Thomas Blaschke

List of Publications by Year
in descending order

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240 papers	19,863 citations	15466 65 h-index	12910 131 g-index
251 all docs	251 docs citations	251 times ranked	15885 citing authors

#	Article	IF	Citations
1	Object based image analysis for remote sensing. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 2-16.	4.9	3,367
2	Geographic Object-Based Image Analysis â€“ Towards a new paradigm. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 87, 180-191.	4.9	1,167
3	The rise of deep learning in drug discovery. Drug Discovery Today, 2018, 23, 1241-1250.	3.2	1,033
4	Molecular de-novo design through deep reinforcement learning. Journal of Cheminformatics, 2017, 9, 48.	2.8	665
5	Land cover change assessment using decision trees, support vector machines and maximum likelihood classification algorithms. International Journal of Applied Earth Observation and Geoinformation, 2010, 12, S27-S31.	1.4	492
6	Evaluation of Different Machine Learning Methods and Deep-Learning Convolutional Neural Networks for Landslide Detection. Remote Sensing, 2019, 11, 196.	1.8	485
7	A multi-scale segmentation/object relationship modelling methodology for landscape analysis. Ecological Modelling, 2003, 168, 233-249.	1.2	475
8	Automated classification of landform elements using object-based image analysis. Geomorphology, 2006, 81, 330-344.	1.1	373
9	A comparison of three image-object methods for the multiscale analysis of landscape structure. ISPRS Journal of Photogrammetry and Remote Sensing, 2003, 57, 327-345.	4.9	307
10	Understanding and quantifying landscape structure â€“ A review on relevant process characteristics, data models and landscape metrics. Ecological Modelling, 2015, 295, 31-41.	1.2	277
11	Application of Generative Autoencoder in De Novo Molecular Design. Molecular Informatics, 2018, 37, 1700123.	1.4	276
12	A GIS-based extended fuzzy multi-criteria evaluation for landslide susceptibility mapping. Computers and Geosciences, 2014, 73, 208-221.	2.0	262
13	GIS-multicriteria decision analysis for landslide susceptibility mapping: comparing three methods for the Urmia lake basin, Iran. Natural Hazards, 2013, 65, 2105-2128.	1.6	240
14	A GIS based spatially-explicit sensitivity and uncertainty analysis approach for multi-criteria decision analysis. Computers and Geosciences, 2014, 64, 81-95.	2.0	218
15	Land suitability analysis for Tabriz County, Iran: a multi-criteria evaluation approach using GIS. Journal of Environmental Planning and Management, 2013, 56, 1-23.	2.4	216
16	REINVENT 2.0: An AI Tool for De Novo Drug Design. Journal of Chemical Information and Modeling, 2020, 60, 5918-5922.	2.5	170
17	Evaluation of Feature Selection Methods for Object-Based Land Cover Mapping of Unmanned Aerial Vehicle Imagery Using Random Forest and Support Vector Machine Classifiers. ISPRS International Journal of Geo-Information, 2017, 6, 51.	1.4	164
18	Flood susceptibility mapping with machine learning, multi-criteria decision analysis and ensemble using Dempster Shafer Theory. Journal of Hydrology, 2020, 590, 125275.	2.3	152

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19	Aerosol optical properties and radiative forcing over mega-city Karachi. Atmospheric Research, 2011, 101, 773-782.	1.8	148
20	Changes in aerosol optical properties due to dust storms in the Middle East and Southwest Asia. Remote Sensing of Environment, 2014, 143, 216-227.	4.6	148
21	Monitoring spatio-temporal aerosol patterns over Pakistan based on MODIS, TOMS and MISR satellite data and a HYSPLIT model. Atmospheric Environment, 2011, 45, 4641-4651.	1.9	147
22	Aerosol optical and radiative properties during summer and winter seasons over Lahore and Karachi. Atmospheric Environment, 2012, 50, 234-245.	1.9	147
23	A systematic comparison of different object-based classification techniques using high spatial resolution imagery in agricultural environments. International Journal of Applied Earth Observation and Geoinformation, 2016, 49, 87-98.	1.4	141
