Huanfeng Shen

List of Publications by Year
in descending order

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262 papers	15,467 citations	17429 63 h-index	19169 118 g-index
262 all docs	262 docs citations	262 times ranked	8915 citing authors

#	Article	IF	Citations
1	SARF: A Simple, Adjustable, and Robust Fusion Method. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	5
2	Satellite Video Super-Resolution via Multiscale Deformable Convolution Alignment and Temporal Grouping Projection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	2.7	55
3	A Locally Weighted Neural Network Constrained by Global Training for Remote Sensing Estimation of PMâ‚‚.â‚…. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	9
4	A New Downscaling-Calibration Procedure for TRMM Precipitation Data Over Yangtze River Economic Belt Region Based on a Multivariate Adaptive Regression Spline Model. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	2.7	4
5	Double Low-Rank Matrix Decomposition for Hyperspectral Image Denoising and Destriping. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	2.7	22
6	A Combined Loss-Based Multiscale Fully Convolutional Network for High-Resolution Remote Sensing Image Change Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	54
7	Spectral Response Function-Guided Deep Optimization-Driven Network for Spectral Super-Resolution. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4213-4227.	7.2	40
8	Block Adjustment-Based Radiometric Normalization by Considering Global and Local Differences. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	20
9	Deep-Learning-Based Super-Resolution of Video Satellite Imagery by the Coupling of Multiframe and Single-Frame Models. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	4
10	One-Step High-Quality NDVI Time-Series Reconstruction by Joint Modeling of Gradual Vegetation Change and Negatively Biased Atmospheric Contamination. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	3
11	Coupling Dual Graph Convolution Network and Residual Network for Local Climate Zone Mapping. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1221-1234.	2.3	6
12	Low-Resolution Fully Polarimetric SAR and High-Resolution Single-Polarization SAR Image Fusion Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	5
13	Multivehicle Object Tracking in Satellite Video Enhanced by Slow Features and Motion Features. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-26.	2.7	9
14	Performance comparison of Fengyun-4A and Himawari-8 in PM2.5 estimation in China. Atmospheric Environment, 2022, 271, 118898.	1.9	6
15	Comparison of big-leaf and two-leaf light use efficiency models for GPP simulation after considering a radiation scalar. Agricultural and Forest Meteorology, 2022, 313, 108761.	1.9	19
16	FDFNet: A Fusion Network for Generating High-Resolution Fully PolSAR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	0
17	Multispectral and SAR Image Fusion Based on Laplacian Pyramid and Sparse Representation. Remote Sensing, 2022, 14, 870.	1.8	11
18	Fusing Landsat 8 and Sentinel-2 data for 10-m dense time-series imagery using a degradation-term constrained deep network. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102738.	1.4	5

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19	Cloud and cloud shadow detection for optical satellite imagery: Features, algorithms, validation, and prospects. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 188, 89-108.	4.9	39
20	A two-step deep learning framework for mapping gapless all-weather land surface temperature using thermal infrared and passive microwave data. Remote Sensing of Environment, 2022, 277, 113070.	4.6	24
21	Generating gapless land surface temperature with a high spatio-temporal resolution by fusing multi-source satellite-observed and model-simulated data. Remote Sensing of Environment, 2022, 278, 113083.	4.6	24
22	The Spatio-Temporal Reconstruction of Lake Water Levels Using Deep Learning Models: A Case Study on Altai Mountains. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4919-4940.	2.3	2
23	An Enhanced Geographically and Temporally Weighted Neural Network for Remote Sensing Estimation of Surface Ozone. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	2
24	Deep-Learning-Based Spatio-Temporal-Spectral Integrated Fusion of Heterogeneous Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	5
25	Coupling Model- and Data-Driven Methods for Remote Sensing Image Restoration and Fusion: Improving physical interpretability. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 231-249.	4.9	15
26	STAR NDSI collection: a cloud-free MODIS NDSI dataset (2001â€“2020) for China. Earth System Science Data, 2022, 14, 3137-3156.	3.7	7
27	A Large-Scale Benchmark Data Set for Evaluating Pansharpening Performance: Overview and Implementation. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 18-52.	4.9	92
28	SAR Image Despeckling Employing a Recursive Deep CNN Prior. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 273-286.	2.7	45
29	A scattering law based cirrus correction method for Landsat 8 OLI visible and near-infrared images. Remote Sensing of Environment, 2021, 253, 112202.	4.6	7
30	Hourly PM_{2.5} Concentration Monitoring With Spatiotemporal Continuity by the Fusion of Satellite and Station Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8019-8032.	2.3	6
31	ESPFNet: An Edge-Aware Spatial Pyramid Fusion Network for Salient Shadow Detection in Aerial Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4633-4646.	2.3	16
32	Remote Sensing Image Classification Using Deepâ€“Shallow Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3070-3083.	2.3	8
33	Generating Comparable and Fine-Scale Time Series of Summer Land Surface Temperature for Thermal Environment Monitoring. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2136-2147.	2.3	12
34	Region-by-Region Registration Combining Feature-Based and Optical Flow Methods for Remote Sensing Images. Remote Sensing, 2021, 13, 1475.	1.8	13
35	A modified two-leaf light use efficiency model for improving the simulation of GPP using a radiation scalar. Agricultural and Forest Meteorology, 2021, 307, 108546.	1.9	33
36	Spatially Continuous and High-Resolution Land Surface Temperature Product Generation: A review of reconstruction and spatiotemporal fusion techniques. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 112-137.	4.9	61

