Qunming Wang

List of Publications by Year
in descending order

78 papers	3,549 citations	147801 31 h-index	138484 58 g-index
78 all docs	78 docs citations	78 times ranked	3004 citing authors

#	Article	IF	Citations
1	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
2	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
3	Spatio-temporal fusion for daily Sentinel-2 images. Remote Sensing of Environment, 2018, 204, 31-42.	11.0	234
4	Fusion of Sentinel-2 images. Remote Sensing of Environment, 2016, 187, 241-252.	11.0	163
5	Downscaling MODIS images with area-to-point regression kriging. Remote Sensing of Environment, 2015, 166, 191-204.	11.0	126
6	Fusion of Landsat 8 OLI and Sentinel-2 MSI Data. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3885-3899.	6.3	121
7	Landslide mapping from aerial photographs using change detection-based Markov random field. Remote Sensing of Environment, 2016, 187, 76-90.	11.0	112
8	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
9	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
10	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
11	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
12	Particle swarm optimization-based sub-pixel mapping for remote-sensing imagery. International Journal of Remote Sensing, 2012, 33, 6480-6496.	2.9	78
13	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
14	Virtual image pair-based spatio-temporal fusion. Remote Sensing of Environment, 2020, 249, 112009.	11.0	67
15	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
16	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
17	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
18	Spectral–Spatial Classification and Shape Features for Urban Road Centerline Extraction. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 788-792.	3.1	62

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19	Area-to-point regression kriging for pan-sharpening. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 114, 151-165.	11.1	60
20	Indicator Cokriging-Based Subpixel Mapping Without Prior Spatial Structure Information. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 309-323.	6.3	48
21	Fast Subpixel Mapping Algorithms for Subpixel Resolution Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1692-1706.	6.3	44
22	Spatio-temporal spectral unmixing of time-series images. Remote Sensing of Environment, 2021, 259, 112407.	11.0	44
23	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
24	A New Geostatistical Solution to Remote Sensing Image Downscaling. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 386-396.	6.3	39
25	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
26	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
27	The effect of the point spread function on sub-pixel mapping. Remote Sensing of Environment, 2017, 193, 127-137.	11.0	37
28	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
29	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
30	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
31	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
32	Blocks-removed spatial unmixing for downscaling MODIS images. Remote Sensing of Environment, 2021, 256, 112325.	11.0	33
33	Utilizing Multiple Subpixel Shifted Images in Subpixel Mapping With Image Interpolation. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 798-802.	3.1	30
34	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
35	General solution to reduce the point spread function effect in subpixel mapping. Remote Sensing of Environment, 2020, 251, 112054.	11.0	29
36	Spatial–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

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37	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
38	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
39	Spatiotemporal Subpixel Mapping of Time-Series Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5397-5411.	6.3	24
40	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
41	Unsupervised classification based on fuzzy c-means with uncertainty analysis. Remote Sensing Letters, 2013, 4, 1087-1096.	1.4	22
42	Sub-pixel mapping with point constraints. Remote Sensing of Environment, 2020, 244, 111817.	11.0	22
43	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
44	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
45	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
46	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
47	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
48	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
49	The effect of the point spread function on downscaling continua. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 168, 251-267.	11.1	15
50	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
51	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
52	Co-seismic landslide mapping using Sentinel-2 10-m fused NIR narrow, red-edge, and SWIR bands. Landslides, 2021, 18, 2017.	5.4	14
53	Object-Based Area-to-Point Regression Kriging for Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8599-8614.	6.3	13
54	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

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55	A deep learning model for incorporating temporal information in haze removal. Remote Sensing of Environment, 2022, 274, 113012.	11.0	12
56	A Scale-Driven Change Detection Method Incorporating Uncertainty Analysis for Remote Sensing Images. Remote Sensing, 2016, 8, 745.	4.0	11
57	Spectralâ€"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
58	Remote sensing image gap filling based on spatial-spectral random forests. Science of Remote Sensing, 2022, 5, 100048.	4.8	11
59	Information Loss-Guided Multi-Resolution Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 45-57.	6.3	10
60	A Multiple-Mapping Kernel for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 978-982.	3.1	9
61	Soft-then-hard sub-pixel mapping with multiple shifted images. International Journal of Remote Sensing, 2015, 36, 1329-1348.	2.9	9
62	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
63	Enhancing spectral unmixing by considering the point spread function effect. Spatial Statistics, 2018, 28, 271-283.	1.9	8
64	Sub-pixel mapping based on sub-pixel to sub-pixel spatial attraction model. , 2011, , .		7
65	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
66	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
67	Geographically Weighted Spatial Unmixing for Spatiotemporal Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	6
68	Using 250-m MODIS Data for Enhancing Spatiotemporal Fusion by Sparse Representation. Photogrammetric Engineering and Remote Sensing, 2020, 86, 383-392.	0.6	5
69	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
70	Spatial-dictionary for collaborative representation classification of hyperspectral images. Multimedia Tools and Applications, 2016, 75, 9241-9254.	3.9	3
71	A Geostatistical Filter for Remote Sensing Image Enhancement. Mathematical Geosciences, 2020, 52, 317-336.	2.4	3
72	Endmember extraction based on modified Iterative Error Analysis. , 2013, , .		2

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73	Real-Time Spatiotemporal Spectral Unmixing of MODIS Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	2
74	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
75	On the Effect of Misregistration on Spatio-temporal Fusion. , 2019, , .		1
76	Hyperspectral Anomaly Detection via Background Purification and Spatial Difference Enhancement. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
77	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
78	Fast and Slow Changes Constrained Spatio-Temporal Subpixel Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	0