24	The role of the spatial dimension within the framework of sustainable landscapes and natural capital. Landscape and Urban Planning, 2006, 75, 198-226.	3.4	139
25	â€˜Energy landscapesâ€™: Meeting energy demands andÂhuman aspirations. Biomass and Bioenergy, 2013, 55, 3-16.	2.9	135
26	A Novel Ensemble Approach for Landslide Susceptibility Mapping (LSM) in Darjeeling and Kalimpong Districts, West Bengal, India. Remote Sensing, 2019, 11, 2866.	1.8	130
27	Assessing and mapping multi-hazard risk susceptibility using a machine learning technique. Scientific Reports, 2020, 10, 3203.	1.6	126
28	Landslide Susceptibility Evaluation and Management Using Different Machine Learning Methods in The Gallicash River Watershed, Iran. Remote Sensing, 2020, 12, 475.	1.8	121
29	Objectâ€based landâ€cover classification for the Phoenix metropolitan area: optimization vs. transportability. International Journal of Remote Sensing, 2008, 29, 2021-2040.	1.3	119
30	An uncertainty and sensitivity analysis approach for GIS-based multicriteria landslide susceptibility mapping. International Journal of Geographical Information Science, 2014, 28, 610-638.	2.2	119
31	Multi-hazard probability assessment and mapping in Iran. Science of the Total Environment, 2019, 692, 556-571.	3.9	119
32	Intercomparison of MODIS, MISR, OMI, and CALIPSO aerosol optical depth retrievals for four locations on the Indo-Gangetic plains and validation against AERONET data. Atmospheric Environment, 2015, 111, 113-126.	1.9	116
33	Big Earth data: disruptive changes in Earth observation data management and analysis?. International Journal of Digital Earth, 2020, 13, 832-850.	1.6	114
34	Quantifying the robustness of fuzzy rule sets in object-based image analysis. International Journal of Remote Sensing, 2011, 32, 7359-7381.	1.3	110
35	Sustainable Urban Transport Planning Considering Different Stakeholder Groups by an Interval-AHP Decision Support Model. Sustainability, 2019, 11, 9.	1.6	109
36	Exploring the GDB-13 chemical space using deep generative models. Journal of Cheminformatics, 2019, 11, 20.	2.8	107

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37	Image Segmentation Methods for Object-based Analysis and Classification. Remote Sensing and Digital Image Processing, 2004, , 211-236.	0.7	106
38	Examining Urban Heat Island Relations to Land Use and Air Pollution: Multiple Endmember Spectral Mixture Analysis for Thermal Remote Sensing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1749-1756.	2.3	103
39	Landslide Detection Using Multi-Scale Image Segmentation and Different Machine Learning Models in the Higher Himalayas. Remote Sensing, 2019, 11, 2575.	1.8	103
40	GIS-based forest fire risk mapping using the analytical network process and fuzzy logic. Journal of Environmental Planning and Management, 2020, 63, 481-499.	2.4	102
41	Forest Fire Susceptibility and Risk Mapping Using Social/Infrastructural Vulnerability and Environmental Variables. Fire, 2019, 2, 50.	1.2	101
42	Spatial Prediction of Wildfire Susceptibility Using Field Survey GPS Data and Machine Learning Approaches. Fire, 2019, 2, 43.	1.2	100
43	Flood Susceptibility Assessment Using Novel Ensemble of Hyperpipes and Support Vector Regression Algorithms. Water (Switzerland), 2021, 13, 241.	1.2	100
44	Collective Sensing: Integrating Geospatial Technologies to Understand Urban Systemsâ€"An Overview. Remote Sensing, 2011, 3, 1743-1776.	1.8	99
45	Monitoring spatio-temporal variations in aerosols and aerosolâ€"cloud interactions over Pakistan using MODIS data. Advances in Space Research, 2010, 46, 1162-1176.	1.2	96
46	Ontology-Based Classification of Building Types Detected from Airborne Laser Scanning Data. Remote Sensing, 2014, 6, 1347-1366.	1.8	94
47	Comparing GIS-based support vector machine kernel functions for landslide susceptibility mapping. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	93
48	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. Natural Hazards, 2018, 94, 497-517.	1.6	93
