

Rui Sun

List of Publications by Year in descending order

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179
papers

8,943
citations

57681

46
h-index

53065

89
g-index

182
all docs

182
docs citations

182
times ranked

8511
citing authors

#	ARTICLE	IF	CITATIONS
1	Global simulations of carbon allocation coefficients for deciduous vegetation types. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 67, 28016.	0.8	20
2	Estimation and Spatiotemporal Variation Analysis of Net Primary Productivity in the Upper Luanhe River Basin in China From 2001 to 2017 Combining With a Downscaling Method. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 353-363.	2.3	3
3	Retrieval of the Leaf Area Index from Visible Infrared Imaging Radiometer Suite (VIIRS) Surface Reflectance Based on Unsupervised Domain Adaptation. <i>Remote Sensing</i> , 2022, 14, 1826.	1.8	3
4	Spatiotemporal Dynamics of Net Primary Productivity in China's Urban Lands during 1982-2015. <i>Remote Sensing</i> , 2021, 13, 400.	1.8	10
5	The Global Land Surface Satellite (GLASS) Product Suite. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E323-E337.	1.7	203
6	Estimating Global Gross Primary Production from Sun-Induced Chlorophyll Fluorescence Data and Auxiliary Information Using Machine Learning Methods. <i>Remote Sensing</i> , 2021, 13, 963.	1.8	17
7	Comparison of Machine Learning Methods to Up-Scale Gross Primary Production. <i>Remote Sensing</i> , 2021, 13, 2448.	1.8	17
8	New Global MuSyQ GPP/NPP Remote Sensing Products From 1981 to 2018. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 5596-5612.	2.3	29
9	Spatial Representativeness of Gross Primary Productivity from Carbon Flux Sites in the Heihe River Basin, China. <i>Remote Sensing</i> , 2021, 13, 5016.	1.8	2
10	Simulating spatially distributed solar-induced chlorophyll fluorescence using a BEPS-SCOPE coupling framework. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108169.	1.9	13
11	A Model-Downscaling Method for Fine-Resolution LAI Estimation. <i>Remote Sensing</i> , 2020, 12, 4147.	1.8	3
12	Evaluation and Comparison of Light Use Efficiency and Gross Primary Productivity Using Three Different Approaches. <i>Remote Sensing</i> , 2020, 12, 1003.	1.8	26
13	Improved estimate of global gross primary production for reproducing its long-term variation, 1982-2017. <i>Earth System Science Data</i> , 2020, 12, 2725-2746.	3.7	156
14	Vegetation Optical Depth Retrieval from AMSR-E/AMSR2 Observations Using L-MEB Inversion. , 2020, , .		0
15	Estimation of Global Net Primary Productivity from 1981 to 2018 with Remote Sensing Data. , 2020, , .		1
16	Retrieval of Horizontal Visibility Using MODIS Data: A Deep Learning Approach. <i>Atmosphere</i> , 2019, 10, 740.	1.0	1
17	An assessment of air-quality monitoring station locations based on satellite observations. <i>International Journal of Remote Sensing</i> , 2018, 39, 6463-6478.	1.3	10
18	A disaggregation approach for estimating high spatial resolution broadband emissivity for bare soils from Landsat surface reflectance. <i>International Journal of Digital Earth</i> , 2018, 11, 691-702.	1.6	3

