Wenzhong Shi

List of Publications by Year in descending order

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275 papers 8,705 citations

45 h-index 80 g-index

279 all docs

279 docs citations

times ranked

279

7570 citing authors

#	Article	IF	Citations
1	Metal contamination in urban, suburban, and country park soils of Hong Kong: A study based on GIS and multivariate statistics. Science of the Total Environment, 2006, 356, 45-61.	8.0	887
2	The study of metal contamination in urban soils of Hong Kong using a GIS-based approach. Environmental Pollution, 2004, 129, 113-124.	7.5	408
3	Change Detection Based on Artificial Intelligence: State-of-the-Art and Challenges. Remote Sensing, 2020, 12, 1688.	4.0	285
4	Wavelet-based image fusion and quality assessment. International Journal of Applied Earth Observation and Geoinformation, 2005, 6, 241-251.	2.8	181
5	An Integrated Method for Urban Main-Road Centerline Extraction From Optical Remotely Sensed Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3359-3372.	6.3	164
6	Fusion of Sentinel-2 images. Remote Sensing of Environment, 2016, 187, 241-252.	11.0	163
7	A Feature Difference Convolutional Neural Network-Based Change Detection Method. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7232-7246.	6.3	160
8	Quality assessment for geoâ€spatial objects derived from remotely sensed data. International Journal of Remote Sensing, 2005, 26, 2953-2974.	2.9	154
9	Topological models and frameworks for 3D spatial objects. Computers and Geosciences, 2004, 30, 419-428.	4.2	135
10	Confidence Analysis of Standard Deviational Ellipse and Its Extension into Higher Dimensional Euclidean Space. PLoS ONE, 2015, 10, e0118537.	2.5	128
11	Downscaling MODIS images with area-to-point regression kriging. Remote Sensing of Environment, 2015, 166, 191-204.	11.0	126
12	Land-use/land-cover change and its influence on surface temperature: a case study in Beijing City. International Journal of Remote Sensing, 2013, 34, 5503-5517.	2.9	125
13	Landslide mapping from aerial photographs using change detection-based Markov random field. Remote Sensing of Environment, 2016, 187, 76-90.	11.0	112
14	Road Centerline Extraction From High-Resolution Imagery Based on Shape Features and Multivariate Adaptive Regression Splines. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 583-587.	3.1	109
15	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
16	Performance Evaluation of Line Simplification Algorithms for Vector Generalization. Cartographic Journal, 2006, 43, 27-44.	1.5	97
17	Development of Voronoi-based cellular automata -an integrated dynamic model for Geographical Information Systems. International Journal of Geographical Information Science, 2000, 14, 455-474.	4.8	96
18	Examining the sensitivity of spatial scale in cellular automata Markov chain simulation of land use change. International Journal of Geographical Information Science, 2019, 33, 1040-1061.	4.8	95

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19	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
20	A stochastic process-based model for the positional error of line segments in GIS. International Journal of Geographical Information Science, 2000, 14, 51-66.	4.8	90
21	A generic statistical approach for modelling error of geometric features in GIS. International Journal of Geographical Information Science, 1998, 12, 131-143.	4.8	87
22	Landslide Inventory Mapping From Bitemporal High-Resolution Remote Sensing Images Using Change Detection and Multiscale Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1520-1532.	4.9	87
23	Thirty Years of Research on Spatial Data Quality: Achievements, Failures, and Opportunities. Transactions in GIS, 2010, 14, 387-400.	2.3	84
24	A Semi-Automatic Method for Road Centerline Extraction From VHR Images. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1856-1860.	3.1	79
25	Unsupervised Change Detection With Expectation-Maximization-Based Level Set. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 210-214.	3.1	77
26	The line segment match method for extracting road network from high-resolution satellite images. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 511-514.	6.3	74
27	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
28	Landslide Recognition by Deep Convolutional Neural Network and Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4654-4672.	6.3	68
29	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
30	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
31	FSDAF 2.0: Improving the performance of retrieving land cover changes and preserving spatial details. Remote Sensing of Environment, 2020, 248, 111973.	11.0	65
32	Change Detection Based on Gabor Wavelet Features for Very High Resolution Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 783-787.	3.1	63
33	Spectral–Spatial Classification and Shape Features for Urban Road Centerline Extraction. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 788-792.	3.1	62
34	Spatiotemporal influence of temperature, air quality, and urban environment on cause-specific mortality during hazy days. Environment International, 2018, 112, 10-22.	10.0	62
35	Dynamic routing model and solution methods for fleet management with mobile technologies. International Journal of Production Economics, 2008, 113, 694-705.	8.9	61
36	Novel Approach to Unsupervised Change Detection Based on a Robust Semi-Supervised FCM Clustering Algorithm. Remote Sensing, 2016, 8, 264.	4.0	61

