

Wenzhong Shi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3027412/wenzhong-shi-publications-by-year.pdf>

Version: 2024-04-18

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

267
papers

6,239
citations

39
h-index

68
g-index

279
ext. papers

7,341
ext. citations

4.6
avg, IF

6.44
L-index

#	Paper	IF	Citations
267	Precise 3D Indoor Localization and Trajectory Optimization Based on Sparse Wi-Fi FTM Anchors and Built-in Sensors. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	4
266	Novel model for predicting individuals' movements in dynamic regions of interest. <i>GIScience and Remote Sensing</i> , 2022 , 59, 250-271	4.8	1
265	Landslide Trail Extraction Using Fire Extinguishing Model. <i>Remote Sensing</i> , 2022 , 14, 308	5	
264	Reference-free method for investigating classification uncertainty in large-scale land cover datasets. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022 , 107, 102673	7.3	
263	Categorisation of cultural tourism attractions by tourist preference using location-based social network data: The case of Central, Hong Kong. <i>Tourism Management</i> , 2022 , 90, 104488	10.8	3
262	A reliable and adaptive spatiotemporal data fusion method for blending multi-spatiotemporal-resolution satellite images. <i>Remote Sensing of Environment</i> , 2022 , 268, 112770	13.2	5
261	The fine-scale associations between socioeconomic status, density, functionality, and spread of COVID-19 within a high-density city.. <i>BMC Infectious Diseases</i> , 2022 , 22, 274	4	3
260	Tracking and controlling the spatiotemporal spread of SARS-CoV-2 Omicron variant in South Africa.. <i>Travel Medicine and Infectious Disease</i> , 2021 , 46, 102252	8.4	6
259	Tracking and Controlling the Spatiotemporal Spread of SARS-CoV-2 Lineage B.1.1.7 in COVID-19 Reopenings.. <i>GeoHealth</i> , 2021 , 5, e2021GH000517	5	4
258	Novel Framework for 3D Road Extraction Based on Airborne LiDAR and High-Resolution Remote Sensing Imagery. <i>Remote Sensing</i> , 2021 , 13, 4766	5	3
257	CGSANet: A contour-guided and local structure-aware encoder-decoder network for accurate building extraction from very high-resolution remote sensing imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 1-1	4.7	2
256	A Spatial-Temporal Interpretable Deep Learning Model for improving interpretability and predictive accuracy of satellite-based PM. <i>Environmental Pollution</i> , 2021 , 273, 116459	9.3	24
255	Examining the diffusion of coronavirus disease 2019 cases in a metropolis: a space syntax approach. <i>International Journal of Health Geographics</i> , 2021 , 20, 17	3.5	6
254	A Proposed Framework for Identification of Indicators to Model High-Frequency Cities. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 317	2.9	2
253	Landslide Recognition by Deep Convolutional Neural Network and Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 4654-4672	8.1	26
252	RegNet: a neural network model for predicting regional desirability with VGI data. <i>International Journal of Geographical Information Science</i> , 2021 , 35, 175-192	4.1	4
251	An adaptive approach for modelling the movement uncertainty in trajectory data based on the concept of error ellipses. <i>International Journal of Geographical Information Science</i> , 2021 , 35, 1131-1154	4.1	0

250	Analysis of the performance and robustness of methods to detect base locations of individuals with geo-tagged social media data. <i>International Journal of Geographical Information Science</i> , 2021 , 35, 609-627	4.1	3
249	A Two-Phase Clustering Approach for Urban Hotspot Detection With Spatiotemporal and Network Constraints. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 3695-3705	4.7	4
248	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 1-1	4.7	1
247	An object-based spatiotemporal fusion model for remote sensing images. <i>European Journal of Remote Sensing</i> , 2021 , 54, 86-101	2.9	4
246	Short-Term Forecast of Bicycle Usage in Bike Sharing Systems: A Spatial-Temporal Memory Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	5
245	Subpixel Change Detection Based on Radial Basis Function with Abundance Image Difference Measure for Remote Sensing Images. <i>Remote Sensing</i> , 2021 , 13, 868	5	2
244	Superior PM2.5 Estimation by Integrating Aerosol Fine Mode Data from the Himawari-8 Satellite in Deep and Classical Machine Learning Models. <i>Remote Sensing</i> , 2021 , 13, 2779	5	6
243	Unsupervised Change Detection Using Fuzzy Topology-Based Majority Voting. <i>Remote Sensing</i> , 2021 , 13, 3171	5	4
242	A spatial and dynamic solution for allocation of COVID-19 vaccines when supply is limited. <i>Communications Medicine</i> , 2021 , 1,		3
241	Detecting home countries of social media users with machine-learned ranking approach: A case study in Hong Kong. <i>Applied Geography</i> , 2021 , 134, 102532	4.4	0
240	Deep Multiple Instance Learning for Landslide Mapping. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021 , 18, 1711-1715	4.1	4
239	Tree-based ensemble deep learning model for spatiotemporal surface ozone (O3) prediction and interpretation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 103, 102516	7.3	2
238	An extended Weight Kernel Density Estimation model forecasts COVID-19 onset risk and identifies spatiotemporal variations of lockdown effects in China. <i>Communications Biology</i> , 2021 , 4, 126	6.7	11
237	Asymmetric Weighted Logistic Metric Learning for Hyperspectral Target Detection. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	9
236	An empirical analysis of public transit networks using smart card data in Beijing, China. <i>Geocarto International</i> , 2020 , 1-21	2.7	2
235	Automatic Building Extraction via Adaptive Iterative Segmentation With LiDAR Data and High Spatial Resolution Imagery Fusion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 2081-2095	4.7	11
234	Change Detection Based on Artificial Intelligence: State-of-the-Art and Challenges. <i>Remote Sensing</i> , 2020 , 12, 1688	5	113
233	Simplified and Fast Atmospheric Radiative Transfer model for satellite-based aerosol optical depth retrieval. <i>Atmospheric Environment</i> , 2020 , 224, 117362	5.3	6