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37	Quantifying 3D building form effects on urban land surface temperature and modeling seasonal correlation patterns. Building and Environment, 2021, 204, 108132.	3.0	59
38	Long time-series NDVI reconstruction in cloud-prone regions via spatio-temporal tensor completion. Remote Sensing of Environment, 2021, 264, 112632.	4.6	60
39	Time series remote sensing image classification framework using combination of deep learning and multiple classifiers system. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102477.	1.4	15
40	Advances and Opportunities in Remote Sensing Image Geometric Registration: A systematic review of state-of-the-art approaches and future research directions. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 120-142.	4.9	48
41	A Deep Learning-Based Heterogeneous Spatio-Temporal-Spectral Fusion: SAR and Optical Images. , 2021, , .		3
42	Opposite Spatiotemporal Patterns for Surface Urban Heat Island of Two â€œStove Citiesâ€•in China: Wuhan and Nanchang. Remote Sensing, 2021, 13, 4447.	1.8	8
43	Simulating the Response of the Surface Urban Heat Environment to Land Use and Land Cover Changes: A Case Study of Wuhan, China. Remote Sensing, 2021, 13, 4495.	1.8	5
44	Enhancement of vertical cloud-induced radiative heating in East Asian monsoon circulation derived from CloudSat-CALIPSO observations. International Journal of Remote Sensing, 2020, 41, 595-614.	1.3	0
45	Estimating surface soil moisture from satellite observations using a generalized regression neural network trained on sparse ground-based measurements in the continental U.S. Journal of Hydrology, 2020, 580, 124351.	2.3	61
46	Land-cover classification with high-resolution remote sensing images using transferable deep models. Remote Sensing of Environment, 2020, 237, 111322.	4.6	465
47	A tale of two cities: different urban heat mitigation efficacy with the same strategies. Theoretical and Applied Climatology, 2020, 142, 1625-1640.	1.3	6
48	Deeply supervised convolutional neural network for shadow detection based on a novel aerial shadow imagery dataset. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 443-457.	4.9	43
49	Geographically and temporally weighted neural networks for satellite-based mapping of ground-level PM2.5. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 178-188.	4.9	55
50	Can Terrestrial Restoration Methodologies be Transferred to Planetary Hyperspectral Imagery? A Quantitative Intercomparison and Discussion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5759-5775.	2.3	1
51	Spatiotemporal Fusion With Only Two Remote Sensing Images as Input. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6206-6219.	2.3	11
52	The Effects of Fireworks Discharge on Atmospheric PM2.5 Concentration in the Chinese Lunar New Year. International Journal of Environmental Research and Public Health, 2020, 17, 9333.	1.2	18
53	Mapping PM2.5 concentration at a sub-km level resolution: A dual-scale retrieval approach. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 165, 140-151.	4.9	27
54	Thick cloud and cloud shadow removal in multitemporal imagery using progressively spatio-temporal patch group deep learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 162, 148-160.	4.9	92

