

Super-resolution land cover mapping using a Markov random field

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A subpixel mapping algorithm based on subpixel/pixel spatial attraction models. International Journal of Remote Sensing, 2006, 27, 3293-3310.	1.3	209
2	On scales and dynamics in observing the environment. International Journal of Remote Sensing, 2006, 27, 2123-2140.	1.3	58
3	Super-resolution land cover mapping with indicator geostatistics. Remote Sensing of Environment, 2006, 104, 264-282.	4.6	133
4	A statistical method to downscale aggregated land use data and scenarios. Journal of Land Use Science, 2006, 1, 63-82.	1.0	49
5	The Future of Imaging Spectroscopy Prospective Technologies and Applications. , 2006, , .		13
6	Weighting Function Alternatives for a Subpixel Allocation Model. Photogrammetric Engineering and Remote Sensing, 2007, 73, 1233-1240.	0.3	38
7	Geostatistical Solutions for Super-Resolution Land Cover Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 272-283.	2.7	97
8	Downscaling Cokriging for Super-Resolution Mapping of Continua in Remotely Sensed Images. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 573-580.	2.7	104
9	Unsupervised Subpixelic Classification Using Coarse-Resolution Time Series and Structural Information. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1359-1374.	2.7	25
10	Fuzzy Super Resolution Mapping Based on Markov Random Fields. , 2008, , .		7
11	Land cover mapping after the tsunami event over Nanggroe Aceh Darussalam (NAD) province, Indonesia. Proceedings of SPIE, 2008, , .	0.8	0
12	Issues of uncertainty in super-resolution mapping and their implications for the design of an inter-comparison study. International Journal of Remote Sensing, 2009, 30, 5293-5308.	1.3	125
13	Super-Resolution Reconstruction of Remote Sensing Images Using Multifractal Analysis. Sensors, 2009, 9, 8669-8683.	2.1	32
14	Quantification of the Effects of Land-Cover-Class Spectral Separability on the Accuracy of Markov-Random-Field-Based Superresolution Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3283-3297.	2.7	124
15	Superresolution Reconstruction of Multispectral Data for Improved Image Classification. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 689-693.	1.4	18
16	Recent advances in techniques for hyperspectral image processing. Remote Sensing of Environment, 2009, 113, S110-S122.	4.6	1,452
17	Earth system science related imaging spectroscopy"An assessment. Remote Sensing of Environment, 2009, 113, S123-S137.	4.6	382
18	Modification of Pixel-swapping Algorithm with Initialization from a Sub-pixel/pixel Spatial Attraction Model. Photogrammetric Engineering and Remote Sensing, 2009, 75, 557-567.	0.3	38

#	ARTICLE	IF	CITATIONS
19	Sub-pixel mapping using Fuzzy ARTMAP neural network with fused remote sensed images. , 2009, , .		0
20	A Hierarchical Spatio-Temporal Markov Model for Improved Flood Mapping Using Multi-Temporal X-Band SAR Data. Remote Sensing, 2010, 2, 2240-2258.	1.8	56
21	Estimating the Local Small Support Semivariogram for Use in Super-Resolution Mapping. Quantitative Geology and Geostatistics, 2010, , 279-294.	0.1	3
22	Improving urban land use and land cover classification from high-spatial-resolution hyperspectral imagery using contextual information. Journal of Applied Remote Sensing, 2010, 4, 041890.	0.6	20
23	Characterizing sub-pixel landscape patterns from remotely sensed imagery with sub-pixel mapping methods. , 2010, , .		0
24	Exploring some issues of sub-pixel mapping based on directly spatial attraction. , 2010, , .		0
25	Markov random field based super-resolution mapping for identification of urban trees in VHR images. , 2010, , .		2
26	Super-resolution land-cover mapping using multiple sub-pixel shifted remotely sensed images. International Journal of Remote Sensing, 2010, 31, 5023-5040.	1.3	101
27	geoENV VII " Geostatistics for Environmental Applications. Quantitative Geology and Geostatistics, 2010, , .	0.1	32
28	Sub-pixel mapping based on sub-pixel to sub-pixel spatial attraction model. , 2011, , .		7
29	Using a sub-pixel mapping model to improve the accuracy of landscape pattern indices. Ecological Indicators, 2011, 11, 1160-1170.	2.6	39
30	Land Cover Mapping and Change Detection Analysis over Nanggroe Aceh (NAD) Province after Tsunami. , 0, , .		0
