

Kun Jia

List of Publications by Year in descending order

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116
papers

3,813
citations

136950

32
h-index

144013

57
g-index

119
all docs

119
docs citations

119
times ranked

3325
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstructing Missing Information of Remote Sensing Data Contaminated by Large and Thick Clouds Based on an Improved Multitemporal Dictionary Learning Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	5
2	Assessment of surface downward longwave radiation in CMIP6 with comparison to observations and CMIP5. <i>Atmospheric Research</i> , 2022, 270, 106056.	4.1	12
3	High-spatiotemporal resolution mapping of spatiotemporally continuous atmospheric CO ₂ concentrations over the global continent. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 108, 102743.	2.8	4
4	Improving leaf area index estimation accuracy of wheat by involving leaf chlorophyll content information. <i>Computers and Electronics in Agriculture</i> , 2022, 196, 106902.	7.7	10
5	Estimation of the All-Wave All-Sky Land Surface Daily Net Radiation at Mid-Low Latitudes from MODIS Data Based on ERA5 Constraints. <i>Remote Sensing</i> , 2022, 14, 33.	4.0	6
6	Smartphone Digital Photography for Fractional Vegetation Cover Estimation. <i>Photogrammetric Engineering and Remote Sensing</i> , 2022, 88, 303-310.	0.6	5
7	The Global Land Surface Satellite (GLASS) evapotranspiration product Version 5.0: Algorithm development and preliminary validation. <i>Journal of Hydrology</i> , 2022, 610, 127990.	5.4	12
8	A global long-term ocean surface daily/0.05° net radiation product from 1983 to 2020. <i>Scientific Data</i> , 2022, 9, .	5.3	4
9	Quantification of the urbanization impacts on solar dimming and brightening over China. <i>Environmental Research Letters</i> , 2022, 17, 084001.	5.2	4
10	A novel TIR-derived three-source energy balance model for estimating daily latent heat flux in mainland China using an all-weather land surface temperature product. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109066.	4.8	9
11	Spatial distribution characteristics of the COVID-19 pandemic in Beijing and its relationship with environmental factors. <i>Science of the Total Environment</i> , 2021, 761, 144257.	8.0	71
12	Trends and Variability of Atmospheric Downward Longwave Radiation Over China From 1958 to 2015. <i>Earth and Space Science</i> , 2021, 8, e2020EA001370.	2.6	10
13	A Novel NIR-Red Spectral Domain Evapotranspiration Model From the Chinese GF-1 Satellite: Application to the Huailai Agricultural Region of China. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 4105-4119.	6.3	10
14	Fractional Vegetation Cover Estimation Algorithm Based on Recurrent Neural Network for MODIS 250 m Reflectance Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 6532-6543.	4.9	6
15	Spatiotemporal Distribution of Zika Virus and Its Spatially Heterogeneous Relationship with the Environment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 290.	2.6	12
16	The Global Land Surface Satellite (GLASS) Product Suite. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E323-E337.	3.3	203
17	Simplified Priestley-Taylor Model to Estimate Land-Surface Latent Heat of Evapotranspiration from Incident Shortwave Radiation, Satellite Vegetation Index, and Air Relative Humidity. <i>Remote Sensing</i> , 2021, 13, 902.	4.0	5
18	Extensive Evaluation of a Continental-Scale High-Resolution Hydrological Model Using Remote Sensing and Ground-Based Observations. <i>Remote Sensing</i> , 2021, 13, 1247.	4.0	10

