

Khabat Khosravi

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.

193
papers

12,925
citations

69
h-index

107
g-index

201
ext. papers

16,707
ext. citations

4.5
avg, IF

7.46
L-index

#	Paper	IF	Citations
193	Landslide susceptibility modeling based on remote sensing data and data mining techniques. <i>Environmental Earth Sciences</i> , 2022 , 81, 1	2.9	1
192	Using Optimized Deep Learning to Predict Daily Streamflow: A Comparison to Common Machine Learning Algorithms. <i>Water Resources Management</i> , 2022 , 36, 699-716	3.7	7
191	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
190	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
189	A Robust Deep-Learning Model for Landslide Susceptibility Mapping: A Case Study of Kurdistan Province, Iran.. <i>Sensors</i> , 2022 , 22,	3.8	4
188	Landslide susceptibility modeling based on GIS and ensemble techniques. <i>Arabian Journal of Geosciences</i> , 2022 , 15, 1	1.8	0
187	Suspended sediment load modeling using advanced hybrid rotation forest based elastic network approach. <i>Journal of Hydrology</i> , 2022 , 610, 127963	6	2
186	Convolutional neural network (CNN) with metaheuristic optimization algorithms for landslide susceptibility mapping in Icheon, South Korea.. <i>Journal of Environmental Management</i> , 2021 , 305, 114367-9	7.9	11
185	Uncertainty pattern in landslide susceptibility prediction modelling: Effects of different landslide boundaries and spatial shape expressions. <i>Geoscience Frontiers</i> , 2021 , 13, 101317	6	3
184	Flood spatial prediction modeling using a hybrid of meta-optimization and support vector regression modeling. <i>Catena</i> , 2021 , 199, 105114	5.8	13
183	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
182	Evaluation of different boosting ensemble machine learning models and novel deep learning and boosting framework for head-cut gully erosion susceptibility. <i>Journal of Environmental Management</i> , 2021 , 284, 112015	7.9	37
181	A GIS-based groundwater pollution potential using DRASTIC, modified DRASTIC, and bivariate statistical models. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 50525-50541	5.1	5
180	A comparison between advanced hybrid machine learning algorithms and empirical equations applied to abutment scour depth prediction. <i>Journal of Hydrology</i> , 2021 , 596, 126100	6	5
179	Evaluation efficiency of hybrid deep learning algorithms with neural network decision tree and boosting methods for predicting groundwater potential. <i>Geocarto International</i> , 2021 , 1-21	2.7	18
178	New hybrid-based approach for improving the accuracy of coastal aquifer vulnerability assessment maps. <i>Science of the Total Environment</i> , 2021 , 767, 145416	10.2	8
177	Cumulative infiltration and infiltration rate prediction using optimized deep learning algorithms: A study in Western Iran. <i>Journal of Hydrology: Regional Studies</i> , 2021 , 35, 100825	3.6	8

176	Landslide susceptibility modeling based on ANFIS with teaching-learning-based optimization and Satin bowerbird optimizer. <i>Geoscience Frontiers</i> , 2021 , 12, 93-107	6	67
175	Evaluation of deep learning algorithms for national scale landslide susceptibility mapping of Iran. <i>Geoscience Frontiers</i> , 2021 , 12, 505-519	6	70
174	GIS-based landslide susceptibility assessment using optimized hybrid machine learning methods. <i>Catena</i> , 2021 , 196, 104833	5.8	68
173	A laboratory investigation of bed-load transport of gravel sediments under dam break flow. <i>International Journal of Sediment Research</i> , 2021 , 36, 229-234	3	1
172	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
171	Deep learning neural networks for spatially explicit prediction of flash flood probability. <i>Geoscience Frontiers</i> , 2021 , 12, 101076	6	22
170	Iterative classifier optimizer-based pace regression and random forest hybrid models for suspended sediment load prediction. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 11637-11649	5.1	15
169	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
168	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
167	Improving daily stochastic streamflow prediction: comparison of novel hybrid data-mining algorithms. <i>Hydrological Sciences Journal</i> , 2021 , 66, 1457-1474	3.5	7
166	Weighted instances handler wrapper and rotation forest-based hybrid algorithms for sediment transport modeling. <i>Journal of Hydrology</i> , 2021 , 598, 126452	6	5
165	Experimental Analysis of Incipient Motion for Uniform and Graded Sediments. <i>Water (Switzerland)</i> , 2021 , 13, 1874	3	1
164	Short-term River streamflow modeling using Ensemble-based additive learner approach. <i>Journal of Hydro-Environment Research</i> , 2021 , 39, 81-81	2.3	5
163	Urban flood modeling using deep-learning approaches in Seoul, South Korea. <i>Journal of Hydrology</i> , 2021 , 601, 126684	6	16
162	Predictive modeling of selected trace elements in groundwater using hybrid algorithms of iterative classifier optimizer. <i>Journal of Contaminant Hydrology</i> , 2021 , 242, 103849	3.9	3
161	Clear-water scour depth prediction in long channel contractions: Application of new hybrid machine learning algorithms. <i>Ocean Engineering</i> , 2021 , 238, 109721	3.9	2
160	Predicting stable gravel-bed river hydraulic geometry: A test of novel, advanced, hybrid data mining algorithms. <i>Environmental Modelling and Software</i> , 2021 , 144, 105165	5.2	3
159	Hybrids of Support Vector Regression with Grey Wolf Optimizer and Firefly Algorithm for Spatial Prediction of Landslide Susceptibility. <i>Remote Sensing</i> , 2021 , 13, 4966	5	6