31	A Multi-Resolution Multi-Temporal Technique for Detecting and Mapping Deforestation in the Brazilian Amazon Rainforest. Remote Sensing, 2011, 3, 1943-1956.	1.8	27
32	Subpixel target detection and enhancement in hyperspectral images. Proceedings of SPIE, 2011, , .	0.8	0
33	Improving Subpixel Classification by Incorporating Prior Information in Linear Mixture Models. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1001-1013.	2.7	3
34	Markov-random-field-based super-resolution mapping for identification of urban trees in VHR images. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 762-775.	4.9	114
35	Video super-resolution reconstruction using a mobile search strategy and adaptive patch size. Signal Processing, 2011, 91, 1284-1297.	2.1	20
36	Patterns and trends in land-use land-cover change research explored using self-organizing map. International Journal of Remote Sensing, 2011, 32, 3765-3790.	1.3	8

#	ARTICLE	IF	CITATIONS
37	Adaptive support vector machine and Markov random field model for classifying hyperspectral imagery. Journal of Applied Remote Sensing, 2011, 5, 053538.	0.6	9
38	The impact of image and class structure upon sub-pixel mapping accuracy using the pixel-swapping algorithm. Annals of GIS, 2011, 17, 31-42.	1.4	12
39	Landscape structure based super-resolution mapping from remotely sensed imagery. , 2011, , .		2
40	Particle swarm optimization-based sub-pixel mapping for remote-sensing imagery. International Journal of Remote Sensing, 2012, 33, 6480-6496.	1.3	78
41	Markov Models for Image Labeling. Mathematical Problems in Engineering, 2012, 2012, 1-18.	0.6	60
42	Sub-pixel Mapping with Multiple Shifted Remotely Sensed Images Based on Attraction Model. Lecture Notes in Computer Science, 2012, , 482-489.	1.0	2
43	Land cover change detection of Hatiya Island, Bangladesh, using remote sensing techniques. Journal of Applied Remote Sensing, 2012, 6, 063608.	0.6	23
44	A robust two-stage super-resolution algorithm. , 2012, , .		1
45	Research on image reconstruction based and pixel unmixing based sub-pixel mapping methods. , 2012, , .		5
46	Integration of spatial attractions between and within pixels for sub-pixel mapping. Journal of Systems Engineering and Electronics, 2012, 23, 293-303.	1.1	34
47	A variational Bayesian approach for unsupervised super-resolution using mixture models of point and smooth sources applied to astrophysical map-making. Inverse Problems, 2012, 28, 125005.	1.0	11
48	Particle Swarm Optimization-Based Hyperspectral Dimensionality Reduction for Urban Land Cover Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 544-554.	2.3	115
49	Remote Sensing Image Subpixel Mapping Based on Adaptive Differential Evolution. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1306-1329.	5.5	104
50	Fast video super-resolution using artificial neural networks. , 2012, , .		4
51	A super-resolution mapping method using local indicator variograms. International Journal of Remote Sensing, 2012, 33, 7747-7773.	1.3	56
52	Remote-sensing image analysis and geostatistics. International Journal of Remote Sensing, 2012, 33, 5644-5676.	1.3	120
53	Spatially adaptive smoothing parameter selection for Markov random field based sub-pixel mapping of remotely sensed images. International Journal of Remote Sensing, 2012, 33, 7886-7901.	1.3	40
54	Object-based sub-pixel mapping of buildings incorporating the prior shape information from remotely sensed imagery. International Journal of Applied Earth Observation and Geoinformation, 2012, 18, 283-292.	1.4	53

#	ARTICLE	IF	CITATIONS
55	Integrating Spatial Structure in Super-Resolution Mapping of Hyper-Spectral Image. <i>Procedia Engineering</i> , 2012, 29, 1957-1962.	1.2	4
56	Spectral unmixing. <i>International Journal of Remote Sensing</i> , 2012, 33, 5307-5340.	1.3	128
57	Soil type mapping using the generalised linear geostatistical model: A case study in a Dutch cultivated peatland. <i>Geoderma</i> , 2012, 189-190, 540-553.	2.3	27
58	Combining Hopfield Neural Network and Contouring Methods to Enhance Super-Resolution Mapping. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012, 5, 1403-1417.	2.3	43
59	Super-resolution mapping based on the supervised fuzzy <i>c</i> -means approach. <i>Remote Sensing Letters</i> , 2012, 3, 501-510.	0.6	25
60	Subpixel Land Cover Mapping by Integrating Spectral and Spatial Information of Remotely Sensed Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2012, 9, 408-412.	1.4	46
