

# Ranga B Myneni

## List of Publications by Citations

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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	Increased plant growth in the northern high latitudes from 1981 to 1991. <i>Nature</i> , <b>1997</b> , 386, 698-702	50.4	2581
311	Climate-driven increases in global terrestrial net primary production from 1982 to 1999. <i>Science</i> , <b>2003</b> , 300, 1560-3	33.3	2408
310	Global products of vegetation leaf area and fraction absorbed PAR from year one of MODIS data. <i>Remote Sensing of Environment</i> , <b>2002</b> , 83, 214-231	13.2	1379
309	Variations in northern vegetation activity inferred from satellite data of vegetation index during 1981 to 1999. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 20069-20083		1054
308	Greening of the Earth and its drivers. <i>Nature Climate Change</i> , <b>2016</b> , 6, 791-795	21.4	1036
307	The Moderate Resolution Imaging Spectroradiometer (MODIS): land remote sensing for global change research. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1998</b> , 36, 1228-1249	8.1	932
306	China and India lead in greening of the world through land-use management. <i>Nature Sustainability</i> , <b>2019</b> , 2, 122-129	22.1	796
305	Contribution of semi-arid ecosystems to interannual variability of the global carbon cycle. <i>Nature</i> , <b>2014</b> , 509, 600-3	50.4	778
304	Multi-angle Imaging SpectroRadiometer (MISR) instrument description and experiment overview. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1998</b> , 36, 1072-1087	8.1	721
303	Estimation of global leaf area index and absorbed par using radiative transfer models. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1997</b> , 35, 1380-1393	8.1	689
302	The interpretation of spectral vegetation indexes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1995</b> , 33, 481-486	8.1	648
301	Surface urban heat island across 419 global big cities. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 696-703	10.3	598
300	Evidence for a significant urbanization effect on climate in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 9540-4	11.5	585
299	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. <i>Remote Sensing</i> , <b>2013</b> , 5, 927-948	5	579
298	Climatic control of the high-latitude vegetation greening trend and Pinatubo effect. <i>Science</i> , <b>2002</b> , 296, 1687-9	33.3	578
297	Synergistic algorithm for estimating vegetation canopy leaf area index and fraction of absorbed photosynthetically active radiation from MODIS and MISR data. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 32257-32275		551
296	Higher northern latitude normalized difference vegetation index and growing season trends from 1982 to 1999. <i>International Journal of Biometeorology</i> , <b>2001</b> , 45, 184-90	3.7	548

295	Amazon rainforests green-up with sunlight in dry season. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	530
294	A large carbon sink in the woody biomass of Northern forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 14784-9	11.5	484
293	Evaluation of terrestrial carbon cycle models for their response to climate variability and to CO2 trends. <i>Global Change Biology</i> , <b>2013</b> , 19, 2117-32	11.4	481
292	On the relationship between FAPAR and NDVI. <i>Remote Sensing of Environment</i> , <b>1994</b> , 49, 200-211	13.2	471
291	Remote sensing of vegetation and land-cover change in Arctic Tundra Ecosystems. <i>Remote Sensing of Environment</i> , <b>2004</b> , 89, 281-308	13.2	444
290	Recent trends and drivers of regional sources and sinks of carbon dioxide. <i>Biogeosciences</i> , <b>2015</b> , 12, 653-679	6.79	432
289	Retrieval of canopy biophysical variables from bidirectional reflectance. <i>Remote Sensing of Environment</i> , <b>2003</b> , 84, 1-15	13.2	419
288	Temperature and vegetation seasonality diminishment over northern lands. <i>Nature Climate Change</i> , <b>2013</b> , 3, 581-586	21.4	381
287	Detection and attribution of vegetation greening trend in China over the last 30 years. <i>Global Change Biology</i> , <b>2015</b> , 21, 1601-9	11.4	373
286	Evaluating the Land and Ocean Components of the Global Carbon Cycle in the CMIP5 Earth System Models. <i>Journal of Climate</i> , <b>2013</b> , 26, 6801-6843	4.4	340
285	Large seasonal swings in leaf area of Amazon rainforests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 4820-3	11.5	336
284	Afforestation in China cools local land surface temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 2915-9	11.5	329
283	Asymmetric effects of daytime and night-time warming on Northern Hemisphere vegetation. <i>Nature</i> , <b>2013</b> , 501, 88-92	50.4	328
282	Characteristics, drivers and feedbacks of global greening. <i>Nature Reviews Earth &amp; Environment</i> , <b>2020</b> , 1, 14-27	30.2	316
281	Hyperspectral remote sensing of foliar nitrogen content. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E185-92	11.5	310
280	Validation and intercomparison of global Leaf Area Index products derived from remote sensing data. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		308
279	Validation of global moderate-resolution LAI products: a framework proposed within the CEOS land product validation subgroup. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2006</b> , 44, 1804-1817	8.17	288
278	Increased dry-season length over southern Amazonia in recent decades and its implication for future climate projection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 18110-5	11.5	286