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19	Spatio-temporal changes of ecological vulnerability across the Qinghai-Tibetan Plateau. <i>Ecological Indicators</i> , 2021, 123, 107274.	6.3	112
20	Fractional Vegetation Cover Estimation Algorithm for FY-3B Reflectance Data Based on Random Forest Regression Method. <i>Remote Sensing</i> , 2021, 13, 2165.	4.0	10
21	Improving the spatiotemporal fusion accuracy of fractional vegetation cover in agricultural regions by combining vegetation growth models. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 101, 102362.	2.8	11
22	DNN-MET: A deep neural networks method to integrate satellite-derived evapotranspiration products, eddy covariance observations and ancillary information. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108582.	4.8	17
23	A framework for regional ecosystem authenticity evaluation—a case study on the Qinghai-Tibet Plateau of China. <i>Global Ecology and Conservation</i> , 2021, 31, e01849.	2.1	3
24	A New Empirical Estimation Scheme for Daily Net Radiation at the Ocean Surface. <i>Remote Sensing</i> , 2021, 13, 4170.	4.0	3
25	Evaluation of Surface Upward Longwave Radiation in the CMIP6 Models with Ground and Satellite Observations. <i>Remote Sensing</i> , 2021, 13, 4464.	4.0	3
26	Fractional vegetation cover estimation in heterogeneous areas by combining a radiative transfer model and a dynamic vegetation model. <i>International Journal of Digital Earth</i> , 2020, 13, 487-503.	3.9	8
27	Direct Estimation of Forest Leaf Area Index based on Spectrally Corrected Airborne LiDAR Pulse Penetration Ratio. <i>Remote Sensing</i> , 2020, 12, 217.	4.0	9
28	A Time-Efficient Fractional Vegetation Cover Estimation Method Using the Dynamic Vegetation Growth Information From Time Series GLASS FVC Product. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 1672-1676.	3.1	14
29	Estimation of High-Resolution Global Monthly Ocean Latent Heat Flux from MODIS SST Product and AMSR-E Data. <i>Advances in Meteorology</i> , 2020, 2020, 1-19.	1.6	3
30	Leaf Area Index Estimation Algorithm for GF-5 Hyperspectral Data Based on Different Feature Selection and Machine Learning Methods. <i>Remote Sensing</i> , 2020, 12, 2110.	4.0	41
31	A Robust Method for Generating High-Spatiotemporal-Resolution Surface Reflectance by Fusing MODIS and Landsat Data. <i>Remote Sensing</i> , 2020, 12, 2312.	4.0	8
32	Generating spatiotemporally consistent fractional vegetation cover at different scales using spatiotemporal fusion and multiresolution tree methods. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 167, 214-229.	11.1	19
33	Discrepancies in the Simulated Global Terrestrial Latent Heat Flux from GLASS and MERRA-2 Surface Net Radiation Products. <i>Remote Sensing</i> , 2020, 12, 2763.	4.0	9
34	ANN-Based Estimation of Low-Latitude Monthly Ocean Latent Heat Flux by Ensemble Satellite and Reanalysis Products. <i>Sensors</i> , 2020, 20, 4773.	3.8	4
35	Estimating Surface Downward Longwave Radiation Using Machine Learning Methods. <i>Atmosphere</i> , 2020, 11, 1147.	2.3	14
36	A New Long-Term Downward Surface Solar Radiation Dataset over China from 1958 to 2015. <i>Sensors</i> , 2020, 20, 6167.	3.8	11