61	Attraction-Repulsion Model-Based Subpixel Mapping of Multi-/Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 2799-2814.	2.7	21
62	PSO-based Fusion Method for Video Super-Resolution. <i>Journal of Signal Processing Systems</i> , 2013, 73, 25-42.	1.4	2
63	Super-resolution image analysis as a means of monitoring bracken (<i>Pteridium aquilinum</i>) distributions. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013, 75, 48-63.	4.9	19
64	Sub-pixel land-cover mapping with improved fraction images upon multiple-point simulation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 22, 115-126.	1.4	52
65	Sub-Pixel Mapping Based on a MAP Model With Multiple Shifted Hyperspectral Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 580-593.	2.3	79
66	Classification-based video super-resolution using artificial neural networks. <i>Signal Processing</i> , 2013, 93, 2612-2625.	2.1	9
67	Downscaling in remote sensing. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 22, 106-114.	1.4	172
68	Sub-pixel mapping based on artificial immune systems for remote sensing imagery. <i>Pattern Recognition</i> , 2013, 46, 2902-2926.	5.1	57
69	Land-Cover Mapping by Markov Modeling of Spatial Contextual Information in Very-High-Resolution Remote Sensing Images. <i>Proceedings of the IEEE</i> , 2013, 101, 631-651.	16.4	200
70	Contextual Subpixel Mapping of Hyperspectral Images Making Use of a High Resolution Color Image. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 779-791.	2.3	29
71	Subpixel Mapping Using Markov Random Field With Multiple Spectral Constraints From Subpixel Shifted Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013, 10, 598-602.	1.4	64
72	Sub-pixel mapping of remotely sensed imagery with hybrid intra- and inter-pixel dependence. <i>International Journal of Remote Sensing</i> , 2013, 34, 341-357.	1.3	58

#	ARTICLE	IF	CITATIONS
73	Genetic Algorithm Based Optimization after Sub-pixel/Pixel Spatial Attraction Model for Sub-pixel Mapping. , 2013, , .		0
74	Development and application of geospatial models for verifying the geographical origin of food. , 2013, , 60-80.		1
75	Hyperspectral image subpixel mapping using Getis index. , 2013, , .		2
76	A unified sub-pixel mapping model integrating spectral unmixing for hyperspectral imagery. , 2013, , .		0
77	A Joint Land Cover Mapping and Image Registration Algorithm Based on a Markov Random Field Model. Remote Sensing, 2013, 5, 5089-5121.	1.8	6
78	Super-Resolution Mapping of Forests With Bitemporal Different Spatial Resolution Images Based on the Spatial-Temporal Markov Random Field. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 29-39.	2.3	44
79	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.	2.3	37
80	Superresolution Land Cover Mapping With Multiscale Information by Fusing Local Smoothness Prior and Downscaled Coarse Fractions. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5677-5692.	2.7	24
81	Unsupervised Subpixel Mapping of Remotely Sensed Imagery Based on Fuzzy C-Means Clustering Approach. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1024-1028.	1.4	17
82	Utilizing Multiple Subpixel Shifted Images in Subpixel Mapping With Image Interpolation. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 798-802.	1.4	30
83	A flood mapping algorithm from cloud contaminated MODIS time-series data using a Markov random field model. , 2014, , .		1
84	A Video Super Resolution Algorithm Based on Wavelet Coefficient. Applied Mechanics and Materials, 0, 610, 425-428.	0.2	0
85	A Novel Semi-Supervised Method for Obtaining Finer Resolution Urban Extents Exploiting Coarser Resolution Maps. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4276-4287.	2.3	18
86	Adaptive Subpixel Mapping Based on a Multiagent System for Remote-Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 787-804.	2.7	73
87	Sub-pixel mapping of remote sensing images based on radial basis function interpolation. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 92, 1-15.	4.9	93
88	Allocating Classes for Soft-Then-Hard Subpixel Mapping Algorithms in Units of Class. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2940-2959.	2.7	69
89	Spatially Adaptive Superresolution Land Cover Mapping With Multispectral and Panchromatic Images. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 2810-2823.	2.7	32