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55	A Spatialâ€“Spectral Adaptive Haze Removal Method for Visible Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6168-6180.	2.7	19
56	Deep learning in environmental remote sensing: Achievements and challenges. Remote Sensing of Environment, 2020, 241, 111716.	4.6	744
57	Deep learning-based air temperature mapping by fusing remote sensing, station, simulation and socioeconomic data. Remote Sensing of Environment, 2020, 240, 111692.	4.6	95
58	An Urban Water Extraction Method Combining Deep Learning and Google Earth Engine. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 769-782.	2.3	89
59	Generating High-Quality and High-Resolution Seamless Satellite Imagery for Large-Scale Urban Regions. Remote Sensing, 2020, 12, 81.	1.8	14
60	A residual convolutional neural network for polarimetric SAR image super-resolution. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 161, 90-108.	4.9	41
61	A differential information residual convolutional neural network for pansharpening. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 163, 257-271.	4.9	43
62	Estimating snow depth by combining satellite data and ground-based observations over Alaska: A deep learning approach. Journal of Hydrology, 2020, 585, 124828.	2.3	25
63	A Validation Approach Considering the Uneven Distribution of Ground Stations for Satellite-Based PM_{2.5} Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1312-1321.	2.3	38
64	Investigating multiple aerosol optical depth products from MODIS and VIIRS over Asia: Evaluation, comparison, and merging. Atmospheric Environment, 2020, 230, 117548.	1.9	20
65	Monitoring Three-Decade Expansion of Chinaâ€™s Major Cities Based on Satellite Remote Sensing Images. Remote Sensing, 2020, 12, 491.	1.8	11
66	Combined the Data-Driven with Model-Driven Stragegy: A Novel Framework for Mixed Noise Removal in Hyperspectral Image. , 2020, , .		1
67	Lunar Hyperspectral Image Destriping Method Using Low-Rank Matrix Recovery and Guided Profile. , 2020, , .		0
68	Review of the pansharpening methods for remote sensing images based on the idea of meta-analysis: Practical discussion and challenges. Information Fusion, 2019, 46, 102-113.	11.7	214
69	Hybrid Noise Removal in Hyperspectral Imagery With a Spatialâ€“Spectral Gradient Network. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7317-7329.	2.7	117
70	Antinoise Hyperspectral Image Fusion by Mining Tensor Low-Multilinear-Rank and Variational Properties. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7832-7848.	2.7	15
71	Remote sensing data quality model: from data sources to lifecycle phases. International Journal of Image and Data Fusion, 2019, 10, 280-299.	0.8	17
72	Spatialâ€“Spectral Fusion by Combining Deep Learning and Variational Model. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6169-6181.	2.7	60

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73	Monitoring the Variation of Vegetation Water Content with Machine Learning Methods: Pointâ€“Surface Fusion of MODIS Products and GNSS-IR Observations. Remote Sensing, 2019, 11, 1440.	1.8	27
74	Shadow removal based on separated illumination correction for urban aerial remote sensing images. Signal Processing, 2019, 165, 197-208.	2.1	28
75	A Two-Stage Fusion Framework to Generate a Spatioâ€“Temporally Continuous MODIS NDSI Product over the Tibetan Plateau. Remote Sensing, 2019, 11, 2261.	1.8	17
76	Thick Cloud Removal in High-Resolution Satellite Images Using Stepwise Radiometric Adjustment and Residual Correction. Remote Sensing, 2019, 11, 1925.	1.8	35
77	Integration of Remote Sensing and Social Sensing Data in a Deep Learning Framework for Hourly Urban PM2.5 Mapping. International Journal of Environmental Research and Public Health, 2019, 16, 4102.	1.2	9
78	Efficacy of Possible Strategies to Mitigate the Urban Heat Island Based on Urbanized High-Resolution Land Data Assimilation System (u-HRLDAS). Journal of the Meteorological Society of Japan, 2019, 97, 1075-1097.	0.7	11
79	Urban Expansion Trajectories in Chinaâ€™s 36 Major Cities. , 2019, , .		1
80	Large-scale MODIS AOD products recovery: Spatial-temporal hybrid fusion considering aerosol variation mitigation. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 157, 1-12.	4.9	44
81	Missing Data Reconstruction for Remote Sensing Images With Weighted Low-Rank Tensor Model. IEEE Access, 2019, 7, 142339-142352.	2.6	3
82	Evaluation and comparison of MODIS Collection 6.1 aerosol optical depth against AERONET over regions in China with multifarious underlying surfaces. Atmospheric Environment, 2019, 200, 280-301.	1.9	72
83	Extending the SMAP 9-km soil moisture product using a spatio-temporal fusion model. Remote Sensing of Environment, 2019, 231, 111224.	4.6	13
84	The recent developments in cloud removal approaches of MODIS snow cover product. Hydrology and Earth System Sciences, 2019, 23, 2401-2416.	1.9	50
85	Deep learning based cloud detection for medium and high resolution remote sensing images of different sensors. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 150, 197-212.	4.9	192
86	Robust registration for remote sensing images by combining and localizing feature- and area-based methods. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 15-26.	4.9	82
87	A long-term and comprehensive assessment of the urbanization-induced impacts on vegetation net primary productivity. Science of the Total Environment, 2019, 669, 342-352.	3.9	80
88	The relationships between PM2.5 and aerosol optical depth (AOD) in mainland China: About and behind the spatio-temporal variations. Environmental Pollution, 2019, 248, 526-535.	3.7	99
89	An Integrated Method for Reconstructing Daily MODIS Land Surface Temperature Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1026-1040.	2.3	42
90	A Spatiotemporal Fusion Based Cloud Removal Method for Remote Sensing Images With Land Cover Changes. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 862-874.	2.3	43