232	A Feature Difference Convolutional Neural Network-Based Change Detection Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 7232-7246	8.1	73
231	Evaluation and Comparison of Himawari-8 L2 V1.0, V2.1 and MODIS C6.1 aerosol products over Asia and the oecania regions. <i>Atmospheric Environment</i> , 2020 , 220, 117068	5.3	27
230	Information Loss-Guided Multi-Resolution Image Fusion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 45-57	8.1	9
229	An Advanced Superpixel-Based Markov Random Field Model for Unsupervised Change Detection. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1401-1405	4.1	12
228	A comprehensive quality assessment framework for linear features from Volunteered Geographic Information. <i>International Journal of Geographical Information Science</i> , 2020 , 1-22	4.1	15
227	FSDAF 2.0: Improving the performance of retrieving land cover changes and preserving spatial details. <i>Remote Sensing of Environment</i> , 2020 , 248, 111973	13.2	27
226	An empirical study on the intra-urban goods movement patterns using logistics big data. <i>International Journal of Geographical Information Science</i> , 2020 , 34, 1089-1116	4.1	18
225	Mining significant fuzzy association rules with differential evolution algorithm. <i>Applied Soft Computing Journal</i> , 2020 , 97, 105518	7.5	5
224	Unveiling cabdrivers' driving behavior patterns for site selection of taxi canteen using taxi trajectory data. <i>Transportmetrica A: Transport Science</i> , 2020 , 16, 137-160	2.5	11
223	Agriculture Phenology Monitoring Using NDVI Time Series Based on Remote Sensing Satellites: A Case Study of Guangdong, China. <i>Optical Memory and Neural Networks (Information Optics)</i> , 2019 , 28, 204-214	0.7	11
222	Robust MM unscented Kalman filtering for GPS/IMU navigation. <i>Journal of Geodesy</i> , 2019 , 93, 1093-1104	4.5	17
221	Recommending attractive thematic regions by semantic community detection with multi-sourced VGI data. <i>International Journal of Geographical Information Science</i> , 2019 , 33, 1520-1544	4.1	2
220	Detecting the regional delineation from a network of social media user interactions with spatial constraint: A case study of Shenzhen, China. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 531, 121719	3.3	9
219	Characteristics of atmospheric fungi in particle growth events along with new particle formation in the central North China Plain. <i>Science of the Total Environment</i> , 2019 , 683, 389-398	10.2	2
218	Use of colour transformation and the geodesic method for road centreline extraction from VHR satellite images. <i>International Journal of Remote Sensing</i> , 2019 , 40, 4043-4058	3.1	3
217	Examining the sensitivity of spatial scale in cellular automata Markov chain simulation of land use change. <i>International Journal of Geographical Information Science</i> , 2019 , 33, 1040-1061	4.1	58
216	Reference-Free Measurement of the Classification Reliability of Vector-Based Land Cover Mapping. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1090-1094	4.1	2
215	Integration of Satellite Images and Open Data for Impervious Surface Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 1120-1133	4.7	6