90	Modified genetic algorithm-based sub-pixel mapping. Optik, 2014, 125, 6379-6383.	1.4	5

#	ARTICLE	IF	CITATIONS
91	Adaptive MAP sub-pixel mapping model based on regularization curve for multiple shifted hyperspectral imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 96, 134-148.	4.9	24
92	A Markov random field based approach to the identification of meat and bone meal in feed by near-infrared spectroscopic imaging. Analytical and Bioanalytical Chemistry, 2014, 406, 4705-4714.	1.9	4
93	Superresolution Land Cover Mapping Using Spatial Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4424-4439.	2.7	41
94	A sub-pixel mapping method based on an attraction model for multiple shifted remotely sensed images. Neurocomputing, 2014, 134, 79-91.	3.5	26
95	Example-Based Super-Resolution Land Cover Mapping Using Support Vector Regression. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1271-1283.	2.3	48
96	A spatial-temporal Hopfield neural network approach for super-resolution land cover mapping with multi-temporal different resolution remotely sensed images. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 93, 76-87.	4.9	45
97	Sub-pixel mapping of remote-sensing imagery based on chaotic quantum bee colony algorithm. International Journal of Computing Science and Mathematics, 2014, 5, 61.	0.2	7
98	Sub-pixel-scale Land Cover Map Updating by Integrating Change Detection and Sub-Pixel Mapping. Photogrammetric Engineering and Remote Sensing, 2015, 81, 59-67.	0.3	14
99	Sub pixel level arrangement of spatial dependences to improve classification accuracy. , 2015, , .		1
100	Non-local sub-pixel mapping for hyperspectral imagery. , 2015, , .		1
101	A map-based approach to resolution enhancement of hyperspectral images. , 2015, , .		4
102	Resolution Enhancement Method Used for Force Sensing Resistor Array. Journal of Sensors, 2015, 2015, 1-12.	0.6	10
103	Fully spatially adaptive smoothing parameter estimation for Markov random field super-resolution mapping of remotely sensed images. International Journal of Remote Sensing, 2015, 36, 2851-2879.	1.3	10
104	Spectral-temporal based sub-pixel mapping of remotely sensed imagery with multi-scale spatial dependence. International Journal of Remote Sensing, 2015, 36, 2831-2850.	1.3	15
105	Hyperspectral Super-Resolution by Coupled Spectral Unmixing. , 2015, , .		256
106	Super-Resolution Land Cover Mapping Using Multiscale Self-Similarity Redundancy. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 5130-5145.	2.3	13
107	Soft-then-hard sub-pixel mapping with multiple shifted images. International Journal of Remote Sensing, 2015, 36, 1329-1348.	1.3	9
108	Landscape heterogeneity and scale considerations for super-resolution mapping. International Journal of Remote Sensing, 2015, 36, 2395-2408.	1.3	14

#	ARTICLE	IF	CITATIONS
109	Integrating super resolution mapping and SEBS modeling for evapotranspiration mapping at the field scale. <i>Precision Agriculture</i> , 2015, 16, 571-586.	3.1	8
110	A New Super Resolution Mapping Algorithm by Combining Pixel and Subpixel-Level Spatial Dependences With Colorimetry. <i>Journal of the Indian Society of Remote Sensing</i> , 2015, 43, 259-268.	1.2	1
111	Sub-Pixel Mapping Based on Conditional Random Fields for Hyperspectral Remote Sensing Imagery. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2015, 9, 1049-1060.	7.3	34
112	OpenStreetMap in GIScience. <i>Lecture Notes in Geoinformation and Cartography</i> , 2015, , .	0.5	78
113	A versatile spatial resolution enhancement method for data acquisition. <i>Measurement Science and Technology</i> , 2015, 26, 045901.	1.4	0
114	Automated annual cropland mapping using knowledge-based temporal features. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 110, 1-13.	4.9	135
115	Hybrid Constraints of Pure and Mixed Pixels for Soft-Then-Hard Super-Resolution Mapping With Multiple Shifted Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 2040-2052.	2.3	40
116	Super-Resolution Land Cover Mapping Based on Multiscale Spatial Regularization. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 2031-2039.	2.3	25
117	Improving the Spatial Resolution of Landsat TM/ETM+ Through Fusion With SPOT5 Images via Learning-Based Super-Resolution. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 1195-1204.	2.7	59
118	Fast Subpixel Mapping Algorithms for Subpixel Resolution Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 1692-1706.	2.7	44