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19	Designing the Climate Observing System of the Future. <i>Earth's Future</i> , 2018, 6, 80-102.	2.4	24
20	Generation of High Resolution Vegetation Productivity from a Downscaling Method. <i>Remote Sensing</i> , 2018, 10, 1748.	1.8	13
21	Recent Progress in Quantitative Land Remote Sensing in China. <i>Remote Sensing</i> , 2018, 10, 1490.	1.8	4
22	Estimation of Global Vegetation Productivity from Global LAnd Surface Satellite Data. <i>Remote Sensing</i> , 2018, 10, 327.	1.8	58
23	Evaluation of Three Long Time Series for Global Fraction of Absorbed Photosynthetically Active Radiation (FAPAR) Products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 5509-5524.	2.7	33
24	Estimation of Forest Canopy Height and Aboveground Biomass from Spaceborne LiDAR and Landsat Imageries in Maryland. <i>Remote Sensing</i> , 2018, 10, 344.	1.8	35
25	Spatio-Temporal Analysis and Uncertainty of Fractional Vegetation Cover Change over Northern China during 2001â€“2012 Based on Multiple Vegetation Data Sets. <i>Remote Sensing</i> , 2018, 10, 549.	1.8	26
26	Developing an Integrated Remote Sensing Based Biodiversity Index for Predicting Animal Species Richness. <i>Remote Sensing</i> , 2018, 10, 739.	1.8	11
27	Fractional vegetation cover estimation based on soil and vegetation lines in a corn-dominated area. <i>Geocarto International</i> , 2017, 32, 531-540.	1.7	6
28	Direct Estimation of Land Surface Albedo From Simultaneous MISR Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 2605-2617.	2.7	13
29	Estimating Top-of-Atmosphere Daily Reflected Shortwave Radiation Flux Over Land From MODIS Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4022-4031.	2.7	15
30	A simple temperature domain twoâ€“source model for estimating agricultural field surface energy fluxes from Landsat images. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5211-5236.	1.2	43
31	Simultaneous Estimation of Leaf Area Index, Fraction of Absorbed Photosynthetically Active Radiation, and Surface Albedo From Multiple-Satellite Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4334-4354.	2.7	14
32	Temperature changes in Three Gorges Reservoir Area and linkage with Three Gorges Project. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4866-4879.	1.2	40
33	A New Method for Retrieving Daily Land Surface Albedo From VIIRS Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1765-1775.	2.7	14
34	A Framework for Estimating the 30Âµm Thermalâ€“Infrared Broadband Emissivity From Landsat Surface Reflectance Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,405.	1.2	10
35	Estimating Fractional Vegetation Cover From Landsat-7 ETM+ Reflectance Data Based on a Coupled Radiative Transfer and Crop Growth Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5539-5546.	2.7	37
36	Reconstruction of Long-Term Temporally Continuous NDVI and Surface Reflectance From AVHRR Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 5551-5568.	2.3	28

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37	Observed radiative cooling over the Tibetan Plateau for the past three decades driven by snow cover-induced surface albedo anomaly. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6170-6185.	1.2	34
38	Extended Data-Based Mechanistic Method for Improving Leaf Area Index Time Series Estimation with Satellite Data. <i>Remote Sensing</i> , 2017, 9, 533.	1.8	11
39	A Lookup Table-Based Method for Estimating Sea Surface Hemispherical Broadband Emissivity Values (8°–13.5°N). <i>Remote Sensing</i> , 2017, 9, 245.	1.8	9
40	Estimating Diurnal Courses of Gross Primary Production for Maize: A Comparison of Sun-Induced Chlorophyll Fluorescence, Light-Use Efficiency and Process-Based Models. <i>Remote Sensing</i> , 2017, 9, 1267.	1.8	15
41	Assessment of Wetland Ecosystem Health in the Yangtze and Amazon River Basins. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 81.	1.4	44
42	Analyzing the Relationship between Solar-induced Chlorophyll Fluorescence and Gross Primary Production using Remotely Sensed Data and Model Simulation. <i>International Journal of Earth & Environmental Sciences</i> , 2017, 2, .	0.2	6
43	Comparison of Four Machine Learning Methods for Generating the GLASS Fractional Vegetation Cover Product from MODIS Data. <i>Remote Sensing</i> , 2016, 8, 682.	1.8	54
44	Estimating the Fractional Vegetation Cover from GLASS Leaf Area Index Product. <i>Remote Sensing</i> , 2016, 8, 337.	1.8	37
45	Validation and Spatiotemporal Analysis of CERES Surface Net Radiation Product. <i>Remote Sensing</i> , 2016, 8, 90.	1.8	34
46	GLASS Daytime All-Wave Net Radiation Product: Algorithm Development and Preliminary Validation. <i>Remote Sensing</i> , 2016, 8, 222.	1.8	36
47	Retrieval of Leaf Area Index (LAI) and Fraction of Absorbed Photosynthetically Active Radiation (FAPAR) from VIIRS Time-Series Data. <i>Remote Sensing</i> , 2016, 8, 351.	1.8	23
48	Investigation of Atmospheric Effects on Retrieval of Sun-Induced Fluorescence Using Hyperspectral Imagery. <i>Sensors</i> , 2016, 16, 480.	2.1	8
49	Estimating Vegetation Primary Production in the Heihe River Basin of China with Multi-Source and Multi-Scale Data. <i>PLoS ONE</i> , 2016, 11, e0153971.	1.1	39
50	Uncertainty analysis of terrestrial net primary productivity and net biome productivity in China during 1901–2005. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1372-1393.	1.3	35
51	Distribution, attribution, and radiative forcing of snow cover changes over China from 1982 to 2013. <i>Climatic Change</i> , 2016, 137, 363-377.	1.7	21
52	Integrating ASTER and GLASS broadband emissivity products using a multi-resolution Kalman filter. <i>International Journal of Digital Earth</i> , 2016, 9, 1098-1116.	1.6	14
53	Long-Time-Series Global Land Surface Satellite Leaf Area Index Product Derived From MODIS and AVHRR Surface Reflectance. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 5301-5318.	2.7	297
54	Estimating the Hemispherical Broadband Longwave Emissivity of Global Vegetated Surfaces Using a Radiative Transfer Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 905-917.	2.7	54