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37	Estimation of Daily Terrestrial Latent Heat Flux with High Spatial Resolution from MODIS and Chinese GF-1 Data. <i>Sensors</i> , 2020, 20, 2811.	3.8	10
38	Fusion of Five Satellite-Derived Products Using Extremely Randomized Trees to Estimate Terrestrial Latent Heat Flux over Europe. <i>Remote Sensing</i> , 2020, 12, 687.	4.0	24
39	Estimation of Surface Downward Shortwave Radiation over China from Himawari-8 AHI Data Based on Random Forest. <i>Remote Sensing</i> , 2020, 12, 181.	4.0	26
40	Contributors of the second edition. , 2020, , ix-xiii.		0
41	Evaluation of Downward Shortwave Radiation Estimations Over Tropical Ocean Surface Based on Bayesian Model Averaging Method. , 2020, , .		2
42	Long-Term Global Land Surface Satellite (GLASS) Fractional Vegetation Cover Product Derived From MODIS and AVHRR Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 508-518.	4.9	41
43	Evaluation of Bayesian Multimodel Estimation in Surface Incident Shortwave Radiation Simulation over High Latitude Areas. <i>Remote Sensing</i> , 2019, 11, 1776.	4.0	6
44	Long-Term Spatiotemporal Dynamics of Terrestrial Biophysical Variables in the Three-River Headwaters Region of China from Satellite and Meteorological Datasets. <i>Remote Sensing</i> , 2019, 11, 1633.	4.0	9
45	Generating High Spatio-Temporal Resolution Fractional Vegetation Cover by Fusing GF-1 WFV and MODIS Data. <i>Remote Sensing</i> , 2019, 11, 2324.	4.0	25
46	Validation of the Surface Daytime Net Radiation Product From Version 4.0 GLASS Product Suite. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 509-513.	3.1	19
47	Spatiotemporal Comparison and Validation of Three Global-Scale Fractional Vegetation Cover Products. <i>Remote Sensing</i> , 2019, 11, 2524.	4.0	20
48	Assessing the Remotely Sensed Evaporative Drought Index for Drought Monitoring over Northeast China. <i>Remote Sensing</i> , 2019, 11, 1960.	4.0	8
49	Integrating Latent Heat Flux Products from MODIS and Landsat Data Using Multi-Resolution Kalman Filter Method in the Midstream of Heihe River Basin of Northwest China. <i>Remote Sensing</i> , 2019, 11, 1787.	4.0	2
50	Evaluation of a satellite-derived model parameterized by three soil moisture constraints to estimate terrestrial latent heat flux in the Heihe River basin of Northwest China. <i>Science of the Total Environment</i> , 2019, 695, 133787.	8.0	17
51	Land use and land cover classification using Chinese GF-2 multispectral data in a region of the North China Plain. <i>Frontiers of Earth Science</i> , 2019, 13, 327-335.	2.1	11
52	An Operational Approach for Generating the Global Land Surface Downward Shortwave Radiation Product From MODIS Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 4636-4650.	6.3	41
53	Merging the MODIS and Landsat Terrestrial Latent Heat Flux Products Using the Multiresolution Tree Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 2811-2823.	6.3	11
54	Estimation of surface downward shortwave radiation over China from AVHRR data based on four machine learning methods. <i>Solar Energy</i> , 2019, 177, 32-46.	6.1	39

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55	Global Fractional Vegetation Cover Estimation Algorithm for VIIRS Reflectance Data Based on Machine Learning Methods. <i>Remote Sensing</i> , 2018, 10, 1648.	4.0	20
56	Assessment of Sentinel-2 MSI Spectral Band Reflectances for Estimating Fractional Vegetation Cover. <i>Remote Sensing</i> , 2018, 10, 1927.	4.0	48
57	Satellite Detection of Water Stress Effects on Terrestrial Latent Heat Flux With MODIS Shortwave Infrared Reflectance Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 11,410.	3.3	10
58	Estimating Surface Downward Shortwave Radiation over China Based on the Gradient Boosting Decision Tree Method. <i>Remote Sensing</i> , 2018, 10, 185.	4.0	52
59	Spatio-Temporal Analysis and Uncertainty of Fractional Vegetation Cover Change over Northern China during 2001–2012 Based on Multiple Vegetation Data Sets. <i>Remote Sensing</i> , 2018, 10, 549.	4.0	26
60	Validation of Global LAnd Surface Satellite (GLASS) fractional vegetation cover product from MODIS data in an agricultural region. <i>Remote Sensing Letters</i> , 2018, 9, 847-856.	1.4	32
61	Land-cover classification using multi-temporal GF-1 wide field view data. <i>International Journal of Remote Sensing</i> , 2018, 39, 6914-6930.	2.9	3
62	Fractional vegetation cover estimation based on soil and vegetation lines in a corn-dominated area. <i>Geocarto International</i> , 2017, 32, 531-540.	3.5	6
63	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. <i>Agricultural and Forest Meteorology</i> , 2017, 242, 55-74.	4.8	96
64	A simple temperature domain two-source model for estimating agricultural field surface energy fluxes from Landsat images. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5211-5236.	3.3	43
65	Estimation of high-resolution terrestrial evapotranspiration from Landsat data using a simple Taylor skill fusion method. <i>Journal of Hydrology</i> , 2017, 553, 508-526.	5.4	41
66	Spatial and decadal variations in satellite-based terrestrial evapotranspiration and drought over Inner Mongolia Autonomous Region of China during 1982–2009. <i>Journal of Earth System Science</i> , 2017, 126, 1.	1.3	4
67	Cross-Comparative Analysis of GF-1 Wide Field View and Landsat-7 Enhanced Thematic Mapper Plus Data. <i>Journal of Applied Spectroscopy</i> , 2017, 84, 829-836.	0.7	6
68	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.	6.3	37
69	Differences in estimating terrestrial water flux from three satellite-based Priestley-Taylor algorithms. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 56, 1-12.	2.8	21
70	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.	4.9	28
71	A Robust Algorithm for Estimating Surface Fractional Vegetation Cover from Landsat Data. <i>Remote Sensing</i> , 2017, 9, 857.	4.0	32
72	Satellite-Derived Spatiotemporal Variations in Evapotranspiration over Northeast China during 1982–2010. <i>Remote Sensing</i> , 2017, 9, 1140.	4.0	14

