Qunming Wang

List of Publications by Year
in descending order

78	3,549	147801	138484
papers	citations	31	58
		h-index	g-index

| 78 | 78 | 78 | 3004 |
| all docs | docs citations | times ranked | citing authors |

#	Article	IF	Citations
1	Real-Time Spatiotemporal Spectral Unmixing of MODIS Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	2
2	SSA-SiamNet: Spectral–Spatial-Wise Attention-Based Siamese Network for Hyperspectral Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	30
3	Geographically Weighted Spatial Unmixing for Spatiotemporal Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	6
4	Fast and Slow Changes Constrained Spatio-Temporal Subpixel Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	0
5	Hyperspectral Anomaly Detection via Background Purification and Spatial Difference Enhancement. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
6	Reweighted Nuclear Norm and Total Variation Regularization With Sparse Dictionary Construction for Hyperspectral Anomaly Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1775-1790.	4.9	2
7	A Double Dictionary-Based Nonlinear Representation Model for Hyperspectral Subpixel Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	7
8	Remote sensing image gap filling based on spatial-spectral random forests. Science of Remote Sensing, 2022, 5, 100048.	4.8	11
9	A deep learning model for incorporating temporal information in haze removal. Remote Sensing of Environment, 2022, 274, 113012.	11.0	12
10	Self-Adaptive Low-Rank and Sparse Decomposition for Hyperspectral Anomaly Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3672-3685.	4.9	4
11	A spectral grouping-based deep learning model for haze removal of hyperspectral images. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 188, 177-189.	11.1	15
12	RSCNet: A Residual Self-Calibrated Network for Hyperspectral Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	13
13	Integrating 250Âm MODIS data in spectral unmixing for 500Âm fractional vegetation cover estimation. International Journal of Applied Earth Observation and Geoinformation, 2022, 111, 102860.	1.9	1
14	Spatial–Spectral Radial Basis Function-Based Interpolation for Landsat ETM+ SLC-Off Image Gap Filling. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7901-7917.	6.3	18
15	Co-seismic landslide mapping using Sentinel-2 10-m fused NIR narrow, red-edge, and SWIR bands. Landslides, 2021, 18, 2017.	5.4	14
16	Blocks-removed spatial unmixing for downscaling MODIS images. Remote Sensing of Environment, 2021, 256, 112325.	11.0	33
17	Spatio-temporal spectral unmixing of time-series images. Remote Sensing of Environment, 2021, 259, 112407.	11.0	44
18	Filling gaps in Landsat ETM+ÂSLC-off images with Sentinel-2 MSI images. International Journal of Applied Earth Observation and Geoinformation, 2021, 101, 102365.	2.8	16

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19	Integrating spatio-temporal-spectral information for downscaling Sentinel-3 OLCI images. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 180, 130-150.	11.1	15
20	Object-Based Area-to-Point Regression Kriging for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8599-8614.	6.3	13
21	Seamless downscaling of the ESA CCI soil moisture data at the daily scale with MODIS land products. Journal of Hydrology, 2021, 603, 126930.	5.4	36
22	A Geostatistical Filter for Remote Sensing Image Enhancement. Mathematical Geosciences, 2020, 52, 317-336.	2.4	3
23	Information Loss-Guided Multi-Resolution Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 45-57.	6.3	10
24	A Value-Consistent Method for Downscaling SMAP Passive Soil Moisture With MODIS Products Using Self-Adaptive Window. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 913-924.	6.3	26
25	Virtual image pair-based spatio-temporal fusion. Remote Sensing of Environment, 2020, 249, 112009.	11.0	67
26	The effect of the point spread function on downscaling continua. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 168, 251-267.	11.1	15
27	General solution to reduce the point spread function effect in subpixel mapping. Remote Sensing of Environment, 2020, 251, 112054.	11.0	29
28	Investigating the Influence of Registration Errors on the Patch-Based Spatio-Temporal Fusion Method. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6291-6307.	4.9	7
29	Sub-pixel mapping with point constraints. Remote Sensing of Environment, 2020, 244, 111817.	11.0	22
30	Quantifying the Effect of Registration Error on Spatio-Temporal Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 487-503.	4.9	24
31	Using 250-m MODIS Data for Enhancing Spatiotemporal Fusion by Sparse Representation. Photogrammetric Engineering and Remote Sensing, 2020, 86, 383-392.	0.6	5
32	Multisource and Multitemporal Data Fusion in Remote Sensing: A Comprehensive Review of the State of the Art. IEEE Geoscience and Remote Sensing Magazine, 2019, 7, 6-39.	9.6	302
33	On the Effect of Misregistration on Spatio-temporal Fusion. , 2019, , .		1
34	Rice crop phenology mapping at high spatial and temporal resolution using downscaled MODIS time-series. GIScience and Remote Sensing, 2018, 55, 659-677.	5.9	41
35	Enhancing spectral unmixing by considering the point spread function effect. Spatial Statistics, 2018, 28, 271-283.	1.9	8
36	Mapping paddy rice fields by applying machine learning algorithms to multi-temporal Sentinel-1A and Landsat data. International Journal of Remote Sensing, 2018, 39, 1042-1067.	2.9	101

