestation in China cools local land surface temperature	254
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Increased dry-season length over southern Amazonia in recent decades and its implication for future climate projection	234
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MODIS leaf area index products: From validation to algorithm improvement	227
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Evidence for a weakening relationship between interannual temperature variability and northern vegetation activity	223
Published: Oct 2014 in Nature Communications DOI: 10.1038/NCOMMS6018	
Amazon forests did not green-up during the 2005 drought	221
Published: Mar 2010 in Geophysical Research Letters DOI: 10.1029/2009GL042154	
Persistent effects of a severe drought on Amazonian forest canopy	216
Published: 2013 in Proceedings of the National Academy of Sciences DOI: 10.1073/PNAS.1204651110	
Evaporative cooling over the Tibetan Plateau induced by vegetation growth	207
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Widespread decline of Congo rainforest greenness in the past decade Published: May 2014 in Nature DOI: 10.1038/NATURE13265	205
The impact of gridding artifacts on the local spatial properties of MODIS data: Implications for validation, compositing, and band-to-band registration across resolutions Published: Nov 2006 in Remote Sensing of Environment DOI: 10.1016/J.RSE.2006.06.008	205
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Coupling of the common land model to the NCAR community climate model Published: Jul 2002 in Journal of Climate DOI: 10.1175/1520-0442(2002)015<1832:COTCLM>2.0.CO;2	193
Changes in satellite-derived spring vegetation green-up date and its linkage to climate in China from 1982 to 2010: a multimethod analysis Published: Mar 2013 in Global Change Biology DOI: 10.1111/GCB.12077	192
Relation between interannual variations in satellite measures of northern forest greenness and climate between 1982 and 1999 Published: Jan 2003 in Journal of Geophysical Research: Atmospheres DOI: 10.1029/2002JD002510	190
Thresholds for warming-induced growth decline at elevational tree line in the Yukon Territory, Canada Published: Sep 2004 in Global Biogeochemical Cycles DOI: 10.1029/2004GB002249	189
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Evaluation of the MODIS LAI algorithm at a coniferous forest site in Finland Published: May 2004 in Remote Sensing of Environment DOI: 10.1016/J.RSE.2004.02.007	181
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Variability of the seasonally integrated normalized difference vegetation index across the north slope of Alaska in the 1990s Published: Mar 2003 in International Journal of Remote Sensing DOI: 10.1080/0143116021000020144	161
An algorithm to produce temporally and spatially continuous MODIS-LAI time series Published: Jan 2008 in IEEE Geoscience and Remote Sensing Letters DOI: 10.1109/LGRS.2007.907971	154
Multiscale analysis and validation of the MODIS LAI product - I. Uncertainty assessment Published: Dec 2002 in Remote Sensing of Environment DOI: 10.1016/S0034-4257(02)00047-0	154
Widespread decline in greenness of Amazonian vegetation due to the 2010 drought Published: Apr 2011 in Geophysical Research Letters DOI: 10.1029/2011GL046824	153

- Continental-scale comparisons of terrestrial carbon sinks estimated from satellite data and ecosystem modeling 1982-1998 **150**
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 **145**
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- Increased vegetation growth and carbon stock in China karst via ecological engineering **137**
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DOI: 10.1038/S41893-017-0004-X
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- Carbon cycling in extratropical terrestrial ecosystems of the Northern Hemisphere during the 20th century: a modeling analysis of the influences of soil thermal dynamics **134**
Published: Jul 2003 in Tellus, Series B: Chemical and Physical Meteorology
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- Determination of land and ocean reflective, radiative, and biophysical properties using multiangle imaging **132**
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- Evaluation of the utility of satellite-based vegetation leaf area index data for climate simulations **131**
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DOI: 10.1175/1520-0442(2001)014<3536:EOTUOS>2.0.CO;2
- Analysis and optimization of the MODIS leaf area index algorithm retrievals over broadleaf forests **129**
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DOI: 10.1029/96GL00266

Global impacts of the 1980s regime shift Published: Feb 2016 in Global Change Biology DOI: 10.1111/GCB.13106	128
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	128
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	125
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	124
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	121
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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	112
Reduced streamflow in water-stressed climates consistent with CO2 effects on vegetation Published: 2016 in Nature Climate Change DOI: 10.1038/NCLIMATE2831	111

- Comparison of seasonal and spatial variations of leaf area index and fraction of absorbed photosynthetically active radiation from Moderate Resolution Imaging Spectroradiometer (MODIS) and Common Land Model **104**
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- Evaluation of MODIS LAI/FPAR Product Collection 6. Part 2: Validation and Intercomparison **102**
Published: May 2016 in Remote Sensing
DOI: 10.3390/RS8060460
- Time-series validation of MODIS land biophysical products in a Kalahari woodland, Africa **101**
Published: Oct 2005 in International Journal of Remote Sensing
DOI: 10.1080/01431160500113393
- The effect of vegetation on surface temperature: A statistical analysis of NDVI and climate data **101**
Published: Nov 2003 in Geophysical Research Letters
DOI: 10.1029/2003GL018251
- Interannual covariability in Northern Hemisphere air temperatures and greenness associated with El Nino-Southern Oscillation and the Arctic Oscillation **99**
Published: Jul 2003 in Journal of Geophysical Research: Atmospheres
DOI: 10.1029/2002JD002630
- RADIATIVE-TRANSFER IN VEGETATION CANOPIES WITH ANISOTROPIC SCATTERING **99**
Published: Feb 1988 in Journal of Quantitative Spectroscopy and Radiative Transfer
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- Precipitation patterns alter growth of temperate vegetation **98**
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DOI: 10.1029/2005GL024231
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DOI: 10.5194/BG-11-3547-2014
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DOI: 10.1073/PNAS.1219683110
- Canopy spectral invariants for remote sensing and model applications **96**
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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	95
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 DOI: 10.1002/JGRG.20051	95
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 DOI: 10.1029/2002JD003326	94
Generating vegetation leaf area index earth system data record from multiple sensors. Part 1: Theory Published: Dec 2008 in Remote Sensing of Environment DOI: 10.1016/J.RSE.2008.07.014	92
Prototyping of MODIS LAI and FPAR algorithm with LASUR and LANDSAT data Published: 2000 in IEEE Transactions on Geoscience and Remote Sensing DOI: 10.1109/36.868894	92
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Effect of foliage spatial heterogeneity in the MODIS LAI and FPAR algorithm over broadleaf forests	67
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