Shunlin Liang

List of Publications by Year
in descending order

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315 papers	21,518 citations	11639 70 h-index	12585 132 g-index
338 all docs	338 docs citations	338 times ranked	12918 citing authors

#	Article	IF	Citations
1	First operational BRDF, albedo nadir reflectance products from MODIS. Remote Sensing of Environment, 2002, 83, 135-148.	4.6	2,022
2	Narrowband to broadband conversions of land surface albedo I. Remote Sensing of Environment, 2001, 76, 213-238.	4.6	990
3	Timeâ€lag effects of global vegetation responses to climate change. Global Change Biology, 2015, 21, 3520-3531.	4.2	672
4	Recent Third Poleâ€™s Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. Bulletin of the American Meteorological Society, 2019, 100, 423-444.	1.7	590
5	Use of General Regression Neural Networks for Generating the GLASS Leaf Area Index Product From Time-Series MODIS Surface Reflectance. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 209-223.	2.7	486
6	A long-term Global LAnd Surface Satellite (GLASS) data-set for environmental studies. International Journal of Digital Earth, 2013, 6, 5-33.	1.6	385
7	The role of satellite remote sensing in climate change studies. Nature Climate Change, 2013, 3, 875-883.	8.1	350
8	The altitudinal dependence of recent rapid warming over the Tibetan Plateau. Climatic Change, 2009, 97, 321-327.	1.7	338
9	Validating MODIS land surface reflectance and albedo products: methods and preliminary results. Remote Sensing of Environment, 2002, 83, 149-162.	4.6	315
10	Long-Time-Series Global Land Surface Satellite Leaf Area Index Product Derived From MODIS and AVHRR Surface Reflectance. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5301-5318.	2.7	297
11	Improving winter wheat yield estimation by assimilation of the leaf area index from Landsat TM and MODIS data into the WOFOST model. Agricultural and Forest Meteorology, 2015, 204, 106-121.	1.9	296
12	Validation of MODIS and CYCLOPES LAI products using global field measurement data. Remote Sensing of Environment, 2012, 119, 43-54.	4.6	291
13	Review on Estimation of Land Surface Radiation and Energy Budgets From Ground Measurement, Remote Sensing and Model Simulations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 225-240.	2.3	277
14	Narrowband to broadband conversions of land surface albedo: II. Validation. Remote Sensing of Environment, 2003, 84, 25-41.	4.6	242
15	Validating MODIS land surface temperature products using long-term nighttime ground measurements. Remote Sensing of Environment, 2008, 112, 623-635.	4.6	241
16	Accuracy assessment of the MODIS 16-day albedo product for snow: comparisons with Greenland in situ measurements. Remote Sensing of Environment, 2005, 94, 46-60.	4.6	228
17	Winter wheat area estimation from MODIS-EVI time series data using the Crop Proportion Phenology Index. Remote Sensing of Environment, 2012, 119, 232-242.	4.6	217
18	Comparison of satellite-based evapotranspiration models over terrestrial ecosystems in China. Remote Sensing of Environment, 2014, 140, 279-293.	4.6	217

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19	Evaluation of ASTER and MODIS land surface temperature and emissivity products using long-term surface longwave radiation observations at SURFRAD sites. Remote Sensing of Environment, 2009, 113, 1556-1565.	4.6	212
20	The Global Land Surface Satellite (GLASS) Product Suite. Bulletin of the American Meteorological Society, 2021, 102, E323-E337.	1.7	203
21	Retrieval of Land Surface Albedo from Satellite Observations: A Simulation Study. Journal of Applied Meteorology and Climatology, 1999, 38, 712-725.	1.7	199
22	MODIS-driven estimation of terrestrial latent heat flux in China based on a modified Priestleyâ€“Taylor algorithm. Agricultural and Forest Meteorology, 2013, 171-172, 187-202.	1.9	193
23	An Improved Land Surface Emissivity Parameter for Land Surface Models Using Global Remote Sensing Observations. Journal of Climate, 2006, 19, 2867-2881.	1.2	192
24	Consistency of MODIS surface bidirectional reflectance distribution function and albedo retrievals: 2. Validation. Journal of Geophysical Research, 2003, 108, .	3.3	177