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37	Area-to-point regression kriging for pan-sharpening. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 114, 151-165.	11.1	60
38	An Object-Based Method for Road Network Extraction in VHR Satellite Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4853-4862.	4.9	58
39	Remote Sensing Image Classification Based on Stacked Denoising Autoencoder. Remote Sensing, 2018, 10, 16.	4.0	58
40	Computing the fuzzy topological relations of spatial objects based on induced fuzzy topology. International Journal of Geographical Information Science, 2006, 20, 857-883.	4.8	54
41	Unsupervised change detection using fuzzy <i>c</i> -means and MRF from remotely sensed images. Remote Sensing Letters, 2013, 4, 1185-1194.	1.4	52
42	A Spatial-Temporal Interpretable Deep Learning Model for improving interpretability and predictive accuracy of satellite-based PM2.5. Environmental Pollution, 2021, 273, 116459.	7. 5	51
43	Multi-Band Wavelet for Fusing SPOT Panchromatic and Multispectral Images. Photogrammetric Engineering and Remote Sensing, 2003, 69, 513-520.	0.6	49
44	A fuzzy topology for computing the interior, boundary, and exterior of spatial objects quantitatively in GIS. Computers and Geosciences, 2007, 33, 898-915.	4.2	48
45	Indicator Cokriging-Based Subpixel Mapping Without Prior Spatial Structure Information. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 309-323.	6.3	48
46	A fuzzy topology-based maximum likelihood classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 103-114.	11.1	47
47	A Random Forests classification method for urban land-use mapping integrating spatial metrics and texture analysis. International Journal of Remote Sensing, 2018, 39, 1175-1198.	2.9	46
48	Evaluation and Comparison of Himawari-8 L2 V1.0, V2.1 and MODIS C6.1 aerosol products over Asia and the oceania regions. Atmospheric Environment, 2020, 220, 117068.	4.1	45
49	A probability-based multi-measure feature matching method in map conflation. International Journal of Remote Sensing, 2009, 30, 5453-5472.	2.9	44
50	Fast Subpixel Mapping Algorithms for Subpixel Resolution Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1692-1706.	6.3	44
51	Accuracy Assessment Measures for Object Extraction from Remote Sensing Images. Remote Sensing, 2018, 10, 303.	4.0	43
52	A data-mining approach to determine the spatio-temporal relationship between environmental factors and fish distribution. Ecological Modelling, 2004, 174, 421-431.	2.5	42
53	A minimum albedo aerosol retrieval method for the new-generation geostationary meteorological satellite Himawari-8. Atmospheric Research, 2018, 207, 14-27.	4.1	40
54	An object-oriented data model for complex objects in three-dimensional geographical information systems. International Journal of Geographical Information Science, 2003, 17, 411-430.	4.8	39