158	Uncertainties Analysis of Collapse Susceptibility Prediction Based on Remote Sensing and GIS: Influences of Different Data-Based Models and Connections between Collapses and Environmental Factors. <i>Remote Sensing</i> , 2020 , 12, 4134	5	12
157	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
156	River Water Salinity Prediction Using Hybrid Machine Learning Models. <i>Water (Switzerland)</i> , 2020 , 12, 2951	3	23
155	Modeling Spatial Flood using Novel Ensemble Artificial Intelligence Approaches in Northern Iran. <i>Remote Sensing</i> , 2020 , 12, 3423	5	15
154	The Importance of Incorporating Denitrification in the Assessment of Groundwater Vulnerability. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2328	2.6	6
153	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
152	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
151	Spatial Prediction of Landslide Susceptibility Based on GIS and Discriminant Functions. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 144	2.9	29
150	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
149	Hybrid Computational Intelligence Methods for Landslide Susceptibility Mapping. <i>Symmetry</i> , 2020 , 12, 325	2.7	39
148	Improving prediction of water quality indices using novel hybrid machine-learning algorithms. <i>Science of the Total Environment</i> , 2020 , 721, 137612	10.2	69
147	Optimization of Computational Intelligence Models for Landslide Susceptibility Evaluation. <i>Remote Sensing</i> , 2020 , 12, 2180	5	58
146	GIS-based evaluation of landslide susceptibility using hybrid computational intelligence models. <i>Catena</i> , 2020 , 195, 104777	5.8	72
145	Hybridized neural fuzzy ensembles for dust source modeling and prediction. <i>Atmospheric Environment</i> , 2020 , 224, 117320	5.3	28
144	Bedload transport rate prediction: Application of novel hybrid data mining techniques. <i>Journal of Hydrology</i> , 2020 , 585, 124774	6	26
143	Spatial Prediction of Landslides Using Hybrid Integration of Artificial Intelligence Algorithms with Frequency Ratio and Index of Entropy in Nanzheng County, China. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 29	2.6	31
142	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
141	Landslide Susceptibility Evaluation Using Hybrid Integration of Evidential Belief Function and Machine Learning Techniques. <i>Water (Switzerland)</i> , 2020 , 12, 113	3	43

