Hankui K Zhang

List of Publications by Year
in descending order

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45 papers	2,403 citations	201674 27 h-index	243625 44 g-index
47 all docs	47 docs citations	47 times ranked	2889 citing authors

#	Article	IF	Citations
1	Analysis Ready Data: Enabling Analysis of the Landsat Archive. Remote Sensing, 2018, 10, 1363.	4.0	247
2	Characterization of Sentinel-2A and Landsat-8 top of atmosphere, surface, and nadir BRDF adjusted reflectance and NDVI differences. Remote Sensing of Environment, 2018, 215, 482-494.	11.0	225
3	Using the 500 m MODIS land cover product to derive a consistent continental scale 30 m Landsat land cover classification. Remote Sensing of Environment, 2017, 197, 15-34.	11.0	191
4	Landsat-8 and Sentinel-2 burned area mapping - A combined sensor multi-temporal change detection approach. Remote Sensing of Environment, 2019, 231, 111254.	11.0	155
5	Cloud and cloud shadow detection in Landsat imagery based on deep convolutional neural networks. Remote Sensing of Environment, 2019, 225, 307-316.	11.0	135
6	Separability Analysis of Sentinel-2A Multi-Spectral Instrument (MSI) Data for Burned Area Discrimination. Remote Sensing, 2016, 8, 873.	4.0	117
7	Examination of Sentinel-2A multi-spectral instrument (MSI) reflectance anisotropy and the suitability of a general method to normalize MSI reflectance to nadir BRDF adjusted reflectance. Remote Sensing of Environment, 2017, 199, 25-38.	11.0	113
8	An Automated Approach for Sub-Pixel Registration of Landsat-8 Operational Land Imager (OLI) and Sentinel-2 Multi Spectral Instrument (MSI) Imagery. Remote Sensing, 2016, 8, 520.	4.0	95
9	Unified fusion of remote-sensing imagery: generating simultaneously high-resolution synthetic spatialâ€“temporalâ€“spectral earth observations. Remote Sensing Letters, 2013, 4, 561-569.	1.4	85
10	Landsat 5 Thematic Mapper reflectance and NDVI 27-year time series inconsistencies due to satellite orbit change. Remote Sensing of Environment, 2016, 186, 217-233.	11.0	72
11	Spatio-temporal reflectance fusion via unmixing: accounting for both phenological and land-cover changes. International Journal of Remote Sensing, 2014, 35, 6213-6233.	2.9	65
12	A New Look at Image Fusion Methods from a Bayesian Perspective. Remote Sensing, 2015, 7, 6828-6861.	4.0	58
13	A generalization of spatial and temporal fusion methods for remotely sensed surface parameters. International Journal of Remote Sensing, 2015, 36, 4411-4445.	2.9	56
14	Best practices for the reprojection and resampling of Sentinel-2 Multi Spectral Instrument Level 1C data. Remote Sensing Letters, 2016, 7, 1023-1032.	1.4	55
15	Evaluation of Sentinel-2A Surface Reflectance Derived Using Sen2Cor in North America. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1997-2021.	4.9	48
16	An extended PROSPECT: Advance in the leaf optical properties model separating total chlorophylls into chlorophyll a and b. Scientific Reports, 2017, 7, 6429.	3.3	43
17	Adjustment of Sentinel-2 Multi-Spectral Instrument (MSI) Red-Edge Band Reflectance to Nadir BRDF Adjusted Reflectance (NBAR) and Quantification of Red-Edge Band BRDF Effects. Remote Sensing, 2017, 9, 1325.	4.0	42
18	Spatio-spectral fusion of satellite images based on dictionary-pair learning. Information Fusion, 2014, 18, 148-160.	19.1	37

