

Himan Shahabi

List of Publications by Citations

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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.

154
papers

9,365
citations

61
h-index

93
g-index

164
ext. papers

12,089
ext. citations

4.1
avg, IF

6.92
L-index

#	Paper	IF	Citations
154	A comparative assessment of decision trees algorithms for flash flood susceptibility modeling at Haraz watershed, northern Iran. <i>Science of the Total Environment</i> , 2018 , 627, 744-755	10.2	326
153	A novel hybrid artificial intelligence approach for flood susceptibility assessment. <i>Environmental Modelling and Software</i> , 2017 , 95, 229-245	5.2	272
152	A comparative assessment of flood susceptibility modeling using Multi-Criteria Decision-Making Analysis and Machine Learning Methods. <i>Journal of Hydrology</i> , 2019 , 573, 311-323	6	228
151	Assessment of advanced random forest and decision tree algorithms for modeling rainfall-induced landslide susceptibility in the Izu-Oshima Volcanic Island, Japan. <i>Science of the Total Environment</i> , 2019 , 662, 332-346	10.2	226
150	Landslide susceptibility mapping using GIS-based statistical models and Remote sensing data in tropical environment. <i>Scientific Reports</i> , 2015 , 5, 9899	4.9	208
149	Performance evaluation of the GIS-based data mining techniques of best-first decision tree, random forest, and naïve Bayes tree for landslide susceptibility modeling. <i>Science of the Total Environment</i> , 2018 , 644, 1006-1018	10.2	206
148	Landslide susceptibility mapping at central Zab basin, Iran: A comparison between analytical hierarchy process, frequency ratio and logistic regression models. <i>Catena</i> , 2014 , 115, 55-70	5.8	206
147	Landslide susceptibility modelling using GIS-based machine learning techniques for Chongren County, Jiangxi Province, China. <i>Science of the Total Environment</i> , 2018 , 626, 1121-1135	10.2	191
146	Shallow landslide susceptibility assessment using a novel hybrid intelligence approach. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	165
145	Machine learning methods for landslide susceptibility studies: A comparative overview of algorithm performance. <i>Earth-Science Reviews</i> , 2020 , 207, 103225	10.2	162
144	Applying population-based evolutionary algorithms and a neuro-fuzzy system for modeling landslide susceptibility. <i>Catena</i> , 2019 , 172, 212-231	5.8	162
143	Landslide susceptibility modeling using Reduced Error Pruning Trees and different ensemble techniques: Hybrid machine learning approaches. <i>Catena</i> , 2019 , 175, 203-218	5.8	157
142	GIS-based landslide susceptibility evaluation using a novel hybrid integration approach of bivariate statistical based random forest method. <i>Catena</i> , 2018 , 164, 135-149	5.8	152
141	Novel forecasting approaches using combination of machine learning and statistical models for flood susceptibility mapping. <i>Journal of Environmental Management</i> , 2018 , 217, 1-11	7.9	147
140	Modeling flood susceptibility using data-driven approaches of naïve Bayes tree, alternating decision tree, and random forest methods. <i>Science of the Total Environment</i> , 2020 , 701, 134979	10.2	146
139	Meta optimization of an adaptive neuro-fuzzy inference system with grey wolf optimizer and biogeography-based optimization algorithms for spatial prediction of landslide susceptibility. <i>Catena</i> , 2019 , 175, 430-445	5.8	143
138	An integrated artificial neural network model for the landslide susceptibility assessment of Osado Island, Japan. <i>Natural Hazards</i> , 2015 , 78, 1749-1776	3	135