49	Analysing Stakeholder Consensus for a Sustainable Transport Development Decision by the Fuzzy AHP and Interval AHP. Sustainability, 2019, 11, 3271.	1.6	90
50	Spatial indicators for nature conservation from European to local scale. Ecological Indicators, 2005, 5, 322-338.	2.6	89
51	Multi-criteria risk evaluation by integrating an analytical network process approach into GIS-based sensitivity and uncertainty analyses. Geomatics, Natural Hazards and Risk, 2018, 9, 127-151.	2.0	89
52	GIS-based ordered weighted averaging and Dempsterâ€"Shafer methods for landslide susceptibility mapping in the Urmia Lake Basin, Iran. International Journal of Digital Earth, 2014, 7, 688-708.	1.6	86
53	Urban parks: Visitorsâ€™ perceptions versus spatial indicators. Land Use Policy, 2017, 64, 233-244.	2.5	85
54	Spatial vulnerability assessment of floods in the coastal regions of Bangladesh. Geomatics, Natural Hazards and Risk, 2015, 6, 21-44.	2.0	82

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55	On the Morphology and Composition of Particulate Matter in an Urban Environment. Aerosol and Air Quality Research, 2018, 18, 1431-1447.	0.9	81
56	Flood susceptibility mapping using an improved analytic network process with statistical models. Geomatics, Natural Hazards and Risk, 2020, 11, 2282-2314.	2.0	79
57	Building Extraction from Airborne Laser Scanning Data: An Analysis of the State of the Art. Remote Sensing, 2015, 7, 3826-3862.	1.8	77
58	Comparisons of Diverse Machine Learning Approaches for Wildfire Susceptibility Mapping. Symmetry, 2020, 12, 604.	1.1	77
59	Object-Based Image Analysis and Digital Terrain Analysis for Locating Landslides in the Urmia Lake Basin, Iran. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4806-4817.	2.3	76
60	A Comparative Assessment of Random Forest and k-Nearest Neighbor Classifiers for Gully Erosion Susceptibility Mapping. Water (Switzerland), 2019, 11, 2076.	1.2	75
61	A new GIS-based technique using an adaptive neuro-fuzzy inference system for land subsidence susceptibility mapping. Journal of Spatial Science, 2020, 65, 401-418.	1.0	75
62	Object-Based Change Detection in Urban Areas: The Effects of Segmentation Strategy, Scale, and Feature Space on Unsupervised Methods. Remote Sensing, 2016, 8, 761.	1.8	74
63	UAV-Based Slope Failure Detection Using Deep-Learning Convolutional Neural Networks. Remote Sensing, 2019, 11, 2046.	1.8	73
64	Aerosol size distribution and mass concentration measurements in various cities of Pakistan. Journal of Environmental Monitoring, 2011, 13, 1944.	2.1	72
65	Contextual Sensing: Integrating Contextual Information with Human and Technical Geo-Sensor Information for Smart Cities. Sensors, 2015, 15, 17013-17035.	2.1	72
66	Machine Learning-Based Gully Erosion Susceptibility Mapping: A Case Study of Eastern India. Sensors, 2020, 20, 1313.	2.1	71
67	Detecting informal settlements from QuickBird data in Rio de Janeiro using an object based approach. Lecture Notes in Geoinformation and Cartography, 2008, , 531-553.	0.5	69
68	Measuring urban agglomeration using a city-scale dasymetric population map: A study in the Pearl River Delta, China. Habitat International, 2017, 59, 32-43.	2.3	69
69	A Comparative Study of Statistics-Based Landslide Susceptibility Models: A Case Study of the Region Affected by the Gorkha Earthquake in Nepal. ISPRS International Journal of Geo-Information, 2019, 8, 94.	1.4	67
70	Landslide detection using deep learning and object-based image analysis. Landslides, 2022, 19, 929-939.	2.7	66
71	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). Scientific Reports, 2021, 11, 14629.	1.6	65
72	An Integrated Approach of Best-Worst Method (BWM) and Triangular Fuzzy Sets for Evaluating Driver Behavior Factors Related to Road Safety. Mathematics, 2020, 8, 414.	1.1	64

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73	Prediction of landslide susceptibility in Rudraprayag, India using novel ensemble of conditional probability and boosted regression tree-based on cross-validation method. Science of the Total Environment, 2021, 764, 142928.	3.9	64
