

# Wei Chen

## List of Publications by Year in Descending Order

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**Version:** 2024-04-19

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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.

196  
papers

17,539  
citations

78  
h-index

127  
g-index

198  
ext. papers

22,107  
ext. citations

4.3  
avg, IF

7.8  
L-index

#	Paper	IF	Citations
196	Landslide susceptibility modeling based on remote sensing data and data mining techniques. <i>Environmental Earth Sciences</i> , <b>2022</b> , 81, 1	2.9	1
195	Regional rainfall-induced landslide hazard warning based on landslide susceptibility mapping and a critical rainfall threshold. <i>Geomorphology</i> , <b>2022</b> , 408, 108236	4.3	2
194	Landslide susceptibility modeling based on GIS and ensemble techniques. <i>Arabian Journal of Geosciences</i> , <b>2022</b> , 15, 1	1.8	0
193	Advanced machine learning algorithms for flood susceptibility modeling - performance comparison: Red Sea, Egypt.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
192	Uncertainty pattern in landslide susceptibility prediction modelling: Effects of different landslide boundaries and spatial shape expressions. <i>Geoscience Frontiers</i> , <b>2021</b> , 13, 101317	6	3
191	Groundwater recharge potential zonation using an ensemble of machine learning and bivariate statistical models. <i>Scientific Reports</i> , <b>2021</b> , 11, 5587	4.9	15
190	Evaluation of multi-hazard map produced using MaxEnt machine learning technique. <i>Scientific Reports</i> , <b>2021</b> , 11, 6496	4.9	17
189	Landslide susceptibility assessment and mapping using state-of-the art machine learning techniques. <i>Natural Hazards</i> , <b>2021</b> , 108, 1291-1316	3	10
188	Landslide susceptibility mapping using statistical bivariate models and their hybrid with normalized spatial-correlated scale index and weighted calibrated landslide potential model. <i>Environmental Earth Sciences</i> , <b>2021</b> , 80, 1	2.9	10
187	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> , <b>2021</b> , 284, 112015	7.9	37
186	Evaluation efficiency of hybrid deep learning algorithms with neural network decision tree and boosting methods for predicting groundwater potential. <i>Geocarto International</i> , <b>2021</b> , 1-21	2.7	18
185	Incorporating Landslide Spatial Information and Correlated Features among Conditioning Factors for Landslide Susceptibility Mapping. <i>Remote Sensing</i> , <b>2021</b> , 13, 2166	5	8
184	Landslide susceptibility mapping using machine learning algorithms and comparison of their performance at Abha Basin, Asir Region, Saudi Arabia. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 639-655	6	71
183	Location-allocation modeling for emergency evacuation planning with GIS and remote sensing: A case study of Northeast Bangladesh. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 101095	6	16
182	Landslide susceptibility modeling based on ANFIS with teaching-learning-based optimization and Satin bowerbird optimizer. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 93-107	6	67
181	GIS-based landslide susceptibility assessment using optimized hybrid machine learning methods. <i>Catena</i> , <b>2021</b> , 196, 104833	5.8	68
180	Assessment of land degradation using machine-learning techniques: A case of declining rangelands. <i>Land Degradation and Development</i> , <b>2021</b> , 32, 1452-1466	4.4	11