140	Enhancing nitrate and strontium concentration prediction in groundwater by using new data mining algorithm. <i>Science of the Total Environment</i> , 2020 , 715, 136836	10.2	34
139	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
138	Hybrid Computational Intelligence Models for Improvement Gully Erosion Assessment. <i>Remote Sensing</i> , 2020 , 12, 140	5	25
137	Evaluating the usage of tree-based ensemble methods in groundwater spring potential mapping. <i>Journal of Hydrology</i> , 2020 , 583, 124602	6	68
136	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
135	Flash flood susceptibility modelling using functional tree and hybrid ensemble techniques. <i>Journal of Hydrology</i> , 2020 , 587, 125007	6	45
134	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
133	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
132	Shear stress distribution prediction in symmetric compound channels using data mining and machine learning models. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 1097-1109	2.5	5
131	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
130	Uniform and graded bed-load sediment transport in a degrading channel with non-equilibrium conditions. <i>International Journal of Sediment Research</i> , 2020 , 35, 115-124	3	3
129	GIS-Based Evaluation of Landslide Susceptibility Models Using Certainty Factors and Functional Trees-Based Ensemble Techniques. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 16	2.6	48
128	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
127	Study on recognition of mine water sources based on statistical analysis. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	5
126	Comparison of machine learning models for gully erosion susceptibility mapping. <i>Geoscience Frontiers</i> , 2020 , 11, 1609-1620	6	59
125	River suspended sediment load prediction based on river discharge information: application of newly developed data mining models. <i>Hydrological Sciences Journal</i> , 2020 , 65, 624-637	3.5	44
124	Improving groundwater potential mapping using metaheuristic approaches. <i>Hydrological Sciences Journal</i> , 2020 , 65, 2729-2749	3.5	11
123	Performance Evaluation of GIS-Based Artificial Intelligence Approaches for Landslide Susceptibility Modeling and Spatial Patterns Analysis. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 443	2.9	25

122	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
121	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}	2.8	29
120	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
119	Monthly suspended sediment load prediction using artificial intelligence: testing of a new random subspace method. <i>Hydrological Sciences Journal</i> , 2020 , 65, 2116-2127	3.5	13
118	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
117	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
116	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
115	Convolutional neural network approach for spatial prediction of flood hazard at national scale of Iran. <i>Journal of Hydrology</i> , 2020 , 591, 125552	6	20
114	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
113	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
112	Stochastic Modeling of Groundwater Fluoride Contamination: Introducing Lazy Learners. <i>Ground Water</i> , 2020 , 58, 723-734	2.4	10
111	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
110	New Ensemble Models for Shallow Landslide Susceptibility Modeling in a Semi-Arid Watershed. <i>Forests</i> , 2019 , 10, 743	2.8	60
109	SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3495	2.6	31
108	Landslide Susceptibility Assessment by Novel Hybrid Machine Learning Algorithms. <i>Sustainability</i> , 2019 , 11, 4386	3.6	87
107	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
106	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
105	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

104	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
103	Groundwater spring potential mapping using population-based evolutionary algorithms and data mining methods. <i>Science of the Total Environment</i> , 2019 , 684, 31-49	10.2	73
102	A Novel Ensemble Artificial Intelligence Approach for Gully Erosion Mapping in a Semi-Arid Watershed (Iran). <i>Sensors</i> , 2019 , 19,	3.8	60
101	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
100	Novel Entropy and Rotation Forest-Based Credal Decision Tree Classifier for Landslide Susceptibility Modeling. <i>Entropy</i> , 2019 , 21,	2.8	44
99	Shallow Landslide Prediction Using a Novel Hybrid Functional Machine Learning Algorithm. <i>Remote Sensing</i> , 2019 , 11, 931	5	58
98	Uncertainties of prediction accuracy in shallow landslide modeling: Sample size and raster resolution. <i>Catena</i> , 2019 , 178, 172-188	5.8	62
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	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
95	Spatial prediction of groundwater potentiality using ANFIS ensembled with teaching-learning-based and biogeography-based optimization. <i>Journal of Hydrology</i> , 2019 , 572, 435-448 ⁶		101
94	The potential of novel data mining models for global solar radiation prediction. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 7147-7164	3.3	45
93	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
92	Landslide prediction capability by comparison of frequency ratio, fuzzy gamma and landslide index method. <i>Journal of Earth System Science</i> , 2019 , 128, 1	1.8	21
91	Hybrid Machine Learning Approaches for Landslide Susceptibility Modeling. <i>Forests</i> , 2019 , 10, 157	2.8	91
90	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
89	A comparison of Support Vector Machines and Bayesian algorithms for landslide susceptibility modelling. <i>Geocarto International</i> , 2019 , 34, 1385-1407	2.7	64
88	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
87	Optimization of an adaptive neuro-fuzzy inference system for groundwater potential mapping. <i>Hydrogeology Journal</i> , 2019 , 27, 2511-2534	3.1	43