277	Evidence for a weakening relationship between interannual temperature variability and northern vegetation activity. <i>Nature Communications</i> , <b>2014</b> , 5, 5018	17.4	274
276	Widespread decline of Congo rainforest greenness in the past decade. <i>Nature</i> , <b>2014</b> , 509, 86-90	50.4	274
275	Evaporative cooling over the Tibetan Plateau induced by vegetation growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 9299-304	11.5	270
274	Persistent effects of a severe drought on Amazonian forest canopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 565-70	11.5	264
273	A review on the theory of photon transport in leaf canopies. <i>Agricultural and Forest Meteorology</i> , <b>1989</b> , 45, 1-153	5.8	263
272	Leaf onset in the northern hemisphere triggered by daytime temperature. <i>Nature Communications</i> , <b>2015</b> , 6, 6911	17.4	261
271	Investigation of a model inversion technique to estimate canopy biophysical variables from spectral and directional reflectance data. <i>Agronomy for Sustainable Development</i> , <b>2000</b> , 20, 3-22		258
270	The interpretation of spectral vegetation indexes. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1995</b> , 33, 481-486	8.1	252
269	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2006</b> , 44, 1885-1898	8.1	245
268	Remote sensing estimates of boreal and temperate forest woody biomass: carbon pools, sources, and sinks. <i>Remote Sensing of Environment</i> , <b>2003</b> , 84, 393-410	13.2	244
267	Amazon forests did not green-up during the 2005 drought. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	237
266	Increased vegetation growth and carbon stock in China karst via ecological engineering. <i>Nature Sustainability</i> , <b>2018</b> , 1, 44-50	22.1	230
265	Changes in satellite-derived spring vegetation green-up date and its linkage to climate in China from 1982 to 2010: a multimethod analysis. <i>Global Change Biology</i> , <b>2013</b> , 19, 881-91	11.4	215
264	Monitoring spring canopy phenology of a deciduous broadleaf forest using MODIS. <i>Remote Sensing of Environment</i> , <b>2006</b> , 104, 88-95	13.2	213
263	A two-fold increase of carbon cycle sensitivity to tropical temperature variations. <i>Nature</i> , <b>2014</b> , 506, 212-5	50.4	210
262	Estimation of vegetation canopy leaf area index and fraction of absorbed photosynthetically active radiation from atmosphere-corrected MISR data. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 32239-32256		208
261	Large-scale variations in the vegetation growing season and annual cycle of atmospheric CO <sub>2</sub> at high northern latitudes from 1950 to 2011. <i>Global Change Biology</i> , <b>2013</b> , 19, 3167-83	11.4	206
260	Vegetation dynamics and rainfall sensitivity of the Amazon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16041-6	11.5	205