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91	Sensor web - Enabled flood event process detection and instant service. Environmental Modelling and Software, 2019, 117, 29-42.	1.9	10
92	Exploring the association between the built environment and remotely sensed PM2.5 concentrations in urban areas. Journal of Cleaner Production, 2019, 220, 1014-1023.	4.6	62
93	Validation of MODIS 1-Km MAIAC Aerosol Products with AERONET in China During 2008-2016. , 2019, , .		0
94	Impact of Urban Spatial Form on Daytime Land Surface Temperature in Communities of Wuhan. , 2019, , .		0
95	High-Spatial-Resolution Population Exposure to PM2.5 Pollution Based on Multi-Satellite Retrievals: A Case Study of Seasonal Variation in the Yangtze River Delta, China in 2013. Remote Sensing, 2019, 11, 2724.	1.8	17
96	Downscaling GNSS-R Based Vegetation Water Content Product Using Random Forest Model. , 2019, , .		2
97	Polarimetric SAR Image Super-Resolution VIA Deep Convolutional Neural Network. , 2019, , .		8
98	Remote Sensing Image Mosaicking: Achievements and Challenges. IEEE Geoscience and Remote Sensing Magazine, 2019, 7, 8-22.	4.9	93
99	Temporal and Spatial Features of the Correlation between PM2.5 and O3 Concentrations in China. International Journal of Environmental Research and Public Health, 2019, 16, 4824.	1.2	34
100	Cloud and Shadow Removal for Sentinel-2 by Progressively Spatiotemporal Patch Group Learning. , 2019, , .		1
101	Differential Information Residual Convolutional Neural Network for Pansharpening. , 2019, , .		0
102	Estimating Surface Soil Moisture from Satellite Observations Using Machine Learning Trained on In Situ Measurements in the Continental U.S.. , 2019, , .		1
103	Hyperspectral Image Denoising Employing a Spatialâ€“Spectral Deep Residual Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1205-1218.	2.7	322
104	Multifrequency Polarimetric SAR Image Despeckling by Iterative Nonlocal Means Based on a Space-Frequency Information Joint Covariance Matrix. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 274-284.	2.3	7
105	Pansharpening for Cloud-Contaminated Very High-Resolution Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2840-2854.	2.7	54
106	Estimation of spatiotemporal PM1.0 distributions in China by combining PM2.5 observations with satellite aerosol optical depth. Science of the Total Environment, 2019, 658, 1256-1264.	3.9	56
107	The influence of urban planning factors on PM2.5 pollution exposure and implications: A case study in China based on remote sensing, LBS, and GIS data. Science of the Total Environment, 2019, 659, 1585-1596.	3.9	59
108	A Nonlinear Guided Filter for Polarimetric SAR Image Despeckling. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1918-1927.	2.7	18

