

Thomas Blaschke

List of Publications by Year in Descending Order

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

232
papers

13,457
citations

53
h-index

110
g-index

251
ext. papers

16,505
ext. citations

4.1
avg, IF

7.56
L-index

#	Paper	IF	Citations
232	A Google Earth Engine Approach for Wildfire Susceptibility Prediction Fusion with Remote Sensing Data of Different Spatial Resolutions. <i>Remote Sensing</i> , 2022 , 14, 672	5	4
231	Landslide detection using deep learning and object-based image analysis. <i>Landslides</i> , 2022 , 19, 929	6.6	6
230	Change of land use / land cover in kurdistan region of Iraq: A semi-automated object-based approach. <i>Remote Sensing Applications: Society and Environment</i> , 2022 , 26, 100713	2.8	1
229	Detecting and mapping karst landforms using object-based image analysis: Case study: Takht-Soleiman and Parava Mountains, Iran. <i>Egyptian Journal of Remote Sensing and Space Science</i> , 2022 , 25, 473-489	3.4	1
228	Synergies between Urban Heat Island and Urban Heat Wave Effects in 9 Global Mega-Regions from 2003 to 2020. <i>Remote Sensing</i> , 2022 , 14, 70	5	4
227	Scenario-based analysis of the impacts of lake drying on food production in the Lake Urmia Basin of Northern Iran.. <i>Scientific Reports</i> , 2022 , 12, 6237	4.9	1
226	Unsupervised Deep Learning for Landslide Detection from Multispectral Sentinel-2 Imagery. <i>Remote Sensing</i> , 2021 , 13, 4698	5	4
225	Remote Sensing for Urban Sustainability Research and Sustainable Development Goals 2021 , 469-494		
224	A Framework for Cloud-Based Spatially-Explicit Uncertainty and Sensitivity Analysis in Spatial Multi-Criteria Models. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 244	2.9	0
223	Comparison of multi-criteria and artificial intelligence models for land-subsidence susceptibility zonation. <i>Journal of Environmental Management</i> , 2021 , 284, 112067	7.9	15
222	Fine-tuning of a generative neural network for designing multi-target compounds. <i>Journal of Computer-Aided Molecular Design</i> , 2021 , 1	4.2	2
221	An automated deep learning convolutional neural network algorithm applied for soil salinity distribution mapping in Lake Urmia, Iran. <i>Science of the Total Environment</i> , 2021 , 778, 146253	10.2	16
220	An efficient GIS-based approach for sustainability assessment of urban drinking water consumption patterns: A study in Tabriz city, Iran. <i>Sustainable Cities and Society</i> , 2021 , 64, 102584	10.1	19
219	Prediction of landslide susceptibility in Rudraprayag, India using novel ensemble of conditional probability and boosted regression tree-based on cross-validation method. <i>Science of the Total Environment</i> , 2021 , 764, 142928	10.2	27
218	Forest fire susceptibility modeling using hybrid approaches. <i>Transactions in GIS</i> , 2021 , 25, 311-333	2.1	11
217	An object based image analysis applied for volcanic and glacial landforms mapping in Sahand Mountain, Iran. <i>Catena</i> , 2021 , 198, 105073	5.8	21
216	Landslide Mapping Using Two Main Deep-Learning Convolution Neural Network Streams Combined by the DempsterBhafer Model. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 452-463	4.7	18