259	Coupling of the Common Land Model to the NCAR Community Climate Model. <i>Journal of Climate</i> , <b>2002</b> , 15, 1832-1854	4.4	200
258	The impact of gridding artifacts on the local spatial properties of MODIS data: Implications for validation, compositing, and band-to-band registration across resolutions. <i>Remote Sensing of Environment</i> , <b>2006</b> , 105, 98-114	13.2	199
257	Recent change of vegetation growth trend in China. <i>Environmental Research Letters</i> , <b>2011</b> , 6, 044027	6.2	197
256	Optical remote sensing of vegetation: Modeling, caveats, and algorithms. <i>Remote Sensing of Environment</i> , <b>1995</b> , 51, 169-188	13.2	194
255	Interannual variations in satellite-sensed vegetation index data from 1981 to 1991. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 6145-6160		193
254	Evaluation of the MODIS LAI algorithm at a coniferous forest site in Finland. <i>Remote Sensing of Environment</i> , <b>2004</b> , 91, 114-127	13.2	189
253	Spatial heterogeneity in vegetation canopies and remote sensing of absorbed photosynthetically active radiation: A modeling study. <i>Remote Sensing of Environment</i> , <b>1992</b> , 41, 85-103	13.2	185
252	Climate mitigation from vegetation biophysical feedbacks during the past three decades. <i>Nature Climate Change</i> , <b>2017</b> , 7, 432-436	21.4	181
251	Variability of the Seasonally Integrated Normalized Difference Vegetation Index Across the North Slope of Alaska in the 1990s. <i>International Journal of Remote Sensing</i> , <b>2003</b> , 24, 1111-1117	3.1	176
250	Continental-scale comparisons of terrestrial carbon sinks estimated from satellite data and ecosystem modeling 1982–1998. <i>Global and Planetary Change</i> , <b>2003</b> , 39, 201-213	4.2	172
249	Widespread decline in greenness of Amazonian vegetation due to the 2010 drought. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	171
248	Potential and limitations of information extraction on the terrestrial biosphere from satellite remote sensing. <i>Remote Sensing of Environment</i> , <b>1996</b> , 58, 201-214	13.2	168
247	Global impacts of the 1980s regime shift. <i>Global Change Biology</i> , <b>2016</b> , 22, 682-703	11.4	167
246	An Algorithm to Produce Temporally and Spatially Continuous MODIS-LAI Time Series. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2008</b> , 5, 60-64	4.1	160
245	Changes in growing season duration and productivity of northern vegetation inferred from long-term remote sensing data. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 084001	6.2	154
244	Evaluation of the representativeness of networks of sites for the global validation and intercomparison of land biophysical products: proposition of the CEOS-BELMANIP. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2006</b> , 44, 1794-1803	8.1	150
243	Reduced streamflow in water-stressed climates consistent with CO2 effects on vegetation. <i>Nature Climate Change</i> , <b>2016</b> , 6, 75-78	21.4	146
242	Thresholds for warming-induced growth decline at elevational tree line in the Yukon Territory, Canada. <i>Global Biogeochemical Cycles</i> , <b>2004</b> , 18, n/a-n/a	5.9	145