119	Indicator Cokriging-Based Subpixel Mapping Without Prior Spatial Structure Information. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 309-323.	2.7	48
120	An Adaptive Subpixel Mapping Method Based on MAP Model and Class Determination Strategy for Hyperspectral Remote Sensing Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 1411-1426.	2.7	78
121	Land Cover Change Detection at Subpixel Resolution With a Hopfield Neural Network. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 1339-1352.	2.3	66
122	Designing an Experiment to Investigate Subpixel Mapping as an Alternative Method to Obtain Land Use/Land Cover Maps. <i>Remote Sensing</i> , 2016, 8, 360.	1.8	14
123	Assessing a Temporal Change Strategy for Sub-Pixel Land Cover Change Mapping from Multi-Scale Remote Sensing Imagery. <i>Remote Sensing</i> , 2016, 8, 642.	1.8	11
124	Nonlocal Total Variation Subpixel Mapping for Hyperspectral Remote Sensing Imagery. <i>Remote Sensing</i> , 2016, 8, 250.	1.8	20
125	Mapping Forest Cover and Forest Cover Change with Airborne S-Band Radar. <i>Remote Sensing</i> , 2016, 8, 577.	1.8	26
126	Producing Subpixel Resolution Thematic Map From Coarse Imagery: MAP Algorithm-Based Super-Resolution Recovery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 2290-2304.	2.3	12

#	ARTICLE	IF	CITATIONS
127	Super-resolution reconstruction of hyperspectral images using empirical mode decomposition and compressed sensing. <i>Journal of Applied Remote Sensing</i> , 2016, 10, 042011.	0.6	1
128	A novel land cover mapping algorithm based on random forest and Markov random field models. , 2016, , .		0
129	Locally adaptive linear mixture model-based super-resolution land-cover mapping based on a structure tensor. <i>International Journal of Remote Sensing</i> , 2016, 37, 5802-5825.	1.3	3
130	Parcel-Based Crop Classification in Ukraine Using Landsat-8 Data and Sentinel-1A Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 2500-2508.	2.3	148
131	An Iterative Interpolation Deconvolution Algorithm for Superresolution Land Cover Mapping. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 7210-7222.	2.7	10
132	Combining a random forest algorithm and a level set method for land cover mapping. , 2016, , .		1
133	Land cover mapping classification based on multi Restricted Boltzmann machines and Support Vector Machines. , 2016, , .		1
134	Subpixel Mapping of Multispectral Images Using Markov Random Field With Graph Cut Optimization. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 1507-1511.	1.4	2
135	Quality improvement of hyperspectral remote sensing images: A technical overview. , 2016, , .		1
136	Spatiotemporal Subpixel Mapping of Time-Series Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 5397-5411.	2.7	24
137	Improving super-resolution mapping through combining multiple super-resolution land-cover maps. <i>International Journal of Remote Sensing</i> , 2016, 37, 2415-2432.	1.3	12
138	Enhanced Subpixel Mapping With Spatial Distribution Patterns of Geographical Objects. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 2356-2370.	2.7	54
139	A New Genetic Method for Subpixel Mapping Using Hyperspectral Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 4480-4491.	2.3	35
140	Learning-Based Superresolution Land Cover Mapping. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 3794-3810.	2.7	23
141	A Superresolution Land-Cover Change Detection Method Using Remotely Sensed Images With Different Spatial Resolutions. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 3822-3841.	2.7	34
142	Subpixel Mapping Technique of HSI. , 2016, , 147-185.		0
143	Markov random field-based method for super-resolution mapping of forest encroachment from remotely sensed ASTER image. <i>Geocarto International</i> , 2016, 31, 428-445.	1.7	10
144	Integrating Object Boundary in Super-Resolution Land-Cover Mapping. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 219-230.	2.3	19

#	ARTICLE	IF	CITATIONS
145	Automatic super-resolution shoreline change monitoring using Landsat archival data: a case study at Narrabeenâ€“Collaroy Beach, Australia. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 016036.	0.6	73
146	Super-Resolving Multiresolution Images With Band-Independent Geometry of Multispectral Pixels. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 4610-4617.	2.7	102