214	A novel change detection approach for VHR remote sensing images by integrating multi-scale features. <i>International Journal of Remote Sensing</i> , 2019 , 40, 4910-4933	3.1	4
213	Customer attractiveness evaluation and classification of urban commercial centers by crowd intelligence. <i>Computers in Human Behavior</i> , 2019 , 100, 218-230	7.7	4
212	Monitoring of Land Use/Land Cover and Socioeconomic Changes in South China over the Last Three Decades Using Landsat and Nighttime Light Data. <i>Remote Sensing</i> , 2019 , 11, 1658	5	20
211	STLP-GSM: a method to predict future locations of individuals based on geotagged social media data. <i>International Journal of Geographical Information Science</i> , 2019 , 33, 2337-2362	4.1	8
210	Deriving a Forest Cover Map in Kyrgyzstan Using a Hybrid Fusion Strategy. <i>Remote Sensing</i> , 2019 , 11, 2325	5	4
209	Robust Multisource Remote Sensing Image Registration Method Based on Scene Shape Similarity. <i>Photogrammetric Engineering and Remote Sensing</i> , 2019 , 85, 725-736	1.6	3
208	An Accurate and Robust Region-Growing Algorithm for Plane Segmentation of TLS Point Clouds Using a Multiscale Tensor Voting Method. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 4160-4168	4.7	9
207	A Novel Method for Plane Extraction from Low-Resolution Inhomogeneous Point Clouds and its Application to a Customized Low-Cost Mobile Mapping System. <i>Remote Sensing</i> , 2019 , 11, 2789	5	8
206	Uncertainty Assessment in Multitemporal Land Use/Cover Mapping with Classification System Semantic Heterogeneity. <i>Remote Sensing</i> , 2019 , 11, 2509	5	5
205	Land Cover Change Detection from High-Resolution Remote Sensing Imagery Using Multitemporal Deep Feature Collaborative Learning and a Semi-supervised Chinese Model. <i>Remote Sensing</i> , 2019 , 11, 2787	5	9
204	A spatio-temporal fusion method for remote sensing data Using a linear injection model and local neighbourhood information. <i>International Journal of Remote Sensing</i> , 2019 , 40, 2965-2985	3.1	9
203	An improved algorithm for retrieving the fine-mode fraction of aerosol optical thickness. Part 2: Application and validation in Asia. <i>Remote Sensing of Environment</i> , 2019 , 222, 90-103	13.2	15
202	Semantic Geometric Modelling of Unstructured Indoor Point Cloud. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 9	2.9	19
201	Uncertainty modelling and analysis of volume calculations based on a regular grid digital elevation model (DEM). <i>Computers and Geosciences</i> , 2018 , 114, 117-129	4.5	6
200	A minimum albedo aerosol retrieval method for the new-generation geostationary meteorological satellite Himawari-8. <i>Atmospheric Research</i> , 2018 , 207, 14-27	5.4	35
199	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 1520-1532	4.7	59
198	Mining significant crisp-fuzzy spatial association rules. <i>International Journal of Geographical Information Science</i> , 2018 , 32, 1247-1270	4.1	5
197	An adaptive spatially constrained fuzzy c-means algorithm for multispectral remotely sensed imagery clustering. <i>International Journal of Remote Sensing</i> , 2018 , 39, 2207-2237	3.1	9

196	Uncertainty modeling and analysis of surface area calculation based on a regular grid digital elevation model (DEM). <i>International Journal of Geographical Information Science</i> , 2018 , 32, 1837-1859	4.1	2
195	Enhancing spectral unmixing by considering the point spread function effect. <i>Spatial Statistics</i> , 2018 , 28, 271-283	2.2	8
194	A modified mean filter for improving the classification performance of very high-resolution remote-sensing imagery. <i>International Journal of Remote Sensing</i> , 2018 , 39, 770-785	3.1	16
193	Enhanced Spatially Constrained Remotely Sensed Imagery Classification Using a Fuzzy Local Double Neighborhood Information C-Means Clustering Algorithm. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 2896-2910	4.7	13
192	Remote Sensing Image Classification Based on Stacked Denoising Autoencoder. <i>Remote Sensing</i> , 2018 , 10, 16	5	39
191	Method Based on Edge Constraint and Fast Marching for Road Centerline Extraction from Very High-Resolution Remote Sensing Images. <i>Remote Sensing</i> , 2018 , 10, 900	5	16
190	A Computational Model of Watermark Algorithmic Robustness Capable of Resisting Image Cropping for Remote Sensing Images. <i>Sensors</i> , 2018 , 18,	3.8	1
189	A quantitative investigation of the uncertainty associated with mapping scale in the production of land-cover/land-use data. <i>International Journal of Remote Sensing</i> , 2018 , 39, 8798-8817	3.1	
188	Correlational inference-based adaptive unscented Kalman filter with application in GNSS/IMU-integrated navigation. <i>GPS Solutions</i> , 2018 , 22, 1	4.4	24
187	Challenges and Prospects of Uncertainties in Spatial Big Data Analytics. <i>Annals of the American Association of Geographers</i> , 2018 , 108, 1513-1520	2.6	8
186	Accuracy Assessment Measures for Object Extraction from Remote Sensing Images. <i>Remote Sensing</i> , 2018 , 10, 303	5	33
185	Estimation and analysis of emissions from on-road vehicles in Mainland China for the period 2011-2015. <i>Atmospheric Environment</i> , 2018 , 191, 500-512	5.3	16
184	Spatiotemporal influence of temperature, air quality, and urban environment on cause-specific mortality during hazy days. <i>Environment International</i> , 2018 , 112, 10-22	12.9	47
183	Extraction of multi-scale landslide morphological features based on local G i * using airborne LiDAR-derived DEM. <i>Geomorphology</i> , 2018 , 303, 229-242	4.3	17
182	A Random Forests classification method for urban land-use mapping integrating spatial metrics and texture analysis. <i>International Journal of Remote Sensing</i> , 2018 , 39, 1175-1198	3.1	32
181	Measuring the Spatial Relationship Information of Multi-Layered Vector Data. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 88	2.9	6
180	Towards Detecting Social Events by Mining Geographical Patterns with VGI Data. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 481	2.9	1
179	Modeling Complex Building Structure (LoD2) Using Image-Based Point Cloud 2018 ,		1