86	Development of a Novel Hybrid Intelligence Approach for Landslide Spatial Prediction. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2824	2.6	45
85	Landslide Susceptibility Mapping Using Different GIS-Based Bivariate Models. <i>Water (Switzerland)</i> , 2019 , 11, 1402	3	82
84	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
83	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
82	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
81	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
80	Determination of compound channel apparent shear stress: application of novel data mining models. <i>Journal of Hydroinformatics</i> , 2019 , 21, 798-811	2.6	49
79	Meteorological data mining and hybrid data-intelligence models for reference evaporation simulation: A case study in Iraq. <i>Computers and Electronics in Agriculture</i> , 2019 , 167, 105041	6.5	66
78	Analysis and prediction of meteorological drought using SPI index and ARIMA model in the Karkheh River Basin, Iran 2019 , 343-353		9
77	A Hybrid Computational Intelligence Approach to Groundwater Spring Potential Mapping. <i>Water (Switzerland)</i> , 2019 , 11, 2013	3	45
76	Flood susceptibility mapping at Ningdu catchment, China using bivariate and data mining techniques 2019 , 419-434		10
75	Difference in the bed load transport of graded and uniform sediments during floods: An experimental investigation 2019 , 50, 1645-1664		1
74	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
73	Dam break analysis and flood inundation mapping: The case study of Sefid-Roud Dam, Iran 2019 , 395-405		3
72	A Novel Intelligence Approach of a Sequential Minimal Optimization-Based Support Vector Machine for Landslide Susceptibility Mapping. <i>Sustainability</i> , 2019 , 11, 6323	3.6	21
71	Applying population-based evolutionary algorithms and a neuro-fuzzy system for modeling landslide susceptibility. <i>Catena</i> , 2019 , 172, 212-231	5.8	162
70	Mapping Groundwater Potential Using a Novel Hybrid Intelligence Approach. <i>Water Resources Management</i> , 2019 , 33, 281-302	3.7	97
69	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

68	A Hybrid GIS Multi-Criteria Decision-Making Method for Flood Susceptibility Mapping at Shangyou, China. <i>Remote Sensing</i> , 2019 , 11, 62	5	63
67	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
66	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
65	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
64	Sinkhole susceptibility mapping: A comparison between Bayes-based machine learning algorithms. <i>Land Degradation and Development</i> , 2019 , 30, 730-745	4.4	44
63	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
62	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
61	Spatial modelling of gully headcuts using UAV data and four best-first decision classifier ensembles (BFTree, Bag-BFTree, RS-BFTree, and RF-BFTree). <i>Geomorphology</i> , 2019 , 329, 184-193	4.3	38
60	Landslide Susceptibility Modeling Using Integrated Ensemble Weights of Evidence with Logistic Regression and Random Forest Models. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 171	2.6	77
59	Spatial prediction of landslide susceptibility using data mining-based kernel logistic regression, naive Bayes and RBFNetwork models for the Long County area (China). <i>Bulletin of Engineering Geology and the Environment</i> , 2019 , 78, 247-266	4	78
58	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
57	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
56	GIS-based groundwater potential analysis using novel ensemble weights-of-evidence with logistic regression and functional tree models. <i>Science of the Total Environment</i> , 2018 , 634, 853-867	10.2	156
55	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
54	Application of fuzzy weight of evidence and data mining techniques in construction of flood susceptibility map of Poyang County, China. <i>Science of the Total Environment</i> , 2018 , 625, 575-588	10.2	178
53	Landslide susceptibility mapping using J48 Decision Tree with AdaBoost, Bagging and Rotation Forest ensembles in the Guangchang area (China). <i>Catena</i> , 2018 , 163, 399-413	5.8	246
52	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
51	A comparative study of landslide susceptibility maps produced using support vector machine with different kernel functions and entropy data mining models in China. <i>Bulletin of Engineering Geology and the Environment</i> , 2018 , 77, 647-664	4	112