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73	MODIS-Based Estimation of Terrestrial Latent Heat Flux over North America Using Three Machine Learning Algorithms. <i>Remote Sensing</i> , 2017, 9, 1326.	4.0	21
74	Leaf Area Index Estimation Using Chinese GF-1 Wide Field View Data in an Agriculture Region. <i>Sensors</i> , 2017, 17, 1593.	3.8	9
75	Combining Estimation of Green Vegetation Fraction in an Arid Region from Landsat 7 ETM+ Data. <i>Remote Sensing</i> , 2017, 9, 1121.	4.0	23
76	Comparison of Four Machine Learning Methods for Generating the GLASS Fractional Vegetation Cover Product from MODIS Data. <i>Remote Sensing</i> , 2016, 8, 682.	4.0	54
77	GLASS Daytime All-Wave Net Radiation Product: Algorithm Development and Preliminary Validation. <i>Remote Sensing</i> , 2016, 8, 222.	4.0	36
78	Identifying crown areas in an undulating area planted with eucalyptus using unmanned aerial vehicle near-infrared imagery. <i>Remote Sensing Letters</i> , 2016, 7, 561-570.	1.4	7
79	Multi-scale object-based measurement of arid plant community structure. <i>International Journal of Remote Sensing</i> , 2016, 37, 2168-2179.	2.9	2
80	Fractional Vegetation Cover Estimation Method Through Dynamic Bayesian Network Combining Radiative Transfer Model and Crop Growth Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 7442-7450.	6.3	23
81	Satellite evidence for no change in terrestrial latent heat flux in the Three-River Headwaters region of China over the past three decades. <i>Journal of Earth System Science</i> , 2016, 125, 1245-1253.	1.3	1
82	Assessment and simulation of global terrestrial latent heat flux by synthesis of CMIP5 climate models and surface eddy covariance observations. <i>Agricultural and Forest Meteorology</i> , 2016, 223, 151-167.	4.8	25
83	Fractional vegetation cover estimation algorithm for Chinese GF-1 wide field view data. <i>Remote Sensing of Environment</i> , 2016, 177, 184-191.	11.0	167
84	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.	2.5	16
85	Optimization of Causative Factors for Landslide Susceptibility Evaluation Using Remote Sensing and GIS Data in Parts of Niigata, Japan. <i>PLoS ONE</i> , 2015, 10, e0133262.	2.5	167
86	Height Extraction of Maize Using Airborne Full-Waveform LIDAR Data and a Deconvolution Algorithm. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1978-1982.	3.1	28
87	Detection and attribution of changes in hydrological cycle over the Three-North region of China: Climate change versus afforestation effect. <i>Agricultural and Forest Meteorology</i> , 2015, 203, 74-87.	4.8	78
88	Empirical estimation of daytime net radiation from shortwave radiation and ancillary information. <i>Agricultural and Forest Meteorology</i> , 2015, 211-212, 23-36.	4.8	38
89	A satellite-based hybrid algorithm to determine the Priestley-Taylor parameter for global terrestrial latent heat flux estimation across multiple biomes. <i>Remote Sensing of Environment</i> , 2015, 165, 216-233.	11.0	92
90	Multi-temporal remote sensing data applied in automatic land cover update using iterative training sample selection and Markov Random Field model. <i>Geocarto International</i> , 2015, 30, 882-893.	3.5	8