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55	Global Estimates for High-Spatial-Resolution Clear-Sky Land Surface Upwelling Longwave Radiation From MODIS Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 4115-4129.	2.7	38
56	Evaluation of Four Reanalysis Surface Albedo Data Sets in Arctic Using a Satellite Product. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, , 1-5.	1.4	8
57	PMODTRAN: a parallel implementation based on MODTRAN for massive remote sensing data processing. <i>International Journal of Digital Earth</i> , 2016, 9, 819-834.	1.6	21
58	Local Adaptive Calibration of the Satellite-Derived Surface Incident Shortwave Radiation Product Using Smoothing Spline. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 1156-1169.	2.7	13
59	An Empirical Orthogonal Function-Based Algorithm for Estimating Terrestrial Latent Heat Flux from Eddy Covariance, Meteorological and Satellite Observations. <i>PLoS ONE</i> , 2016, 11, e0160150.	1.1	16
60	An efficient physically based parameterization to derive surface solar irradiance based on satellite atmospheric products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4975-4988.	1.2	59
61	Observed contrast changes in snow cover phenology in northern middle and high latitudes from 2001â€“2014. <i>Scientific Reports</i> , 2015, 5, 16820.	1.6	86
62	Estimating daily mean land surface albedo from MODIS data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4825-4841.	1.2	50
63	An Integrated Method Combining Remote Sensing Data and Local Knowledge for the Large-Scale Estimation of Seismic Loss Risks to Buildings in the Context of Rapid Socioeconomic Growth: A Case Study in Tangshan, China. <i>Remote Sensing</i> , 2015, 7, 2543-2601.	1.8	25
64	Reconstruction of Satellite-Retrieved Land-Surface Reflectance Based on Temporally-Continuous Vegetation Indices. <i>Remote Sensing</i> , 2015, 7, 9844-9864.	1.8	25
65	Responses of Natural Vegetation to Different Stages of Extreme Drought during 2009â€“2010 in Southwestern China. <i>Remote Sensing</i> , 2015, 7, 14039-14054.	1.8	39
66	Validity of Five Satellite-Based Latent Heat Flux Algorithms for Semi-arid Ecosystems. <i>Remote Sensing</i> , 2015, 7, 16733-16755.	1.8	19
67	A Framework for Consistent Estimation of Leaf Area Index, Fraction of Absorbed Photosynthetically Active Radiation, and Surface Albedo from MODIS Time-Series Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 3178-3197.	2.7	35
68	Assessment of five global satellite products of fraction of absorbed photosynthetically active radiation: Intercomparison and direct validation against ground-based data. <i>Remote Sensing of Environment</i> , 2015, 163, 270-285.	4.6	57
69	Global Land Surface Fractional Vegetation Cover Estimation Using General Regression Neural Networks From MODIS Surface Reflectance. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 4787-4796.	2.7	137
70	Timeâ€“lag effects of global vegetation responses to climate change. <i>Global Change Biology</i> , 2015, 21, 3520-3531.	4.2	672
71	A Study of Shelterbelt Transpiration and Cropland Evapotranspiration in an Irrigated Area in the Middle Reaches of the Heihe River in Northwestern China. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 369-373.	1.4	25
72	Diurnal and Seasonal Variations in Carbon Dioxide Exchange in Ecosystems in the Zhangye Oasis Area, Northwest China. <i>PLoS ONE</i> , 2015, 10, e0120660.	1.1	11