#	Article	IF	Citations
19	Landsat 4, 5 and 7 (1982 to 2017) Analysis Ready Data (ARD) Observation Coverage over the Conterminous United States and Implications for Terrestrial Monitoring. Remote Sensing, 2019, 11, 447.	4.0	37
20	Optimal Solar Geometry Definition for Global Long-Term Landsat Time-Series Bidirectional Reflectance Normalization. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1410-1418.	6.3	35
21	Evaluation of Landsat-8 and Sentinel-2A Aerosol Optical Depth Retrievals across Chinese Cities and Implications for Medium Spatial Resolution Urban Aerosol Monitoring. Remote Sensing, 2019, 11, 122.	4.0	35
22	Demonstration of Percent Tree Cover Mapping Using Landsat Analysis Ready Data (ARD) and Sensitivity with Respect to Landsat ARD Processing Level. Remote Sensing, 2018, 10, 209.	4.0	34
23	Deep Convolutional Neural Network for Mapping Smallholder Agriculture Using High Spatial Resolution Satellite Image. Sensors, 2019, 19, 2398.	3.8	33
24	Reconstructing Seasonal Variation of Landsat Vegetation Index Related to Leaf Area Index by Fusing with MODIS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 950-960.	4.9	31
25	Computationally Inexpensive Landsat 8 Operational Land Imager (OLI) Pansharpening. Remote Sensing, 2016, 8, 180.	4.0	31
26	Himawari-8 Aerosol Optical Depth (AOD) Retrieval Using a Deep Neural Network Trained Using AERONET Observations. Remote Sensing, 2020, 12, 4125.	4.0	31
27	Influence of landscape features on urban land surface temperature: Scale and neighborhood effects. Science of the Total Environment, 2021, 771, 145381.	8.0	28
28	Landsat 15-m Panchromatic-Assisted Downscaling (LPAD) of the 30-m Reflective Wavelength Bands to Sentinel-2 20-m Resolution. Remote Sensing, 2017, 9, 755.	4.0	27
29	Support Vector Regression-Based Downscaling for Intercalibration of Multiresolution Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1114-1123.	6.3	25
30	Improving Landsat ETM+ Urban Area Mapping via Spatial and Angular Fusion With MISR Multi-Angle Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 101-109.	4.9	22
31	A conterminous United States analysis of the impact of Landsat 5 orbit drift on the temporal consistency of Landsat 5 Thematic Mapper data. Remote Sensing of Environment, 2020, 240, 111701.	11.0	21
32	Conterminous United States Landsat-8 top of atmosphere and surface reflectance tasseled cap transformation coefficients. Remote Sensing of Environment, 2022, 274, 112992.	11.0	19
33	Revealing Implicit Assumptions of the Component Substitution Pansharpening Methods. Remote Sensing, 2017, 9, 443.	4.0	17
34	Sentinel-2A Image Fusion Using a Machine Learning Approach. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9589-9601.	6.3	17
35	Sharpening the Sentinel-2 10 and 20 m Bands to Planetscope-0 3 m Resolution. Remote Sensing, 2020, 12, 2406.	4.0	13
36	Evaluation of the Multi-Angle Implementation of Atmospheric Correction (MAIAC) Aerosol Algorithm for Himawari-8 Data. Remote Sensing, 2019, 11, 2771.	4.0	12

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37	Making Landsat 5, 7 and 8 reflectance consistent using MODIS nadir-BRDF adjusted reflectance as reference. Remote Sensing of Environment, 2021, 262, 112517.	11.0	12
38	10Âm crop type mapping using Sentinel-2 reflectance and 30Âm cropland data layer product. International Journal of Applied Earth Observation and Geoinformation, 2022, 107, 102692.	2.8	12
39	The incidence and magnitude of the hot-spot bidirectional reflectance distribution function (BRDF) signature in GOES-16 Advanced Baseline Imager (ABI) 10 and 15 minute reflectance over north America. Remote Sensing of Environment, 2021, 265, 112638.	11.0	9
40	MODIS ocean color product downscaling via spatio-temporal fusion and regression: The case of chlorophyll-a in coastal waters. International Journal of Applied Earth Observation and Geoinformation, 2018, 73, 340-361.	2.8	8
41	A Deep-Neural-Network-Based Aerosol Optical Depth (AOD) Retrieval from Landsat-8 Top of Atmosphere Data. Remote Sensing, 2022, 14, 1411.	4.0	8
42	Investigation of Sentinel-2 Bidirectional Reflectance Hot-Spot Sensing Conditions. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3591-3598.	6.3	6
43	Intermodality models in pan-sharpening: analysis based on remote sensing physics. International Journal of Remote Sensing, 2014, 35, 515-531.	2.9	5
44	Scale conversion of multi sensor remote sensing image using single frame super resolution technology. , 2011, , .		4
45	Correction to â€œOptimal Solar Geometry Definition for Global Long-Term Landsat Time-Series Bidirectional Reflectance Normalizationâ€•[Mar 16 1410-1418]. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3624-3624.	6.3	1