147	Generating a series of fine spatial and temporal resolution land cover maps by fusing coarse spatial resolution remotely sensed images and fine spatial resolution land cover maps. <i>Remote Sensing of Environment</i> , 2017, 196, 293-311.	4.6	98
148	The effect of the point spread function on sub-pixel mapping. <i>Remote Sensing of Environment</i> , 2017, 193, 127-137.	4.6	37
149	Open land cover from OpenStreetMap and remote sensing. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 63, 206-213.	1.4	81
150	Updating Landsat-based forest cover maps with MODIS images using multiscale spectral-spatial-temporal superresolution mapping. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2017, 63, 129-142.	1.4	8
151	Learning-Based Spatialâ€“Temporal Superresolution Mapping of Forest Cover With MODIS Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 600-614.	2.7	26
152	A Hybrid Subpixel Mapping Framework for Hyperspectral Images Using Collaborative Representation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 5073-5086.	2.3	6
153	A super-resolution land cover mapping based on a random forest and Markov random field model. , 2017, , .		1
154	A fast algorithm based on a Sylvester-like equation for LS regression with GMRF prior. , 2017, , .		0
155	An innovative practical surveying green-land areas in metropolitan zones based on aerial video images. , 2017, , .		0
156	Joint Sparse Sub-Pixel Mapping Model with Endmember Variability for Remotely Sensed Imagery. <i>Remote Sensing</i> , 2017, 9, 15.	1.8	19
157	A New Spatial Attraction Model for Improving Subpixel Land Cover Classification. <i>Remote Sensing</i> , 2017, 9, 360.	1.8	21
158	Hyperspectral Imaging: A Review on UAV-Based Sensors, Data Processing and Applications for Agriculture and Forestry. <i>Remote Sensing</i> , 2017, 9, 1110.	1.8	748
159	Hyperspectral Image Spatial Super-Resolution via 3D Full Convolutional Neural Network. <i>Remote Sensing</i> , 2017, 9, 1139.	1.8	192
160	Coupling the Modified Linear Spectral Mixture Analysis and Pixel-Swapping Methods for Improving Subpixel Water Mapping: Application to the Pearl River Delta, China. <i>Water (Switzerland)</i> , 2017, 9, 658.	1.2	17
161	Subpixel Mapping Method of Hyperspectral Images Based on Modified Binary Quantum Particle Swarm Optimization. <i>Journal of Electrical and Computer Engineering</i> , 2017, 2017, 1-17.	0.6	6
162	Color Image Segmentation Using Fuzzy C-Regression Model. <i>Advances in Fuzzy Systems</i> , 2017, 2017, 1-15.	0.6	12

#	ARTICLE	IF	CITATIONS
163	Influence of reconstruction scale, spatial resolution and pixel spatial relationships on the sub-pixel mapping accuracy of a double-calculated spatial attraction model. <i>Remote Sensing of Environment</i> , 2018, 210, 345-361.	4.6	25
164	Super-Resolution for GaoFen-4 Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 28-32.	1.4	32
165	A tutorial on modelling and inference in undirected graphical models for hyperspectral image analysis. <i>International Journal of Remote Sensing</i> , 2018, 39, 7104-7143.	1.3	6
166	Subpixel Land Cover Mapping Using Multiscale Spatial Dependence. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 5097-5106.	2.7	21
167	A Novel Approach for Markov Random Field With Intractable Normalizing Constant on Large Lattices. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 59-70.	0.9	3
168	Object-Based Superresolution Land-Cover Mapping From Remotely Sensed Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 328-340.	2.7	35
169	Video Super-Resolution via Dynamic Local Filter Network. , 2018, , .		3
170	Land Cover Mapping with Higher Order Graph-Based Co-Occurrence Model. <i>Remote Sensing</i> , 2018, 10, 1713.	1.8	7
171	Multiframe super-resolution based on a high-order spatially weighted regularisation. <i>IET Image Processing</i> , 2018, 12, 928-940.	1.4	4
172	A New Spectral-Spatial Sub-Pixel Mapping Model for Remotely Sensed Hyperspectral Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 6763-6778.	2.7	22
173	Super-Resolution Mapping of Impervious Surfaces from Remotely Sensed Imagery with Points-of-Interest. <i>Remote Sensing</i> , 2018, 10, 242.	1.8	27
174	A fully learnable context-driven object-based model for mapping land cover using multi-view data from unmanned aircraft systems. <i>Remote Sensing of Environment</i> , 2018, 216, 328-344.	4.6	20