25	Vegetation dynamics and responses to recent climate change in Xinjiang using leaf area index as an indicator. Ecological Indicators, 2015, 58, 64-76.	2.6	174
26	Annual dynamics of global land cover and its long-term changes from 1982 to 2015. Earth System Science Data, 2020, 12, 1217-1243.	3.7	170
27	Fractional vegetation cover estimation algorithm for Chinese GF-1 wide field view data. Remote Sensing of Environment, 2016, 177, 184-191.	4.6	167
28	An Improved Method for Estimating Global Evapotranspiration Based on Satellite Determination of Surface Net Radiation, Vegetation Index, Temperature, and Soil Moisture. Journal of Hydrometeorology, 2008, 9, 712-727.	0.7	165
29	Estimation of incident photosynthetically active radiation from Moderate Resolution Imaging Spectrometer data. Journal of Geophysical Research, 2006, 111, .	3.3	159
30	Improved estimate of global gross primary production for reproducing its long-term variation, 1982â€“2017. Earth System Science Data, 2020, 12, 2725-2746.	3.7	156
31	A comparison of empirical and neural network approaches for estimating corn and soybean leaf area index from Landsat ETM+ imagery*1. Remote Sensing of Environment, 2004, 92, 465-474.	4.6	150
32	Preliminary evaluation of the long-term GLASS albedo product. International Journal of Digital Earth, 2013, 6, 69-95.	1.6	147
33	Direct-Estimation Algorithm for Mapping Daily Land-Surface Broadband Albedo From MODIS Data. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 907-919.	2.7	147
34	Generating Global LAnd Surface Satellite incident shortwave radiation and photosynthetically active radiation products from multiple satellite data. Remote Sensing of Environment, 2014, 152, 318-332.	4.6	146
35	Bayesian multimodel estimation of global terrestrial latent heat flux from eddy covariance, meteorological, and satellite observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4521-4545.	1.2	146
36	Retrieving leaf area index with a neural network method: simulation and validation. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 2052-2062.	2.7	137

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37	Global Land Surface Fractional Vegetation Cover Estimation Using General Regression Neural Networks From MODIS Surface Reflectance. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4787-4796.	2.7	137
38	Recent developments in estimating land surface biogeophysical variables from optical remote sensing. Progress in Physical Geography, 2007, 31, 501-516.	1.4	131
39	Land Cover Classification of Landsat Data with Phenological Features Extracted from Time Series MODIS NDVI Data. Remote Sensing, 2014, 6, 11518-11532.	1.8	128
40	A practical reanalysis data and thermal infrared remote sensing data merging (RTM) method for reconstruction of a 1-km all-weather land surface temperature. Remote Sensing of Environment, 2021, 260, 112437.	4.6	126
41	Analysis of global land surface albedo climatology and spatialâ€temporal variation during 1981â€“2010 from multiple satellite products. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10,281.	1.2	119
42	Evaluation of the Reanalysis Surface Incident Shortwave Radiation Products from NCEP, ECMWF, GSFC, and JMA Using Satellite and Surface Observations. Remote Sensing, 2016, 8, 225.	1.8	117
43	A statistics-based temporal filter algorithm to map spatiotemporally continuous shortwave albedo from MODIS data. Hydrology and Earth System Sciences, 2013, 17, 2121-2129.	1.9	116
44	Spatially and temporally continuous LAI data sets based on an integrated filtering method: Examples from North America. Remote Sensing of Environment, 2008, 112, 75-93.	4.6	113
45	Analysis of surface incident shortwave radiation from four satellite products. Remote Sensing of Environment, 2015, 165, 186-202.	4.6	111
46	Estimation of high-spatial resolution clear-sky longwave downward and net radiation over land surfaces from MODIS data. Remote Sensing of Environment, 2009, 113, 745-754.	4.6	109
47	Estimating surface solar irradiance from satellites: Past, present, and future perspectives. Remote Sensing of Environment, 2019, 233, 111371.	4.6	109