215	Prediction of Promiscuity Cliffs Using Machine Learning. <i>Molecular Informatics</i> , 2021 , 40, e2000196	3.8	5
214	Nepalese landslide information system (NELIS): a conceptual framework for a web-based geographical information system for enhanced landslide risk management in Nepal. <i>Natural Hazards and Earth System Sciences</i> , 2021 , 21, 301-316	3.9	1
213	Rapid mapping of landslides in the Western Ghats (India) triggered by 2018 extreme monsoon rainfall using a deep learning approach. <i>Landslides</i> , 2021 , 18, 1937-1950	6.6	17
212	Flood Susceptibility Assessment Using Novel Ensemble of Hyperpipes and Support Vector Regression Algorithms. <i>Water (Switzerland)</i> , 2021 , 13, 241	3	33
211	Automated Characterization of Yardangs Using Deep Convolutional Neural Networks. <i>Remote Sensing</i> , 2021 , 13, 733	5	1
210	A comprehensive transferability evaluation of U-Net and ResU-Net for landslide detection from Sentinel-2 data (case study areas from Taiwan, China, and Japan). <i>Scientific Reports</i> , 2021 , 11, 14629	4.9	16
209	Compound dataset and custom code for deep generative multi-target compound design. <i>Future Science OA</i> , 2021 , 7, FSO715	2.7	4
208	Advances of Local Climate Zone Mapping and Its Practice Using Object-Based Image Analysis. <i>Atmosphere</i> , 2021 , 12, 1146	2.7	2
207	A scenario-based approach for urban water management in the context of the COVID-19 pandemic and a case study for the Tabriz metropolitan area, Iran. <i>Science of the Total Environment</i> , 2021 , 790, 148272	10.2	11
206	A deep learning convolutional neural network algorithm for detecting saline flow sources and mapping the environmental impacts of the Urmia Lake drought in Iran. <i>Catena</i> , 2021 , 207, 105585	5.8	15
205	Assessing the impact of bridge construction on the land use/cover and socio-economic indicator time series: A case study of Hangzhou Bay Bridge. <i>GIScience and Remote Sensing</i> , 2021 , 58, 199-216	4.8	2
204	Flash-Flood Potential Mapping Using Deep Learning, Alternating Decision Trees and Data Provided by Remote Sensing Sensors. <i>Sensors</i> , 2021 , 21,	3.8	20
203	Opportunities and Challenges of Geospatial Analysis for Promoting Urban Livability in the Era of Big Data and Machine Learning. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 752	2.9	7
202	Implementation of Artificial Intelligence Based Ensemble Models for Gully Erosion Susceptibility Assessment. <i>Remote Sensing</i> , 2020 , 12, 3620	5	30
201	An Application of Sentinel-1, Sentinel-2, and GNSS Data for Landslide Susceptibility Mapping. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 561	2.9	8
200	Modeling Spatial Flood using Novel Ensemble Artificial Intelligence Approaches in Northern Iran. <i>Remote Sensing</i> , 2020 , 12, 3423	5	15
199	Comparisons of Diverse Machine Learning Approaches for Wildfire Susceptibility Mapping. <i>Symmetry</i> , 2020 , 12, 604	2.7	37
198	Monitoring long-term shoreline dynamics and human activities in the Hangzhou Bay, China, combining daytime and nighttime EO data. <i>Big Earth Data</i> , 2020 , 4, 242-264	4.1	6

197	A GIS-based DRASTIC Model and an Adjusted DRASTIC Model (DRASTICA) for Groundwater Susceptibility Assessment along the ChinaPakistan Economic Corridor (CPEC) Route. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 332	2.9	23
196	Analyzing the Importance of Driver Behavior Criteria Related to Road Safety for Different Driving Cultures. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	20
195	Comparison and validation of per-pixel and object-based approaches for landslide susceptibility mapping. <i>Geomatics, Natural Hazards and Risk</i> , 2020 , 11, 572-600	3.6	20
194	Earthquake Vulnerability Mapping Using Different Hybrid Models. <i>Symmetry</i> , 2020 , 12, 405	2.7	28
193	Landslide Susceptibility Evaluation and Management Using Different Machine Learning Methods in The Gallicash River Watershed, Iran. <i>Remote Sensing</i> , 2020 , 12, 475	5	66
192	Machine Learning-Based Gully Erosion Susceptibility Mapping: A Case Study of Eastern India. <i>Sensors</i> , 2020 , 20,	3.8	37
191	Mapping Land Cover and Tree Canopy Cover in Zagros Forests of Iran: Application of Sentinel-2, Google Earth, and Field Data. <i>Remote Sensing</i> , 2020 , 12, 1912	5	19
190	National-Scale Landslide Susceptibility Mapping in Austria Using Fuzzy Best-Worst Multi-Criteria Decision-Making. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 393	2.9	14
189	Flood susceptibility mapping with machine learning, multi-criteria decision analysis and ensemble using Dempster Shafer Theory. <i>Journal of Hydrology</i> , 2020 , 590, 125275	6	54
188	Assessing and mapping multi-hazard risk susceptibility using a machine learning technique. <i>Scientific Reports</i> , 2020 , 10, 3203	4.9	66
187	Application of the AHP-BWM Model for Evaluating Driver Behavior Factors Related to Road Safety: A Case Study for Budapest. <i>Symmetry</i> , 2020 , 12, 243	2.7	28
186	Modeling Quality of Urban Life Using a Geospatial Approach. <i>Urban Science</i> , 2020 , 4, 5	2.2	2
185	Forest stand susceptibility mapping during harvesting using logistic regression and boosted regression tree machine learning models. <i>Global Ecology and Conservation</i> , 2020 , 22, e00974	2.8	9
184	Gully Head-Cut Distribution Modeling Using Machine Learning Methods—A Case Study of N.W. Iran. <i>Water (Switzerland)</i> , 2020 , 12, 16	3	21
183	Hybrid Computational Intelligence Models for Improvement Gully Erosion Assessment. <i>Remote Sensing</i> , 2020 , 12, 140	5	25
182	Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. <i>Sensors</i> , 2020 , 20,	3.8	24
181	An Integrated Approach of Best-Worst Method (BWM) and Triangular Fuzzy Sets for Evaluating Driver Behavior Factors Related to Road Safety. <i>Mathematics</i> , 2020 , 8, 414	2.3	33
180	Assessing the Link between Human Modification and Changes in Land Surface Temperature in Hainan, China Using Image Archives from Google Earth Engine. <i>Remote Sensing</i> , 2020 , 12, 888	5	12