178	A Multi-Feature Fusion-Based Change Detection Method for Remote Sensing Images 2018 , 46, 2015-2022	5
177	Indicator-Kriging-Integrated Evidence Theory for Unsupervised Change Detection in Remotely Sensed Imagery. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 4649-4663	4.7 4
176	Adaptive superpixel based Markov random field model for unsupervised change detection using remotely sensed images. <i>Remote Sensing Letters</i> , 2018 , 9, 724-732	2.3 4
175	Approximate Area-to-Point Regression Kriging for Fast Hyperspectral Image Sharpening. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 286-295	4.7 7
174	Bioactive diarylheptanoids and stilbenes from the rhizomes of <i>Dioscorea septemloba</i> Thunb. <i>Fitoterapia</i> , 2017 , 117, 28-33	3.2 9
173	An improved algorithm for retrieving the fine-mode fraction of aerosol optical thickness, part 1: Algorithm development. <i>Remote Sensing of Environment</i> , 2017 , 192, 87-97	13.2 22
172	Exploring traffic congestion correlation from multiple data sources. <i>Pervasive and Mobile Computing</i> , 2017 , 41, 470-483	3.5 29
171	Level set evolution with local uncertainty constraints for unsupervised change detection. <i>Remote Sensing Letters</i> , 2017 , 8, 811-820	2.3 20
170	Level set incorporated with an improved MRF model for unsupervised change detection for satellite images. <i>European Journal of Remote Sensing</i> , 2017 , 50, 202-210	2.9 3
169	A Novel Adaptive Fuzzy Local Information $\$C\$$ -Means Clustering Algorithm for Remotely Sensed Imagery Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 5057-5068	8.1 42
168	Change Detection Based on Gabor Wavelet Features for Very High Resolution Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 783-787	4.1 48
167	Bioactive flavonoids from <i>Flos Sophorae</i> . <i>Journal of Natural Medicines</i> , 2017 , 71, 513-522	3.3 10
166	Comparison of Unscented and Extended Kalman Filters with Application in Vehicle Navigation. <i>Journal of Navigation</i> , 2017 , 70, 411-431	2.3 21
165	Satellite-based PM2.5 estimation using fine-mode aerosol optical thickness over China. <i>Atmospheric Environment</i> , 2017 , 170, 290-302	5.3 29
164	Improved Approximation Algorithm for Maximal Information Coefficient. <i>International Journal of Data Warehousing and Mining</i> , 2017 , 13, 76-93	1 4
163	Unsupervised change detection using spectral features and a texture difference measure for VHR remote-sensing images. <i>International Journal of Remote Sensing</i> , 2017 , 38, 7302-7315	3.1 10
162	Optimizing GPS-guidance transit route for cable crane collision avoidance using artificial immune algorithm. <i>GPS Solutions</i> , 2017 , 21, 823-834	4.4 5
161	Uncertainty of Spatial Information and Spatial Analysis. <i>Springer Geography</i> , 2017 , 511-522	0.4 0

160	Spatial variability of excess mortality during prolonged dust events in a high-density city: a time-stratified spatial regression approach. <i>International Journal of Health Geographics</i> , 2017 , 16, 26	3.5	15
159	Semi-Automatic System for Land Cover Change Detection Using Bi-Temporal Remote Sensing Images. <i>Remote Sensing</i> , 2017 , 9, 1112	5	19
158	Rigorous Line-Based Transformation Model Using the Generalized Point Strategy for the Rectification of High Resolution Satellite Imagery. <i>Remote Sensing</i> , 2016 , 8, 743	5	0
157	Landslide mapping from aerial photographs using change detection-based Markov random field. <i>Remote Sensing of Environment</i> , 2016 , 187, 76-90	13.2	76
156	Fusion of Sentinel-2 images. <i>Remote Sensing of Environment</i> , 2016 , 187, 241-252	13.2	107
155	Spatiotemporal Subpixel Mapping of Time-Series Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 5397-5411	8.1	23
154	Mining significant association rules from uncertain data. <i>Data Mining and Knowledge Discovery</i> , 2016 , 30, 928-963	5.6	11
153	Semi-automated landslide inventory mapping from bitemporal aerial photographs using change detection and level set method. <i>Remote Sensing of Environment</i> , 2016 , 175, 215-230	13.2	77
152	A measure of average error variance of line features. <i>Cartography and Geographic Information Science</i> , 2016 , 43, 321-327	2.1	1
151	Fuzzy topologyBased method for unsupervised change detection. <i>Remote Sensing Letters</i> , 2016 , 7, 81-90	2.3	10
150	A new method of satellite-based haze aerosol monitoring over the North China Plain and a comparison with MODIS Collection 6 aerosol products. <i>Atmospheric Research</i> , 2016 , 171, 31-40	5.4	14
149	Information Fusion for Urban Road Extraction From VHR Optical Satellite Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1817-1829	4.7	16
148	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 386-396	8.1	34
147	A New Methodology for Spectral-Spatial Classification of Hyperspectral Images. <i>Journal of Sensors</i> , 2016 , 2016, 1-12	2	9
146	An Object-Based Change Detection Approach Using Uncertainty Analysis for VHR Images. <i>Journal of Sensors</i> , 2016 , 2016, 1-17	2	13
145	A Scale-Driven Change Detection Method Incorporating Uncertainty Analysis for Remote Sensing Images. <i>Remote Sensing</i> , 2016 , 8, 745	5	7
144	Novel Object-Based Filter for Improving Land-Cover Classification of Aerial Imagery with Very High Spatial Resolution. <i>Remote Sensing</i> , 2016 , 8, 1023	5	13
143	Novel Approach to Unsupervised Change Detection Based on a Robust Semi-Supervised FCM Clustering Algorithm. <i>Remote Sensing</i> , 2016 , 8, 264	5	49