50	Prioritization of landslide conditioning factors and its spatial modeling in Shangnan County, China using GIS-based data mining algorithms. <i>Bulletin of Engineering Geology and the Environment</i> , 2018 , 77, 611-629	4	74
49	A comparative study on groundwater spring potential analysis based on statistical index, index of entropy and certainty factors models. <i>Geocarto International</i> , 2018 , 33, 754-769	2.7	26
48	Flood susceptibility assessment in Hengfeng area coupling adaptive neuro-fuzzy inference system with genetic algorithm and differential evolution. <i>Science of the Total Environment</i> , 2018 , 621, 1124-1141	10.2	186
47	Land Subsidence Susceptibility Mapping in South Korea Using Machine Learning Algorithms. <i>Sensors</i> , 2018 , 18,	3.8	89
46	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
45	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
44	A comparison study of DRASTIC methods with various objective methods for groundwater vulnerability assessment. <i>Science of the Total Environment</i> , 2018 , 642, 1032-1049	10.2	95
43	Novel GIS Based Machine Learning Algorithms for Shallow Landslide Susceptibility Mapping. <i>Sensors</i> , 2018 , 18,	3.8	100
42	Landslide Susceptibility Modeling Based on GIS and Novel Bagging-Based Kernel Logistic Regression. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2540	2.6	108
41	Hybrid Integration Approach of Entropy with Logistic Regression and Support Vector Machine for Landslide Susceptibility Modeling. <i>Entropy</i> , 2018 , 20,	2.8	51
40	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
39	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
38	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
37	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
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35	Novel Hybrid Evolutionary Algorithms for Spatial Prediction of Floods. <i>Scientific Reports</i> , 2018 , 8, 15364	4.9	92
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33	Spatial prediction of groundwater spring potential mapping based on an adaptive neuro-fuzzy inference system and metaheuristic optimization. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 4771-4792	5.5	81

32	A GIS-based comparative study of Dempster-Shafer, logistic regression and artificial neural network models for landslide susceptibility mapping. <i>Geocarto International</i> , 2017 , 32, 367-385	2.7	108
31	Shallow landslide susceptibility assessment using a novel hybrid intelligence approach. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	165
30	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
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28	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
27	Performance evaluation of GIS-based new ensemble data mining techniques of adaptive neuro-fuzzy inference system (ANFIS) with genetic algorithm (GA), differential evolution (DE), and particle swarm optimization (PSO) for landslide spatial modelling. <i>Catena</i> , 2017 , 157, 310-324	5.8	188
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24	A comparative study of logistic model tree, random forest, and classification and regression tree models for spatial prediction of landslide susceptibility. <i>Catena</i> , 2017 , 151, 147-160	5.8	444
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20	Application and Comparison of Decision Tree-Based Machine Learning Methods in Landslide Susceptibility Assessment at Pauri Garhwal Area, Uttarakhand, India. <i>Environmental Processes</i> , 2017 , 4, 711-730	2.8	64
19	A novel hybrid artificial intelligence approach for flood susceptibility assessment. <i>Environmental Modelling and Software</i> , 2017 , 95, 229-245	5.2	272
18	Landslide spatial modeling: Introducing new ensembles of ANN, MaxEnt, and SVM machine learning techniques. <i>Geoderma</i> , 2017 , 305, 314-327	6.7	202
17	Comparison of four kernel functions used in support vector machines for landslide susceptibility mapping: a case study at Suichuan area (China). <i>Geomatics, Natural Hazards and Risk</i> , 2017 , 8, 544-569	3.6	67
16	Applying Information Theory and GIS-based quantitative methods to produce landslide susceptibility maps in Nancheng County, China. <i>Landslides</i> , 2017 , 14, 1091-1111	6.6	100
15	Flash flood susceptibility analysis and its mapping using different bivariate models in Iran: a comparison between Shannons entropy, statistical index, and weighting factor models. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 656	3.1	121

14	Application of frequency ratio, weights of evidence and evidential belief function models in landslide susceptibility mapping. <i>Geocarto International</i> , 2016 , 1-21	2.7	40
13	GIS-based landslide susceptibility mapping using analytical hierarchy process (AHP) and certainty factor (CF) models for the Baozhong region of Baoji City, China. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	65
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10	A GIS-based flood susceptibility assessment and its mapping in Iran: a comparison between frequency ratio and weights-of-evidence bivariate statistical models with multi-criteria decision-making technique. <i>Natural Hazards</i> , 2016 , 83, 947-987	3	214
9	Spatial prediction of landslide susceptibility using integrated frequency ratio with entropy and support vector machines by different kernel functions. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	32
8	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
7	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
6	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
5	A comprehensive study of new hybrid models for Adaptive Neuro-Fuzzy Inference System (ANFIS) with Invasive Weed Optimization (IWO), Differential Evolution (DE), Firefly (FA), Particle Swarm Optimization (PSO) and Bees (BA) algorithms for spatial prediction of groundwater spring potential mapping		3
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