179	A wavelet coherence approach to prioritizing influencing factors of land surface temperature and associated research scales. <i>Remote Sensing of Environment</i> , 2020 , 246, 111866	13.2	17
178	Spatiotemporal evolution of urban agglomerations in China during 2000-2012: a nighttime light approach. <i>Landscape Ecology</i> , 2020 , 35, 421-434	4.3	24
177	Assessing the Influence of Tourism-Driven Activities on Environmental Variables on Hainan Island, China. <i>Remote Sensing</i> , 2020 , 12, 2813	5	1
176	Ensemble of Machine-Learning Methods for Predicting Gully Erosion Susceptibility. <i>Remote Sensing</i> , 2020 , 12, 3675	5	34
175	Memory-assisted reinforcement learning for diverse molecular de novo design. <i>Journal of Cheminformatics</i> , 2020 , 12, 68	8.6	20
174	Flood susceptibility mapping using an improved analytic network process with statistical models. <i>Geomatics, Natural Hazards and Risk</i> , 2020 , 11, 2282-2314	3.6	21
173	Integrating land development size, pattern, and density to identify urban-rural fringe in a metropolitan region. <i>Landscape Ecology</i> , 2020 , 35, 2045-2059	4.3	4
172	REINVENT 2.0: An AI Tool for De Novo Drug Design. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 5918-5922	6.1	42
171	Multi-Hazard Exposure Mapping Using Machine Learning for the State of Salzburg, Austria. <i>Remote Sensing</i> , 2020 , 12, 2757	5	18
170	Gully erosion susceptibility mapping (GESM) using machine learning methods optimized by the multi-collinearity analysis and K-fold cross-validation. <i>Geomatics, Natural Hazards and Risk</i> , 2020 , 11, 1653-1678 ¹²	3.6	12
169	GIS-based forest fire risk mapping using the analytical network process and fuzzy logic. <i>Journal of Environmental Planning and Management</i> , 2020 , 63, 481-499	2.8	55
168	A new GIS-based technique using an adaptive neuro-fuzzy inference system for land subsidence susceptibility mapping. <i>Journal of Spatial Science</i> , 2020 , 65, 401-418	1.6	48
167	Contrasting changes in snow cover and its sensitivity to aerosol optical properties in Hindukush-Karakoram-Himalaya region. <i>Science of the Total Environment</i> , 2020 , 699, 134356	10.2	5
166	Composition of place: towards a compositional view of functional space. <i>Cartography and Geographic Information Science</i> , 2020 , 47, 28-45	2.1	8
165	Morphometric Analysis for Soil Erosion Susceptibility Mapping Using Novel GIS-Based Ensemble Model. <i>Remote Sensing</i> , 2020 , 12, 874	5	29
164	Assessing and Representing Livability through the Analysis of Residential Preference. <i>Sustainability</i> , 2019 , 11, 4934	3.6	11
163	Forest Fire Susceptibility and Risk Mapping Using Social/Infrastructural Vulnerability and Environmental Variables. <i>Fire</i> , 2019 , 2, 50	2.4	49
162	UAV-Based Slope Failure Detection Using Deep-Learning Convolutional Neural Networks. <i>Remote Sensing</i> , 2019 , 11, 2046	5	43

161	Predicting Habitat Suitability and Conserving <i>Juniperus</i> spp. Habitat Using SVM and Maximum Entropy Machine Learning Techniques. <i>Water (Switzerland)</i> , 2019 , 11, 2049	3	16
160	A Generic Classification Scheme for Urban Structure Types. <i>Remote Sensing</i> , 2019 , 11, 173	5	16
159	Evaluation of Different Machine Learning Methods and Deep-Learning Convolutional Neural Networks for Landslide Detection. <i>Remote Sensing</i> , 2019 , 11, 196	5	264
158	Sustainable Urban Transport Planning Considering Different Stakeholder Groups by an Interval-AHP Decision Support Model. <i>Sustainability</i> , 2019 , 11, 9	3.6	74
157	Scale matters: a survey of the concepts of scale used in spatial disciplines. <i>European Journal of Remote Sensing</i> , 2019 , 52, 419-434	2.9	9
156	Exploring the GDB-13 chemical space using deep generative models. <i>Journal of Cheminformatics</i> , 2019 , 11, 20	8.6	67
155	Mapping potential nature-based tourism areas by applying GIS-decision making systems in East Azerbaijan Province, Iran. <i>Journal of Ecotourism</i> , 2019 , 18, 261-283	2.2	25
154	Prediction of Different Classes of Promiscuous and Nonpromiscuous Compounds Using Machine Learning and Nearest Neighbor Analysis. <i>ACS Omega</i> , 2019 , 4, 6883-6890	3.9	14
153	A Comparative Study of Statistics-Based Landslide Susceptibility Models: A Case Study of the Region Affected by the Gorkha Earthquake in Nepal. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 94	2.9	49
152	Exploring semantic elements for urban scene recognition: Deep integration of high-resolution imagery and OpenStreetMap (OSM). <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019 , 151, 237-250	11.8	30
151	A Conceptual framework for web-based Nepalese landslide information system 2019 ,		2
150	Multi-hazard probability assessment and mapping in Iran. <i>Science of the Total Environment</i> , 2019 , 692, 556-571	10.2	70
149	Spatial Prediction of Wildfire Susceptibility Using Field Survey GPS Data and Machine Learning Approaches. <i>Fire</i> , 2019 , 2, 43	2.4	55
148	Analysing Stakeholder Consensus for a Sustainable Transport Development Decision by the Fuzzy AHP and Interval AHP. <i>Sustainability</i> , 2019 , 11, 3271	3.6	51
147	Traffic Accident Spatial Simulation Modeling for Planning of Road Emergency Services. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 371	2.9	10
146	Landslide Detection Using Multi-Scale Image Segmentation and Different Machine Learning Models in the Higher Himalayas. <i>Remote Sensing</i> , 2019 , 11, 2575	5	67
145	A Comparative Assessment of Random Forest and k-Nearest Neighbor Classifiers for Gully Erosion Susceptibility Mapping. <i>Water (Switzerland)</i> , 2019 , 11, 2076	3	42
144	Geobias Achievements and Spatial Opportunities in the Era of Big Earth Observation Data. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 474	2.9	18