48	Estimating the Optimal Broadband Emissivity Spectral Range for Calculating Surface Longwave Net Radiation. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 401-405.	1.4	107
49	Remote sensing of earthâ€™s energy budget: synthesis and review. International Journal of Digital Earth, 2019, 12, 737-780.	1.6	105
50	Evidence for decadal variation in global terrestrial evapotranspiration between 1982 and 2002: 1. Model development. Journal of Geophysical Research, 2010, 115, .	3.3	103
51	A direct algorithm for estimating land surface broadband albedos from MODIS imagery. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 136-145.	2.7	99
52	An optimization algorithm for separating land surface temperature and emissivity from multispectral thermal infrared imagery. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 264-274.	2.7	96
53	Mapping daily snow/ice shortwave broadband albedo from Moderate Resolution Imaging Spectroradiometer (MODIS): The improved direct retrieval algorithm and validation with Greenland in situ measurement. Journal of Geophysical Research, 2005, 110, .	3.3	96
54	Real-time retrieval of Leaf Area Index from MODIS time series data. Remote Sensing of Environment, 2011, 115, 97-106.	4.6	96

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55	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. Agricultural and Forest Meteorology, 2017, 242, 55-74.	1.9	96
56	An operational atmospheric correction algorithm for Landsat Thematic Mapper imagery over the land. Journal of Geophysical Research, 1997, 102, 17173-17186.	3.3	95
57	Estimation of monthly-mean daily global solar radiation based on MODIS and TRMM products. Applied Energy, 2011, 88, 2480-2489.	5.1	93
58	A satellite-based hybrid algorithm to determine the Priestleyâ€“Taylor parameter for global terrestrial latent heat flux estimation across multiple biomes. Remote Sensing of Environment, 2015, 165, 216-233.	4.6	92
59	Progress in bidirectional reflectance modeling and applications for surface particulate media: Snow and soils. International Journal of Remote Sensing, 2000, 18, 307-342.	1.1	91
60	Evaluating land surface albedo estimation from Landsat MSS, TM, ETM +, and OLI data based on the unified direct estimation approach. Remote Sensing of Environment, 2018, 204, 181-196.	4.6	91
61	Evaluation of four long time-series global leaf area index products. Agricultural and Forest Meteorology, 2017, 246, 218-230.	1.9	90
62	Development of a hybrid method for estimating land surface shortwave net radiation from MODIS data. Remote Sensing of Environment, 2010, 114, 2393-2402.	4.6	86
63	Observed contrast changes in snow cover phenology in northern middle and high latitudes from 2001â€“2014. Scientific Reports, 2015, 5, 16820.	1.6	86
64	Retrieval of leaf area index using temporal, spectral, and angular information from multiple satellite data. Remote Sensing of Environment, 2014, 145, 25-37.	4.6	83
65	Global atmospheric downward longwave radiation over land surface under allâ€sky conditions from 1973 to 2008. Journal of Geophysical Research, 2009, 114, .	3.3	82
66	Mapping Surface Broadband Albedo from Satellite Observations: A Review of Literatures on Algorithms and Products. Remote Sensing, 2015, 7, 990-1020.	1.8	81
67	Detection and attribution of changes in hydrological cycle over the Three-North region of China: Climate change versus afforestation effect. Agricultural and Forest Meteorology, 2015, 203, 74-87.	1.9	78
68	Observational evidence for impacts of vegetation change on local surface climate over northern China using the Granger causality test. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1-12.	1.3	77
69	Estimating the fraction of absorbed photosynthetically active radiation from the MODIS data based GLASS leaf area index product. Remote Sensing of Environment, 2015, 171, 105-117.	4.6	77
70	Changes in forest biomass and linkage to climate and forest disturbances over Northeastern China. Global Change Biology, 2014, 20, 2596-2606.	4.2	73
71	Improved estimation of aerosol optical depth from MODIS imagery over land surfaces. Remote Sensing of Environment, 2006, 104, 416-425.	4.6	72
