Ranga B Myneni

List of Publications by Year in Descending Order

312 papers	41,705 citations	101 h-index	200 g-index
324 ext. papers	47,896 ext. citations	9.1 avg, IF	7.01 L-index

#	Paper	IF	Citations
312	Seasonal and long-term variations in leaf area of Congolese rainforest. *Remote Sensing of Environment*, **2022**, 268, 112762	13.2	1
311	Modeling the radiation regime of a discontinuous canopy based on the stochastic radiative transport theory: Modification, evaluation and validation. *Remote Sensing of Environment*, **2021**, 267, 112728	13.2	3
310	Vegetation Angular Signatures of Equatorial Forests From DSCOVR EPIC and Terra MISR Observations. *Frontiers in Remote Sensing*, **2021**, 2,	1	1
309	Where Are Global Vegetation Greening and Browning Trends Significant?. *Geophysical Research Letters*, **2021**, 48, e2020GL091496	4.9	20
308	A Bibliometric Visualization Review of the MODIS LAI/FPAR Products from 1995 to 2020. *Journal of Remote Sensing*, **2021**, 2021, 1-20		7
307	Performance stability of the MODIS and VIIRS LAI algorithms inferred from analysis of long time series of products. *Remote Sensing of Environment*, **2021**, 260, 112438	13.2	10
306	Prototyping of LAI and FPAR Retrievals From GOES-16 Advanced Baseline Imager Data Using Global Optimizing Algorithm. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2021**, 14, 6937-6950	4.7	1
305	New generation geostationary satellite observations support seasonality in greenness of the Amazon evergreen forests. *Nature Communications*, **2021**, 12, 684	17.4	18
304	Seasonal biological carryover dominates northern vegetation growth. *Nature Communications*, **2021**, 12, 983	17.4	9
303	Earth Imaging From the Surface of the Moon With a DSCOVR/EPIC-Type Camera. *Frontiers in Remote Sensing*, **2021**, 2,	1	2
302	Comment on "Recent global decline of CO fertilization effects on vegetation photosynthesis". *Science*, **2021**, 373, eabg5673	33.3	5
301	Slowdown of the greening trend in natural vegetation with further rise in atmospheric CO₂. *Biogeosciences*, **2021**, 18, 4985-5010	4.6	11
300	Interannual Variability of Carbon Uptake of Secondary Forests in the Brazilian Amazon (2004-2014). *Global Biogeochemical Cycles*, **2020**, 34, e2019GB006396	5.9	5
299	Improving leaf area index retrieval over heterogeneous surface mixed with water. *Remote Sensing of Environment*, **2020**, 240, 111700	13.2	8
298	Recent wetting trend in China from 1982 to 2016 and the impacts of extreme El Niô events. *International Journal of Climatology*, **2020**, 40, 5485-5501	3.5	0
297	Summer soil drying exacerbated by earlier spring greening of northern vegetation. *Science Advances*, **2020**, 6, eaax0255	14.3	106
296	Characteristics, drivers and feedbacks of global greening. *Nature Reviews Earth & Environment*, **2020**, 1, 14-27	30.2	316

295	Evaluation of the MODIS LAI/FPAR Algorithm Based on 3D-RTM Simulations: A Case Study of Grassland. *Remote Sensing*, **2020**, 12, 3391	5	9
294	Biophysical impacts of Earth greening largely controlled by aerodynamic resistance. *Science Advances*, **2020**, 6,	14.3	21
293	Future greening of the Earth may not be as large as previously predicted. *Agricultural and Forest Meteorology*, **2020**, 292-293, 108111	5.8	12
292	Attribution of Land-Use/Land-Cover Change Induced Surface Temperature Anomaly: How Accurate Is the First-Order Taylor Series Expansion?. *Journal of Geophysical Research G: Biogeosciences*, **2020**, 125, e2020JG005787	3.7	2
291	Ecological engineering projects increased vegetation cover, production, and biomass in semiarid and subhumid Northern China. *Land Degradation and Development*, **2019**, 30, 1620-1631	4.4	32
290	Mapping Maximum Tree Height of the Great Khingan Mountain, Inner Mongolia Using the Allometric Scaling and Resource Limitations Model. *Forests*, **2019**, 10, 380	2.8	1
289	Air temperature optima of vegetation productivity across global biomes. *Nature Ecology and Evolution*, **2019**, 3, 772-779	12.3	128