74	Optimization of scale and parametrization for terrain segmentation: An application to soil-landscape modeling. Computers and Geosciences, 2009, 35, 1875-1883.	2.0	62
75	Monitoring land surface temperature relationship to land use/land cover from satellite imagery in Maraqeh County, Iran. Journal of Environmental Planning and Management, 2013, 56, 1290-1315.	2.4	62
76	Evaluating fuzzy operators of an object-based image analysis for detecting landslides and their changes. Geomorphology, 2017, 293, 240-254.	1.1	61
77	An interval matrix method used to optimize the decision matrix in AHP technique for land subsidence susceptibility mapping. Environmental Earth Sciences, 2018, 77, 1.	1.3	61
78	Decision tree based ensemble machine learning approaches for landslide susceptibility mapping. Geocarto International, 2022, 37, 4594-4627.	1.7	60
79	Ensemble of Machine-Learning Methods for Predicting Gully Erosion Susceptibility. Remote Sensing, 2020, 12, 3675.	1.8	59
80	Morphometric Analysis for Soil Erosion Susceptibility Mapping Using Novel GIS-Based Ensemble Model. Remote Sensing, 2020, 12, 874.	1.8	58
81	Disaster risk and vulnerability in Pakistan at a district level. Geomatics, Natural Hazards and Risk, 2012, 3, 324-341.	2.0	57
82	Implementation of Artificial Intelligence Based Ensemble Models for Gully Erosion Susceptibility Assessment. Remote Sensing, 2020, 12, 3620.	1.8	56
83	Machine learning data-driven approaches for land use/cover mapping and trend analysis using Google Earth Engine. Journal of Environmental Planning and Management, 2023, 66, 665-697.	2.4	55
84	An Object-Based Semantic Classification Method for High Resolution Remote Sensing Imagery Using Ontology. Remote Sensing, 2017, 9, 329.	1.8	54
85	Application of the AHP-BWM Model for Evaluating Driver Behavior Factors Related to Road Safety: A Case Study for Budapest. Symmetry, 2020, 12, 243.	1.1	54
86	Memory-assisted reinforcement learning for diverse molecular de novo design. Journal of Cheminformatics, 2020, 12, 68.	2.8	53
87	An Object-Based Workflow to Extract Landforms at Multiple Scales From Two Distinct Data Types. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 947-951.	1.4	52
88	Spatiotemporal evolution of urban agglomerations in China during 2000â€“2012: a nighttime light approach. Landscape Ecology, 2020, 35, 421-434.	1.9	51
89	A multi-criteria spatial deprivation index to support health inequality analyses. International Journal of Health Geographics, 2015, 14, 11.	1.2	50
90	Rapid mapping of landslides in the Western Ghats (India) triggered by 2018 extreme monsoon rainfall using a deep learning approach. Landslides, 2021, 18, 1937-1950.	2.7	50

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91	Detection of Gully-Affected Areas by Applying Object-Based Image Analysis (OBIA) in the Region of Taroudannt, Morocco. Remote Sensing, 2014, 6, 8287-8309.	1.8	49
92	Exploring semantic elements for urban scene recognition: Deep integration of high-resolution imagery and OpenStreetMap (OSM). ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 237-250.	4.9	49
93	Proposing a Novel Predictive Technique for Gully Erosion Susceptibility Mapping in Arid and Semi-arid Regions (Iran). Remote Sensing, 2019, 11, 2577.	1.8	49
94	Flash-Flood Potential Mapping Using Deep Learning, Alternating Decision Trees and Data Provided by Remote Sensing Sensors. Sensors, 2021, 21, 280.	2.1	48
95	Mapping potential nature-based tourism areas by applying GIS-decision making systems in East Azerbaijan Province, Iran. Journal of Ecotourism, 2019, 18, 261-283.	1.5	47
96	Multi-Hazard Exposure Mapping Using Machine Learning for the State of Salzburg, Austria. Remote Sensing, 2020, 12, 2757.	1.8	47
97	Variability of aerosol optical depth and their impact on cloud properties in Pakistan. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 107, 104-112.	0.6	46
98	Application of Probabilistic and Machine Learning Models for Groundwater Potentiality Mapping in Damghan Sedimentary Plain, Iran. Remote Sensing, 2019, 11, 3015.	1.8	46
99	Object-based contextual image classification built on image segmentation. , 0, , .		45