179	Hybrids of Support Vector Regression with Grey Wolf Optimizer and Firefly Algorithm for Spatial Prediction of Landslide Susceptibility. <i>Remote Sensing</i> , <b>2021</b> , 13, 4966	5	6
178	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> , <b>2020</b> , 12, 4134	5	12
177	Performance Evaluation and Comparison of Bivariate Statistical-Based Artificial Intelligence Algorithms for Spatial Prediction of Landslides. <i>ISPRS International Journal of Geo-Information</i> , <b>2020</b> , 9, 696	2.9	4
176	Modeling Spatial Flood using Novel Ensemble Artificial Intelligence Approaches in Northern Iran. <i>Remote Sensing</i> , <b>2020</b> , 12, 3423	5	15
175	Spatial prediction of groundwater potential mapping based on convolutional neural network (CNN) and support vector regression (SVR). <i>Journal of Hydrology</i> , <b>2020</b> , 588, 125033	6	76
174	Assessing, mapping, and optimizing the locations of sediment control check dams construction. <i>Science of the Total Environment</i> , <b>2020</b> , 739, 139954	10.2	6
173	Spatial prediction of landslide susceptibility using hybrid support vector regression (SVR) and the adaptive neuro-fuzzy inference system (ANFIS) with various metaheuristic algorithms. <i>Science of the Total Environment</i> , <b>2020</b> , 741, 139937	10.2	55
172	GIS-Based Gully Erosion Susceptibility Mapping: A Comparison of Computational Ensemble Data Mining Models. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2039	2.6	44
171	Spatial Prediction of Landslide Susceptibility Based on GIS and Discriminant Functions. <i>ISPRS International Journal of Geo-Information</i> , <b>2020</b> , 9, 144	2.9	29
170	Landslide Susceptibility Evaluation and Management Using Different Machine Learning Methods in The Gallicash River Watershed, Iran. <i>Remote Sensing</i> , <b>2020</b> , 12, 475	5	66
169	Hybrid Computational Intelligence Methods for Landslide Susceptibility Mapping. <i>Symmetry</i> , <b>2020</b> , 12, 325	2.7	39
168	Relations of land cover, topography, and climate to fire occurrence in natural regions of Iran: Applying new data mining techniques for modeling and mapping fire danger. <i>Forest Ecology and Management</i> , <b>2020</b> , 473, 118338	3.9	11
167	Optimization of Computational Intelligence Models for Landslide Susceptibility Evaluation. <i>Remote Sensing</i> , <b>2020</b> , 12, 2180	5	58
166	Gully head modelling in Iranian Loess Plateau under different scenarios. <i>Catena</i> , <b>2020</b> , 194, 104769	5.8	4
165	Spatial modeling, risk mapping, change detection, and outbreak trend analysis of coronavirus (COVID-19) in Iran (days between February 19 and June 14, 2020). <i>International Journal of Infectious Diseases</i> , <b>2020</b> , 98, 90-108	10.5	53
164	GIS-based evaluation of landslide susceptibility using hybrid computational intelligence models. <i>Catena</i> , <b>2020</b> , 195, 104777	5.8	72
163	Groundwater spring potential assessment using new ensemble data mining techniques. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 157, 107652	4.6	22
162	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> , <b>2020</b> , 10, 29	2.6	31

161	Landslide Susceptibility Evaluation Using Hybrid Integration of Evidential Belief Function and Machine Learning Techniques. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 113	3	43
160	Gully Head-Cut Distribution Modeling Using Machine Learning Methods—A Case Study of N.W. Iran. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 16	3	21
159	Hybrid Computational Intelligence Models for Improvement Gully Erosion Assessment. <i>Remote Sensing</i> , <b>2020</b> , 12, 140	5	25
158	Evaluating the usage of tree-based ensemble methods in groundwater spring potential mapping. <i>Journal of Hydrology</i> , <b>2020</b> , 583, 124602	6	68
157	Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. <i>Sensors</i> , <b>2020</b> , 20,	3.8	24
156	Flash flood susceptibility modelling using functional tree and hybrid ensemble techniques. <i>Journal of Hydrology</i> , <b>2020</b> , 587, 125007	6	45
155	Using machine learning algorithms to map the groundwater recharge potential zones. <i>Journal of Environmental Management</i> , <b>2020</b> , 265, 110525	7.9	24
154	Shallow Landslide Susceptibility Mapping by Random Forest Base Classifier and Its Ensembles in a Semi-Arid Region of Iran. <i>Forests</i> , <b>2020</b> , 11, 421	2.8	53
153	A Review on the Gully Erosion and Land Degradation in Iran. <i>Advances in Science, Technology and Innovation</i> , <b>2020</b> , 393-403	0.3	2
152	Gully Erosion Susceptibility Assessment Through the SVM Machine Learning Algorithm (SVM-MLA). <i>Advances in Science, Technology and Innovation</i> , <b>2020</b> , 415-425	0.3	2
151	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> , <b>2020</b> , 701, 134979	10.2	146
150	GIS-Based Evaluation of Landslide Susceptibility Models Using Certainty Factors and Functional Trees-Based Ensemble Techniques. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 16	2.6	48
149	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> , <b>2020</b> , 10, 425	2.6	50
148	Study on recognition of mine water sources based on statistical analysis. <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1	1.8	5
147	Comparison of machine learning models for gully erosion susceptibility mapping. <i>Geoscience Frontiers</i> , <b>2020</b> , 11, 1609-1620	6	59
146	Optimizing collapsed pipes mapping: Effects of DEM spatial resolution. <i>Catena</i> , <b>2020</b> , 187, 104344	5.8	5
145	Investigating the effects of different landslide positioning techniques, landslide partitioning approaches, and presence-absence balances on landslide susceptibility mapping. <i>Catena</i> , <b>2020</b> , 187, 104364	5.8	40
144	Is multi-hazard mapping effective in assessing natural hazards and integrated watershed management?. <i>Geoscience Frontiers</i> , <b>2020</b> , 11, 1203-1217	6	42