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109	Hyperspectral Image Denoising Using Local Low-Rank Matrix Recovery and Global Spatialâ€“Spectral Total Variation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 713-729.	2.3	161
110	A Review on Recent Developments in Fully Polarimetric SAR Image Despeckling. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 743-758.	2.3	48
111	A Universal Destriping Framework Combining 1-D and 2-D Variational Optimization Methods. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 808-822.	2.7	43
112	Multiple timescale analysis of the urban heat island effect based on the Community Land Model: a case study of the city of Xiâ€™an, China. Environmental Monitoring and Assessment, 2018, 190, 8.	1.3	10
113	A two-step framework for reconstructing remotely sensed land surface temperatures contaminated by cloud. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 141, 30-45.	4.9	90
114	Monitoring of Historical Glacier Recession in Yulong Mountain by the Integration of Multisource Remote Sensing Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 388-400.	2.3	9
115	A Multiscale and Multidepth Convolutional Neural Network for Remote Sensing Imagery Pan-Sharpening. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 978-989.	2.3	374
116	Assessment of the impact of spatial heterogeneity on microwave satellite soil moisture periodic error. Remote Sensing of Environment, 2018, 205, 85-99.	4.6	21
117	A Remote Sensing Spatiotemporal Fusion Model of Landsat and Modis Data via Deep Learning. , 2018, , .		9
118	Quality Improvement of Satellite Soil Moisture Products by Fusing with In-Situ Measurements and GNSS-R Estimates in the Western Continental U.S.. Remote Sensing, 2018, 10, 1351.	1.8	28
119	A Unified Spatial-Temporal-Spectral Learning Framework for Reconstructing Missing Data in Remote Sensing Images. , 2018, , .		3
120	Deep Learning for Ground-Level PM<inf>2.5</inf> Prediction from Satellite Remote Sensing Data. , 2018, , .		5
121	Estimating Regional Groundâ€Level PM_{2.5} Directly From Satellite Topâ€Ofâ€Atmosphere Reflectance Using Deep Belief Networks. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,875.	1.2	96
122	Climate Control on Net Primary Productivity in the Complicated Mountainous Area: A Case Study of Yunnan, China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4637-4648.	2.3	17
123	Estimation of ultrahigh resolution PM2.5 concentrations in urban areas using 160â€¯m Gaofen-1 AOD retrievals. Remote Sensing of Environment, 2018, 216, 91-104.	4.6	77
124	Effects of urban form on haze pollution in China: Spatial regression analysis based on PM2.5 remote sensing data. Applied Geography, 2018, 98, 215-223.	1.7	109
125	On the Generation of Gapless and Seamless Daily Surface Reflectance Data. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4289-4306.	2.7	6
126	Point-surface fusion of station measurements and satellite observations for mapping PM2.5 distribution in China: Methods and assessment. Atmospheric Environment, 2017, 152, 477-489.	1.9	166