288	Constraints to Vegetation Growth Reduced by Region-Specific Changes in Seasonal Climate. *Climate*, **2019**, 7, 27	3.1	8
287	Changes in timing of seasonal peak photosynthetic activity in northern ecosystems. *Global Change Biology*, **2019**, 25, 2382-2395	11.4	31
286	China and India lead in greening of the world through land-use management. *Nature Sustainability*, **2019**, 2, 122-129	22.1	796
285	Legacies of Historical Exploitation of Natural Resources Are More Important Than Summer Warming for Recent Biomass Increases in a Boreal/Arctic Transition Region. *Ecosystems*, **2019**, 22, 1512-1529	3.9	4
284	Satellite-observed pantropical carbon dynamics. *Nature Plants*, **2019**, 5, 944-951	11.5	82
283	Generation and Evaluation of LAI and FPAR Products from Himawari-8 Advanced Himawari Imager (AHI) Data. *Remote Sensing*, **2019**, 11, 1517	5	13
282	Investigating the applicability of emergent constraints. *Earth System Dynamics*, **2019**, 10, 501-523	4.8	6
281	Earth system models underestimate carbon fixation by plants in the high latitudes. *Nature Communications*, **2019**, 10, 885	17.4	39
280	Extension of the growing season increases vegetation exposure to frost. *Nature Communications*, **2018**, 9, 426	17.4	106
279	Impact of Earth Greening on the Terrestrial Water Cycle. *Journal of Climate*, **2018**, 31, 2633-2650	4.4	72
278	Recent Changes in Global Photosynthesis and Terrestrial Ecosystem Respiration Constrained From Multiple Observations. *Geophysical Research Letters*, **2018**, 45, 1058-1068	4.9	12

277	Increased vegetation growth and carbon stock in China karst via ecological engineering. *Nature Sustainability*, **2018**, 1, 44-50	22.1	230
276	Generating Global Products of LAI and FPAR From SNPP-VIIRS Data: Theoretical Background and Implementation. *IEEE Transactions on Geoscience and Remote Sensing*, **2018**, 56, 2119-2137	8.1	46
275	An integrated method for validating long-term leaf area index products using global networks of site-based measurements. *Remote Sensing of Environment*, **2018**, 209, 134-151	13.2	40
274	Factors controlling changes in evapotranspiration, runoff, and soil moisture over the conterminous U.S.: Accounting for vegetation dynamics. *Journal of Hydrology*, **2018**, 565, 123-137	6	17
273	Analysis of Global LAI/FPAR Products from VIIRS and MODIS Sensors for Spatio-Temporal Consistency and Uncertainty from 2012–2016. *Forests*, **2018**, 9, 73	2.8	43
272	Coupling of ecosystem-scale plant water storage and leaf phenology observed by satellite. *Nature Ecology and Evolution*, **2018**, 2, 1428-1435	12.3	72
271	Post-drought decline of the Amazon carbon sink. *Nature Communications*, **2018**, 9, 3172	17.4	59
270	Lower land-use emissions responsible for increased net land carbon sink during the slow warming period. *Nature Geoscience*, **2018**, 11, 739-743	18.3	62
269	Implications of Whole-Disc DSCOVR EPIC Spectral Observations for Estimating Earth's Spectral Reflectivity Based on Low-Earth-Orbiting and Geostationary Observations. *Remote Sensing*, **2018**, 10, 1594	5	9
268	Contrasting responses of autumn-leaf senescence to daytime and night-time warming. *Nature Climate Change*, **2018**, 8, 1092-1096	21.4	80
267	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	5	8
266	Impact of the 2015/2016 El Niño on the terrestrial carbon cycle constrained by bottom-up and top-down approaches. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	41
265	Weakening temperature control on the interannual variations of spring carbon uptake across northern lands. *Nature Climate Change*, **2017**, 7, 359-363	21.4	107
264	Attribution of seasonal leaf area index trends in the northern latitudes with "optimally" integrated ecosystem models. *Global Change Biology*, **2017**, 23, 4798-4813	11.4	26
263	Was the extreme Northern Hemisphere greening in 2015 predictable?. *Environmental Research Letters*, **2017**, 12, 044016	6.2	18
262	Arctic greening from warming promotes declines in caribou populations. *Science Advances*, **2017**, 3, e1601365	14.1	56