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73	Estimation of evapotranspiration over the terrestrial ecosystems in China. <i>Ecohydrology</i> , 2014, 7, 139-149.	1.1	45
74	Use of General Regression Neural Networks for Generating the GLASS Leaf Area Index Product From Time-Series MODIS Surface Reflectance. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 209-223.	2.7	486
75	Characterization of locations and extents of afforestation from the Grain for Green Project in China. <i>Remote Sensing Letters</i> , 2014, 5, 221-229.	0.6	42
76	Forest Biomass Mapping of Northeastern China Using GLAS and MODIS Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014, 7, 140-152.	2.3	54
77	Differentiating moss from higher plants is critical in studying the carbon cycle of the boreal biome. <i>Nature Communications</i> , 2014, 5, 4270.	5.8	42
78	Direct-Estimation Algorithm for Mapping Daily Land-Surface Broadband Albedo From MODIS Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 907-919.	2.7	147
79	Changes of net primary productivity in China during recent 11 years detected using an ecological model driven by MODIS data. <i>Frontiers of Earth Science</i> , 2013, 7, 112-127.	0.9	64
80	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> , 2013, 118, 529-548.	1.3	149
81	Estimating downward surface shortwave radiation using MTSAT-1R and ground measurements data by Bayesian maximum entropy method. , 2013, , .		0
82	A long-term Global Land Surface Satellite (GLASS) data-set for environmental studies. <i>International Journal of Digital Earth</i> , 2013, 6, 5-33.	1.6	385
83	Improving a Penman-Monteith evapotranspiration model by incorporating soil moisture control on soil evaporation in semiarid areas. <i>International Journal of Digital Earth</i> , 2013, 6, 134-156.	1.6	38
84	Variational retrieval of leaf area index from MODIS time series data: examples from the Heihe river basin, north-west China. <i>International Journal of Remote Sensing</i> , 2012, 33, 730-745.	1.3	11
85	Satellite detection of increases in global land surface evapotranspiration during 1984-2007. <i>International Journal of Digital Earth</i> , 2012, 5, 299-318.	1.6	19
86	Investigating the impacts of the North Atlantic Oscillation on global vegetation changes by a remotely sensed vegetation index. <i>International Journal of Remote Sensing</i> , 2012, 33, 7222-7239.	1.3	8
87	Bidirectional Reflectance for Multiple Snow-Covered Land Types From MISR Products. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2012, 9, 994-998.	1.4	5
88	Observational evidence of the cooling effect of agricultural irrigation in Jilin, China. <i>Climatic Change</i> , 2012, 114, 799-811.	1.7	27
89	Estimating time-series leaf area index based on recurrent nonlinear autoregressive neural networks with exogenous inputs. <i>International Journal of Remote Sensing</i> , 2012, 33, 5712-5731.	1.3	17
90	Estimation of net surface shortwave radiation from MODIS data. <i>International Journal of Remote Sensing</i> , 2012, 33, 804-825.	1.3	34