143	Optimizing Sample Patches Selection of CNN to Improve the mIOU on Landslide Detection 2019 ,		10
142	Function-Based Search of Place Using Theoretical, Empirical and Probabilistic Patterns. <i>ISPRS International Journal of Geo-Information</i> , 2019 , 8, 92	2.9	4
141	Fuzzy Object-Based Image Analysis Methods Using Sentinel-2A and Landsat-8 Data to Map and Characterize Soil Surface Residue. <i>Remote Sensing</i> , 2019 , 11, 2583	5	18
140	Object-Based Thermal Remote-Sensing Analysis for Fault Detection in Mashhad County, Iran. <i>Canadian Journal of Remote Sensing</i> , 2019 , 45, 847-861	1.8	4
139	Proposing a Novel Predictive Technique for Gully Erosion Susceptibility Mapping in Arid and Semi-arid Regions (Iran). <i>Remote Sensing</i> , 2019 , 11, 2577	5	30
138	A Novel Ensemble Approach for Landslide Susceptibility Mapping (LSM) in Darjeeling and Kalimpong Districts, West Bengal, India. <i>Remote Sensing</i> , 2019 , 11, 2866	5	72
137	Landslide Susceptibility Mapping Using GIS-Based Data Mining Algorithms. <i>Water (Switzerland)</i> , 2019 , 11, 2292	3	23
136	Application of Probabilistic and Machine Learning Models for Groundwater Potentiality Mapping in Damghan Sedimentary Plain, Iran. <i>Remote Sensing</i> , 2019 , 11, 3015	5	27
135	Landslide Susceptibility Mapping for Austria Using Geons and Optimization with the Dempster-Shafer Theory. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5393	2.6	20
134	Proof of concept of a novel cloud computing approach for object-based remote sensing data analysis and classification. <i>GIScience and Remote Sensing</i> , 2019 , 56, 536-553	4.8	6
133	Big Earth data: disruptive changes in Earth observation data management and analysis?. <i>International Journal of Digital Earth</i> , 2019 , 13, 832-850	3.9	62
132	The rise of deep learning in drug discovery. <i>Drug Discovery Today</i> , 2018 , 23, 1241-1250	8.8	650
131	Application of Generative Autoencoder in De Novo Molecular Design. <i>Molecular Informatics</i> , 2018 , 37, 1700123	3.8	174
130	Multi-criteria risk evaluation by integrating an analytical network process approach into GIS-based sensitivity and uncertainty analyses. <i>Geomatics, Natural Hazards and Risk</i> , 2018 , 9, 127-151	3.6	67
129	Deprivation, Healthcare Accessibility and Satisfaction: Geographical Context and Scale Implications. <i>Applied Spatial Analysis and Policy</i> , 2018 , 11, 313-332	1.7	21
128	Measuring the progress of a recovery process after an earthquake: The case of L'aquila, Italy. <i>International Journal of Disaster Risk Reduction</i> , 2018 , 28, 450-464	4.5	25
127	Can ISO-Defined Urban Sustainability Indicators Be Derived from Remote Sensing: An Expert Weighting Approach. <i>Sustainability</i> , 2018 , 10, 1268	3.6	21
126	Pixel-Wise vs. Object-Based Impervious Surface Analysis from Remote Sensing: Correlations with Land Surface Temperature and Population Density. <i>Urban Science</i> , 2018 , 2, 2	2.2	10