261	Inconsistencies of interannual variability and trends in long-term satellite leaf area index products. *Global Change Biology*, **2017**, 23, 4133-4146	11.4	105
260	Estimation of leaf area index and its sunlit portion from DSCOVR EPIC data: Theoretical basis. *Remote Sensing of Environment*, **2017**, 198, 69-84	13.2	36

259	Climate mitigation from vegetation biophysical feedbacks during the past three decades. *Nature Climate Change*, **2017**, 7, 432-436	21.4	181
258	Velocity of change in vegetation productivity over northern high latitudes. *Nature Ecology and Evolution*, **2017**, 1, 1649-1654	12.3	43
257	Nonlinear variations of forest leaf area index over China during 1982-2010 based on EEMD method. *International Journal of Biometeorology*, **2017**, 61, 977-988	3.7	19
256	Prototyping of LAI and FPAR Retrievals from MODIS Multi-Angle Implementation of Atmospheric Correction (MAIAC) Data. *Remote Sensing*, **2017**, 9, 370	5	15
255	Reduced streamflow in water-stressed climates consistent with CO2 effects on vegetation. *Nature Climate Change*, **2016**, 6, 75-78	21.4	146
254	Application of the metabolic scaling theory and water-energy balance equation to model large-scale patterns of maximum forest canopy height. *Global Ecology and Biogeography*, **2016**, 25, 1428-1442	6.1	5
253	Reducing uncertainties in decadal variability of the global carbon budget with multiple datasets. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13104-13108	11.5	28
252	Satellite-observed changes in terrestrial vegetation growth trends across the Asia-Pacific region associated with land cover and climate from 1982 to 2011. *International Journal of Digital Earth*, **2016**, 9, 1055-1076	3.9	9
251	Human-induced greening of the northern extratropical land surface. *Nature Climate Change*, **2016**, 6, 959-963	21.4	109
250	Analyses of Impact of Needle Surface Properties on Estimation of Needle Absorption Spectrum: Case Study with Coniferous Needle and Shoot Samples. *Remote Sensing*, **2016**, 8, 563	5	46
249	Evaluation of MODIS LAI/FPAR Product Collection 6. Part 1: Consistency and Improvements. *Remote Sensing*, **2016**, 8, 359	5	106
248	Evaluation of MODIS LAI/FPAR Product Collection 6. Part 2: Validation and Intercomparison. *Remote Sensing*, **2016**, 8, 460	5	145
247	Observationally based analysis of land-atmosphere coupling. *Earth System Dynamics*, **2016**, 7, 251-266	4.8	11
246	Amazon Forests' Response to Droughts: A Perspective from the MAIAC Product. *Remote Sensing*, **2016**, 8, 356	5	22
245	Abiotic Controls on Macroscale Variations of Humid Tropical Forest Height. *Remote Sensing*, **2016**, 8, 494	5	9
244	Assessing spatiotemporal variation of drought in China and its impact on agriculture during 1982–2011 by using PDSI indices and agriculture drought survey data. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 2283-2298	4.4	45
243	Changes in growing season duration and productivity of northern vegetation inferred from long-term remote sensing data. *Environmental Research Letters*, **2016**, 11, 084001	6.2	154
242	Global impacts of the 1980s regime shift. *Global Change Biology*, **2016**, 22, 682-703	11.4	167

241	Greening of the Earth and its drivers. *Nature Climate Change*, **2016**, 6, 791-795	21.4	1036
240	Reply to Gonsamo et al.: Effect of the Eastern Atlantic-West Russia pattern on Amazon vegetation has not been demonstrated. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E1056	11.5	
239	Evaporative cooling over the Tibetan Plateau induced by vegetation growth. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9299-304	11.5	270
238	Leaf onset in the northern hemisphere triggered by daytime temperature. *Nature Communications*, **2015**, 6, 6911	17.4	261
237	Seasonally different response of photosynthetic activity to daytime and night-time warming in the Northern Hemisphere. *Global Change Biology*, **2015**, 21, 377-87	11.4	48
236	Sunlight mediated seasonality in canopy structure and photosynthetic activity of Amazonian rainforests. *Environmental Research Letters*, **2015**, 10, 064014	6.2	77