143	An assessment of metaheuristic approaches for flood assessment. <i>Journal of Hydrology</i> , <b>2020</b> , 582, 124586	25
142	Performance Evaluation of GIS-Based Artificial Intelligence Approaches for Landslide Susceptibility Modeling and Spatial Patterns Analysis. <i>ISPRS International Journal of Geo-Information</i> , <b>2020</b> , 9, 443	2.9 25
141	A machine learning framework for multi-hazards modeling and mapping in a mountainous area. <i>Scientific Reports</i> , <b>2020</b> , 10, 12144	4.9 28
140	Comparison of new individual and hybrid machine learning algorithms for modeling and mapping fire hazard: a supplementary analysis of fire hazard in different counties of Golestan Province in Iran. <i>Natural Hazards</i> , <b>2020</b> , 104, 305-327	3 8
139	Combining Evolutionary Algorithms and Machine Learning Models in Landslide Susceptibility Assessments. <i>Remote Sensing</i> , <b>2020</b> , 12, 3854	5 26
138	Landslide Detection and Susceptibility Modeling on Cameron Highlands (Malaysia): A Comparison between Random Forest, Logistic Regression and Logistic Model Tree Algorithms. <i>Forests</i> , <b>2020</b> , 11, 830	2.8 29
137	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> , <b>2020</b> , 17,	4.6 46
136	A new integrated data mining model to map spatial variation in the susceptibility of land to act as a source of aeolian dust. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 42022-42039	5.1 17
135	GIS-Based Machine Learning Algorithms for Gully Erosion Susceptibility Mapping in a Semi-Arid Region of Iran. <i>Remote Sensing</i> , <b>2020</b> , 12, 2478	5 41
134	Soil erosion assessment using RUSLE model and its validation by FR probability model. <i>Geocarto International</i> , <b>2020</b> , 35, 1750-1768	2.7 26
133	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> , <b>2020</b> , 17,	4.6 73
132	SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3495	2.6 31
131	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> , <b>2019</b> , 9, 3755	2.6 89
130	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> , <b>2019</b> , 663, 1-15	10.2 112
129	Groundwater spring potential mapping using population-based evolutionary algorithms and data mining methods. <i>Science of the Total Environment</i> , <b>2019</b> , 684, 31-49	10.2 73
128	Flood susceptibility modelling using novel hybrid approach of reduced-error pruning trees with bagging and random subspace ensembles. <i>Journal of Hydrology</i> , <b>2019</b> , 575, 864-873	6 120
127	Evaluation of factors affecting gully headcut location using summary statistics and the maximum entropy model: Golestan Province, NE Iran. <i>Science of the Total Environment</i> , <b>2019</b> , 677, 281-298	10.2 23
126	Novel Entropy and Rotation Forest-Based Credal Decision Tree Classifier for Landslide Susceptibility Modeling. <i>Entropy</i> , <b>2019</b> , 21,	2.8 44