125	An interval matrix method used to optimize the decision matrix in AHP technique for land subsidence susceptibility mapping. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	45
124	Analysis of Aerosol Optical Properties due to a Haze Episode in the Himalayan Foothills: Implications for Climate Forcing. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 1331-1350	4.6	10
123	On the Morphology and Composition of Particulate Matter in an Urban Environment. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 1431-1447	4.6	36
122	Place versus Space: From Points, Lines and Polygons in GIS to Place-Based Representations Reflecting Language and Culture. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 452	2.9	19
121	Machine Learning Distinguishes with High Accuracy between Pan-Assay Interference Compounds That Are Promiscuous or Represent Dark Chemical Matter. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 10255-10264	8.3	19
120	Revisiting the Role of Place in Geographic Information Science. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 364	2.9	14
119	Beyond Spatial Proximity: Classifying Parks and Their Visitors in London Based on Spatiotemporal and Sentiment Analysis of Twitter Data. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 378	2.9	31
118	Are We in Boswash Yet? A Multi-Source Geodata Approach to Spatially Delimit Urban Corridors. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 15	2.9	9
117	A new GIS-based data mining technique using an adaptive neuro-fuzzy inference system (ANFIS) and k-fold cross-validation approach for land subsidence susceptibility mapping. <i>Natural Hazards</i> , 2018 , 94, 497-517	3	59
116	An Efficient Parallel Multi-Scale Segmentation Method for Remote Sensing Imagery. <i>Remote Sensing</i> , 2018 , 10, 590	5	25
115	Explaining Accessibility and Satisfaction Related to Healthcare: A Mixed-Methods Approach. <i>Social Indicators Research</i> , 2017 , 133, 719-739	2.7	20
114	Using object-based analysis to derive surface complexity information for improved filtering of airborne laser scanning data. <i>Frontiers of Earth Science</i> , 2017 , 11, 11-19	1.7	
113	Urban parks: Visitors' perceptions versus spatial indicators. <i>Land Use Policy</i> , 2017 , 64, 233-244	5.6	60
112	Comparing GIS-based support vector machine kernel functions for landslide susceptibility mapping. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	68
111	Lack of spatial resilience in a recovery process: Case L'Aquila, Italy. <i>Technological Forecasting and Social Change</i> , 2017 , 121, 76-88	9.5	27
110	An integrated object-based image analysis and CA-Markov model approach for modeling land use/land cover trends in the Sarab plain. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	27
109	Measuring urban agglomeration using a city-scale dasymetric population map: A study in the Pearl River Delta, China. <i>Habitat International</i> , 2017 , 59, 32-43	4.6	53
108	Evaluating fuzzy operators of an object-based image analysis for detecting landslides and their changes. <i>Geomorphology</i> , 2017 , 293, 240-254	4.3	41

107	Is Spatial Resolution Critical in Urbanization Velocity Analysis? Investigations in the Pearl River Delta. <i>Remote Sensing</i> , 2017 , 9, 80	5	7
106	Molecular de-novo design through deep reinforcement learning. <i>Journal of Cheminformatics</i> , 2017 , 9, 48	8.6	352
105	An Object-Based Semantic Classification Method for High Resolution Remote Sensing Imagery Using Ontology. <i>Remote Sensing</i> , 2017 , 9, 329	5	47
104	Scale-Free Relationships between Social and Landscape Factors in Urban Systems. <i>Sustainability</i> , 2017 , 9, 84	3.6	10
103	Evaluation of Feature Selection Methods for Object-Based Land Cover Mapping of Unmanned Aerial Vehicle Imagery Using Random Forest and Support Vector Machine Classifiers. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 51	2.9	121
102	A New Look at Public Services Inequality: The Consistency of Neighborhood Context and Citizens' Perception across Multiple Scales. <i>ISPRS International Journal of Geo-Information</i> , 2017 , 6, 200	2.9	3
101	A spatially explicit backcasting approach for sustainable land-use planning. <i>Journal of Environmental Planning and Management</i> , 2016 , 59, 866-890	2.8	9
100	Monitoring recovery after earthquakes through the integration of remote sensing, GIS, and ground observations: the case of L'Aquila (Italy). <i>Cartography and Geographic Information Science</i> , 2016 , 43, 115-133	2.1	30
99	A systematic comparison of different object-based classification techniques using high spatial resolution imagery in agricultural environments. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016 , 49, 87-98	7.3	128
98	New spatial dimensions of global cityscapes: From reviewing existing concepts to a conceptual spatial approach. <i>Journal of Chinese Geography</i> , 2016 , 26, 355-380	3.7	13
97	Integrating time and the third spatial dimension in landscape structure analysis. <i>Landscape Research</i> , 2016 , 41, 279-293	1.4	8
96	A Function-based model of Place. <i>International Conference on GIScience Short Paper Proceedings</i> , 2016 , 1,		4
95	Classification of Aerosols in an Urban Environment on the Basis of Optical Measurements. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 2535-2549	4.6	15
94	Local Geographic Variation of Public Services Inequality: Does the Neighborhood Scale Matter?. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	15
93	A Global Inventory of Urban Corridors Based on Perceptions and Night-Time Light Imagery. <i>ISPRS International Journal of Geo-Information</i> , 2016 , 5, 233	2.9	10
92	Object-Based Change Detection in Urban Areas: The Effects of Segmentation Strategy, Scale, and Feature Space on Unsupervised Methods. <i>Remote Sensing</i> , 2016 , 8, 761	5	58
91	A building extraction approach for Airborne Laser Scanner data utilizing the Object Based Image Analysis paradigm. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016 , 52, 137-148	7.3	26
90	Long-term (2007-2013) analysis of aerosol optical properties over four locations in the Indo-Gangetic plains. <i>Applied Optics</i> , 2016 , 55, 6199-211	0.2	18