137	A novel hybrid artificial intelligence approach based on the rotation forest ensemble and naïve Bayes tree classifiers for a landslide susceptibility assessment in Langao County, China. <i>Geomatics, Natural Hazards and Risk</i> , 2017 , 8, 1955-1977	3.6	127
136	Improved landslide assessment using support vector machine with bagging, boosting, and stacking ensemble machine learning framework in a mountainous watershed, Japan. <i>Landslides</i> , 2020 , 17, 641-658	6.6	125
135	Flood susceptibility assessment using integration of adaptive network-based fuzzy inference system (ANFIS) and biogeography-based optimization (BBO) and BAT algorithms (BA). <i>Geocarto International</i> , 2019 , 34, 1252-1272	2.7	124
134	Hybrid artificial intelligence models based on a neuro-fuzzy system and metaheuristic optimization algorithms for spatial prediction of wildfire probability. <i>Agricultural and Forest Meteorology</i> , 2019 , 266-267, 198-207	5.8	123
133	Optimization of Causative Factors for Landslide Susceptibility Evaluation Using Remote Sensing and GIS Data in Parts of Niigata, Japan. <i>PLoS ONE</i> , 2015 , 10, e0133262	3.7	121
132	Flood susceptibility modelling using novel hybrid approach of reduced-error pruning trees with bagging and random subspace ensembles. <i>Journal of Hydrology</i> , 2019 , 575, 864-873	6	120
131	New Hybrids of ANFIS with Several Optimization Algorithms for Flood Susceptibility Modeling. <i>Water (Switzerland)</i> , 2018 , 10, 1210	3	120
130	A Comparative Study of PSO-ANN, GA-ANN, ICA-ANN, and ABC-ANN in Estimating the Heating Load of Buildings Energy Efficiency for Smart City Planning. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2630	2.6	119
129	Landslide spatial modelling using novel bivariate statistical based Naïve Bayes, RBF Classifier, and RBF Network machine learning algorithms. <i>Science of the Total Environment</i> , 2019 , 663, 1-15	10.2	112
128	Flood susceptibility mapping in Dingnan County (China) using adaptive neuro-fuzzy inference system with biogeography based optimization and imperialistic competitive algorithm. <i>Journal of Environmental Management</i> , 2019 , 247, 712-729	7.9	110
127	Landslide Susceptibility Modeling Based on GIS and Novel Bagging-Based Kernel Logistic Regression. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2540	2.6	108
126	Modelling gully-erosion susceptibility in a semi-arid region, Iran: Investigation of applicability of certainty factor and maximum entropy models. <i>Science of the Total Environment</i> , 2019 , 655, 684-696	10.2	103
125	Remote sensing and GIS-based landslide susceptibility mapping using frequency ratio, logistic regression, and fuzzy logic methods at the central Zab basin, Iran. <i>Environmental Earth Sciences</i> , 2015 , 73, 8647-8668	2.9	102
124	Novel GIS Based Machine Learning Algorithms for Shallow Landslide Susceptibility Mapping. <i>Sensors</i> , 2018 , 18,	3.8	100
123	Mapping Groundwater Potential Using a Novel Hybrid Intelligence Approach. <i>Water Resources Management</i> , 2019 , 33, 281-302	3.7	97
122	Flood Detection and Susceptibility Mapping Using Sentinel-1 Remote Sensing Data and a Machine Learning Approach: Hybrid Intelligence of Bagging Ensemble Based on K-Nearest Neighbor Classifier. <i>Remote Sensing</i> , 2020 , 12, 266	5	96
121	Groundwater spring potential modelling: Comprising the capability and robustness of three different modeling approaches. <i>Journal of Hydrology</i> , 2018 , 565, 248-261	6	96
120	Automatic Case-Based Reasoning Approach for Landslide Detection: Integration of Object-Oriented Image Analysis and a Genetic Algorithm. <i>Remote Sensing</i> , 2015 , 7, 4318-4342	5	92