72	Estimation of surface albedo and directional reflectance from Moderate Resolution Imaging Spectroradiometer (MODIS) observations. Remote Sensing of Environment, 2012, 119, 286-300.	4.6	71

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73	A Temporally Integrated Inversion Method for Estimating Leaf Area Index From MODIS Data. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2536-2545.	2.7	66
74	Estimation of gross primary production over the terrestrial ecosystems in China. Ecological Modelling, 2013, 261-262, 80-92.	1.2	66
75	The Global Land Surface Satellite (GLASS) Remote Sensing Data Processing System and Products. Remote Sensing, 2013, 5, 2436-2450.	1.8	66
76	Estimating daily average surface air temperature using satellite land surface temperature and top-of-atmosphere radiation products over the Tibetan Plateau. Remote Sensing of Environment, 2019, 234, 111462.	4.6	66
77	Direct estimation of land surface albedo from VIIRS data: Algorithm improvement and preliminary validation. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,577.	1.2	64
78	Spatio-Temporal Patterns and Climate Variables Controlling of Biomass Carbon Stock of Global Grassland Ecosystems from 1982 to 2006. Remote Sensing, 2014, 6, 1783-1802.	1.8	64
79	Forest cover classification using Landsat ETM+ data and time series MODIS NDVI data. International Journal of Applied Earth Observation and Geoinformation, 2014, 33, 32-38.	1.4	61
80	A modified hapke model for soil bidirectional reflectance. Remote Sensing of Environment, 1996, 55, 1-10.	4.6	60
81	Surface-sensible and latent heat fluxes over the Tibetan Plateau from ground measurements, reanalysis, and satellite data. Atmospheric Chemistry and Physics, 2014, 14, 5659-5677.	1.9	60
82	Greenland surface albedo changes in July 1981â€“2012 from satellite observations. Environmental Research Letters, 2013, 8, 044043.	2.2	59
83	An efficient physically based parameterization to derive surface solar irradiance based on satellite atmospheric products. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4975-4988.	1.2	59
84	Estimation of 1-km all-weather remotely sensed land surface temperature based on reconstructed spatial-seamless satellite passive microwave brightness temperature and thermal infrared data. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 321-344.	4.9	59
85	Developing a composite daily snow cover extent record over the Tibetan Plateau from 1981 to 2016 using multisource data. Remote Sensing of Environment, 2018, 215, 284-299.	4.6	58
86	An Evaluation of Eight Machine Learning Regression Algorithms for Forest Aboveground Biomass Estimation from Multiple Satellite Data Products. Remote Sensing, 2020, 12, 4015.	1.8	58
87	Estimating High Spatial Resolution Clear-Sky Land Surface Upwelling Longwave Radiation From MODIS Data. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1559-1570.	2.7	57
88	Assessment of five global satellite products of fraction of absorbed photosynthetically active radiation: Intercomparison and direct validation against ground-based data. Remote Sensing of Environment, 2015, 163, 270-285.	4.6	57
89	A LUT-based approach to estimate surface solar irradiance by combining MODIS and MTSAT data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
90	Improving Predictions of Water and Heat Fluxes by Assimilating MODIS Land Surface Temperature Products into the Common Land Model. Journal of Hydrometeorology, 2011, 12, 227-244.	0.7	56

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91	Impacts of land cover transitions on surface temperature in China based on satellite observations. Environmental Research Letters, 2018, 13, 024010.	2.2	56
92	Large Differences in Terrestrial Vegetation Production Derived from Satellite-Based Light Use Efficiency Models. Remote Sensing, 2014, 6, 8945-8965.	1.8	55
93	Analysis of Global Land Surface Shortwave Broadband Albedo From Multiple Data Sources. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 296-305.	2.3	54
94	Forest Biomass Mapping of Northeastern China Using GLAS and MODIS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 140-152.	2.3	54