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91	Estimation of clear-sky land surface longwave radiation from MODIS data products by merging multiple models. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	53
92	Retrieval of aerosol optical depth over bright land surfaces by coupling bidirectional reflectance distribution function model and aerosol retrieval model. <i>Remote Sensing Letters</i> , 2012, 3, 577-584.	0.6	7
93	Global Atmospheric Evaporative Demand over Land from 1973 to 2008. <i>Journal of Climate</i> , 2012, 25, 8353-8361.	1.2	82
94	Simultaneous determination of aerosol optical thickness and surface reflectance using ASTER visible to near-infrared data over land. <i>International Journal of Remote Sensing</i> , 2011, 32, 6961-6974.	1.3	6
95	Integration of MODIS LAI and vegetation index products with the CSM's "CERES" Maize model for corn yield estimation. <i>International Journal of Remote Sensing</i> , 2011, 32, 1039-1065.	1.3	209
96	A Bayesian approach to integrate satellite-estimated instantaneous photosynthetically active radiation product for daily value calculation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	4
97	Estimating turbulent fluxes through assimilation of geostationary operational environmental satellites data using ensemble Kalman filter. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	39
98	Evaluation of surface albedo from GEWEX-SRB and ISCCP-FD data against validated MODIS product over the Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	19
99	A LUT-based approach to estimate surface solar irradiance by combining MODIS and MTSAT data. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	56
100	Mapping Daily Evapotranspiration Over a Mediterranean Vineyard Watershed. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 168-172.	1.4	39
101	Snow BRDF characteristics from MODIS and MISR data. , 2011, , .		1
102	Prototyping GOES-R albedo algorithm based on modis data. , 2011, , .		2
103	Improving Predictions of Water and Heat Fluxes by Assimilating MODIS Land Surface Temperature Products into the Common Land Model. <i>Journal of Hydrometeorology</i> , 2011, 12, 227-244.	0.7	56
104	Retrieving crop leaf area index by assimilation of MODIS data into a crop growth model. <i>Science China Earth Sciences</i> , 2010, 53, 721-730.	2.3	25
105	Comparison of Radiative Transfer Models for Simulating Snow Surface Thermal Infrared Emissivity. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2010, 3, 323-336.	2.3	41
106	Investigation on the Patterns of Global Vegetation Change Using a Satellite-Sensed Vegetation Index. <i>Remote Sensing</i> , 2010, 2, 1530-1548.	1.8	15
107	Monitoring Drought over the Conterminous United States Using MODIS and NCEP Reanalysis-2 Data. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 1665-1680.	0.6	64
108	Estimation of daily-integrated PAR from sparse satellite observations: comparison of temporal scaling methods. <i>International Journal of Remote Sensing</i> , 2010, 31, 1661-1677.	1.3	43

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109	Using multiresolution tree to integrate MODIS and MISR-L3 LAI products. , 2010, , .		9
110	Evaluation of Moderate Resolution Imaging Spectroradiometer land surface visible and shortwave albedo products at FLUXNET sites. Journal of Geophysical Research, 2010, 115, .	3.3	42
111	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
112	Evaluation of satellite-estimated surface longwave radiation using ground-based observations. Journal of Geophysical Research, 2010, 115, .	3.3	37
113	Evidence for decadal variation in global terrestrial evapotranspiration between 1982 and 2002: 1. Model development. Journal of Geophysical Research, 2010, 115, .	3.3	103
114	Evidence for decadal variation in global terrestrial evapotranspiration between 1982 and 2002: 2. Results. Journal of Geophysical Research, 2010, 115, .	3.3	97
115	Research on the spatial distribution of potential crop biomass energy based on remote sensing and GIS: A case study in Henan province, China. , 2009, , .		0
116	Scale transformation of Leaf Area Index product retrieved from multiresolution remotely sensed data: analysis and case studies. International Journal of Remote Sensing, 2009, 30, 5383-5395.	1.3	14
117	Urban expansion analysis of the Huang-Huai-Hai Plain region by DMSP/OLS nighttime light data. , 2009, , .		0
118	Use of an ensemble Kalman filter for real-time inversion of leaf area index from MODIS time series data. , 2009, , .		3
119	Validation of Solar Radiation Surfaces from MODIS and Reanalysis Data over Topographically Complex Terrain. Journal of Applied Meteorology and Climatology, 2009, 48, 2441-2458.	0.6	43
120	Clear Sky Visibility Has Decreased over Land Globally from 1973 to 2007. Science, 2009, 323, 1468-1470.	6.0	297
121	Validation of surface radiation data provided by the CERES over the Tibetan Plateau. , 2009, , .		0
122	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
123	Global atmospheric downward longwave radiation over land surface under all-sky conditions from 1973 to 2008. Journal of Geophysical Research, 2009, 114, .	3.3	82
124	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
125	Simultaneous estimation of both soil moisture and model parameters using particle filtering method through the assimilation of microwave signal. Journal of Geophysical Research, 2009, 114, .	3.3	119
126	The altitudinal dependence of recent rapid warming over the Tibetan Plateau. Climatic Change, 2009, 97, 321-327.	1.7	338