119	Novel Hybrid Evolutionary Algorithms for Spatial Prediction of Floods. <i>Scientific Reports</i> , 2018 , 8, 15364	4.9	92
118	Hybrid Machine Learning Approaches for Landslide Susceptibility Modeling. <i>Forests</i> , 2019 , 10, 157	2.8	91
117	Spatial Prediction of Landslide Susceptibility Using GIS-Based Data Mining Techniques of ANFIS with Whale Optimization Algorithm (WOA) and Grey Wolf Optimizer (GWO). <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3755	2.6	89
116	Land Subsidence Susceptibility Mapping in South Korea Using Machine Learning Algorithms. <i>Sensors</i> , 2018 , 18,	3.8	89
115	Predicting uncertainty of machine learning models for modelling nitrate pollution of groundwater using quantile regression and UNEEC methods. <i>Science of the Total Environment</i> , 2019 , 688, 855-866	10.2	89
114	Landslide Detection and Susceptibility Mapping by AIRSAR Data Using Support Vector Machine and Index of Entropy Models in Cameron Highlands, Malaysia. <i>Remote Sensing</i> , 2018 , 10, 1527	5	88
113	Landslide Susceptibility Assessment by Novel Hybrid Machine Learning Algorithms. <i>Sustainability</i> , 2019 , 11, 4386	3.6	87
112	Novel hybrid artificial intelligence approach of bivariate statistical-methods-based kernel logistic regression classifier for landslide susceptibility modeling. <i>Bulletin of Engineering Geology and the Environment</i> , 2019 , 78, 4397-4419	4	87
111	Handling high predictor dimensionality in slope-unit-based landslide susceptibility models through LASSO-penalized Generalized Linear Model. <i>Environmental Modelling and Software</i> , 2017 , 97, 145-156	5.2	84
110	Flood Spatial Modeling in Northern Iran Using Remote Sensing and GIS: A Comparison between Evidential Belief Functions and Its Ensemble with a Multivariate Logistic Regression Model. <i>Remote Sensing</i> , 2019 , 11, 1589	5	82
109	A novel ensemble approach of bivariate statistical-based logistic model tree classifier for landslide susceptibility assessment. <i>Geocarto International</i> , 2018 , 33, 1398-1420	2.7	80
108	Evaluating scale effects of topographic variables in landslide susceptibility models using GIS-based machine learning techniques. <i>Scientific Reports</i> , 2019 , 9, 12296	4.9	80
107	A novel hybrid integration model using support vector machines and random subspace for weather-triggered landslide susceptibility assessment in the Wuning area (China). <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	79
106	Evaluating GIS-Based Multiple Statistical Models and Data Mining for Earthquake and Rainfall-Induced Landslide Susceptibility Using the LiDAR DEM. <i>Remote Sensing</i> , 2019 , 11, 638	5	79
105	A novel hybrid approach of Bayesian Logistic Regression and its ensembles for landslide susceptibility assessment. <i>Geocarto International</i> , 2019 , 34, 1427-1457	2.7	79
104	A novel hybrid approach of landslide susceptibility modelling using rotation forest ensemble and different base classifiers. <i>Geocarto International</i> , 2020 , 35, 1267-1292	2.7	79
103	A comparative study between popular statistical and machine learning methods for simulating volume of landslides. <i>Catena</i> , 2017 , 157, 213-226	5.8	77
102	Novel Hybrid Integration Approach of Bagging-Based Fisher's Linear Discriminant Function for Groundwater Potential Analysis. <i>Natural Resources Research</i> , 2019 , 28, 1239-1258	4.9	77