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55	A New Geostatistical Solution to Remote Sensing Image Downscaling. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 386-396.	6.3	39
56	Monitoring of Land Use/Land Cover and Socioeconomic Changes in South China over the Last Three Decades Using Landsat and Nighttime Light Data. Remote Sensing, 2019, 11, 1658.	4.0	39
57	A reliable and adaptive spatiotemporal data fusion method for blending multi-spatiotemporal-resolution satellite images. Remote Sensing of Environment, 2022, 268, 112770.	11.0	39
58	Satellite-based PM2.5 estimation using fine-mode aerosol optical thickness over China. Atmospheric Environment, 2017, 170, 290-302.	4.1	38
59	Robust M–M unscented Kalman filtering for GPS/IMU navigation. Journal of Geodesy, 2019, 93, 1093-1104.	3.6	38
60	Semantic Geometric Modelling of Unstructured Indoor Point Cloud. ISPRS International Journal of Geo-Information, 2019, 8, 9.	2.9	38
61	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
62	Comparison of Unscented and Extended Kalman Filters with Application in Vehicle Navigation. Journal of Navigation, 2017, 70, 411-431.	1.7	37
63	Categorisation of cultural tourism attractions by tourist preference using location-based social network data: The case of Central, Hong Kong. Tourism Management, 2022, 90, 104488.	9.8	37
64	A new method of pseudo absence data generation in landslide susceptibility mapping with a case study of Shenzhen. Science China Technological Sciences, 2010, 53, 75-84.	4.0	35
65	Exploring traffic congestion correlation from multiple data sources. Pervasive and Mobile Computing, 2017, 41, 470-483.	3.3	35
66	Modelling error propagation in vector-based buffer analysis. International Journal of Geographical Information Science, 2003, 17, 251-271.	4.8	34
67	Analysis of Airborne Particulate Matter (PM2.5) over Hong Kong Using Remote Sensing and GIS. Sensors, 2012, 12, 6825-6836.	3.8	34
68	Estimation and analysis of emissions from on-road vehicles in Mainland China for the period $2011\hat{a}\in 2015$. Atmospheric Environment, 2018, 191, 500-512.	4.1	32
69	An empirical study on the intra-urban goods movement patterns using logistics big data. International Journal of Geographical Information Science, 2020, 34, 1089-1116.	4.8	32
70	The Lineâ€Based Transformation Model (LBTM) for imageâ€toâ€tmage registration of highâ€resolution satellite image data. International Journal of Remote Sensing, 2006, 27, 3001-3012.	2.9	31
71	A Method for Accurate Road Centerline Extraction From a Classified Image. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4762-4771.	4.9	31
72	Accuracy Analysis of Digital Elevation Model Relating to Spatial Resolution and Terrain Slope by Bilinear Interpolation. Mathematical Geosciences, 2014, 46, 445-481.	2.4	31

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73	Mapping dustfall distribution in urban areas using remote sensing and ground spectral data. Science of the Total Environment, 2015, 506-507, 604-612.	8.0	31
74	Estimation of average DEM accuracy under linear interpolation considering random error at the nodes of TIN model. International Journal of Remote Sensing, 2005, 26, 5509-5523.	2.9	30
75	Object-Based Spatial Feature for Classification of Very High Resolution Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1572-1576.	3.1	30
76	Utilizing Multiple Subpixel Shifted Images in Subpixel Mapping With Image Interpolation. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 798-802.	3.1	30
77	Correlational inference-based adaptive unscented Kalman filter with application in GNSS/IMU-integrated navigation. GPS Solutions, 2018, 22, 1.	4.3	30
78	Tracking and controlling the spatiotemporal spread of SARS-CoV-2 Omicron variant in South Africa. Travel Medicine and Infectious Disease, 2022, 46, 102252.	3.0	29
79	A Least Squares-Based Method for Adjusting the Boundaries of Area Objects. Photogrammetric Engineering and Remote Sensing, 2005, 71, 189-195.	0.6	28
80	An improved algorithm for retrieving the fine-mode fraction of aerosol optical thickness, part 1: Algorithm development. Remote Sensing of Environment, 2017, 192, 87-97.	11.0	28
81	Modeling Change-Pattern-Value Dynamics on Land Use: An Integrated GIS and Artificial Neural Networks Approach. Environmental Management, 2005, 36, 576-591.	2.7	27
82	Quantitative analysis of the projectile impact on rock using infrared thermography. International Journal of Impact Engineering, 2007, 34, 990-1002.	5.0	27
83	Cloud Model-Based Spatial Data Mining. Annals of GIS, 2003, 9, 60-70.	3.1	26
84	Local Spectrum-Trend Similarity Approach for Detecting Land-Cover Change by Using SPOT-5 Satellite Images. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 738-742.	3.1	26
85	An object-based image analysis for building seismic vulnerability assessment using high-resolution remote sensing imagery. Natural Hazards, 2014, 71, 151-174.	3.4	26
86	A novel dynamic threshold method for unsupervised change detection from remotely sensed images. Remote Sensing Letters, 2014, 5, 396-403.	1.4	26
87	Estimation of the Positional Uncertainty in Line Simplification in GIS. Cartographic Journal, 2004, 41, 37-45.	1.5	25
88	An Advanced Superpixel-Based Markov Random Field Model for Unsupervised Change Detection. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1401-1405.	3.1	25
89	Asymmetric Weighted Logistic Metric Learning for Hyperspectral Target Detection. IEEE Transactions on Cybernetics, 2022, 52, 11093-11106.	9.5	25
90	Adaptive mapped least squares SVM-based smooth fitting method for DSM generation of LIDAR data. International Journal of Remote Sensing, 2009, 30, 5669-5683.	2.9	24