95	Comparison of Four Machine Learning Methods for Generating the GLASS Fractional Vegetation Cover Product from MODIS Data. Remote Sensing, 2016, 8, 682.	1.8	54
96	Estimating the Hemispherical Broadband Longwave Emissivity of Global Vegetated Surfaces Using a Radiative Transfer Model. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 905-917.	2.7	54
97	Estimation of clearâ€sky land surface longwave radiation from MODIS data products by merging multiple models. Journal of Geophysical Research, 2012, 117, .	3.3	53
98	Estimating the broadband longwave emissivity of global bare soil from the MODIS shortwave albedo product. Journal of Geophysical Research D: Atmospheres, 2014, 119, 614-634.	1.2	53
99	Assessing the thermal contributions of urban land cover types. Landscape and Urban Planning, 2020, 204, 103927.	3.4	53
100	Mapping incident photosynthetically active radiation from MODIS data over China. Remote Sensing of Environment, 2008, 112, 998-1009.	4.6	52
101	Estimation of Daytime Net Radiation from Shortwave Radiation Measurements and Meteorological Observations. Journal of Applied Meteorology and Climatology, 2009, 48, 634-643.	0.6	52
102	Estimating Surface Downward Shortwave Radiation over China Based on the Gradient Boosting Decision Tree Method. Remote Sensing, 2018, 10, 185.	1.8	52
103	Estimation of Incident Photosynthetically Active Radiation from GOES Visible Imagery. Journal of Applied Meteorology and Climatology, 2008, 47, 853-868.	0.6	51
104	Developing a spatially continuous 1 km surface albedo data set over North America from Terra MODIS products. Journal of Geophysical Research, 2007, 112, .	3.3	50
105	Estimating daily mean land surface albedo from MODIS data. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4825-4841.	1.2	50
106	Comprehensive Assessment of Global Surface Net Radiation Products and Uncertainty Analysis. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1970-1989.	1.2	49
107	Cloudy-sky land surface temperature from VIIRS and MODIS satellite data using a surface energy balance-based method. Remote Sensing of Environment, 2021, 263, 112566.	4.6	49
108	An algorithm for estimating downward shortwave radiation from GMS 5 visible imagery and its evaluation over China. Journal of Geophysical Research, 2010, 115, .	3.3	48

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109	Assessment of Sentinel-2 MSI Spectral Band Reflectances for Estimating Fractional Vegetation Cover. Remote Sensing, 2018, 10, 1927.	1.8	48
110	A New Set of MODIS Land Products (MCD18): Downward Shortwave Radiation and Photosynthetically Active Radiation. Remote Sensing, 2020, 12, 168.	1.8	48
111	Assessment of Three Satellite-Estimated Land Surface Downwelling Shortwave Irradiance Data Sets. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 776-780.	1.4	46
112	Evaluation of ten machine learning methods for estimating terrestrial evapotranspiration from remote sensing. International Journal of Applied Earth Observation and Geoinformation, 2019, 78, 86-92.	1.4	46
113	Estimation of evapotranspiration over the terrestrial ecosystems in China. Ecohydrology, 2014, 7, 139-149.	1.1	45
114	Estimation of high-resolution land surface net shortwave radiation from AVIRIS data: Algorithm development and preliminary results. Remote Sensing of Environment, 2015, 167, 20-30.	4.6	45
115	A Review of Regional and Global Gridded Forest Biomass Datasets. Remote Sensing, 2019, 11, 2744.	1.8	44
116	Estimation of daily-integrated PAR from sparse satellite observations: comparison of temporal scaling methods. International Journal of Remote Sensing, 2010, 31, 1661-1677.	1.3	43
117	Estimating Arctic sea-ice shortwave albedo from MODIS data. Remote Sensing of Environment, 2016, 186, 32-46.	4.6	43
118	A simple temperature domain twoâ€source model for estimating agricultural field surface energy fluxes from Landsat images. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5211-5236.	1.2	43
119	Observed and projected changes in global climate zones based on KÃ¶ppen climate classification. Wiley Interdisciplinary Reviews: Climate Change, 2021, 12, e701.	3.6	43