235	Detection and attribution of vegetation greening trend in China over the last 30′years. *Global Change Biology*, **2015**, 21, 1601-9	11.4	373
234	The Relationship Between the Use of a Worksite Medical Home and ED Visits or Hospitalizations. *Inquiry (United States)*, **2015**, 52, 004695801560960	1.4	78
233	Satellite observation of tropical forest seasonality: spatial patterns of carbon exchange in Amazonia. *Environmental Research Letters*, **2015**, 10, 084005	6.2	39
232	Mapping Forest Canopy Height over Continental China Using Multi-Source Remote Sensing Data. *Remote Sensing*, **2015**, 7, 8436-8452	5	18
231	Recent trends and drivers of regional sources and sinks of carbon dioxide. *Biogeosciences*, **2015**, 12, 653-679	4.6	432
230	Has the advancing onset of spring vegetation green-up slowed down or changed abruptly over the last three decades?. *Global Ecology and Biogeography*, **2015**, 24, 621-631	6.1	86
229	Response of vegetation activity dynamic to climatic change and ecological restoration programs in Inner Mongolia from 2000 to 2012. *Ecological Engineering*, **2015**, 82, 276-289	3.9	95
228	Mapping Annual Precipitation across Mainland China in the Period 2001–2010 from TRMM3B43 Product Using Spatial Downscaling Approach. *Remote Sensing*, **2015**, 7, 5849-5878	5	48
227	On the measurability of change in Amazon vegetation from MODIS. *Remote Sensing of Environment*, **2015**, 166, 233-242	13.2	59
226	Tropical nighttime warming as a dominant driver of variability in the terrestrial carbon sink. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15591-6	11.5	69
225	A Comparative Study of Predicting DBH and Stem Volume of Individual Trees in a Temperate Forest Using Airborne Waveform LiDAR. *IEEE Geoscience and Remote Sensing Letters*, **2015**, 12, 2267-2271	4.1	18
224	Satellite-indicated long-term vegetation changes and their drivers on the Mongolian Plateau. *Landscape Ecology*, **2015**, 30, 1599-1611	4.3	67

223	Contribution of semi-arid ecosystems to interannual variability of the global carbon cycle. *Nature*, **2014**, 509, 600-3	50.4	778
222	A two-fold increase of carbon cycle sensitivity to tropical temperature variations. *Nature*, **2014**, 506, 212-5	50.4	210
221	Vegetation dynamics and rainfall sensitivity of the Amazon. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16041-6	11.5	205
220	Evidence for a weakening relationship between interannual temperature variability and northern vegetation activity. *Nature Communications*, **2014**, 5, 5018	17.4	274
219	Development of a remotely sensing seasonal vegetation-based Palmer Drought Severity Index and its application of global drought monitoring over 1982–2011. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 9419-9440	4.4	14
218	Widespread decline of Congo rainforest greenness in the past decade. *Nature*, **2014**, 509, 86-90	50.4	274
217	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	13.2	76
216	Changes in vegetation photosynthetic activity trends across the Asia–Pacific region over the last three decades. *Remote Sensing of Environment*, **2014**, 144, 28-41	13.2	102
215	Application of Physically-Based Slope Correction for Maximum Forest Canopy Height Estimation Using Waveform Lidar across Different Footprint Sizes and Locations: Tests on LVIS and GLAS. *Remote Sensing*, **2014**, 6, 6566-6586	5	20
214	Evaluation of the ORCHIDEE ecosystem model over Africa against 25 years of satellite-based water and carbon measurements. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 1554-1575	3.7	27
213	Changes in Vegetation Growth Dynamics and Relations with Climate over China's Landmass from 1982 to 2011. *Remote Sensing*, **2014**, 6, 3263-3283	5	104
212	Temperature and Snow-Mediated Moisture Controls of Summer Photosynthetic Activity in Northern Terrestrial Ecosystems between 1982 and 2011. *Remote Sensing*, **2014**, 6, 1390-1431	5	71