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91	Spatiotemporal Subpixel Mapping of Time-Series Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5397-5411.	6.3	24
92	A comprehensive quality assessment framework for linear features from Volunteered Geographic Information. International Journal of Geographical Information Science, 0, , 1-22.	4.8	24
93	Correction to "Extracting Man-Made Objects From High Spatial Resolution Remote Sensing Images via Fast Level Set Evolutions―[Feb 15 883-899]. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5794-5794.	6.3	23
94	Examining the diffusion of coronavirus disease 2019 cases in a metropolis: a space syntax approach. International Journal of Health Geographics, 2021, 20, 17.	2.5	23
95	Development of a Process-Based Model for Dynamic Interaction in Spatio-Temporal GIS. GeoInformatica, 2002, 6, 323-344.	2.7	22
96	Unsupervised classification based on fuzzy <i>c</i> -means with uncertainty analysis. Remote Sensing Letters, 2013, 4, 1087-1096.	1.4	22
97	Precise 3D Indoor Localization and Trajectory Optimization Based on Sparse Wi-Fi FTM Anchors and Built-In Sensors. IEEE Transactions on Vehicular Technology, 2022, 71, 4042-4056.	6.3	22
98	Extended model of topological relations between spatial objects in geographic information systems. International Journal of Applied Earth Observation and Geoinformation, 2007, 9, 264-275.	2.8	21
99	A dynamic data model for mobile GIS. Computers and Geosciences, 2009, 35, 2210-2221.	4.2	21
100	Quantitative fuzzy topological relations of spatial objects by induced fuzzy topology. International Journal of Applied Earth Observation and Geoinformation, 2009, 11, 38-45.	2.8	21
101	Examining the Satellite-Detected Urban Land Use Spatial Patterns Using Multidimensional Fractal Dimension Indices. Remote Sensing, 2013, 5, 5152-5172.	4.0	21
102	A Multilevel Stratified Spatial Sampling Approach for the Quality Assessment of Remote-Sensing-Derived Products. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4699-4713.	4.9	21
103	Level set evolution with local uncertainty constraints for unsupervised change detection. Remote Sensing Letters, 2017, 8, 811-820.	1.4	21
104	Semi-Automatic System for Land Cover Change Detection Using Bi-Temporal Remote Sensing Images. Remote Sensing, 2017, 9, 1112.	4.0	21
105	A modified mean filter for improving the classification performance of very high-resolution remote-sensing imagery. International Journal of Remote Sensing, 2018, 39, 770-785.	2.9	21
106	Extraction of multi-scale landslide morphological features based on local G i * using airborne LiDAR-derived DEM. Geomorphology, 2018, 303, 229-242.	2.6	21
107	Method Based on Edge Constraint and Fast Marching for Road Centerline Extraction from Very High-Resolution Remote Sensing Images. Remote Sensing, 2018, 10, 900.	4.0	21
108	An extended Weight Kernel Density Estimation model forecasts COVID-19 onset risk and identifies spatiotemporal variations of lockdown effects in China. Communications Biology, 2021, 4, 126.	4.4	21