101	Different sampling strategies for predicting landslide susceptibilities are deemed less consequential with deep learning. <i>Science of the Total Environment</i> , 2020 , 720, 137320	10.2	75
100	Shallow Landslide Susceptibility Mapping: A Comparison between Logistic Model Tree, Logistic Regression, Naïve Bayes Tree, Artificial Neural Network, and Support Vector Machine Algorithms. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	73
99	Evaluating the usage of tree-based ensemble methods in groundwater spring potential mapping. <i>Journal of Hydrology</i> , 2020 , 583, 124602	6	68
98	A Novel Integrated Approach of Relevance Vector Machine Optimized by Imperialist Competitive Algorithm for Spatial Modeling of Shallow Landslides. <i>Remote Sensing</i> , 2018 , 10, 1538	5	67
97	Spatial prediction of landslide susceptibility by combining evidential belief function, logistic regression and logistic model tree. <i>Geocarto International</i> , 2019 , 34, 1177-1201	2.7	63
96	Landslide susceptibility assessment at the Wuning area, China: a comparison between multi-criteria decision making, bivariate statistical and machine learning methods. <i>Natural Hazards</i> , 2019 , 96, 173-212 ³		63
95	Uncertainties of prediction accuracy in shallow landslide modeling: Sample size and raster resolution. <i>Catena</i> , 2019 , 178, 172-188	5.8	62
94	Evaluating Boolean, AHP and WLC methods for the selection of waste landfill sites using GIS and satellite images. <i>Environmental Earth Sciences</i> , 2014 , 71, 4221-4233	2.9	61
93	New Ensemble Models for Shallow Landslide Susceptibility Modeling in a Semi-Arid Watershed. <i>Forests</i> , 2019 , 10, 743	2.8	60
92	A Novel Ensemble Artificial Intelligence Approach for Gully Erosion Mapping in a Semi-Arid Watershed (Iran). <i>Sensors</i> , 2019 , 19,	3.8	60
91	Drought sensitivity mapping using two one-class support vector machine algorithms. <i>Atmospheric Research</i> , 2017 , 193, 73-82	5.4	58
90	Shallow Landslide Prediction Using a Novel Hybrid Functional Machine Learning Algorithm. <i>Remote Sensing</i> , 2019 , 11, 931	5	58
89	Fuzzy Shannon Entropy: A Hybrid GIS-Based Landslide Susceptibility Mapping Method. <i>Entropy</i> , 2016 , 18, 343	2.8	56
88	Social Vulnerability Assessment Using Artificial Neural Network (ANN) Model for Earthquake Hazard in Tabriz City, Iran. <i>Sustainability</i> , 2018 , 10, 3376	3.6	55
87	Shallow Landslide Susceptibility Mapping by Random Forest Base Classifier and Its Ensembles in a Semi-Arid Region of Iran. <i>Forests</i> , 2020 , 11, 421	2.8	53
86	Evaluation and comparison of bivariate and multivariate statistical methods for landslide susceptibility mapping (case study: Zab basin). <i>Arabian Journal of Geosciences</i> , 2013 , 6, 3885-3907	1.8	52
85	Hybrid Integration Approach of Entropy with Logistic Regression and Support Vector Machine for Landslide Susceptibility Modeling. <i>Entropy</i> , 2018 , 20,	2.8	51
84	Groundwater Spring Potential Mapping Using Artificial Intelligence Approach Based on Kernel Logistic Regression, Random Forest, and Alternating Decision Tree Models. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 425	2.6	50

83	Estimating the Heating Load of Buildings for Smart City Planning Using a Novel Artificial Intelligence Technique PSO-XGBoost. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2714	2.6	49
82	Rock fall susceptibility assessment along a mountainous road: an evaluation of bivariate statistic, analytical hierarchy process and frequency ratio. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	48
81	Shallow and Deep-Seated Landslide Differentiation Using Support Vector Machines: A Case Study of the Chuetsu Area, Japan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2015 , 26, 227	1.8	48
80	Prediction of slope failure in open-pit mines using a novel hybrid artificial intelligence model based on decision tree and evolution algorithm. <i>Scientific Reports</i> , 2020 , 10, 9939	4.9	47
79	Landslide Susceptibility Mapping Using Machine Learning Algorithms and Remote Sensing Data in a Tropical Environment. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	46
78	Development of a Novel Hybrid Intelligence Approach for Landslide Spatial Prediction. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2824	2.6	45
77	A Hybrid Computational Intelligence Approach to Groundwater Spring Potential Mapping. <i>Water (Switzerland)</i> , 2019 , 11, 2013	3	45
76	GIS-Based Gully Erosion Susceptibility Mapping: A Comparison of Computational Ensemble Data Mining Models. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2039	2.6	44
75	Sinkhole susceptibility mapping: A comparison between Bayes-based machine learning algorithms. <i>Land Degradation and Development</i> , 2019 , 30, 730-745	4.4	44
74	Soil erosion potential hotspot zone identification using machine learning and statistical approaches in eastern India. <i>Natural Hazards</i> , 2020 , 104, 1259-1294	3	43
73	Current status of reclaimed water in China: an overview. <i>Journal of Water Reuse and Desalination</i> , 2018 , 8, 293-307	2.6	42
72	Coupling RBF neural network with ensemble learning techniques for landslide susceptibility mapping. <i>Catena</i> , 2020 , 195, 104805	5.8	42
71	GIS-Based Machine Learning Algorithms for Gully Erosion Susceptibility Mapping in a Semi-Arid Region of Iran. <i>Remote Sensing</i> , 2020 , 12, 2478	5	41
70	GIS Multi-Criteria Analysis by Ordered Weighted Averaging (OWA): Toward an Integrated Citrus Management Strategy. <i>Sustainability</i> , 2019 , 11, 1009	3.6	39
69	Hybrid Computational Intelligence Methods for Landslide Susceptibility Mapping. <i>Symmetry</i> , 2020 , 12, 325	2.7	39
68	SWPT: An automated GIS-based tool for prioritization of sub-watersheds based on morphometric and topo-hydrological factors. <i>Geoscience Frontiers</i> , 2019 , 10, 2167-2175	6	38
67	Torrential rainfall-triggered shallow landslide characteristics and susceptibility assessment using ensemble data-driven models in the Dongjiang Reservoir Watershed, China. <i>Natural Hazards</i> , 2019 , 97, 579-609	3	35
66	Improved Bathymetric Mapping of Coastal and Lake Environments Using Sentinel-2 and Landsat-8 Images. <i>Sensors</i> , 2019 , 19,	3.8	34