120	Estimation of Daily Surface Shortwave Net Radiation From the Combined MODIS Data. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5519-5529.	2.7	42
121	Comparison of Radiative Transfer Models for Simulating Snow Surface Thermal Infrared Emissivity. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 323-336.	2.3	41
122	Estimation of the Ocean Water Albedo From Remote Sensing and Meteorological Reanalysis Data. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 850-868.	2.7	41
123	Enhanced wintertime greenhouse effect reinforcing Arctic amplification and initial sea-ice melting. Scientific Reports, 2017, 7, 8462.	1.6	41
124	Estimation of high-resolution terrestrial evapotranspiration from Landsat data using a simple Taylor skill fusion method. Journal of Hydrology, 2017, 553, 508-526.	2.3	41
125	Long-Term Global Land Surface Satellite (GLASS) Fractional Vegetation Cover Product Derived From MODIS and AVHRR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 508-518.	2.3	41
126	An Operational Approach for Generating the Global Land Surface Downward Shortwave Radiation Product From MODIS Data. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4636-4650.	2.7	41

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127	Temperature changes in Three Gorges Reservoir Area and linkage with Three Gorges Project. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4866-4879.	1.2	40
128	Estimating turbulent fluxes through assimilation of geostationary operational environmental satellites data using ensemble Kalman filter. Journal of Geophysical Research, 2011, 116, .	3.3	39
129	Responses of Natural Vegetation to Different Stages of Extreme Drought during 2009â€“2010 in Southwestern China. Remote Sensing, 2015, 7, 14039-14054.	1.8	39
130	Satellite observed changes in the Northern Hemisphere snow cover phenology and the associated radiative forcing and feedback between 1982 and 2013. Environmental Research Letters, 2016, 11, 084002.	2.2	39
131	A Method for Estimating Clear-Sky Instantaneous Land-Surface Longwave Radiation With GOES Sounder and GOES-R ABI Data. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 708-712.	1.4	38
132	Fusion of Satellite Land Surface Albedo Products Across Scales Using a Multiresolution Tree Method in the North Central United States. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3428-3439.	2.7	38
133	Empirical estimation of daytime net radiation from shortwave radiation and ancillary information. Agricultural and Forest Meteorology, 2015, 211-212, 23-36.	1.9	38
134	Estimating clear-sky all-wave net radiation from combined visible and shortwave infrared (VSWIR) and thermal infrared (TIR) remote sensing data. Remote Sensing of Environment, 2015, 167, 31-39.	4.6	38
135	Global Estimates for High-Spatial-Resolution Clear-Sky Land Surface Upwelling Longwave Radiation From MODIS Data. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4115-4129.	2.7	38
136	An efficient hybrid method for estimating clearâ€sky surface downward longwave radiation from MODIS data. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2616-2630.	1.2	38
137	Estimation of all-sky instantaneous surface incident shortwave radiation from Moderate Resolution Imaging Spectroradiometer data using optimization method. Remote Sensing of Environment, 2018, 209, 468-479.	4.6	38
138	Evaluation of satelliteâ€estimated surface longwave radiation using groundâ€based observations. Journal of Geophysical Research, 2010, 115, .	3.3	37
139	Estimating Fractional Vegetation Cover From Landsat-7 ETM+ Reflectance Data Based on a Coupled Radiative Transfer and Crop Growth Model. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5539-5546.	2.7	37
140	Monitoring maize growth conditions by training a BP neural network with remotely sensed vegetation temperature condition index and leaf area index. Computers and Electronics in Agriculture, 2019, 160, 82-90.	3.7	37
141	Monitoring global land surface drought based on a hybrid evapotranspiration model. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 447-457.	1.4	36