241	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2003</b> , 55, 751-776	3.3	145
240	Evaluation of MODIS LAI/FPAR Product Collection 6. Part 2: Validation and Intercomparison. <i>Remote Sensing</i> , <b>2016</b> , 8, 460	5	145
239	Multiscale analysis and validation of the MODIS LAI productI. Uncertainty assessment. <i>Remote Sensing of Environment</i> , <b>2002</b> , 83, 414-430	13.2	143
238	Determination of land and ocean reflective, radiative, and biophysical properties using multiangle imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1998</b> , 36, 1266-1281	8.1	142
237	Evaluation of the Utility of Satellite-Based Vegetation Leaf Area Index Data for Climate Simulations. <i>Journal of Climate</i> , <b>2001</b> , 14, 3536-3550	4.4	137
236	Current systematic carbon-cycle observations and the need for implementing a policy-relevant carbon observing system. <i>Biogeosciences</i> , <b>2014</b> , 11, 3547-3602	4.6	136
235	Intercomparison and sensitivity analysis of Leaf Area Index retrievals from LAI-2000, AccuPAR, and digital hemispherical photography over croplands. <i>Agricultural and Forest Meteorology</i> , <b>2008</b> , 148, 1193-1209	5.8	135
234	Precipitation patterns alter growth of temperate vegetation. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	135
233	Air temperature optima of vegetation productivity across global biomes. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 772-779	12.3	128
232	Analysis and optimization of the MODIS leaf area index algorithm retrievals over broadleaf forests. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2005</b> , 43, 1855-1865	8.1	127
231	Analysis of leaf area index products from combination of MODIS Terra and Aqua data. <i>Remote Sensing of Environment</i> , <b>2006</b> , 104, 297-312	13.2	126
230	Effect of orbital drift and sensor changes on the time series of AVHRR vegetation index data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2000</b> , 38, 2584-2597	8.1	123
229	Early spatial and temporal validation of MODIS LAI product in the Southern Africa Kalahari. <i>Remote Sensing of Environment</i> , <b>2002</b> , 83, 232-243	13.2	122
228	Characterization and intercomparison of global moderate resolution leaf area index (LAI) products: Analysis of climatologies and theoretical uncertainties. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2013</b> , 118, 529-548	3.7	120
227	Analysis of leaf area index and fraction of PAR absorbed by vegetation products from the terra MODIS sensor: 2000-2005. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2006</b> , 44, 1829-1842	8.1	120
226	Satellite-based identification of linked vegetation index and sea surface temperature Anomaly areas from 1982-1990 for Africa, Australia and South America. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 729-732	4.9	120
225	Variations in atmospheric CO2 growth rates coupled with tropical temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 13061-6	11.5	119
224	Radiative transfer in vegetation canopies with anisotropic scattering. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>1988</b> , 39, 115-129	2.1	119

223	Drought and spring cooling induced recent decrease in vegetation growth in Inner Asia. <i>Agricultural and Forest Meteorology</i> , <b>2013</b> , 178-179, 21-30	5.8	114
222	Human-induced greening of the northern extratropical land surface. <i>Nature Climate Change</i> , <b>2016</b> , 6, 959-963	21.4	109
221	Weakening temperature control on the interannual variations of spring carbon uptake across northern lands. <i>Nature Climate Change</i> , <b>2017</b> , 7, 359-363	21.4	107
220	Extension of the growing season increases vegetation exposure to frost. <i>Nature Communications</i> , <b>2018</b> , 9, 426	17.4	106
219	Analysis of interannual changes in northern vegetation activity observed in AVHRR data from 1981 to 1994. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2002</b> , 40, 115-130	8.1	106
218	Summer soil drying exacerbated by earlier spring greening of northern vegetation. <i>Science Advances</i> , <b>2020</b> , 6, eaax0255	14.3	106
217	Evaluation of MODIS LAI/FPAR Product Collection 6. Part 1: Consistency and Improvements. <i>Remote Sensing</i> , <b>2016</b> , 8, 359	5	106
216	Inconsistencies of interannual variability and trends in long-term satellite leaf area index products. <i>Global Change Biology</i> , <b>2017</b> , 23, 4133-4146	11.4	105
215	Interannual covariability in Northern Hemisphere air temperatures and greenness associated with El Niño-Southern Oscillation and the Arctic Oscillation. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, n/a-n/a		105
214	Changes in Vegetation Growth Dynamics and Relations with Climate over China's Landmass from 1982 to 2011. <i>Remote Sensing</i> , <b>2014</b> , 6, 3263-3283	5	104
213	The effect of vegetation on surface temperature: A statistical analysis of NDVI and climate data. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	104
212	Changes in vegetation photosynthetic activity trends across the Asia-Pacific region over the last three decades. <i>Remote Sensing of Environment</i> , <b>2014</b> , 144, 28-41	13.2	102
211	Comparison of seasonal and spatial variations of albedos from Moderate-Resolution Imaging Spectroradiometer (MODIS) and Common Land Model. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		100
210	Generating global Leaf Area Index from Landsat: Algorithm formulation and demonstration. <i>Remote Sensing of Environment</i> , <b>2012</b> , 122, 185-202	13.2	98
209	Global Latitudinal-Asymmetric Vegetation Growth Trends and Their Driving Mechanisms: 1982-2009. <i>Remote Sensing</i> , <b>2013</b> , 5, 1484-1497	5	98
208	Canopy spectral invariants for remote sensing and model applications. <i>Remote Sensing of Environment</i> , <b>2007</b> , 106, 106-122	13.2	97
207	Response of vegetation activity dynamic to climatic change and ecological restoration programs in Inner Mongolia from 2000 to 2012. <i>Ecological Engineering</i> , <b>2015</b> , 82, 276-289	3.9	95
206	Recent trends in Inner Asian forest dynamics to temperature and precipitation indicate high sensitivity to climate change. <i>Agricultural and Forest Meteorology</i> , <b>2013</b> , 178-179, 31-45	5.8	92