142	Area-to-point regression kriging for pan-sharpening. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016 , 114, 151-165	11.8	42
141	Superpixel-based active contour model for unsupervised change detection from satellite images. <i>International Journal of Remote Sensing</i> , 2016 , 37, 4276-4295	3.1	7
140	Object-oriented change detection method based on adaptive multi-method combination for remote-sensing images. <i>International Journal of Remote Sensing</i> , 2016 , 37, 5457-5471	3.1	10
139	A general framework for spatial data inspection and assessment. <i>Earth Science Informatics</i> , 2015 , 8, 919-935	2.3	3
138	Downscaling MODIS images with area-to-point regression kriging. <i>Remote Sensing of Environment</i> , 2015 , 166, 191-204	13.2	100
137	Robust methods for assessing the accuracy of linear interpolated DEM. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015 , 34, 198-206	7.3	15
136	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 4699-4713	4.7	15
135	Soft-then-hard sub-pixel mapping with multiple shifted images. <i>International Journal of Remote Sensing</i> , 2015 , 36, 1329-1348	3.1	6
134	Fusion of multiple features to produce a segmentation algorithm for remote sensing images. <i>Remote Sensing Letters</i> , 2015 , 6, 390-398	2.3	3
133	An Object-Based Method for Road Network Extraction in VHR Satellite Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 4853-4862	4.7	44
132	Advanced Markov random field model based on local uncertainty for unsupervised change detection. <i>Remote Sensing Letters</i> , 2015 , 6, 667-676	2.3	12
131	Correction to Extracting Man-Made Objects From High Spatial Resolution Remote Sensing Images via Fast Level Set Evolutions [Feb 15 883-899]. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 5794-5794	8.1	20
130	Fast Subpixel Mapping Algorithms for Subpixel Resolution Change Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 1692-1706	8.1	38
129	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 309-323	8.1	43
128	Extracting Man-Made Objects From High Spatial Resolution Remote Sensing Images via Fast Level Set Evolutions. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 883-899	8.1	12
127	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	4.7	50
126	Confidence analysis of standard deviational ellipse and its extension into higher dimensional euclidean space. <i>PLoS ONE</i> , 2015 , 10, e0118537	3.7	78
125	Use of GMM and SCMS for Accurate Road Centerline Extraction from the Classified Image. <i>Journal of Sensors</i> , 2015 , 2015, 1-13	2	3

124	Fusion-based approach to change detection to reduce the effect of the trade-off parameter in the active contour model. <i>Remote Sensing Letters</i> , 2015 , 6, 39-48	2.3	7
123	Corrections to Semiautomatic Airport Runway Extraction Using a Line-Finder-Aided Level Set Evolution [Dec 14 4738-4749]. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015 , 8, 5395-5395	4.7	
122	An improved fractal prediction model for forecasting mine slope deformation using GM (1, 1). <i>Structural Health Monitoring</i> , 2015 , 14, 502-512	4.4	8
121	A wavelet-based hybrid approach to remove the flicker noise and the white noise from GPS coordinate time series. <i>GPS Solutions</i> , 2015 , 19, 511-523	4.4	12
120	Mapping dustfall distribution in urban areas using remote sensing and ground spectral data. <i>Science of the Total Environment</i> , 2015 , 506-507, 604-12	10.2	24
119	Validation of Land Cover Products Using Reliability Evaluation Methods. <i>Remote Sensing</i> , 2015 , 7, 7846-7864	3.6	9
118	Qualitative and Quantitative Comparative Analysis of the Relationship between Sampling Density and DEM Error by Bilinear and Bicubic Interpolation Methods 2015 , 163-196		
117	A Method for Accurate Road Centerline Extraction From a Classified Image. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 4762-4771	4.7	23
116	Sub-pixel mapping of remote sensing images based on radial basis function interpolation. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014 , 92, 1-15	11.8	77
115	An object-based image analysis for building seismic vulnerability assessment using high-resolution remote sensing imagery. <i>Natural Hazards</i> , 2014 , 71, 151-174	3	20
114	Accuracy Analysis of Digital Elevation Model Relating to Spatial Resolution and Terrain Slope by Bilinear Interpolation. <i>Mathematical Geosciences</i> , 2014 , 46, 445-481	2.5	20
113	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 2940-2959	8.1	60
112	Identification of multi-scale corresponding object-set pairs between two polygon datasets with hierarchical co-clustering. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014 , 88, 60-68	11.8	11
111	The Generalized-Line-Based Iterative Transformation Model for Imagery Registration and Rectification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 1394-1398	4.1	11
110	Standard deviation of line objects in geographic information science. <i>Annals of GIS</i> , 2014 , 20, 39-51	4.1	3
109	Class Allocation for Soft-Then-Hard Subpixel Mapping Algorithms With Adaptive Visiting Order of Classes. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 1494-1498	4.1	17
108	A novel dynamic threshold method for unsupervised change detection from remotely sensed images. <i>Remote Sensing Letters</i> , 2014 , 5, 396-403	2.3	21
107	A Semi-Automatic Method for Road Centerline Extraction From VHR Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 1856-1860	4.1	60