100	Source Apportionment and Characterization of Particulate Matter (PM10) in Urban Environment of Lahore. Aerosol and Air Quality Research, 2014, 14, 1851-1861.	0.9	45
101	Beyond Spatial Proximityâ€"Classifying Parks and Their Visitors in London Based on Spatiotemporal and Sentiment Analysis of Twitter Data. ISPRS International Journal of Geo-Information, 2018, 7, 378.	1.4	45
102	A deep learning convolutional neural network algorithm for detecting saline flow sources and mapping the environmental impacts of the Urmia Lake drought in Iran. Catena, 2021, 207, 105585.	2.2	45
103	An automated deep learning convolutional neural network algorithm applied for soil salinity distribution mapping in Lake Urmia, Iran. Science of the Total Environment, 2021, 778, 146253.	3.9	44
104	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. Science of the Total Environment, 2021, 790, 148272.	3.9	44
105	Geographic information science as a multidisciplinary and multiparadigmatic field. Cartography and Geographic Information Science, 2014, 41, 196-213.	1.4	42
106	Modeling Spatial Flood using Novel Ensemble Artificial Intelligence Approaches in Northern Iran. Remote Sensing, 2020, 12, 3423.	1.8	41
107	Measuring the progress of a recovery process after an earthquake: The case of L'aquila, Italy. International Journal of Disaster Risk Reduction, 2018, 28, 450-464.	1.8	40
108	An Efficient Parallel Multi-Scale Segmentation Method for Remote Sensing Imagery. Remote Sensing, 2018, 10, 590.	1.8	40

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109	Landslide Susceptibility Mapping Using GIS-Based Data Mining Algorithms. Water (Switzerland), 2019, 11, 2292.	1.2	40
110	A GIS-based DRASTIC Model and an Adjusted DRASTIC Model (DRASTICA) for Groundwater Susceptibility Assessment along the Chinaâ€“Pakistan Economic Corridor (CPEC) Route. ISPRS International Journal of Geo-Information, 2020, 9, 332.	1.4	40
111	Earthquake Vulnerability Mapping Using Different Hybrid Models. Symmetry, 2020, 12, 405.	1.1	40
112	Remote Sensing-Based Characterization of Settlement Structures for Assessing Local Potential of District Heat. Remote Sensing, 2011, 3, 1447-1471.	1.8	39
113	An efficient GIS-based approach for sustainability assessment of urban drinking water consumption patterns: A study in Tabriz city, Iran. Sustainable Cities and Society, 2021, 64, 102584.	5.1	39
114	Comparison of multi-criteria and artificial intelligence models for land-subsidence susceptibility zonation. Journal of Environmental Management, 2021, 284, 112067.	3.8	39
115	Automatic Geographic Object Based Mapping of Streambed and Riparian Zone Extent from LiDAR Data in a Temperate Rural Urban Environment, Australia. Remote Sensing, 2011, 3, 1139-1156.	1.8	38
116	Virtual Globes: Serving Science and Society. Information (Switzerland), 2012, 3, 372-390.	1.7	38
117	Monitoring recovery after earthquakes through the integration of remote sensing, GIS, and ground observations: the case of Lâ€™Aquila (Italy). Cartography and Geographic Information Science, 2016, 43, 115-133.	1.4	38
118	Lack of spatial resilience in a recovery process: Case L'Aquila, Italy. Technological Forecasting and Social Change, 2017, 121, 76-88.	6.2	38
119	Landslide Mapping Using Two Main Deep-Learning Convolution Neural Network Streams Combined by the Dempsterâ€“Shafer Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 452-463.	2.3	37
120	Comparing Subjective and Objective Quality of Life Criteria: A Case Study of Green Space and Public Transport in Vienna, Austria. Social Indicators Research, 2015, 124, 911-927.	1.4	36
121	An integrated object-based image analysis and CA-Markov model approach for modeling land use/land cover trends in the Sarab plain. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	36
122	Comparison and validation of per-pixel and object-based approaches for landslide susceptibility mapping. Geomatics, Natural Hazards and Risk, 2020, 11, 572-600.	2.0	36