89	Comparing Subjective and Objective Quality of Life Criteria: A Case Study of Green Space and Public Transport in Vienna, Austria. <i>Social Indicators Research</i> , 2015 , 124, 911-927	2.7	21
88	Intercomparison of MODIS, MISR, OMI, and CALIPSO aerosol optical depth retrievals for four locations on the Indo-Gangetic plains and validation against AERONET data. <i>Atmospheric Environment</i> , 2015 , 111, 113-126	5.3	93
87	A multi-criteria spatial deprivation index to support health inequality analyses. <i>International Journal of Health Geographics</i> , 2015 , 14, 11	3.5	35
86	Monitoring of Urban villages in Shenzhen, China from high-resolution GF-1 and TerraSAR-X data 2015 ,		2
85	Understanding and quantifying landscape structure – A review on relevant process characteristics, data models and landscape metrics. <i>Ecological Modelling</i> , 2015 , 295, 31-41	3	211
84	Arabian Sea cyclone: Structure analysis using satellite data. <i>Advances in Space Research</i> , 2015 , 56, 2235-2247		5
83	Building Extraction from Airborne Laser Scanning Data: An Analysis of the State of the Art. <i>Remote Sensing</i> , 2015 , 7, 3826-3862	5	58
82	Contextual Sensing: Integrating Contextual Information with Human and Technical Geo-Sensor Information for Smart Cities. <i>Sensors</i> , 2015 , 15, 17013-35	3.8	54
81	Towards a framework for agent-based image analysis of remote-sensing data. <i>International Journal of Image and Data Fusion</i> , 2015 , 6, 115-137	1.8	24
80	Fusing human and technical sensor data. <i>SIGSPATIAL Special</i> , 2015 , 7, 29-35	2.3	9
79	Spatial vulnerability assessment of floods in the coastal regions of Bangladesh. <i>Geomatics, Natural Hazards and Risk</i> , 2015 , 6, 21-44	3.6	52
78	Fusion of TerraSAR-x and Landsat ETM+ data for protected area mapping in Uganda. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015 , 38, 99-104	7.3	17
77	Collective Sensing: Fernerkundung, Sensorik in den StraÙen, soziale Netzwerke und Die Crowd 2015 , 267-269		
76	Variability of aerosol optical depth and their impact on cloud properties in Pakistan. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014 , 107, 104-112	2	27
75	Changes in aerosol optical properties due to dust storms in the Middle East and Southwest Asia. <i>Remote Sensing of Environment</i> , 2014 , 143, 216-227	13.2	116
74	An uncertainty and sensitivity analysis approach for GIS-based multicriteria landslide susceptibility mapping. <i>International Journal of Geographical Information Science</i> , 2014 , 28, 610-638	4.1	88
73	Myths and realities about the recovery of L'Aquila after the earthquake. <i>International Journal of Disaster Risk Reduction</i> , 2014 , 8, 125-142	4.5	25
72	Geographic Object-Based Image Analysis - Towards a new paradigm. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2014 , 87, 180-191	11.8	905