65	Big data in Geohazard; pattern mining and large scale analysis of landslides in Iran. <i>Earth Science Informatics</i> , 2019 , 12, 1-17	2.5	33
64	SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3495	2.6	31
63	Exploring Renewable Energy Resources Using Remote Sensing and GIS. <i>Resources</i> , 2019 , 8, 149	3.7	31
62	Mapping of Groundwater Spring Potential in Karst Aquifer System Using Novel Ensemble Bivariate and Multivariate Models. <i>Water (Switzerland)</i> , 2020 , 12, 985	3	30
61	Landslide Detection and Susceptibility Modeling on Cameron Highlands (Malaysia): A Comparison between Random Forest, Logistic Regression and Logistic Model Tree Algorithms. <i>Forests</i> , 2020 , 11, 830 ^{2.8}		29
60	Multi-Criteria Decision Making (MCDM) Model for Seismic Vulnerability Assessment (SVA) of Urban Residential Buildings. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 444	2.9	29
59	Hybridized neural fuzzy ensembles for dust source modeling and prediction. <i>Atmospheric Environment</i> , 2020 , 224, 117320	5.3	28
58	Spatial Proximity-Based Geographically Weighted Regression Model for Landslide Susceptibility Assessment: A Case Study of Qingchuan Area, China. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1107	2.6	28
57	Development of an Artificial Intelligence Approach for Prediction of Consolidation Coefficient of Soft Soil: A Sensitivity Analysis. <i>Open Construction and Building Technology Journal</i> , 2019 , 13, 178-188	1.1	28
56	Flash flood susceptibility mapping using a novel deep learning model based on deep belief network, back propagation and genetic algorithm. <i>Geoscience Frontiers</i> , 2021 , 12, 101100	6	27
55	Comparison of Support Vector Machine, Bayesian Logistic Regression, and Alternating Decision Tree Algorithms for Shallow Landslide Susceptibility Mapping along a Mountainous Road in the West of Iran. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5047	2.6	25
54	Deep learning neural networks for spatially explicit prediction of flash flood probability. <i>Geoscience Frontiers</i> , 2021 , 12, 101076	6	22
53	Towards an Ensemble Machine Learning Model of Random Subspace Based Functional Tree Classifier for Snow Avalanche Susceptibility Mapping. <i>IEEE Access</i> , 2020 , 8, 145968-145983	3.5	21
52	A New Hybrid FireflyBSO Optimized Random Subspace Tree Intelligence for Torrential Rainfall-Induced Flash Flood Susceptible Mapping. <i>Remote Sensing</i> , 2020 , 12, 2688	5	20
51	Mapping the susceptibility to landslides based on the deep belief network: a case study in Sichuan Province, China. <i>Natural Hazards</i> , 2020 , 103, 3239-3261	3	19
50	A Multi-Criteria Evaluation Using the Analytic Hierarchy Process Technique to Analyze Coastal Tourism Sites. <i>APCBEE Procedia</i> , 2013 , 5, 479-485		19
49	Monitoring and Assessment of Water Level Fluctuations of the Lake Urmia and Its Environmental Consequences Using Multitemporal Landsat 7 ETM Images. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	17
48	INTEGRATION OF INSAR TECHNIQUE, GOOGLE EARTH IMAGES AND EXTENSIVE FIELD SURVEY FOR LANDSLIDE INVENTORY IN A PART OF CAMERON HIGHLANDS, PAHANG, MALAYSIA. <i>Applied Ecology and Environmental Research</i> , 2018 , 16, 8075-8091	1.9	17