125	Spatial prediction of landslide susceptibility by combining evidential belief function, logistic regression and logistic model tree. <i>Geocarto International</i> , <b>2019</b> , 34, 1177-1201	2.7	63
124	Gully erosion susceptibility assessment and management of hazard-prone areas in India using different machine learning algorithms. <i>Science of the Total Environment</i> , <b>2019</b> , 668, 124-138	10.2	125
123	Spatial prediction of groundwater potentiality using ANFIS ensemble with teaching-learning-based and biogeography-based optimization. <i>Journal of Hydrology</i> , <b>2019</b> , 572, 435-448 <sup>6</sup>		101
122	Novel Hybrid Integration Approach of Bagging-Based Fisher's Linear Discriminant Function for Groundwater Potential Analysis. <i>Natural Resources Research</i> , <b>2019</b> , 28, 1239-1258	4.9	77
121	Gully headcut susceptibility modeling using functional trees, naïve Bayes tree, and random forest models. <i>Geoderma</i> , <b>2019</b> , 342, 1-11	6.7	48
120	PMT: New analytical framework for automated evaluation of geo-environmental modelling approaches. <i>Science of the Total Environment</i> , <b>2019</b> , 664, 296-311	10.2	60
119	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> , <b>2019</b> , 11, 1589	5	82
118	Sedimentological characteristics and application of machine learning techniques for landslide susceptibility modelling along the highway corridor Nahan to Rajgarh (Himachal Pradesh), India. <i>Catena</i> , <b>2019</b> , 182, 104150	5.8	20
117	Multi-hazard probability assessment and mapping in Iran. <i>Science of the Total Environment</i> , <b>2019</b> , 692, 556-571	10.2	70
116	GIS-based susceptibility assessment of the occurrence of gully headcuts and pipe collapses in a semi-arid environment: Golestan Province, NE Iran. <i>Land Degradation and Development</i> , <b>2019</b> , 30, 2211-2225	4.4	15
115	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> , <b>2019</b> , 247, 712-729	7.9	110
114	A Hybrid Computational Intelligence Approach to Groundwater Spring Potential Mapping. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2013	3	45
113	A Comparative Assessment of Random Forest and k-Nearest Neighbor Classifiers for Gully Erosion Susceptibility Mapping. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2076	3	42
112	Spatial Modeling of Gully Erosion Using Linear and Quadratic Discriminant Analyses in GIS and R <b>2019</b> , 299-321		18
111	A Novel Intelligence Approach of a Sequential Minimal Optimization-Based Support Vector Machine for Landslide Susceptibility Mapping. <i>Sustainability</i> , <b>2019</b> , 11, 6323	3.6	21
110	Gully Erosion Susceptibility Mapping Using Multivariate Adaptive Regression Splines Replications and Sample Size Scenarios. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2319	3	16
109	Landslide Susceptibility Mapping Using GIS-Based Data Mining Algorithms. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2292	3	23
108	Applying population-based evolutionary algorithms and a neuro-fuzzy system for modeling landslide susceptibility. <i>Catena</i> , <b>2019</b> , 172, 212-231	5.8	162



107	A Hybrid GIS Multi-Criteria Decision-Making Method for Flood Susceptibility Mapping at Shangyou, China. <i>Remote Sensing</i> , <b>2019</b> , 11, 62	5	63
106	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> , <b>2019</b> , 78, 4397-4419	4	87
105	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> , <b>2019</b> , 96, 173-212	3	63
104	Assessment of the importance of gully erosion effective factors using Boruta algorithm and its spatial modeling and mapping using three machine learning algorithms. <i>Geoderma</i> , <b>2019</b> , 340, 55-69	6.7	96
103	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> , <b>2019</b> , 329, 184-193	4.3	38
102	Landslide Susceptibility Modeling Using Integrated Ensemble Weights of Evidence with Logistic Regression and Random Forest Models. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 171	2.6	77
101	Prioritization of effective factors in the occurrence of land subsidence and its susceptibility mapping using an SVM model and their different kernel functions. <i>Bulletin of Engineering Geology and the Environment</i> , <b>2019</b> , 78, 4017-4034	4	65
100	Application of Fuzzy Analytical Network Process Model for Analyzing the Gully Erosion Susceptibility. <i>Advances in Natural and Technological Hazards Research</i> , <b>2019</b> , 105-125	1.8	17
99	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> , <b>2019</b> , 78, 247-266	4	78
98	GIS-based landslide susceptibility evaluation using a novel hybrid integration approach of bivariate statistical based random forest method. <i>Catena</i> , <b>2018</b> , 164, 135-149	5.8	152
97	Landslide susceptibility modelling using GIS-based machine learning techniques for Chongren County, Jiangxi Province, China. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 1121-1135	10.2	191
96	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> , <b>2018</b> , 634, 853-867	10.2	156
95	Flood susceptibility mapping using geospatial frequency ratio technique: a case study of Subarnarekha River Basin, India. <i>Modeling Earth Systems and Environment</i> , <b>2018</b> , 4, 395-408	3.2	73
94	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> , <b>2018</b> , 625, 575-588	10.2	178
93	Landslide susceptibility mapping using J48 Decision Tree with AdaBoost, Bagging and Rotation Forest ensembles in the Guangchang area (China). <i>Catena</i> , <b>2018</b> , 163, 399-413	5.8	246
92	A novel ensemble approach of bivariate statistical-based logistic model tree classifier for landslide susceptibility assessment. <i>Geocarto International</i> , <b>2018</b> , 33, 1398-1420	2.7	80
91	Analysis and evaluation of landslide susceptibility: a review on articles published during 2005-2016 (periods of 2005-2012 and 2013-2016). <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	102
90	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> , <b>2018</b> , 77, 647-664	4	112