211	Allometric Scaling and Resource Limitations Model of Tree Heights: Part 3. Model Optimization and Testing over Continental China. *Remote Sensing*, **2014**, 6, 3533-3553	5	14
210	1982–2010 Trends of Light Use Efficiency and Inherent Water Use Efficiency in African vegetation: Sensitivity to Climate and Atmospheric CO2 Concentrations. *Remote Sensing*, **2014**, 6, 8923-8944	5	14
209	On Line Validation Exercise (OLIVE): A Web Based Service for the Validation of Medium Resolution Land Products. Application to FAPAR Products. *Remote Sensing*, **2014**, 6, 4190-4216	5	47
208	Current systematic carbon-cycle observations and the need for implementing a policy-relevant carbon observing system. *Biogeosciences*, **2014**, 11, 3547-3602	4.6	136
207	Impact of droughts on the carbon cycle in European vegetation: a probabilistic risk analysis using six vegetation models. *Biogeosciences*, **2014**, 11, 6357-6375	4.6	27
206	Afforestation in China cools local land surface temperature. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 2915-9	11.5	329

205	Green Leaf Area and Fraction of Photosynthetically Active Radiation Absorbed by Vegetation. *Springer Remote Sensing/photogrammetry*, **2014**, 43-61	0.2	3
204	Recent trends in Inner Asian forest dynamics to temperature and precipitation indicate high sensitivity to climate change. *Agricultural and Forest Meteorology*, **2013**, 178-179, 31-45	5.8	92
203	Asymmetric effects of daytime and night-time warming on Northern Hemisphere vegetation. *Nature*, **2013**, 501, 88-92	50.4	328
202	Evaluating the Land and Ocean Components of the Global Carbon Cycle in the CMIP5 Earth System Models. *Journal of Climate*, **2013**, 26, 6801-6843	4.4	340
201	Using hyperspectral vegetation indices to estimate the fraction of photosynthetically active radiation absorbed by corn canopies. *International Journal of Remote Sensing*, **2013**, 34, 8789-8802	3.1	31
200	Diagnostic analysis of interannual variation of global land evapotranspiration over 1982–2011: Assessing the impact of ENSO. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 8969-8983	4.4	29
199	Large-scale variations in the vegetation growing season and annual cycle of atmospheric CO2 at high northern latitudes from 1950 to 2011. *Global Change Biology*, **2013**, 19, 3167-83	11.4	206
198	Drought and spring cooling induced recent decrease in vegetation growth in Inner Asia. *Agricultural and Forest Meteorology*, **2013**, 178-179, 21-30	5.8	114
197	Temperature and vegetation seasonality diminishment over northern lands. *Nature Climate Change*, **2013**, 3, 581-586	21.4	381
196	Characterization and intercomparison of global moderate resolution leaf area index (LAI) products: Analysis of climatologies and theoretical uncertainties. *Journal of Geophysical Research G: Biogeosciences*, **2013**, 118, 529-548	3.7	120
195	Changes in satellite-derived spring vegetation green-up date and its linkage to climate in China from 1982 to 2010: a multimethod analysis. *Global Change Biology*, **2013**, 19, 881-91	11.4	215
194	Evaluation of terrestrial carbon cycle models for their response to climate variability and to CO2 trends. *Global Change Biology*, **2013**, 19, 2117-32	11.4	481
193	Persistent effects of a severe drought on Amazonian forest canopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 565-70	11.5	264
192	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. *Remote Sensing*,	5	579
191	Increased dry-season length over southern Amazonia in recent decades and its implication for future climate projection. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 18110-5	11.5	286
190	Reply to Townsend et al.: Decoupling contributions from canopy structure and leaf optics is critical for remote sensing leaf biochemistry. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E1075	11.5	9
189	Variations in atmospheric CO2 growth rates coupled with tropical temperature. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 13061-6	11.5	119
188	Hyperspectral remote sensing of foliar nitrogen content. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E185-92	11.5	310