106	Semi-automatic approach for identifying locations of shallow debris slides/flows based on lidar-derived morphological features. <i>International Journal of Remote Sensing</i> , 2014 , 35, 3741-3763	3.1	7
105	Spatial-Attraction-Based Markov Random Field Approach for Classification of High Spatial Resolution Multispectral Imagery. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 489-493	4.1	7
104	Road centreline extraction from classified images by using the geodesic method. <i>Remote Sensing Letters</i> , 2014 , 5, 367-376	2.3	7
103	A contrast-sensitive Potts model custom-designed for change detection. <i>European Journal of Remote Sensing</i> , 2014 , 47, 643-654	2.9	3
102	Semiautomatic Airport Runway Extraction Using a Line-Finder-Aided Level Set Evolution. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 4738-4749	4.7	15
101	Indicator Cokriging-Based Subpixel Land Cover Mapping With Shifted Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 327-339	4.7	32
100	Estimation of Protein Content in Plant Leaves using Spectral Reflectance: A Case Study in <i>Euonymus japonica</i> . <i>Analytical Letters</i> , 2014 , 47, 517-530	2.2	1
99	Comparative Analysis for Robust Penalized Spline Smoothing Methods. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-11	1.1	1
98	Classification of Very High Spatial Resolution Imagery Based on a New Pixel Shape Feature Set. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 940-944	4.1	9
97	Utilizing Multiple Subpixel Shifted Images in Subpixel Mapping With Image Interpolation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 798-802	4.1	25
96	Local Spectrum-Trend Similarity Approach for Detecting Land-Cover Change by Using SPOT-5 Satellite Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 738-742	4.1	23
95	Spectral Spatial Classification and Shape Features for Urban Road Centerline Extraction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 788-792	4.1	51
94	An Integrated Method for Urban Main-Road Centerline Extraction From Optical Remotely Sensed Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 3359-3372	8.1	131
93	A Fast Level Set Algorithm for Building Roof Recognition From High Spatial Resolution Panchromatic Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 743-747	4.1	11
92	Unsupervised Change Detection With Expectation-Maximization-Based Level Set. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 210-214	4.1	66
91	Unsupervised change detection using fuzzy c-means and MRF from remotely sensed images. <i>Remote Sensing Letters</i> , 2013 , 4, 1185-1194	2.3	40
90	A statistical simulation model for positional error of line features in Geographic Information Systems (GIS). <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013 , 21, 136-148	7.3	16
89	A Reliability-Based Multi-Algorithm Fusion Technique in Detecting Changes in Land Cover. <i>Remote Sensing</i> , 2013 , 5, 1134-1151	5	11

88	Line segment confidence region-based string matching method for map conflation. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013 , 78, 69-84	11.8	9
87	Unsupervised classification based on fuzzy c-means with uncertainty analysis. <i>Remote Sensing Letters</i> , 2013 , 4, 1087-1096	2.3	20
86	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013 , 10, 583-587	4.1	88
85	Object-Based Spatial Feature for Classification of Very High Resolution Remote Sensing Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013 , 10, 1572-1576	4.1	25
84	A method to detect earthquake-collapsed buildings from high-resolution satellite images. <i>Remote Sensing Letters</i> , 2013 , 4, 1166-1175	2.3	16
83	Analysis of spatial distribution pattern of change-detection error caused by misregistration. <i>International Journal of Remote Sensing</i> , 2013 , 34, 6883-6897	3.1	11
82	Land-use/land-cover change and its influence on surface temperature: a case study in Beijing City. <i>International Journal of Remote Sensing</i> , 2013 , 34, 5503-5517	3.1	87
81	Examining the Satellite-Detected Urban Land Use Spatial Patterns Using Multidimensional Fractal Dimension Indices. <i>Remote Sensing</i> , 2013 , 5, 5152-5172	5	19
80	Fuzzy-Topology-Integrated Support Vector Machine for Remotely Sensed Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012 , 50, 850-862	8.1	15
79	Synthesis of the cross-linked humic acid supporting palladium catalyst and its catalytic properties for Heck reaction. <i>Polish Journal of Chemical Technology</i> , 2012 , 14, 75-79	1	1
78	Analysis of airborne particulate matter (PM _{2.5}) over Hong Kong using remote sensing and GIS. <i>Sensors</i> , 2012 , 12, 6825-36	3.8	26
77	A study of supervised classification accuracy in fuzzy topological methods. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2011 , 13, 89-99	7.3	2
76	A New Binary Encoding Algorithm for the Simultaneous Region-based Classification of Hyperspectral Data and Digital Surface Models. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2011 , 2011, 17-33		8
75	Ein wahrscheinlichs- und modellbasiertes Verfahren zur Veränderungsanalyse der Landnutzung durch Nutzung multi-spektraler Fernerkundungsdaten. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2011 , 2011, 271-280		4
74	An Integrated Model for the Fire Safety Analysis of Large Space Buildings. <i>Advances in Structural Engineering</i> , 2011 , 14, 763-775	1.9	4
73	A fuzzy topology-based maximum likelihood classification. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2011 , 66, 103-114	11.8	34
72	Data Mining and Knowledge Discovery 2011 , 49-58		
71	Thirty Years of Research on Spatial Data Quality: Achievements, Failures, and Opportunities. <i>Transactions in GIS</i> , 2010 , 14, 387-400	2.1	63