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37	Spatio-temporal fusion for daily Sentinel-2 images. Remote Sensing of Environment, 2018, 204, 31-42.	11.0	234
38	Approximate Area-to-Point Regression Kriging for Fast Hyperspectral Image Sharpening. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 286-295.	4.9	8
39	Spectral–Spatial Adaptive Area-to-Point Regression Kriging for MODIS Image Downscaling. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1883-1896.	4.9	11
40	A Novel Adaptive Fuzzy Local Information C -Means Clustering Algorithm for Remotely Sensed Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 5057-5068.	6.3	65
41	Enhancing Spatio-Temporal Fusion of MODIS and Landsat Data by Incorporating 250 m MODIS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4116-4123.	4.9	38
42	Fusion of Landsat 8 OLI and Sentinel-2 MSI Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3885-3899.	6.3	121
43	The effect of the point spread function on sub-pixel mapping. Remote Sensing of Environment, 2017, 193, 127-137.	11.0	37
44	Learning-Based Spatial–Temporal Superresolution Mapping of Forest Cover With MODIS Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 600-614.	6.3	26
45	Water Bodies' Mapping from Sentinel-2 Imagery with Modified Normalized Difference Water Index at 10-m Spatial Resolution Produced by Sharpening the SWIR Band. Remote Sensing, 2016, 8, 354.	4.0	486
46	A Scale-Driven Change Detection Method Incorporating Uncertainty Analysis for Remote Sensing Images. Remote Sensing, 2016, 8, 745.	4.0	11
47	Area-to-point regression kriging for pan-sharpening. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 114, 151-165.	11.1	60
48	Landslide mapping from aerial photographs using change detection-based Markov random field. Remote Sensing of Environment, 2016, 187, 76-90.	11.0	112
49	Fusion of Sentinel-2 images. Remote Sensing of Environment, 2016, 187, 241-252.	11.0	163
50	Spatiotemporal Subpixel Mapping of Time-Series Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5397-5411.	6.3	24
51	Spatial-dictionary for collaborative representation classification of hyperspectral images. Multimedia Tools and Applications, 2016, 75, 9241-9254.	3.9	3
52	Semi-automated landslide inventory mapping from bitemporal aerial photographs using change detection and level set method. Remote Sensing of Environment, 2016, 175, 215-230.	11.0	102
53	A New Geostatistical Solution to Remote Sensing Image Downscaling. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 386-396.	6.3	39
54	A Multiple-Mapping Kernel for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 978-982.	3.1	9

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55	Downscaling MODIS images with area-to-point regression kriging. Remote Sensing of Environment, 2015, 166, 191-204.	11.0	126
56	Soft-then-hard sub-pixel mapping with multiple shifted images. International Journal of Remote Sensing, 2015, 36, 1329-1348.	2.9	9
57	Fast Subpixel Mapping Algorithms for Subpixel Resolution Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1692-1706.	6.3	44
58	Indicator Cokriging-Based Subpixel Mapping Without Prior Spatial Structure Information. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 309-323.	6.3	48
59	Extracting Man-Made Objects From High Spatial Resolution Remote Sensing Images via Fast Level Set Evolutions. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 883-899.	6.3	19
60	Land Cover Change Detection at Subpixel Resolution With a Hopfield Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1339-1352.	4.9	66
61	A subpixel mapping algorithm combining pixel-level and subpixel-level spatial dependences with binary integer programming. Remote Sensing Letters, 2014, 5, 902-911.	1.4	20
62	Indicator Cokriging-Based Subpixel Land Cover Mapping With Shifted Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 327-339.	4.9	37
63	Spatialâ€"Spectral Information-Based Semisupervised Classification Algorithm for Hyperspectral Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3577-3585.	4.9	28
64	Utilizing Multiple Subpixel Shifted Images in Subpixel Mapping With Image Interpolation. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 798-802.	3.1	30
65	Spectralâ€"Spatial Classification and Shape Features for Urban Road Centerline Extraction. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 788-792.	3.1	62
66	Sub-pixel mapping of remote sensing images based on radial basis function interpolation. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 92, 1-15.	11.1	93
67	Allocating Classes for Soft-Then-Hard Subpixel Mapping Algorithms in Units of Class. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2940-2959.	6.3	69
68	Semi-supervised classification for hyperspectral imagery based on spatial-spectral Label Propagation. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 97, 123-137.	11.1	81
69	Class Allocation for Soft-Then-Hard Subpixel Mapping Algorithms With Adaptive Visiting Order of Classes. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1494-1498.	3.1	19
70	Geometric Method of Fully Constrained Least Squares Linear Spectral Mixture Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 3558-3566.	6.3	34
71	Subpixel Mapping Using Markov Random Field With Multiple Spectral Constraints From Subpixel Shifted Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 598-602.	3.1	64
72	Unsupervised classification based on fuzzy c-means with uncertainty analysis. Remote Sensing Letters, 2013, 4, 1087-1096.	1.4	22

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73	Fast Implementation of Maximum Simplex Volume-Based Endmember Extraction in Original Hyperspectral Data Space. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 516-521.	4.9	21
74	Spectral Unmixing Model Based on Least Squares Support Vector Machine With Unmixing Residue Constraints. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1592-1596.	3.1	33
75	Endmember extraction based on modified Iterative Error Analysis. , 2013, , .		2
76	Particle swarm optimization-based sub-pixel mapping for remote-sensing imagery. International Journal of Remote Sensing, 2012, 33, 6480-6496.	2.9	78
77	Integration of spatial attractions between and within pixels for sub-pixel mapping. Journal of Systems Engineering and Electronics, 2012, 23, 293-303.	2.2	34
78	Sub-pixel mapping based on sub-pixel to sub-pixel spatial attraction model. , 2011, , .		7