187	Reply to Ollinger et al.: Remote sensing of leaf nitrogen and emergent ecosystem properties. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E2438	11.5	8
186	Recent Changes in Terrestrial Gross Primary Productivity in Asia from 1982 to 2011. *Remote Sensing* , **2013**, 5, 6043-6062	5	26
185	Assessing Performance of NDVI and NDVI3g in Monitoring Leaf Unfolding Dates of the Deciduous Broadleaf Forest in Northern China. *Remote Sensing*, **2013**, 5, 845-861	5	30
184	Allometric Scaling and Resource Limitations Model of Tree Heights: Part 2. Site Based Testing of the Model. *Remote Sensing*, **2013**, 5, 202-223	5	12
183	Allometric Scaling and Resource Limitations Model of Tree Heights: Part 1. Model Optimization and Testing over Continental USA. *Remote Sensing*, **2013**, 5, 284-306	5	17
182	The Impact of Potential Land Cover Misclassification on MODIS Leaf Area Index (LAI) Estimation: A Statistical Perspective. *Remote Sensing*, **2013**, 5, 830-844	5	39
181	Global Latitudinal-Asymmetric Vegetation Growth Trends and Their Driving Mechanisms: 1982–2009. *Remote Sensing*, **2013**, 5, 1484-1497	5	98
180	Divergent Arctic-Boreal Vegetation Changes between North America and Eurasia over the Past 30 Years. *Remote Sensing*, **2013**, 5, 2093-2112	5	50
179	Evaluation of CLM4 Solar Radiation Partitioning Scheme Using Remote Sensing and Site Level FPAR Datasets. *Remote Sensing*, **2013**, 5, 2857-2882	5	14
178	A Production Efficiency Model-Based Method for Satellite Estimates of Corn and Soybean Yields in the Midwestern US. *Remote Sensing*, **2013**, 5, 5926-5943	5	44
177	Seasonal changes in leaf area of Amazon forests from leaf flushing and abscission. *Journal of Geophysical Research*, **2012**, 117,		53
176	Response to Comment on "Surface Urban Heat Island Across 419 Global Big Cities" *Environmental Science & Technology*, **2012**, 46, 6889-6890	10.3	9
175	Surface urban heat island across 419 global big cities. *Environmental Science & Technology*, **2012**, 46, 696-703	10.3	598
174	Generating global Leaf Area Index from Landsat: Algorithm formulation and demonstration. *Remote Sensing of Environment*, **2012**, 122, 185-202	13.2	98
173	Exploring Simple Algorithms for Estimating Gross Primary Production in Forested Areas from Satellite Data. *Remote Sensing*, **2012**, 4, 303-326	5	36
172	Why Is Remote Sensing of Amazon Forest Greenness So Challenging?. *Earth Interactions*, **2012**, 16, 1-14	1.5	41
171	Spatio-temporal patterns of the area experiencing negative vegetation growth anomalies in China over the last three decades. *Environmental Research Letters*, **2012**, 7, 035701	6.2	50
170	Estimation of tree heights using remote sensing data and an Allometric Scaling and Resource Limitations (ASRL) model **2012**,		1

169	Interpretation of variations in MODIS-measured greenness levels of Amazon forests during 2000 to 2009. *Environmental Research Letters*, **2012**, 7, 024018	6.2	24
168	Global evapotranspiration over the past three decades: estimation based on the water balance equation combined with empirical models. *Environmental Research Letters*, **2012**, 7, 014026	6.2	86
167	Widespread decline in greenness of Amazonian vegetation due to the 2010 drought. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	171
166	MODIS Enhanced Vegetation Index data do not show greening of Amazon forests during the 2005 drought. *New Phytologist*, **2011**, 189, 11-5	9.8	45
165	Canopy spectral invariants, Part 2: Application to classification of forest types from hyperspectral data. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2011**, 112, 736-750	2.1	36
164	Canopy spectral invariants. Part 1: A new concept in remote sensing of vegetation. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2011**, 112, 727-735	2.1	44
163	Retrieval of canopy height using moderate-resolution imaging spectroradiometer (MODIS) data. *Remote Sensing of Environment*, **2011**, 115, 1595-1601	13.2	39