123	Mapping Land Cover and Tree Canopy Cover in Zagros Forests of Iran: Application of Sentinel-2, Google Earth, and Field Data. Remote Sensing, 2020, 12, 1912.	1.8	36
124	Landscape structure assessment with image greyâ€values and objectâ€based classification at three spatial resolutions. International Journal of Remote Sensing, 2005, 26, 2975-2993.	1.3	35
125	A wavelet coherence approach to prioritizing influencing factors of land surface temperature and associated research scales. Remote Sensing of Environment, 2020, 246, 111866.	4.6	35
126	A Google Earth Engine Approach for Wildfire Susceptibility Prediction Fusion with Remote Sensing Data of Different Spatial Resolutions. Remote Sensing, 2022, 14, 672.	1.8	35

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127	A building extraction approach for Airborne Laser Scanner data utilizing the Object Based Image Analysis paradigm. International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 137-148.	1.4	34
128	An object based image analysis applied for volcanic and glacial landforms mapping in Sahand Mountain, Iran. Catena, 2021, 198, 105073.	2.2	34
129	A framework for spatio-temporal scales and concepts from different disciplines: the â€˜vulnerability cubeâ€™. Natural Hazards, 2013, 68, 1343-1369.	1.6	33
130	Spatial connectivity as a recovery process indicator: The L'Aquila earthquake. Technological Forecasting and Social Change, 2013, 80, 1782-1803.	6.2	33
131	Myths and realities about the recovery of L×³Aquila after the earthquake. International Journal of Disaster Risk Reduction, 2014, 8, 125-142.	1.8	33
132	Hybrid Computational Intelligence Models for Improvement Gully Erosion Assessment. Remote Sensing, 2020, 12, 140.	1.8	33
133	Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. Sensors, 2020, 20, 335.	2.1	33
134	Landslide Susceptibility Mapping for Austria Using Geons and Optimization with the Dempster-Shafer Theory. Applied Sciences (Switzerland), 2019, 9, 5393.	1.3	32
135	Analyzing the Importance of Driver Behavior Criteria Related to Road Safety for Different Driving Cultures. International Journal of Environmental Research and Public Health, 2020, 17, 1893.	1.2	32
136	Explaining Accessibility and Satisfaction Related to Healthcare: A Mixed-Methods Approach. Social Indicators Research, 2017, 133, 719-739.	1.4	31
137	Predicting Habitat Suitability and Conserving Juniperus spp. Habitat Using SVM and Maximum Entropy Machine Learning Techniques. Water (Switzerland), 2019, 11, 2049.	1.2	31
138	Gully erosion susceptibility mapping (GESM) using machine learning methods optimized by the multiâ€˜collinearity analysis and K-fold cross-validation. Geomatics, Natural Hazards and Risk, 2020, 11, 1653-1678.	2.0	31
139	A Generic Classification Scheme for Urban Structure Types. Remote Sensing, 2019, 11, 173.	1.8	30
140	Gully Head-Cut Distribution Modeling Using Machine Learning Methodsâ€”A Case Study of N.W. Iran. Water (Switzerland), 2020, 12, 16.	1.2	30
141	An object-based analysis filtering algorithm for airborne laser scanning. International Journal of Remote Sensing, 2012, 33, 7099-7116.	1.3	29
142	Towards a framework for agent-based image analysis of remote-sensing data. International Journal of Image and Data Fusion, 2015, 6, 115-137.	0.8	29
143	Place versus Space: From Points, Lines and Polygons in GIS to Place-Based Representations Reflecting Language and Culture. ISPRS International Journal of Geo-Information, 2018, 7, 452.	1.4	29
144	Geobia Achievements and Spatial Opportunities in the Era of Big Earth Observation Data. ISPRS International Journal of Geo-Information, 2019, 8, 474.	1.4	29

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145	Forest fire susceptibility modeling using hybrid approaches. Transactions in GIS, 2021, 25, 311-333.	1.0	29
146	Deprivation, Healthcare Accessibility and Satisfaction: Geographical Context and Scale Implications. Applied Spatial Analysis and Policy, 2018, 11, 313-332.	1.0	28
147	Can ISO-Defined Urban Sustainability Indicators Be Derived from Remote Sensing: An Expert Weighting Approach. Sustainability, 2018, 10, 1268.	1.6	28