71	A GIS-based extended fuzzy multi-criteria evaluation for landslide susceptibility mapping. <i>Computers and Geosciences</i> , 2014 , 73, 208-221	4.5	195
70	GIS-based ordered weighted averaging and Dempster-Shafer methods for landslide susceptibility mapping in the Urmia Lake Basin, Iran. <i>International Journal of Digital Earth</i> , 2014 , 7, 688-708	3.9	61
69	Object-Based Image Analysis and Digital Terrain Analysis for Locating Landslides in the Urmia Lake Basin, Iran. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2014 , 7, 4806-4817	4.7	59
68	Using the Wishart maximum likelihood classifier for assessing the potential of TerraSAR-X and ALOS PALSAR data for land cover mapping. <i>International Journal of Image and Data Fusion</i> , 2014 , 5, 138-151	1.8	3
67	Ontology-Based Classification of Building Types Detected from Airborne Laser Scanning Data. <i>Remote Sensing</i> , 2014 , 6, 1347-1366	5	73
66	Detection of Gully-Affected Areas by Applying Object-Based Image Analysis (OBIA) in the Region of Taroudannt, Morocco. <i>Remote Sensing</i> , 2014 , 6, 8287-8309	5	39
65	Geographic information science as a multidisciplinary and multiparadigmatic field. <i>Cartography and Geographic Information Science</i> , 2014 , 41, 196-213	2.1	34
64	Source Apportionment and Characterization of Particulate Matter (PM10) in Urban Environment of Lahore. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 1851-1861	4.6	28
63	A GIS based spatially-explicit sensitivity and uncertainty analysis approach for multi-criteria decision analysis. <i>Computers and Geosciences</i> , 2014 , 64, 81-95	4.5	160
62	A framework for spatio-temporal scales and concepts from different disciplines: the 'vulnerability cube'. <i>Natural Hazards</i> , 2013 , 68, 1343-1369	3	23
61	Monitoring land surface temperature relationship to land use/land cover from satellite imagery in Maraqeh County, Iran. <i>Journal of Environmental Planning and Management</i> , 2013 , 56, 1290-1315	2.8	47
60	Spatial connectivity as a recovery process indicator: The L'Aquila earthquake. <i>Technological Forecasting and Social Change</i> , 2013 , 80, 1782-1803	9.5	26
59	GIS-multicriteria decision analysis for landslide susceptibility mapping: comparing three methods for the Urmia lake basin, Iran. <i>Natural Hazards</i> , 2013 , 65, 2105-2128	3	189
58	'Energy landscapes': Meeting energy demands and human aspirations. <i>Biomass and Bioenergy</i> , 2013 , 55, 3-16	5.3	99
57	Land suitability analysis for Tabriz County, Iran: a multi-criteria evaluation approach using GIS. <i>Journal of Environmental Planning and Management</i> , 2013 , 56, 1-23	2.8	150
56	Examining Urban Heat Island Relations to Land Use and Air Pollution: Multiple Endmember Spectral Mixture Analysis for Thermal Remote Sensing. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013 , 6, 1749-1756	4.7	73
55	An Object-Based Workflow to Extract Landforms at Multiple Scales From Two Distinct Data Types. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2013 , 10, 947-951	4.1	45
54	The Geospatial Web. <i>Advances in Electronic Government, Digital Divide, and Regional Development Book Series</i> , 2013 , 144-171	0.3	10

53	Aerosol optical and radiative properties during summer and winter seasons over Lahore and Karachi. <i>Atmospheric Environment</i> , 2012 , 50, 234-245	5.3	114
52	Disaster risk and vulnerability in Pakistan at a district level. <i>Geomatics, Natural Hazards and Risk</i> , 2012 , 3, 324-341	3.6	35
51	An object-based analysis filtering algorithm for airborne laser scanning. <i>International Journal of Remote Sensing</i> , 2012 , 33, 7099-7116	3.1	27
50	Thermal remote sensing for land surface temperature monitoring: Maraqeh County, Iran 2012 ,		4
49	Comparing GIS-Multicriteria Decision Analysis for landslide susceptibility mapping for the lake basin, Iran 2012 ,		5
48	GIS-based Backcasting: An innovative method for parameterisation of sustainable spatial planning and resource management. <i>Futures</i> , 2012 , 44, 292-302	3.6	21
47	Thermal remote sensing for examining the relationship between urban Land surface Temperature and land use/cover in Tabriz city, Iran 2012 ,		4
46	Virtual Globes: Serving Science and Society. <i>Information (Switzerland)</i> , 2012 , 3, 372-390	2.6	33
45	Ubiquitous geo-sensing for context-aware analysis: exploring relationships between environmental and human dynamics. <i>Sensors</i> , 2012 , 12, 9800-22	3.8	24
44	Integrating spatial models into regional energy system optimisation: focusing on biomass. <i>International Journal of Energy Sector Management</i> , 2012 , 6, 5-32	2.5	6
43	Geographic Information Science as a Common Cause for Interdisciplinary Research. <i>Lecture Notes in Geoinformation and Cartography</i> , 2012 , 411-427	0.3	2
42	Aerosol optical properties and radiative forcing over mega-city Karachi. <i>Atmospheric Research</i> , 2011 , 101, 773-782	5.4	112
41	Remote Sensing-Based Characterization of Settlement Structures for Assessing Local Potential of District Heat. <i>Remote Sensing</i> , 2011 , 3, 1447-1471	5	34
40	Object-Based Image Analysis for Vegetation Mapping and Monitoring. <i>Taylor & Francis Series in Remote Sensing Applications</i> , 2011 , 241-271		9
39	Collective Sensing: Integrating Geospatial Technologies to Understand Urban Systems An Overview. <i>Remote Sensing</i> , 2011 , 3, 1743-1776	5	77
38	Automatic Geographic Object Based Mapping of Streambed and Riparian Zone Extent from LiDAR Data in a Temperate Rural Urban Environment, Australia. <i>Remote Sensing</i> , 2011 , 3, 1139-1156	5	34
37	Geographic Information Science: Building a Doctoral Programme Integrating Interdisciplinary Concepts and Methods. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 21, 139-146		3
36	Monitoring spatio-temporal aerosol patterns over Pakistan based on MODIS, TOMS and MISR satellite data and a HYSPLIT model. <i>Atmospheric Environment</i> , 2011 , 45, 4641-4651	5.3	118