70	A Fuzzy-Topology-Based Area Object Extraction Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010 , 48, 147-154	8.1	12
69	A new method of pseudo absence data generation in landslide susceptibility mapping with a case study of Shenzhen. <i>Science China Technological Sciences</i> , 2010 , 53, 75-84	3.5	20
68	Measuring positional error of circular curve features in Geographic information systems (GIS). <i>Computers and Geosciences</i> , 2010 , 36, 861-870	4.5	7
67	A probability-based multi-measure feature matching method in map conflation. <i>International Journal of Remote Sensing</i> , 2009 , 30, 5453-5472	3.1	36
66	Adaptive mapped least squares SVM-based smooth fitting method for DSM generation of LIDAR data. <i>International Journal of Remote Sensing</i> , 2009 , 30, 5669-5683	3.1	18
65	A dynamic data model for mobile GIS. <i>Computers and Geosciences</i> , 2009 , 35, 2210-2221	4.5	12
64	Quantitative fuzzy topological relations of spatial objects by induced fuzzy topology. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2009 , 11, 38-45	7.3	18
63	Introducing scale parameters for adjusting area objects in GIS based on least squares and variance component estimation. <i>International Journal of Geographical Information Science</i> , 2009 , 23, 1413-1432	4.1	10
62	A two-dimensional empirical mode decomposition method with application for fusing panchromatic and multispectral satellite images. <i>International Journal of Remote Sensing</i> , 2009 , 30, 2637-2652	2.1	9
61	Catalytic performances of cross-linking humic acids supported Pd/Ni bimetallic catalyst for heck reaction. <i>Polish Journal of Chemical Technology</i> , 2009 , 11, 22-26	1	4
60	Integral ear elimination and virtual point-based updating algorithms for constrained Delaunay TIN. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 135-144		3
59	Modeling uncertainty in geographic information and analysis. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 38-47		10
58	Fuzzy clustering validity for spatial data. <i>Geo-Spatial Information Science</i> , 2008 , 11, 191-196	3.5	12
57	Dynamic routing model and solution methods for fleet management with mobile technologies. <i>International Journal of Production Economics</i> , 2008 , 113, 694-705	9.3	51
56	A Preliminary Study on Spatial Sampling for Topographic Data 2008 , 59-72		
55	Integration of fire simulation and structural analysis for safety evaluation of gymnasiums With a case study of gymnasium for Olympic Games in 2008. <i>Automation in Construction</i> , 2007 , 16, 277-289	9.6	9
54	Quantitative analysis of the projectile impact on rock using infrared thermography. <i>International Journal of Impact Engineering</i> , 2007 , 34, 990-1002	4	24
53	A fuzzy topology for computing the interior, boundary, and exterior of spatial objects quantitatively in GIS. <i>Computers and Geosciences</i> , 2007 , 33, 898-915	4.5	38

52	General entropy model of line segments uncertainty in GIS. <i>Geo-Spatial Information Science</i> , 2007 , 10, 61-66	3.5	1
51	Constrained edge dynamic deleting in CD-TIN based on influence domain retriangulation of virtual point. <i>Geo-Spatial Information Science</i> , 2007 , 10, 208-212	3.5	
50	Facet-based airborne light detection and ranging data filtering method. <i>Optical Engineering</i> , 2007 , 46, 066202	1.1	2
49	Automatic structure detection in a point-cloud of buildings obtained by terrestrial laser scanning 2007 ,		1
48	Fusing Ikonos Images by a Four-band Wavelet Transformation Method. <i>Photogrammetric Engineering and Remote Sensing</i> , 2007 , 73, 1285-1292	1.6	3
47	Extended model of topological relations between spatial objects in geographic information systems. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2007 , 9, 264-275	7.3	19
46	Positional error modeling for line simplification based on automatic shape similarity analysis in GIS. <i>Computers and Geosciences</i> , 2006 , 32, 462-475	4.5	8
45	Metal contamination in urban, suburban, and country park soils of Hong Kong: a study based on GIS and multivariate statistics. <i>Science of the Total Environment</i> , 2006 , 356, 45-61	10.2	751
44	Performance Evaluation of Line Simplification Algorithms for Vector Generalization. <i>Cartographic Journal</i> , 2006 , 43, 27-44	0.7	76
43	The Line-Based Transformation Model (LBTM) for image-to-image registration of high-resolution satellite image data. <i>International Journal of Remote Sensing</i> , 2006 , 27, 3001-3012	3.1	24
42	Computing the fuzzy topological relations of spatial objects based on induced fuzzy topology. <i>International Journal of Geographical Information Science</i> , 2006 , 20, 857-883	4.1	41
41	An automatic road segmentation algorithm using one-class SVM 2006 ,		2
40	Partially Supervised Classification. <i>International Journal of Data Warehousing and Mining</i> , 2006 , 2, 42-56	1	4
39	3D Integral Modeling for City Surface & Subsurface 2006 , 95-105		2
38	Wavelet-based image fusion and quality assessment. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2005 , 6, 241-251	7.3	131
37	An object-oriented 3D integral data model for digital city and digital mine 2005 ,		1
36	A Dynamic Method for Generating Multi-Resolution TIN Models. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005 , 71, 917-926	1.6	6
35	A Least Squares-Based Method for Adjusting the Boundaries of Area Objects. <i>Photogrammetric Engineering and Remote Sensing</i> , 2005 , 71, 189-195	1.6	21