148	Fuzzy Object-Based Image Analysis Methods Using Sentinel-2A and Landsat-8 Data to Map and Characterize Soil Surface Residue. Remote Sensing, 2019, 11, 2583.	1.8	28
149	Classification of Aerosols in an Urban Environment on the Basis of Optical Measurements. Aerosol and Air Quality Research, 2016, 16, 2535-2549.	0.9	27
150	National-Scale Landslide Susceptibility Mapping in Austria Using Fuzzy Best-Worst Multi-Criteria Decision-Making. ISPRS International Journal of Geo-Information, 2020, 9, 393.	1.4	27
151	Ubiquitous Geo-Sensing for Context-Aware Analysis: Exploring Relationships between Environmental and Human Dynamics. Sensors, 2012, 12, 9800-9822.	2.1	26
152	GIS-based Backcasting: An innovative method for parameterisation of sustainable spatial planning and resource management. Futures, 2012, 44, 292-302.	1.4	26
153	Long-term (2007â€“2013) analysis of aerosol optical properties over four locations in the Indo-Gangetic plains. Applied Optics, 2016, 55, 6199.	2.1	26
154	Integrating land development size, pattern, and density to identify urbanâ€“rural fringe in a metropolitan region. Landscape Ecology, 2020, 35, 2045-2059.	1.9	26
155	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. GIScience and Remote Sensing, 2021, 58, 1543-1570.	2.4	26
156	Machine Learning Distinguishes with High Accuracy between Pan-Assay Interference Compounds That Are Promiscuous or Represent Dark Chemical Matter. Journal of Medicinal Chemistry, 2018, 61, 10255-10264.	2.9	25
157	Scenario-based analysis of the impacts of lake drying on food production in the Lake Urmia Basin of Northern Iran. Scientific Reports, 2022, 12, 6237.	1.6	25
158	Can Online Map-Based Applications Improve Citizen Participation?. Lecture Notes in Computer Science, 2005, , 25-35.	1.0	24
159	Unsupervised Deep Learning for Landslide Detection from Multispectral Sentinel-2 Imagery. Remote Sensing, 2021, 13, 4698.	1.8	23
160	Revisiting the Role of Place in Geographic Information Science. ISPRS International Journal of Geo-Information, 2018, 7, 364.	1.4	22
161	Assessing the Link between Human Modification and Changes in Land Surface Temperature in Hainan, China Using Image Archives from Google Earth Engine. Remote Sensing, 2020, 12, 888.	1.8	22
162	Optimizing Sample Patches Selection of CNN to Improve the mIOU on Landslide Detection. , 2019, , .		22

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163	Fusion of TerraSAR-x and Landsat ETM+ data for protected area mapping in Uganda. International Journal of Applied Earth Observation and Geoinformation, 2015, 38, 99-104.	1.4	21
164	Traffic Accident Spatial Simulation Modeling for Planning of Road Emergency Services. ISPRS International Journal of Geo-Information, 2019, 8, 371.	1.4	21
165	Assessing and Representing Livability through the Analysis of Residential Preference. Sustainability, 2019, 11, 4934.	1.6	21
166	New spatial dimensions of global cityscapes: From reviewing existing concepts to a conceptual spatial approach. Journal of Chinese Geography, 2016, 26, 355-380.	1.5	20
167	Local Geographic Variation of Public Services Inequality: Does the Neighborhood Scale Matter?. International Journal of Environmental Research and Public Health, 2016, 13, 981.	1.2	18
168	Prediction of Different Classes of Promiscuous and Nonpromiscuous Compounds Using Machine Learning and Nearest Neighbor Analysis. ACS Omega, 2019, 4, 6883-6890.	1.6	18
169	DATA QUALITY IN REMOTE SENSING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 447-453.	0.2	18
170	Evaluation of Different Landslide Susceptibility Models for a Local Scale in the Chitral District, Northern Pakistan. Sensors, 2022, 22, 3107.	2.1	18
171	Scale matters: a survey of the concepts of scale used in spatial disciplines. European Journal of Remote Sensing, 2019, 52, 419-434.	1.7	17
172	Opportunities and Challenges of Geospatial Analysis for Promoting Urban Livability in the Era of Big Data and Machine Learning. ISPRS International Journal of Geo-Information, 2020, 9, 752.	1.4	17
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