175	Accuracy assessment technique for testing multiple sub-pixel mapping downscaling factors. <i>Remote Sensing Letters</i> , 2018, 9, 992-1001.	0.6	1
176	Automatic Semi-Global Artificial Shoreline Subpixel Localization Algorithm for Landsat Imagery. <i>Remote Sensing</i> , 2019, 11, 1779.	1.8	16
177	Principles and methods of scaling geospatial Earth science data. <i>Earth-Science Reviews</i> , 2019, 197, 102897.	4.0	66
178	A Super-Resolution Convolutional-Neural-Network-Based Approach for Subpixel Mapping of Hyperspectral Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4930-4939.	2.3	15
179	Dynamic simulation of land use change based on logistic-CA-Markov and WLC-CA-Markov models: a case study in three gorges reservoir area of Chongqing, China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20669-20688.	2.7	67
180	Integrating a scale-invariant feature of fractal geometry into the Hopfield neural network for super-resolution mapping. <i>International Journal of Remote Sensing</i> , 2019, , 1-22.	1.3	7

#	ARTICLE	IF	CITATIONS
181	Spatialâ€‘Temporal Super-Resolution Land Cover Mapping With a Local Spatialâ€‘Temporal Dependence Model. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4951-4966.	2.7	11
182	Optimal Endmember-Based Super-Resolution Land Cover Mapping. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1279-1283.	1.4	6
183	Multiobjective Sparse Subpixel Mapping for Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4490-4508.	2.7	15
184	Mapping annual forest cover by fusing PALSAR/PALSAR-2 and MODIS NDVI during 2007â€‘2016. Remote Sensing of Environment, 2019, 224, 74-91.	4.6	52
185	Unsupervised Sub-Pixel Water Body Mapping with Sentinel-3 OLCI Image. Remote Sensing, 2019, 11, 327.	1.8	29
186	A Sub-Pixel Mapping Method Based on Logistic Regression and Pixel-Swapping Model. , 2019, , .		1
187	Winter wheat identification by integrating spectral and temporal information derived from multi-resolution remote sensing data. Journal of Integrative Agriculture, 2019, 18, 2628-2643.	1.7	17
188	Spatiotemporal Subpixel Geographical Evolution Mapping. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2198-2220.	2.7	12
189	Identification and mapping of winter wheat by integrating temporal change information and Kullbackâ€‘Leibler divergence. International Journal of Applied Earth Observation and Geoinformation, 2019, 76, 26-39.	1.4	26
190	Reducing the impacts of intra-class spectral variability on the accuracy of soft classification and super-resolution mapping of shoreline. International Journal of Remote Sensing, 2019, 40, 3384-3400.	1.3	1
191	Evaluation of ForestPA for VHR RS image classification using spectral and superpixel-guided morphological profiles. European Journal of Remote Sensing, 2019, 52, 107-121.	1.7	6
192	Remote sensing images super-resolution with deep convolution networks. Multimedia Tools and Applications, 2020, 79, 8985-9001.	2.6	25
193	A robust spectral-spatial approach to identifying heterogeneous crops using remote sensing imagery with high spectral and spatial resolutions. Remote Sensing of Environment, 2020, 239, 111605.	4.6	65
194	Super resolution land cover mapping of hyperspectral images using the deep image prior-based approach. International Journal of Remote Sensing, 2020, 41, 2818-2834.	1.3	21
195	Social Sensing for Urban Land Use Identification. ISPRS International Journal of Geo-Information, 2020, 9, 550.	1.4	8
196	Water Body Extraction from Sentinel-3 Image with Multiscale Spatiotemporal Super-Resolution Mapping. Water (Switzerland), 2020, 12, 2605.	1.2	14
197	Spatiotemporal Fusion in Remote Sensing. , 0, , .		5
198	Fine Extraction of Water Boundaries Based on an Improved Subpixel Mapping Algorithm. IEEE Access, 2020, 8, 179203-179212.	2.6	1

#	ARTICLE	IF	CITATIONS
199	Multiobjective Subpixel Mapping With Multiple Shifted Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8176-8191.	2.7	12
200	Sub-pixel mapping with point constraints. Remote Sensing of Environment, 2020, 244, 111817.	4.6	22
201	Assessing environmental impacts of urban growth using remote sensing. Geo-Spatial Information Science, 2020, 23, 20-39.	2.4	37
202	Mapping mangrove forest using Landsat 8 to support estimation of land-based emissions in Kenya. Modeling Earth Systems and Environment, 2020, 6, 1619-1632.	1.9	2
203	Unsupervised Bayesian Subpixel Mapping of Hyperspectral Imagery Based on Band-Weighted Discrete Spectral Mixture Model and Markov Random Field. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 162-166.	1.4	10