34	Development of geo-spatial information science and technology - with our practices in PolyU 2005 , 5985, 60		
33	Constructing multi-resolution triangulated irregular network model for visualization. <i>Computers and Geosciences</i> , 2005 , 31, 77-86	4.5	14
32	Modeling change-pattern-value dynamics on land use: an integrated GIS and artificial neural networks approach. <i>Environmental Management</i> , 2005 , 36, 576-91	3.1	23
31	Are topological relations dependent on the shape of spatial objects?*. <i>Progress in Natural Science: Materials International</i> , 2005 , 15, 1021-1025	3.6	
30	Estimation of average DEM accuracy under linear interpolation considering random error at the nodes of TIN model. <i>International Journal of Remote Sensing</i> , 2005 , 26, 5509-5523	3.1	20
29	Quality assessment for geo-spatial objects derived from remotely sensed data. <i>International Journal of Remote Sensing</i> , 2005 , 26, 2953-2974	3.1	123
28	Assessment of the rectification accuracy of IKONOS imagery based on two-dimensional models. <i>International Journal of Remote Sensing</i> , 2005 , 26, 719-731	3.1	11
27	Modeling Fuzzy Topological Relations Between Uncertain Objects in a GIS. <i>Photogrammetric Engineering and Remote Sensing</i> , 2004 , 70, 921-929	1.6	11
26	Estimation of the Positional Uncertainty in Line Simplification in GIS. <i>Cartographic Journal</i> , 2004 , 41, 37-45	4.7	19
25	A data-mining approach to determine the spatio-temporal relationship between environmental factors and fish distribution. <i>Ecological Modelling</i> , 2004 , 174, 421-431	3	30
24	Topological models and frameworks for 3D spatial objects. <i>Computers and Geosciences</i> , 2004 , 30, 419-428	4.5	103
23	A Probability-based Uncertainty Model for Point-in-Polygon Analysis in GIS. <i>GeoInformatica</i> , 2004 , 8, 71-98	5	8
22	Modelling error propagation in vector-based overlay analysis. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2004 , 59, 47-59	11.8	12
21	The study of metal contamination in urban soils of Hong Kong using a GIS-based approach. <i>Environmental Pollution</i> , 2004 , 129, 113-24	9.3	359
20	Modelling error propagation in vector-based buffer analysis. <i>International Journal of Geographical Information Science</i> , 2003 , 17, 251-271	4.1	29
19	Multi-Band Wavelet for Fusing SPOT Panchromatic and Multispectral Images. <i>Photogrammetric Engineering and Remote Sensing</i> , 2003 , 69, 513-520	1.6	34
18	Analysis of Terrain Elevation Effects on Ikonos Imagery Rectification Accuracy by Using Non-Rigorous Models. <i>Photogrammetric Engineering and Remote Sensing</i> , 2003 , 69, 1359-1366	1.6	15
17	State-of-the-Art and Future of Geographic Information Systems in Hong Kong. <i>Annals of GIS</i> , 2003 , 9, 1-13	4.1	

16	Geo-rough space. <i>Geo-Spatial Information Science</i> , 2003 , 6, 54-61	3.5	1
15	Cloud Model-Based Spatial Data Mining. <i>Annals of GIS</i> , 2003 , 9, 60-70	4.1	15
14	An object-oriented data model for complex objects in three-dimensional geographical information systems. <i>International Journal of Geographical Information Science</i> , 2003 , 17, 411-430	4.1	33
13	Development of a Process-Based Model for Dynamic Interaction in Spatio-Temporal GIS. <i>Geoinformatica</i> , 2002 , 6, 323-344	2.5	17
12	GIS-based bridge structural health monitoring and management system 2002 ,		2
11	The line segment match method for extracting road network from high-resolution satellite images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2002 , 40, 511-514	8.1	52
10	Measuring Uncertainty of Spatial Features in a Three-Dimensional Geographical Information System Based upon Numerical Analysis. <i>Annals of GIS</i> , 2001 , 7, 124-130	4.1	3
9	Development of Voronoi-based cellular automata -an integrated dynamic model for Geographical Information Systems. <i>International Journal of Geographical Information Science</i> , 2000 , 14, 455-474	4.1	75
8	A stochastic process-based model for the positional error of line segments in GIS. <i>International Journal of Geographical Information Science</i> , 2000 , 14, 51-66	4.1	77
7	Statistical Tests of the Distribution of Errors in Manually Digitized Cartographic Lines. <i>Annals of GIS</i> , 1998 , 4, 52-58	4.1	1
6	A generic statistical approach for modelling error of geometric features in GIS. <i>International Journal of Geographical Information Science</i> , 1998 , 12, 131-143	4.1	75
5	Statistical Modeling Uncertainties of Three-dimensional GIS Features. <i>Cartography and Geographic Information Science</i> , 1997 , 24, 21-26		6
4	Point deletion for dynamic update of CD-TIN		1
3	Hierarchical support vector machines		3
2	Principles of Modeling Uncertainties in Spatial Data and Spatial Analyses		33
1	A tight coupling mapping method to integrate the ESKF, g2o, and point cloud alignment. <i>Journal of Supercomputing</i> ,1	2.5	0