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91	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.	6.3	137
92	Quantification of Cannabinoid Content in Cannabis. <i>Journal of Applied Spectroscopy</i> , 2015, 82, 628-633.	0.7	1
93	Evaluation of three satellite-based latent heat flux algorithms over forest ecosystems using eddy covariance data. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 382.	2.7	5
94	Winter wheat biomass estimation using high temporal and spatial resolution satellite data combined with a light use efficiency model. <i>Geocarto International</i> , 2015, 30, 258-269.	3.5	11
95	Fractional Forest Cover Changes in Northeast China From 1982 to 2011 and Its Relationship With Climatic Variations. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 775-783.	4.9	18
96	Impacts of Deforestation and Climate Variability on Terrestrial Evapotranspiration in Subarctic China. <i>Forests</i> , 2014, 5, 2542-2560.	2.1	8
97	Validation and Application of the Modified Satellite-Based Priestley-Taylor Algorithm for Mapping Terrestrial Evapotranspiration. <i>Remote Sensing</i> , 2014, 6, 880-904.	4.0	29
98	Evaluation of Spatiotemporal Variations of Global Fractional Vegetation Cover Based on GIMMS NDVI Data from 1982 to 2011. <i>Remote Sensing</i> , 2014, 6, 4217-4239.	4.0	125
99	Land Cover Classification of Landsat Data with Phenological Features Extracted from Time Series MODIS NDVI Data. <i>Remote Sensing</i> , 2014, 6, 11518-11532.	4.0	128
100	Spatial and Decadal Variations in Potential Evapotranspiration of China Based on Reanalysis Datasets during 1982-2010. <i>Atmosphere</i> , 2014, 5, 737-754.	2.3	33
101	Crop type identification by integration of high-spatial resolution multispectral data with features extracted from coarse-resolution time-series vegetation index data. <i>International Journal of Remote Sensing</i> , 2014, 35, 6076-6088.	2.9	22
102	Land cover classification using Landsat 8 Operational Land Imager data in Beijing, China. <i>Geocarto International</i> , 2014, 29, 941-951.	3.5	161
103	Automatic land-cover update approach integrating iterative training sample selection and a Markov Random Field model. <i>Remote Sensing Letters</i> , 2014, 5, 148-156.	1.4	29
104	Multi-scale segmentation approach for object-based land-cover classification using high-resolution imagery. <i>Remote Sensing Letters</i> , 2014, 5, 73-82.	1.4	31
105	Estimation of the terrestrial water budget over northern China by merging multiple datasets. <i>Journal of Hydrology</i> , 2014, 519, 50-68.	5.4	26
106	Forest cover classification using Landsat ETM+ data and time series MODIS NDVI data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 33, 32-38.	2.8	61
107	Land cover classification of finer resolution remote sensing data integrating temporal features from time series coarser resolution data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014, 93, 49-55.	11.1	100
108	Bayesian multimodel estimation of global terrestrial latent heat flux from eddy covariance, meteorological, and satellite observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4521-4545.	3.3	146

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109	MODIS-driven estimation of terrestrial latent heat flux in China based on a modified Priestley-Taylor algorithm. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 187-202.	4.8	193
110	Crop classification using HJ satellite multispectral data in the North China Plain. <i>Journal of Applied Remote Sensing</i> , 2013, 7, 073576.	1.3	48
111	Crop classification using multi-configuration SAR data in the North China Plain. <i>International Journal of Remote Sensing</i> , 2012, 33, 170-183.	2.9	75
112	Vegetation classification method with biochemical composition estimated from remote sensing data. <i>International Journal of Remote Sensing</i> , 2011, 32, 9307-9325.	2.9	40
113	Spectral Discrimination of Opium Poppy Using Field Spectrometry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 3414-3422.	6.3	16
114	An effective biophysical indicator for opium yield estimation. <i>Computers and Electronics in Agriculture</i> , 2011, 75, 272-277.	7.7	9
115	Maize acreage estimation using ENVISAT MERIS and CBERS-02B CCD data in the North China Plain. <i>Computers and Electronics in Agriculture</i> , 2011, 78, 208-214.	7.7	19
116	Opium poppy monitoring with remote sensing in North Myanmar. <i>International Journal of Drug Policy</i> , 2011, 22, 278-284.	3.3	16