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109	An Accurate and Robust Region-Growing Algorithm for Plane Segmentation of TLS Point Clouds Using a Multiscale Tensor Voting Method. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4160-4168.	4.9	20
110	Constructing multi-resolution triangulated irregular network model for visualization. Computers and Geosciences, 2005, 31, 77-86.	4.2	19
111	Semiautomatic Airport Runway Extraction Using a Line-Finder-Aided Level Set Evolution. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4738-4749.	4.9	19
112	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
113	A wavelet-based hybrid approach to remove the flicker noise and the white noise from GPS coordinate time series. GPS Solutions, 2015, 19, 511-523.	4.3	19
114	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
115	Information Fusion for Urban Road Extraction From VHR Optical Satellite Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1817-1829.	4.9	19
116	Spatial variability of excess mortality during prolonged dust events in a high-density city: a time-stratified spatial regression approach. International Journal of Health Geographics, 2017, 16, 26.	2.5	19
117	Agriculture Phenology Monitoring Using NDVI Time Series Based on Remote Sensing Satellites: A Case Study of Guangdong, China. Optical Memory and Neural Networks (Information Optics), 2019, 28, 204-214.	1.0	19
118	An improved algorithm for retrieving the fine-mode fraction of aerosol optical thickness. Part 2: Application and validation in Asia. Remote Sensing of Environment, 2019, 222, 90-103.	11.0	19
119	Superior PM2.5 Estimation by Integrating Aerosol Fine Mode Data from the Himawari-8 Satellite in Deep and Classical Machine Learning Models. Remote Sensing, 2021, 13, 2779.	4.0	19
120	A statistical simulation model for positional error of line features in Geographic Information Systems (GIS). International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 136-148.	2.8	18
121	A method to detect earthquake-collapsed buildings from high-resolution satellite images. Remote Sensing Letters, 2013, 4, 1166-1175.	1.4	18
122	Robust methods for assessing the accuracy of linear interpolated DEM. International Journal of Applied Earth Observation and Geoinformation, 2015, 34, 198-206.	2.8	18
123	An Object-Based Change Detection Approach Using Uncertainty Analysis for VHR Images. Journal of Sensors, 2016, 2016, 1-17.	1.1	18
124	Analysis of Terrain Elevation Effects on Ikonos Imagery Rectification Accuracy by Using Non-Rigorous Models. Photogrammetric Engineering and Remote Sensing, 2003, 69, 1359-1366.	0.6	17
125	Fuzzy-Topology-Integrated Support Vector Machine for Remotely Sensed Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 850-862.	6.3	17
126	A new method of satellite-based haze aerosol monitoring over the North China Plain and a comparison with MODIS Collection 6 aerosol products. Atmospheric Research, 2016, 171, 31-40.	4.1	17

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127	Enhanced Spatially Constrained Remotely Sensed Imagery Classification Using a Fuzzy Local Double Neighborhood Information C-Means Clustering Algorithm. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2896-2910.	4.9	17
128	A spatio-temporal fusion method for remote sensing data Using a linear injection model and local neighbourhood information. International Journal of Remote Sensing, 2019, 40, 2965-2985.	2.9	17
129	Automatic Building Extraction via Adaptive Iterative Segmentation With LiDAR Data and High Spatial Resolution Imagery Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 2081-2095.	4.9	17
130	Simplified and Fast Atmospheric Radiative Transfer model for satellite-based aerosol optical depth retrieval. Atmospheric Environment, 2020, 224, 117362.	4.1	17
131	Fuzzy clustering validity for spatial data. Geo-Spatial Information Science, 2008, 11, 191-196.	5.3	16
132	A Fast Level Set Algorithm for Building Roof Recognition From High Spatial Resolution Panchromatic Images. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 743-747.	3.1	16
133	An object-based spatiotemporal fusion model for remote sensing images. European Journal of Remote Sensing, 2021, 54, 86-101.	3.5	16
134	Modeling Fuzzy Topological Relations Between Uncertain Objects in a GIS. Photogrammetric Engineering and Remote Sensing, 2004, 70, 921-929.	0.6	15
135	Modelling error propagation in vector-based overlay analysis. ISPRS Journal of Photogrammetry and Remote Sensing, 2004, 59, 47-59.	11.1	15
136	Introducing scale parameters for adjusting area objects in GIS based on least squares and variance component estimation. International Journal of Geographical Information Science, 2009, 23, 1413-1432.	4.8	15
137	Novel Object-Based Filter for Improving Land-Cover Classification of Aerial Imagery with Very High Spatial Resolution. Remote Sensing, 2016, 8, 1023.	4.0	15
138	Bioactive flavonoids from Flos Sophorae. Journal of Natural Medicines, 2017, 71, 513-522.	2.3	15
139	Short-Term Forecast of Bicycle Usage in Bike Sharing Systems: A Spatial-Temporal Memory Network. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10923-10934.	8.0	15
140	Unsupervised Change Detection Using Fuzzy Topology-Based Majority Voting. Remote Sensing, 2021, 13, 3171.	4.0	15
141	Assessment of the rectification accuracy of IKONOS imagery based on twoâ€dimensional models. International Journal of Remote Sensing, 2005, 26, 719-731.	2.9	14
142	Analysis of spatial distribution pattern of change-detection error caused by misregistration. International Journal of Remote Sensing, 2013, 34, 6883-6897.	2.9	14
143	Mining significant association rules from uncertain data. Data Mining and Knowledge Discovery, 2016, 30, 928-963.	3.7	14
144	Unsupervised change detection using spectral features and a texture difference measure for VHR remote-sensing images. International Journal of Remote Sensing, 2017, 38, 7302-7315.	2.9	14