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127	Multi-feature combined cloud and cloud shadow detection in GaoFen-1 wide field of view imagery. Remote Sensing of Environment, 2017, 191, 342-358.	4.6	191
128	A Spatial and Temporal Nonlocal Filter-Based Data Fusion Method. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4476-4488.	2.7	94
129	Monitoring snow cover variability (2000â€“2014) in the Hengduan Mountains based on cloud-removed MODIS products with an adaptive spatio-temporal weighted method. Journal of Hydrology, 2017, 551, 314-327.	2.3	44
130	Missing Information Reconstruction for Single Remote Sensing Images Using Structure-Preserving Global Optimization. IEEE Signal Processing Letters, 2017, 24, 1163-1167.	2.1	13
131	Boosting the Accuracy of Multispectral Image Pansharpening by Learning a Deep Residual Network. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1795-1799.	1.4	367
132	Estimating Groundâ€Level PM_{2.5} by Fusing Satellite and Station Observations: A Geoâ€Intelligent Deep Learning Approach. Geophysical Research Letters, 2017, 44, 11,985.	1.5	284
133	DEM generation from contours and a low-resolution DEM. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 134, 135-147.	4.9	36
134	High-quality seamless DEM generation blending SRTM-1, ASTER GDEM v2 and ICESat/GLAS observations. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 123, 20-34.	4.9	97
135	A spatial â€” Spectral adaptive haze removal method for remote sensing images. , 2017, , .		3
136	Multi-scale-and-depth convolutional neural network for remote sensed imagery pan-sharpening. , 2017, , .		3
137	Registration of multitemporal GF-1 remote sensing images with weighting perspective transformation model. , 2017, , .		4
138	Shadow removal based on clustering correction of illumination field for urban aerial remote sensing images. , 2017, , .		3
139	Cloud removal by fusing multi-source and multi-temporal images. , 2017, , .		6
140	Generation of SMAP 9 KM soil moisture using a spatio-temporal information fusion model. , 2017, , .		0
141	Improving Spatial Coverage for Aqua MODIS AOD using NDVI-Based Multi-Temporal Regression Analysis. Remote Sensing, 2017, 9, 340.	1.8	17
142	Evaluation of Multiple Downscaled Microwave Soil Moisture Products over the Central Tibetan Plateau. Remote Sensing, 2017, 9, 402.	1.8	21
143	A 33-Year NPP Monitoring Study in Southwest China by the Fusion of Multi-Source Remote Sensing and Station Data. Remote Sensing, 2017, 9, 1082.	1.8	23
144	The Relationships between PM2.5 and Meteorological Factors in China: Seasonal and Regional Variations. International Journal of Environmental Research and Public Health, 2017, 14, 1510.	1.2	146

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145	Miss data reconstruction in remote sensing images with a double weighted tensor low rank model. , 2017, , .		1
146	Improving Soil Moisture Estimation with a Dual Ensemble Kalman Smoother by Jointly Assimilating AMSR-E Brightness Temperature and MODIS LST. Remote Sensing, 2017, 9, 273.	1.8	13
147	Building Earthquake Damage Information Extraction from a Single Post-Earthquake PolSAR Image. Remote Sensing, 2016, 8, 171.	1.8	42
148	Pansharpening with a Guided Filter Based on Three-Layer Decomposition. Sensors, 2016, 16, 1068.	2.1	32
149	Noise Removal From Hyperspectral Image With Joint Spectralâ€“Spatial Distributed Sparse Representation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5425-5439.	2.7	88
150	SMOS soil moisture downscaling based on back propagation neural network with MODIS LST and EVI. , 2016, , .		1
151	Fusion of multispectral and SAR images using sparse representation. , 2016, , .		4
152	Improving urban extent extraction from VHR optical data by means of cloud detection and image reconstruction. , 2016, , .		0
153	PolSAR anisotropic diffusion filter with a refined similarity measure and an adaptive fidelity constraint. International Journal of Remote Sensing, 2016, 37, 5988-6011.	1.3	6
154	Multimodal registration of remotely sensed images based on Jeffreyâ€™s divergence. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 122, 97-115.	4.9	39
155	Regional-scale winter wheat phenology monitoring using multisensor spatio-temporal fusion in a South Central China growing area. Journal of Applied Remote Sensing, 2016, 10, 046029.	0.6	10
156	Long-term urban impervious surface monitoring using spectral mixture analysis: A case study of Wuhan city in China. , 2016, , .		6
157	Image super-resolution: The techniques, applications, and future. Signal Processing, 2016, 128, 389-408.	2.1	375
158	Assimilating multi-source data into land surface model to simultaneously improve estimations of soil moisture, soil temperature, and surface turbulent fluxes in irrigated fields. Agricultural and Forest Meteorology, 2016, 230-231, 142-156.	1.9	36
159	Patch Matching-Based Multitemporal Group Sparse Representation for the Missing Information Reconstruction of Remote-Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3629-3641.	2.3	77
160	Hyperspectral Image Denoising with a Combined Spatial and Spectral Weighted Hyperspectral Total Variation Model. Canadian Journal of Remote Sensing, 2016, 42, 53-72.	1.1	28
161	An Integrated Framework for the Spatioâ€“Temporalâ€“Spectral Fusion of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7135-7148.	2.7	242
162	Numerical simulation of diurnal variation of urban land surface temperature based on CLM4.5. , 2016, , .		1

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163	Automatic cloud and cloud shadow detection in GF-1 WFV imagery using multiple features. , 2016, , .		3
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