47	Fractal Dimension of Cohesive Sediment Flocs at Steady State under Seven Shear Flow Conditions. <i>Water (Switzerland)</i> , 2015 , 7, 4385-4408	3	16
46	Modeling the progressive entrainment of bed sediment by viscous debris flows using the three-dimensional SC-HBP-SPH method. <i>Water Research</i> , 2020 , 182, 116031	12.5	14
45	Performance Evaluation of Sentinel-2 and Landsat 8 OLI Data for Land Cover/Use Classification Using a Comparison between Machine Learning Algorithms. <i>Remote Sensing</i> , 2021 , 13, 1349	5	14
44	Evaluating Water Level Changes at Different Tidal Phases Using UAV Photogrammetry and GNSS Vertical Data. <i>Sensors</i> , 2019 , 19,	3.8	13
43	A Hybrid Intelligence Approach to Enhance the Prediction Accuracy of Local Scour Depth at Complex Bridge Piers. <i>Sustainability</i> , 2020 , 12, 1063	3.6	13
42	Assessing sustainable development prospects through remote sensing: A review. <i>Remote Sensing Applications: Society and Environment</i> , 2020 , 20, 100402	2.8	12
41	Automatic detection of sinkhole collapses at finer resolutions using a multi-component remote sensing approach. <i>Natural Hazards</i> , 2015 , 78, 1021-1044	3	11
40	Flood Detection and Susceptibility Mapping Using Sentinel-1 Time Series, Alternating Decision Trees, and Bag-ADTree Models. <i>Complexity</i> , 2020 , 2020, 1-21	1.6	11
39	A novel ensemble learning based on Bayesian Belief Network coupled with an extreme learning machine for flash flood susceptibility mapping. <i>Engineering Applications of Artificial Intelligence</i> , 2020 , 96, 103971	7.2	11
38	The performance quality of LR, SVM, and RF for earthquake-induced landslides susceptibility mapping incorporating remote sensing imagery. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	11
37	Coastal Wetland Mapping with Sentinel-2 MSI Imagery Based on Gravitational Optimized Multilayer Perceptron and Morphological Attribute Profiles. <i>Remote Sensing</i> , 2019 , 11, 952	5	10
36	Flood susceptibility mapping at Ningdu catchment, China using bivariate and data mining techniques 2019 , 419-434		10
35	Daily Water Level Prediction of Zrebar Lake (Iran): A Comparison between M5P, Random Forest, Random Tree and Reduced Error Pruning Trees Algorithms. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 479	2.9	10
34	The Potential Use of Geophysical Methods to Identify Cavities, Sinkholes and Pathways for Water Infiltration. <i>Water (Switzerland)</i> , 2020 , 12, 2289	3	9
33	Google Earth Engine for the Detection of Soiling on Photovoltaic Solar Panels in Arid Environments. <i>Remote Sensing</i> , 2020 , 12, 1466	5	8
32	LAND COVER MAPPING USING A NOVEL COMBINATION MODEL OF SATELLITE IMAGERIES: CASE STUDY OF A PART OF THE CAMERON HIGHLANDS, PAHANG, MALAYSIA. <i>Applied Ecology and Environmental Research</i> , 2019 , 17, 1835-1848	1.9	8
31	Soil Erosion Hazard Mapping in Central Zab Basin Using Epm Model in GIS Environment. <i>International Journal of Geography and Geology</i> , 2016 , 5, 224-235	0.5	8
30	Changes in the two-dimensional and perimeter-based fractal dimensions of kaolinite flocs during flocculation: a simple experimental study. <i>Water Science and Technology</i> , 2018 , 77, 861-870	2.2	8