35	Aerosol size distribution and mass concentration measurements in various cities of Pakistan. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 1944-52		46
34	Quantifying the robustness of fuzzy rule sets in object-based image analysis. <i>International Journal of Remote Sensing</i> , 2011 , 32, 7359-7381	3.1	72
33	Application of satellite derived information for disaster risk reduction: vulnerability assessment for southwest coast of Pakistan 2010 ,		3
32	Land cover change assessment using decision trees, support vector machines and maximum likelihood classification algorithms. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2010 , 12, S27-S31	7.3	383
31	Object based image analysis for remote sensing. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2010 , 65, 2-16	11.8	2678
30	Monitoring spatio-temporal variations in aerosols and aerosol/cloud interactions over Pakistan using MODIS data. <i>Advances in Space Research</i> , 2010 , 46, 1162-1176	2.4	65
29	Optimization of scale and parametrization for terrain segmentation: An application to soil-landscape modeling. <i>Computers and Geosciences</i> , 2009 , 35, 1875-1883	4.5	53
28	Data Integration and Visualization for Crisis Applications 2009 , 141-160		
27	Object-based land-cover classification for the Phoenix metropolitan area: optimization vs. transportability. <i>International Journal of Remote Sensing</i> , 2008 , 29, 2021-2040	3.1	85
26	Detecting informal settlements from QuickBird data in Rio de Janeiro using an object based approach. <i>Lecture Notes in Geoinformation and Cartography</i> , 2008 , 531-553	0.3	46
25	Landscape metrics – A toolbox for assessing past, present and future landscape structures 2008 , 207-234		4
24	Terrain Segmentation and Classification using SRTM Data 2008 , 141-158		8
23	Quantifying and Qualifying Urban Green by Integrating Remote Sensing, GIS, and Social Science Method. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008 , 93-105	0.3	7
22	Automated classification of landform elements using object-based image analysis. <i>Geomorphology</i> , 2006 , 81, 330-344	4.3	308
21	The role of the spatial dimension within the framework of sustainable landscapes and natural capital. <i>Landscape and Urban Planning</i> , 2006 , 75, 198-226	7.7	114
20	Landscape structure assessment with image grey-values and object-based classification at three spatial resolutions. <i>International Journal of Remote Sensing</i> , 2005 , 26, 2975-2993	3.1	30
19	Spatial indicators for nature conservation from European to local scale. <i>Ecological Indicators</i> , 2005 , 5, 322-338	5.8	77
18	Can Online Map-Based Applications Improve Citizen Participation?. <i>Lecture Notes in Computer Science</i> , 2005 , 25-35	0.9	17

17	Towards an Integrated Concept for Geographical Information Systems in Disaster Management 2005 , 715-732		1
16	Image Segmentation Methods for Object-based Analysis and Classification. <i>Remote Sensing and Digital Image Processing</i> , 2004 , 211-236	0.2	81
15	A multi-scale segmentation/object relationship modelling methodology for landscape analysis. <i>Ecological Modelling</i> , 2003 , 168, 233-249	3	407
14	A comparison of three image-object methods for the multiscale analysis of landscape structure. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2003 , 57, 327-345	11.8	249
13	Multiscale image analysis for ecological monitoring of heterogeneous, small structured landscapes 2002 ,		6
12	Environmental Monitoring and Management of Protected Areas through Integrated Ecological Information Systems - An EU Perspective 2001 , 75-100		1
11	Object-based contextual image classification built on image segmentation		29
10	Adapting mobile map application designs to map use context: a review and call for action on potential future research themes. <i>Cartography and Geographic Information Science</i> ,1-15	2.1	2
9	A GPU-based Parallelization Approach to conduct Spatially-Explicit Uncertainty and Sensitivity Analysis in the Application Domain of Landscape Assessment. <i>GI_Forum</i> ,1, 44-58		5
8	A comparison of the integrated fuzzy object-based deep learning approach and three machine learning techniques for land use/cover change monitoring and environmental impacts assessment. <i>GIScience and Remote Sensing</i> ,1-28	4.8	6
7	Machine learning data-driven approaches for land use/cover mapping and trend analysis using Google Earth Engine. <i>Journal of Environmental Planning and Management</i> ,1-33	2.8	15
6	The third and fourth dimensions of landscape: Towards conceptual models of topographically complex landscapes. <i>Landscape Online</i> ,22, 1-10		6
5	DATA QUALITY IN REMOTE SENSING. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> ,XLII-2/W7, 447-453	2.5	12
4	PROVIDING DATA QUALITY INFORMATION FOR REMOTE SENSING APPLICATIONS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> ,XLII-3, 15-22	2.5	2
3	Decision tree based ensemble machine learning approaches for landslide susceptibility mapping. <i>Geocarto International</i> ,1-35	2.7	23
2	Fusion of ASTER satellite imagery, geochemical and geology data for gold prospecting in the Astaneh granite intrusive, West Central Iran. <i>International Journal of Image and Data Fusion</i> ,1-24	1.8	4
1	A Comparison between Sentinel-2 and Landsat 8 OLI Satellite Images for Soil Salinity Distribution Mapping Using a Deep Learning Convolutional Neural Network. <i>Canadian Journal of Remote Sensing</i> ,1-17	1.8	1