

Thomas Blaschke

List of Publications by Citations

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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	Object based image analysis for remote sensing. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2010 , 65, 2-16	11.8	2678
231	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
230	The rise of deep learning in drug discovery. <i>Drug Discovery Today</i> , 2018 , 23, 1241-1250	8.8	650
229	A multi-scale segmentation/object relationship modelling methodology for landscape analysis. <i>Ecological Modelling</i> , 2003 , 168, 233-249	3	407
228	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
227	Molecular de-novo design through deep reinforcement learning. <i>Journal of Cheminformatics</i> , 2017 , 9, 48	8.6	352
226	Automated classification of landform elements using object-based image analysis. <i>Geomorphology</i> , 2006 , 81, 330-344	4.3	308
225	Evaluation of Different Machine Learning Methods and Deep-Learning Convolutional Neural Networks for Landslide Detection. <i>Remote Sensing</i> , 2019 , 11, 196	5	264
224	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
223	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
222	A GIS-based extended fuzzy multi-criteria evaluation for landslide susceptibility mapping. <i>Computers and Geosciences</i> , 2014 , 73, 208-221	4.5	195
221	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
220	Application of Generative Autoencoder in De Novo Molecular Design. <i>Molecular Informatics</i> , 2018 , 37, 1700123	3.8	174
219	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
218	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
217	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
216	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

215	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
214	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
213	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
212	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
211	Aerosol optical properties and radiative forcing over mega-city Karachi. <i>Atmospheric Research</i> , 2011 , 101, 773-782	5.4	112
210	'Energy landscapes': Meeting energy demands and human aspirations. <i>Biomass and Bioenergy</i> , 2013 , 55, 3-16	5.3	99
209	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
208	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
207	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
206	Image Segmentation Methods for Object-based Analysis and Classification. <i>Remote Sensing and Digital Image Processing</i> , 2004 , 211-236	0.2	81
205	Collective Sensing: Integrating Geospatial Technologies to Understand Urban Systems An Overview. <i>Remote Sensing</i> , 2011 , 3, 1743-1776	5	77
204	Spatial indicators for nature conservation from European to local scale. <i>Ecological Indicators</i> , 2005 , 5, 322-338	5.8	77
203	Sustainable Urban Transport Planning Considering Different Stakeholder Groups by an Interval-AHP Decision Support Model. <i>Sustainability</i> , 2019 , 11, 9	3.6	74
202	Ontology-Based Classification of Building Types Detected from Airborne Laser Scanning Data. <i>Remote Sensing</i> , 2014 , 6, 1347-1366	5	73
201	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
200	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
199	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
198	Multi-hazard probability assessment and mapping in Iran. <i>Science of the Total Environment</i> , 2019 , 692, 556-571	10.2	70

197	Comparing GIS-based support vector machine kernel functions for landslide susceptibility mapping. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	68
196	Exploring the GDB-13 chemical space using deep generative models. <i>Journal of Cheminformatics</i> , 2019 , 11, 20	8.6	67
195	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
194	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
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	Assessing and mapping multi-hazard risk susceptibility using a machine learning technique. <i>Scientific Reports</i> , 2020 , 10, 3203	4.9	66
191	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
190	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
189	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
188	Urban parks: Visitors' perceptions versus spatial indicators. <i>Land Use Policy</i> , 2017 , 64, 233-244	5.6	60
187	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
186	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
185	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
184	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
183	Spatial Prediction of Wildfire Susceptibility Using Field Survey GPS Data and Machine Learning Approaches. <i>Fire</i> , 2019 , 2, 43	2.4	55
182	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
181	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
180	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

179	Measuring urban agglomeration using a city-scale dasymmetric population map: A study in the Pearl River Delta, China. <i>Habitat International</i> , 2017 , 59, 32-43	4.6	53
178	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
177	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
176	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
175	Forest Fire Susceptibility and Risk Mapping Using Social/Infrastructural Vulnerability and Environmental Variables. <i>Fire</i> , 2019 , 2, 50	2.4	49
174	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
173	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
172	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
171	An Object-Based Semantic Classification Method for High Resolution Remote Sensing Imagery Using Ontology. <i>Remote Sensing</i> , 2017 , 9, 329	5	47
170	Aerosol size distribution and mass concentration measurements in various cities of Pakistan. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 1944-52		46
169	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
168	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
167	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
166	UAV-Based Slope Failure Detection Using Deep-Learning Convolutional Neural Networks. <i>Remote Sensing</i> , 2019 , 11, 2046	5	43
165	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
164	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
163	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
162	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