162	Comment on "Drought-induced reduction in global terrestrial net primary production from 2000 through 2009". *Science*, **2011**, 333, 1093; author reply 1093	33.3	78
161	Recent change of vegetation growth trend in China. *Environmental Research Letters*, **2011**, 6, 044027	6.2	197
160	Decadal Variations in NDVI and Food Production in India. *Remote Sensing*, **2010**, 2, 758-776	5	48
159	Monitoring crop yield in USA using a satellite-based climate-variability Impact Index **2010**,		9
158	Physical Climate Response to a Reduction of Anthropogenic Climate Forcing. *Earth Interactions*, **2010**, 14, 1-11	1.5	8
157	Amazon forests did not green-up during the 2005 drought. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	237
156	Regional distribution of forest height and biomass from multisensor data fusion. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		15
155	A physically based approach in retrieving vegetation Leaf Area Index from Landsat surface reflectance data **2010**,		1
154	Physical Climate Response to a Reduction of Anthropogenic Climate Forcing. *Earth Interactions*, **2010**, 14, 1-11	1.5	15
153	Leaf Area Index and Fraction of Absorbed PAR Products from Terra and Aqua MODIS Sensors: Analysis, Validation, and Refinement. *Remote Sensing and Digital Image Processing*, **2010**, 603-633	0.2	5
152	An Algorithm to Produce Temporally and Spatially Continuous MODIS-LAI Time Series. *IEEE Geoscience and Remote Sensing Letters*, **2008**, 5, 60-64	4.1	160

151	Validation and intercomparison of global Leaf Area Index products derived from remote sensing data. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		308
150	Intercomparison and sensitivity analysis of Leaf Area Index retrievals from LAI-2000, AccuPAR, and digital hemispherical photography over croplands. *Agricultural and Forest Meteorology*, **2008**, 148, 1193-1209	5.8	135
149	An empirical approach to retrieving monthly evapotranspiration over Amazonia. *International Journal of Remote Sensing*, **2008**, 29, 7045-7063	3.1	15
148	Identifying Climatic Controls on Ring Width: The Timing of Correlations between Tree Rings and NDVI. *Earth Interactions*, **2008**, 12, 1-14	1.5	24
147	The Power of Monitoring Stations and a CO2 Fertilization Effect: Evidence from Causal Relationships between NDVI and Carbon Dioxide. *Earth Interactions*, **2008**, 12, 1-23	1.5	2
146	Stochastic transport theory for investigating the three-dimensional canopy structure from space measurements. *Remote Sensing of Environment*, **2008**, 112, 35-50	13.2	78
145	Generating vegetation leaf area index Earth system data record from multiple sensors. Part 2: Implementation, analysis and validation. *Remote Sensing of Environment*, **2008**, 112, 4318-4332	13.2	72
144	Generating vegetation leaf area index earth system data record from multiple sensors. Part 1: Theory. *Remote Sensing of Environment*, **2008**, 112, 4333-4343	13.2	91
143	Physical interpretation of the correlation between multi-angle spectral data and canopy height. *Geophysical Research Letters*, **2007**, 34,	4.9	26
142	Stochastic radiative transfer model for mixture of discontinuous vegetation canopies. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2007**, 107, 236-262	2.1	25
141	Analysis of the MISR LAI/FPAR product for spatial and temporal coverage, accuracy and consistency. *Remote Sensing of Environment*, **2007**, 107, 334-347	13.2	35
140	Canopy spectral invariants for remote sensing and model applications. *Remote Sensing of Environment*, **2007**, 106, 106-122	13.2	97
139	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	11.4	65
138	Valuing ecosystem services: A shadow price for net primary production. *Ecological Economics*, **2007**, 64, 454-462	5.6	65
137	Intraseasonal Interactions between Temperature and Vegetation over the Boreal Forests. *Earth Interactions*, **2007**, 11, 1-30	1.5	9
136	Large seasonal swings in leaf area of Amazon rainforests. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 4820-3	11.5	336
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