204	Quality Assessment of the Contributed Land Use Information from OpenStreetMap Versus Authoritative Datasets. Lecture Notes in Geoinformation and Cartography, 2015, , 37-58.	0.5	57
205	Subpixel Target Enhancement in Hyperspectral Images. Defence Science Journal, 2013, 63, 63-68.	0.5	8
206	Spatio-Temporal Sub-Pixel Land Cover Mapping of Remote Sensing Imagery Using Spatial Distribution Information From Same-Class Pixels. Remote Sensing, 2020, 12, 503.	1.8	6
207	A COMPARISON OF SUB-PIXEL MAPPING METHODS FOR COASTAL AREAS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, III-7, 67-74.	0.0	6
208	Improved adaptive Markov random field based super-resolution mapping for mangrove tree identification. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-8, 61-68.	0.0	3
209	ADVANCES IN HYPERSPECTRAL AND MULTISPECTRAL IMAGE FUSION AND SPECTRAL UNMIXING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 451-458.	0.2	13
210	IMPROVING MARKOV RANDOM FIELD BASED SUPER RESOLUTION MAPPING THROUGH FUZZY PARAMETER INTEGRATION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, I-7, 183-189.	0.0	0
211	Suitability of Markov Random Field-Based Method for Super-Resolution Land Cover Mapping. Geoinformatics & Geostatistics an Overview, 2013, s1, .	0.2	1
212	Enhancing the Locational Perception of Soft Classified Satellite Imagery Through Evaluation and Development of the Pixel Swapping Technique. Lecture Notes in Geoinformation and Cartography, 2014, , 63-77.	0.5	0
213	A Joint Spectral Unmixing and Subpixel Mapping Framework Based on Multiobjective Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	7
214	Spatial sampling, data models, spatial scale and ontologies: Interpreting spatial statistics and machine learning applied to satellite optical remote sensing. Spatial Statistics, 2022, 50, 100646.	0.9	4
215	Generating continuous fine-scale land cover mapping by edge-guided maximum a posteriori based spatiotemporal sub-pixel mapping. Science of Remote Sensing, 2022, 5, 100041.	2.2	1
216	Water Body Super-Resolution Mapping Based on Multiple Endmember Spectral Mixture Analysis and Multiscale Spatio-Temporal Dependence. Remote Sensing, 2022, 14, 2050.	1.8	5

#	ARTICLE	IF	CITATIONS
217	A sub-pixel mapping method based on BPNN and improved sub-pixel swapping model. , 2022, , .		0
218	Bayesian Subpixel Mapping of Hyperspectral Imagery via Discrete Endmember Variability Mixture Model and Markov Random Field. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 6506-6517.	2.3	2
219	Hyperparameter estimation using a resolution matrix for Bayesian sensing. Inverse Problems, 2022, 38, 124004.	1.0	2
220	Comparative Analysis of the Performance of Complex Texture Clustering Driven by Computational Intelligence Methods Using Multiple Clustering Models. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	1
221	Generating annual high resolution land cover products for 28 metropolises in China based on a deep super-resolution mapping network using Landsat imagery. GIScience and Remote Sensing, 2022, 59, 2036-2067.	2.4	42
222	Spectralâ€“Spatial Generative Adversarial Network for Super-Resolution Land Cover Mapping With Multispectral Remotely Sensed Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 522-537.	2.3	2
223	Subpixel Mapping for Remote Sensing Imagery Based on Spatial Adaptive Attraction Model and Conditional Random Fields. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 1624-1640.	2.3	0
224	Dual-branche attention network for super-resolution of remote sensing images. International Journal of Remote Sensing, 2023, 44, 492-516.	1.3	2
225	Forest Fire Smoke Detection Research Based on the Random Forest Algorithm and Sub-Pixel Mapping Method. Forests, 2023, 14, 485.	0.9	5
226	An object-based image analysis approach for comparing tree detection from satellite imagery at different scales; A case study in Sukumba Mali. Remote Sensing Applications: Society and Environment, 2023, 30, 100960.	0.8	0
227	Sub-Pixel Surface Water Mapping for Heterogeneous Areas from Sentinel-2 Images: A Case Study in the Jinshui Basin, China. Water (Switzerland), 2023, 15, 1446.	1.2	3
228	An Optimal Fluid Optical Flow Registration for Super-resolution with LamÃ© Parameters Learning. Journal of Optimization Theory and Applications, 0, , .	0.8	0