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145	Recommending attractive thematic regions by semantic community detection with multi-sourced VGI data. International Journal of Geographical Information Science, 2019, 33, 1520-1544.	4.8	14
146	Detecting the regional delineation from a network of social media user interactions with spatial constraint: A case study of Shenzhen, China. Physica A: Statistical Mechanics and Its Applications, 2019, 531, 121719.	2.6	14
147	Land Cover Change Detection from High-Resolution Remote Sensing Imagery Using Multitemporal Deep Feature Collaborative Learning and a Semi-supervised Chan–Vese Model. Remote Sensing, 2019, 11, 2787.	4.0	14
148	Unveiling cabdrivers' dining behavior patterns for site selection of †taxi canteen' using taxi trajectory data. Transportmetrica A: Transport Science, 2020, 16, 137-160.	2.0	14
149	RegNet: a neural network model for predicting regional desirability with VGI data. International Journal of Geographical Information Science, 2021, 35, 175-192.	4.8	14
150	A Fuzzy-Topology-Based Area Object Extraction Method. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 147-154.	6.3	13
151	A New Binary Encoding Algorithm for the Simultaneous Region-based Classification of Hyperspectral Data and Digital Surface Models. Photogrammetrie, Fernerkundung, Geoinformation, 2011, 2011, 17-33.	1.2	13
152	Classification of Very High Spatial Resolution Imagery Based on a New Pixel Shape Feature Set. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 940-944.	3.1	13
153	Advanced Markov random field model based on local uncertainty for unsupervised change detection. Remote Sensing Letters, 2015, 6, 667-676.	1.4	13
154	Object-oriented change detection method based on adaptive multi-method combination for remote-sensing images. International Journal of Remote Sensing, 2016, 37, 5457-5471.	2.9	13
155	Fuzzy topology–based method for unsupervised change detection. Remote Sensing Letters, 2016, 7, 81-90.	1.4	13
156	Challenges and Prospects of Uncertainties in Spatial Big Data Analytics. Annals of the American Association of Geographers, 2018, 108, 1513-1520.	2.2	13
157	Analysis of the performance and robustness of methods to detect base locations of individuals with geo-tagged social media data. International Journal of Geographical Information Science, 2021, 35, 609-627.	4.8	13
158	CGSANet: A Contour-Guided and Local Structure-Aware Encoder–Decoder Network for Accurate Building Extraction From Very High-Resolution Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1526-1542.	4.9	13
159	Integration of fire simulation and structural analysis for safety evaluation of gymnasiums—With a case study of gymnasium for Olympic Games in 2008. Automation in Construction, 2007, 16, 277-289.	9.8	12
160	Identification of multi-scale corresponding object-set pairs between two polygon datasets with hierarchical co-clustering. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 88, 60-68.	11.1	12
161	The Generalized-Line-Based Iterative Transformation Model for Imagery Registration and Rectification. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1394-1398.	3.1	12
162	STLP-GSM: a method to predict future locations of individuals based on geotagged social media data. International Journal of Geographical Information Science, 2019, 33, 2337-2362.	4.8	12

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163	Mining significant fuzzy association rules with differential evolution algorithm. Applied Soft Computing Journal, 2020, 97, 105518.	7.2	12
164	A Two-Phase Clustering Approach for Urban Hotspot Detection With Spatiotemporal and Network Constraints. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3695-3705.	4.9	12
165	Deep Multiple Instance Learning for Landslide Mapping. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1711-1715.	3.1	12
166	The fine-scale associations between socioeconomic status, density, functionality, and spread of COVID-19 within a high-density city. BMC Infectious Diseases, 2022, 22, 274.	2.9	12
167	A Probability-based Uncertainty Model for Point-in-Polygon Analysis in GIS. GeoInformatica, 2004, 8, 71-98.	2.7	11
168	Positional error modeling for line simplification based on automatic shape similarity analysis in GIS. Computers and Geosciences, 2006, 32, 462-475.	4.2	11
169	Modeling uncertainty in geographic information and analysis. Science in China Series D: Earth Sciences, 2008, 51, 38-47.	0.9	11
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