161	Comparisons of Diverse Machine Learning Approaches for Wildfire Susceptibility Mapping. <i>Symmetry</i> , 2020 , 12, 604	2.7	37
160	Machine Learning-Based Gully Erosion Susceptibility Mapping: A Case Study of Eastern India. <i>Sensors</i> , 2020 , 20,	3.8	37
159	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
158	A multi-criteria spatial deprivation index to support health inequality analyses. <i>International Journal of Health Geographics</i> , 2015 , 14, 11	3.5	35
157	Disaster risk and vulnerability in Pakistan at a district level. <i>Geomatics, Natural Hazards and Risk</i> , 2012 , 3, 324-341	3.6	35
156	Geographic information science as a multidisciplinary and multiparadigmatic field. <i>Cartography and Geographic Information Science</i> , 2014 , 41, 196-213	2.1	34
155	Remote Sensing-Based Characterization of Settlement Structures for Assessing Local Potential of District Heat. <i>Remote Sensing</i> , 2011 , 3, 1447-1471	5	34
154	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
153	Ensemble of Machine-Learning Methods for Predicting Gully Erosion Susceptibility. <i>Remote Sensing</i> , 2020 , 12, 3675	5	34
152	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
151	Virtual Globes: Serving Science and Society. <i>Information (Switzerland)</i> , 2012 , 3, 372-390	2.6	33
150	Flood Susceptibility Assessment Using Novel Ensemble of Hyperpipes and Support Vector Regression Algorithms. <i>Water (Switzerland)</i> , 2021 , 13, 241	3	33
149	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
148	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
147	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
146	Implementation of Artificial Intelligence Based Ensemble Models for Gully Erosion Susceptibility Assessment. <i>Remote Sensing</i> , 2020 , 12, 3620	5	30
145	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
144	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

143	Object-based contextual image classification built on image segmentation		29
142	Morphometric Analysis for Soil Erosion Susceptibility Mapping Using Novel GIS-Based Ensemble Model. <i>Remote Sensing</i> , 2020 , 12, 874	5	29
141	Earthquake Vulnerability Mapping Using Different Hybrid Models. <i>Symmetry</i> , 2020 , 12, 405	2.7	28
140	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
139	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
138	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
137	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
136	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
135	An object-based analysis filtering algorithm for airborne laser scanning. <i>International Journal of Remote Sensing</i> , 2012 , 33, 7099-7116	3.1	27
134	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
133	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
132	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
131	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
130	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
129	Hybrid Computational Intelligence Models for Improvement Gully Erosion Assessment. <i>Remote Sensing</i> , 2020 , 12, 140	5	25
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	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
126	An Efficient Parallel Multi-Scale Segmentation Method for Remote Sensing Imagery. <i>Remote Sensing</i> , 2018 , 10, 590	5	25

125	Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. <i>Sensors</i> , 2020 , 20,	3.8	24
124	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
123	Ubiquitous geo-sensing for context-aware analysis: exploring relationships between environmental and human dynamics. <i>Sensors</i> , 2012 , 12, 9800-22	3.8	24
122	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
121	A GIS-based DRASTIC Model and an Adjusted DRASTIC Model (DRASTICA) for Groundwater Susceptibility Assessment along the China–Pakistan Economic Corridor (CPEC) Route. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 332	2.9	23
120	A framework for spatio-temporal scales and concepts from different disciplines: the ‘vulnerability cube’. <i>Natural Hazards</i> , 2013 , 68, 1343-1369	3	23
119	Decision tree based ensemble machine learning approaches for landslide susceptibility mapping. <i>Geocarto International</i> , 1-35	2.7	23
118	Landslide Susceptibility Mapping Using GIS-Based Data Mining Algorithms. <i>Water (Switzerland)</i> , 2019 , 11, 2292	3	23
117	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
116	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
115	Deprivation, Healthcare Accessibility and Satisfaction: Geographical Context and Scale Implications. <i>Applied Spatial Analysis and Policy</i> , 2018 , 11, 313-332	1.7	21
114	Can ISO-Defined Urban Sustainability Indicators Be Derived from Remote Sensing: An Expert Weighting Approach. <i>Sustainability</i> , 2018 , 10, 1268	3.6	21
113	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
112	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
111	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
110	Explaining Accessibility and Satisfaction Related to Healthcare: A Mixed-Methods Approach. <i>Social Indicators Research</i> , 2017 , 133, 719-739	2.7	20
109	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
108	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

107	Memory-assisted reinforcement learning for diverse molecular de novo design. <i>Journal of Cheminformatics</i> , 2020 , 12, 68	8.6	20
106	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
105	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
104	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
103	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
102	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
101	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
100	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
99	Multi-Hazard Exposure Mapping Using Machine Learning for the State of Salzburg, Austria. <i>Remote Sensing</i> , 2020 , 12, 2757	5	18
98	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
97	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
96	Landslide Mapping Using Two Main Deep-Learning Convolution Neural Network Streams Combined by the Dempster-Shafer Model. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 452-463	4.7	18
95	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
94	Can Online Map-Based Applications Improve Citizen Participation?. <i>Lecture Notes in Computer Science</i> , 2005 , 25-35	0.9	17
93	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
92	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
91	Predicting Habitat Suitability and Conserving Juniperus spp. Habitat Using SVM and Maximum Entropy Machine Learning Techniques. <i>Water (Switzerland)</i> , 2019 , 11, 2049	3	16
90	A Generic Classification Scheme for Urban Structure Types. <i>Remote Sensing</i> , 2019 , 11, 173	5	16

89	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
88	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
87	Modeling Spatial Flood using Novel Ensemble Artificial Intelligence Approaches in Northern Iran. <i>Remote Sensing</i> , 2020 , 12, 3423	5	15
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	Revisiting the Role of Place in Geographic Information Science. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 364	2.9	14
78	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
77	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
76	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
75	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
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