205	Investigation of product accuracy as a function of input and model uncertainties. <i>Remote Sensing of Environment</i> , <b>2001</b> , 78, 299-313	13.2	92
204	Modeling radiative transfer and photosynthesis in three-dimensional vegetation canopies. <i>Agricultural and Forest Meteorology</i> , <b>1991</b> , 55, 323-344	5.8	92
203	Generating vegetation leaf area index earth system data record from multiple sensors. Part 1: Theory. <i>Remote Sensing of Environment</i> , <b>2008</b> , 112, 4333-4343	13.2	91
202	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. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		90
201	A three-dimensional radiative transfer method for optical remote sensing of vegetated land surfaces. <i>Remote Sensing of Environment</i> , <b>1992</b> , 41, 105-121	13.2	87
200	Has the advancing onset of spring vegetation green-up slowed down or changed abruptly over the last three decades?. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 621-631	6.1	86
199	Global evapotranspiration over the past three decades: estimation based on the water balance equation combined with empirical models. <i>Environmental Research Letters</i> , <b>2012</b> , 7, 014026	6.2	86
198	Nitrogen Controls on Climate Model Evapotranspiration. <i>Journal of Climate</i> , <b>2002</b> , 15, 278-295	4.4	86
197	Atmospheric effects and spectral vegetation indices. <i>Remote Sensing of Environment</i> , <b>1994</b> , 47, 390-402	13.2	85
196	Major disturbance events in terrestrial ecosystems detected using global satellite data sets. <i>Global Change Biology</i> , <b>2003</b> , 9, 1005-1021	11.4	84
195	Prototyping of MODIS LAI and FPAR algorithm with LASUR and LANDSAT data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2000</b> , 38, 2387-2401	8.1	84
194	Radiative transfer based scaling of LAI retrievals from reflectance data of different resolutions. <i>Remote Sensing of Environment</i> , <b>2003</b> , 84, 143-159	13.2	83
193	Satellite-observed pantropical carbon dynamics. <i>Nature Plants</i> , <b>2019</b> , 5, 944-951	11.5	82
192	Effect of foliage spatial heterogeneity in the MODIS LAI and FPAR algorithm over broadleaf forests. <i>Remote Sensing of Environment</i> , <b>2003</b> , 85, 410-423	13.2	80
191	Contrasting responses of autumn-leaf senescence to daytime and night-time warming. <i>Nature Climate Change</i> , <b>2018</b> , 8, 1092-1096	21.4	80
190	Multiscale analysis and validation of the MODIS LAI productII. Sampling strategy. <i>Remote Sensing of Environment</i> , <b>2002</b> , 83, 431-441	13.2	79
189	The Relationship Between the Use of a Worksite Medical Home and ED Visits or Hospitalizations. <i>Inquiry (United States)</i> , <b>2015</b> , 52, 004695801560960	1.4	78
188	Comment on "Drought-induced reduction in global terrestrial net primary production from 2000 through 2009". <i>Science</i> , <b>2011</b> , 333, 1093; author reply 1093	33.3	78