142	GLASS Daytime All-Wave Net Radiation Product: Algorithm Development and Preliminary Validation. Remote Sensing, 2016, 8, 222.	1.8	36
143	Consistent estimation of multiple parameters from MODIS top of atmosphere reflectance data using a coupled soil-canopy-atmosphere radiative transfer model. Remote Sensing of Environment, 2016, 184, 40-57.	4.6	36
144	Development of the Adjoint Model of a Canopy Radiative Transfer Model for Sensitivity Study and Inversion of Leaf Area Index. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2028-2037.	2.7	35

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145	Estimating leaf area index from MODIS and surface meteorological data using a dynamic Bayesian network. Remote Sensing of Environment, 2012, 127, 30-43.	4.6	35
146	A Framework for Consistent Estimation of Leaf Area Index, Fraction of Absorbed Photosynthetically Active Radiation, and Surface Albedo from MODIS Time-Series Data. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3178-3197.	2.7	35
147	Estimation of all-sky 1Âkm land surface temperature over the conterminous United States. Remote Sensing of Environment, 2021, 266, 112707.	4.6	35
148	A Weak-Constraint-Based Data Assimilation Scheme for Estimating Surface Turbulent Fluxes. IEEE Geoscience and Remote Sensing Letters, 2007, 4, 649-653.	1.4	34
149	Estimation of net surface shortwave radiation from MODIS data. International Journal of Remote Sensing, 2012, 33, 804-825.	1.3	34
150	Characterizing the surface radiation budget over the Tibetan Plateau with groundâ€measured, reanalysis, and remote sensing data sets: 2. Spatiotemporal analysis. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8921-8934.	1.2	34
151	Validation and Spatiotemporal Analysis of CERES Surface Net Radiation Product. Remote Sensing, 2016, 8, 90.	1.8	34
152	Observed radiative cooling over the Tibetan Plateau for the past three decades driven by snow coverâ€induced surface albedo anomaly. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6170-6185.	1.2	34
153	Mapping High-Resolution Surface Shortwave Net Radiation From Landsat Data. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 459-463.	1.4	33
154	Estimation of fraction of absorbed photosynthetically active radiation from multiple satellite data: Model development and validation. Remote Sensing of Environment, 2016, 184, 539-557.	4.6	33
155	Evaluation of Three Long Time Series for Global Fraction of Absorbed Photosynthetically Active Radiation (FAPAR) Products. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5509-5524.	2.7	33
156	A global long-term (1981â€“2000) land surface temperature product for NOAA AVHRR. Earth System Science Data, 2020, 12, 3247-3268.	3.7	33
157	Characterizing the surface radiation budget over the Tibetan Plateau with groundâ€measured, reanalysis, and remote sensing data sets: 1. Methodology. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9642-9657.	1.2	32
158	Surface Daytime Net Radiation Estimation Using Artificial Neural Networks. Remote Sensing, 2014, 6, 11031-11050.	1.8	32
159	A Robust Algorithm for Estimating Surface Fractional Vegetation Cover from Landsat Data. Remote Sensing, 2017, 9, 857.	1.8	32
160	Estimating Land Surface Temperature from Feng Yun-3C/MERSI Data Using a New Land Surface Emissivity Scheme. Remote Sensing, 2017, 9, 1247.	1.8	32
161	Hierarchical Bayesian space-time estimation of monthly maximum and minimum surface air temperature. Remote Sensing of Environment, 2018, 211, 48-58.	4.6	31
162	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. Geoscientific Model Development, 2021, 14, 4465-4494.	1.3	31

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163	Data Assimilation Methods for Land Surface Variable Estimation. , 2008, , 313-339.		30
164	Comprehensive assessment of parameterization methods for estimating clear-sky surface downward longwave radiation. Theoretical and Applied Climatology, 2019, 135, 1045-1058.	1.3	30
165	Trans-Arctic shipping routes expanding faster than the model projections. Global Environmental Change, 2022, 73, 102488.	3.6	30
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