29	A Multi-Sensor Comparative Analysis on the Suitability of Generated DEM from Sentinel-1 SAR Interferometry Using Statistical and Hydrological Models. <i>Sensors</i> , 2020 , 20,	3.8	7
28	On the Kaolinite Floc Size at the Steady State of Flocculation in a Turbulent Flow. <i>PLoS ONE</i> , 2016 , 11, e0148895	3.7	7
27	Sentinel-1 remote sensing data and Hydrologic Engineering Centres River Analysis System two-dimensional integration for flash flood detection and modelling in New Cairo City, Egypt. <i>Journal of Flood Risk Management</i> , 2021 , 14, e12692	3.1	7
26	Planning for ecotourism in the protected area of Manesht and Ghelarang, Ilam Province, Iran. <i>Journal of Quality Assurance in Hospitality and Tourism</i> , 2018 , 19, 243-268	2	6
25	Evaluation of the Role of Environmental Education in Manesht and Ghelarang Geotourism Destination, Iran. <i>Journal of Quality Assurance in Hospitality and Tourism</i> , 2019 , 20, 681-708	2	6
24	Assessment of DSM Based on Radiometric Transformation of UAV Data. <i>Sensors</i> , 2021 , 21,	3.8	6
23	Evaluation of karst features using principal component analysis (PCA): a case from Zarneh and Kergan, Western Iran. <i>Carbonates and Evaporites</i> , 2018 , 33, 625-635	1.3	5
22	Application of moderate resolution imaging spectroradiometer snow cover maps in modeling snowmelt runoff process in the central Zab basin, Iran. <i>Journal of Applied Remote Sensing</i> , 2014 , 8, 0846991	1.4	5
21	A hybrid ensemble-based deep-learning framework for landslide susceptibility mapping. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022 , 108, 102713	7.3	5
20	Assessing subsidence susceptibility to coal mining using frequency ratio, statistical index and Mamdani fuzzy models: evidence from Raniganj coalfield, India. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	5
19	An Expression for Velocity Lag in Sediment-Laden Open-Channel Flows Based on Tsallis Entropy Together with the Principle of Maximum Entropy. <i>Entropy</i> , 2019 , 21,	2.8	4
18	Performance Evaluation and Comparison of Bivariate Statistical-Based Artificial Intelligence Algorithms for Spatial Prediction of Landslides. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 696	2.9	4
17	LAND COVER CHANGE MAPPING USING A COMBINATION OF SENTINEL-1 DATA AND MULTISPECTRAL SATELLITE IMAGERY: A CASE STUDY OF SANANDAJ COUNTY, KURDISTAN, IRAN. <i>Applied Ecology and Environmental Research</i> , 2019 , 17,	1.9	4
16	Swarm intelligence optimization of the group method of data handling using the cuckoo search and whale optimization algorithms to model and predict landslides. <i>Applied Soft Computing Journal</i> , 2022 , 116, 108254	7.5	4
15	GIS-Based Three-Dimensional SPH Simulation for the 11 April 2018 Yabakei Landslide at Oita Nakatsu, Japan. <i>Water (Switzerland)</i> , 2021 , 13, 3012	3	4
14	A Comparative Study of Deep Learning and Conventional Neural Network for Evaluating Landslide Susceptibility Using Landslide Initiation Zones. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021 , 215-223		4
13	A Robust Deep-Learning Model for Landslide Susceptibility Mapping: A Case Study of Kurdistan Province, Iran.. <i>Sensors</i> , 2022 , 22,	3.8	4
12	Assessment of WLC and Fuzzy Logic Methods for Site Selection of Water Reservoirs in Malaysia. <i>Polish Journal of Environmental Studies</i> , 2016 , 25, 1223-1231	2.3	3

11	Detection of Cover Collapse Doline and Other Epikarst Features by Multiple Geophysical Techniques, Case Study of Tarimba Cave, Brazil. <i>Water (Switzerland)</i> , 2020 , 12, 2835	3	2
10	Applying a Simple Analytical Solution to Modelling Wind-Driven Coastal Upwelling of Two-Layered Fluid at the Head of Tokyo Bay, Japan. <i>Water (Switzerland)</i> , 2017 , 9, 744	3	2
9	Application of Fuzzy Set Theory and SPOT Satellite Images in Site Selection of Public Libraries (Case Study: Saqqez City, Iran). <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013 , 6, 1122-1128	0.2	2
8	A comparison study on the quantitative statistical methods for spatial prediction of shallow landslides (case study: Yozidar-Degaga Route in Kurdistan Province, Iran). <i>Environmental Earth Sciences</i> , 2022 , 81, 1	2.9	2
7	An entropic model for the rock water absorption process. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 34, 1871-1886	3.5	2
6	Effects of drought on vegetative cover changes: Investigating spatiotemporal patterns 2019 , 213-222		2
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