187	Stochastic transport theory for investigating the three-dimensional canopy structure from space measurements. <i>Remote Sensing of Environment</i> , <b>2008</b> , 112, 35-50	13.2	78
186	Sunlight mediated seasonality in canopy structure and photosynthetic activity of Amazonian rainforests. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 064014	6.2	77
185	Radiative transfer in three dimensional leaf canopies. <i>Transport Theory and Statistical Physics</i> , <b>1990</b> , 19, 205-250		77
184	Estimation of forest aboveground biomass in California using canopy height and leaf area index estimated from satellite data. <i>Remote Sensing of Environment</i> , <b>2014</b> , 151, 44-56	13.2	76
183	Evidence for a persistent and extensive greening trend in Eurasia inferred from satellite vegetation index data. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 4-1-ACL 4-14		75
182	The Relation between the North Atlantic Oscillation and SSTs in the North Atlantic Basin. <i>Journal of Climate</i> , <b>2004</b> , 17, 4752-4759	4.4	73
181	The role of canopy structure in the spectral variation of transmission and absorption of solar radiation in vegetation canopies. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2001</b> , 39, 241-253	8.1	73
180	Impact of Earth Greening on the Terrestrial Water Cycle. <i>Journal of Climate</i> , <b>2018</b> , 31, 2633-2650	4.4	72
179	Coupling of ecosystem-scale plant water storage and leaf phenology observed by satellite. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1428-1435	12.3	72
178	Generating vegetation leaf area index Earth system data record from multiple sensors. Part 2: Implementation, analysis and validation. <i>Remote Sensing of Environment</i> , <b>2008</b> , 112, 4318-4332	13.2	72
177	Temperature and Snow-Mediated Moisture Controls of Summer Photosynthetic Activity in Northern Terrestrial Ecosystems between 1982 and 2011. <i>Remote Sensing</i> , <b>2014</b> , 6, 1390-1431	5	71
176	Analysis of a multiyear global vegetation leaf area index data set. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 14-1		70
175	Tropical nighttime warming as a dominant driver of variability in the terrestrial carbon sink. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 15591-6	11.5	69
174	Satellite-indicated long-term vegetation changes and their drivers on the Mongolian Plateau. <i>Landscape Ecology</i> , <b>2015</b> , 30, 1599-1611	4.3	67
173	Land cover mapping in support of LAI and FPAR retrievals from EOS-MODIS and MISR: Classification methods and sensitivities to errors. <i>International Journal of Remote Sensing</i> , <b>2003</b> , 24, 1997-2016	3.1	67
172	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> , <b>2007</b> , 13, 67-77	11.4	65
171	Valuing ecosystem services: A shadow price for net primary production. <i>Ecological Economics</i> , <b>2007</b> , 64, 454-462	5.6	65
170	Lower land-use emissions responsible for increased net land carbon sink during the slow warming period. <i>Nature Geoscience</i> , <b>2018</b> , 11, 739-743	18.3	62

169	Invertibility of a 1-D discrete ordinates canopy reflectance model. <i>Remote Sensing of Environment</i> , <b>1994</b> , 48, 89-105	13.2	61
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16	Solution of an integral equation encountered in studies on radiative transfer in completely absorbing leaf canopies. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>1988</b> , 40, 157-164	2.1	3
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6	Técnicas avançadas de sensoriamento remoto aplicadas ao estudo de mudanças climáticas e ao funcionamento dos ecossistemas amazônicos. <i>Acta Amazonica</i> , <b>2005</b> , 35, 259-272	0.8	1
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