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127	Improvement of dark object method in atmospheric correction of hyperspectral remotely sensed data. Science in China Series D: Earth Sciences, 2008, 51, 349-356.	0.9	13
128	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
129	Crop LAI Retrieval from MODIS Bidirectional Reflectance Observations using the Particle Filter Algorithm and a Crop Growth Model. , 2008, , .		0
130	Retrieval of Leaf Area Index by Coupling Radiative Transfer Model and a Dynamic Model. , 2008, , .		1
131	Estimation of Incident Photosynthetically Active Radiation from GOES Visible Imagery. Journal of Applied Meteorology and Climatology, 2008, 47, 853-868.	0.6	51
132	Observational evidence on the effects of clouds and aerosols on net ecosystem exchange and evapotranspiration. Geophysical Research Letters, 2008, 35, .	1.5	49
133	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
134	Estimation of Surface Net Radiation from Solar Shortwave Radiation Measurements. , 2008, , .		2
135	Corn yield estimation through assimilation of remotely sensed data into the CSM-CERES-Maize model. International Journal of Remote Sensing, 2008, 29, 3011-3032.	1.3	199
136	Simultaneous estimation of surface photosynthetically active radiation and albedo from GOES. , 2008, , .		1
137	An improved method for estimating global evapotranspiration based on satellite determination of surface net radiation, vegetation index, temperature, and soil moisture. , 2008, , .		5
138	Singular Spectrum Analysis for Filling Gaps and Reducing Uncertainties of MODIS Land Products. , 2008, , .		5
139	The Bidirectional Reflectance Signature of Typical Land Surfaces and Comparison of MISR and MODIS BRDF Products. , 2008, , .		2
140	A new method based on remote sensing observations and data assimilation for estimation of evapotranspiration over field crops. New Zealand Journal of Agricultural Research, 2007, 50, 997-1004.	0.9	1
141	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
142	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
143	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
144	Continuous tree distribution in China: A comparison of two estimates from Moderate-Resolution Imaging Spectroradiometer and Landsat data. Journal of Geophysical Research, 2006, 111, .	3.3	14

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145	Estimation of incident photosynthetically active radiation from Moderate Resolution Imaging Spectrometer data. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	159
146	Application of ensemble kalman filter to geophysical parameters retrieval in remote sensing: A case study of kernel-driven BRDF model inversion. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 632-640.	0.9	8
147	Evaluation of three complementary relationship approaches for evapotranspiration over the Yellow River basin. <i>Hydrological Processes</i> , 2006, 20, 2347-2361.	1.1	38
148	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. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	96
149	An Improved Atmospheric Correction Algorithm for Hyperspectral Remotely Sensed Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2004, 1, 112-117.	1.4	35
150	Estimation and validation of land surface broadband albedos and leaf area index from eo-1 ali data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003, 41, 1260-1267.	2.7	24
151	Consistency of MODIS surface bidirectional reflectance distribution function and albedo retrievals: 1. Algorithm performance. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	121
152	Consistency of MODIS surface bidirectional reflectance distribution function and albedo retrievals: 2. Validation. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	177
153	Atmospheric correction of Landsat ETM+ land surface imagery. II. Validation and applications. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002, 40, 2736-2746.	2.7	90
154	Validating MODIS land surface reflectance and albedo products: methods and preliminary results. <i>Remote Sensing of Environment</i> , 2002, 83, 149-162.	4.6	315
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