89	A comparison between ten advanced and soft computing models for groundwater qanat potential assessment in Iran using R and GIS. <i>Theoretical and Applied Climatology</i> , <b>2018</b> , 131, 967-984	3	88
88	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> , <b>2018</b> , 77, 611-629	4	74
87	A comparative study on groundwater spring potential analysis based on statistical index, index of entropy and certainty factors models. <i>Geocarto International</i> , <b>2018</b> , 33, 754-769	2.7	26
86	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> , <b>2018</b> , 621, 1124-1141	10.2	186
85	Flood susceptibility mapping using novel ensembles of adaptive neuro fuzzy inference system and metaheuristic algorithms. <i>Science of the Total Environment</i> , <b>2018</b> , 615, 438-451	10.2	220
84	Spatial modelling of gully erosion in Mazandaran Province, northern Iran. <i>Catena</i> , <b>2018</b> , 161, 1-13	5.8	106
83	Land Subsidence Susceptibility Mapping in South Korea Using Machine Learning Algorithms. <i>Sensors</i> , <b>2018</b> , 18,	3.8	89
82	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> , <b>2018</b> , 644, 1006-1018	10.2	206
81	Spatial Modelling of Gully Erosion Using GIS and R Programming: A Comparison among Three Data Mining Algorithms. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1369	2.6	73
80	Landslide susceptibility modeling applying machine learning methods: A case study from Longju in the Three Gorges Reservoir area, China. <i>Computers and Geosciences</i> , <b>2018</b> , 112, 23-37	4.5	162
79	Prediction of the landslide susceptibility: Which algorithm, which precision?. <i>Catena</i> , <b>2018</b> , 162, 177-192	5.8	223
78	Novel GIS Based Machine Learning Algorithms for Shallow Landslide Susceptibility Mapping. <i>Sensors</i> , <b>2018</b> , 18,	3.8	100
77	Landslide Susceptibility Modeling Based on GIS and Novel Bagging-Based Kernel Logistic Regression. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 2540	2.6	108
76	Hybrid Integration Approach of Entropy with Logistic Regression and Support Vector Machine for Landslide Susceptibility Modeling. <i>Entropy</i> , <b>2018</b> , 20,	2.8	51
75	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> , <b>2018</b> , 10, 1527	5	88
74	A novel hybrid bivariate statistical method entitled FROC for landslide susceptibility assessment. <i>Environmental Earth Sciences</i> , <b>2018</b> , 77, 1	2.9	8
73	Assessment of Landslide-Prone Areas and Their Zonation Using Logistic Regression, LogitBoost, and Naïve Bayes Machine-Learning Algorithms. <i>Sustainability</i> , <b>2018</b> , 10, 3697	3.6	48
72	Novel Hybrid Evolutionary Algorithms for Spatial Prediction of Floods. <i>Scientific Reports</i> , <b>2018</b> , 8, 15364	4.9	92



71	Spatial modelling of gully erosion using evidential belief function, logistic regression, and a new ensemble of evidential belief function logistic regression algorithm. <i>Land Degradation and Development</i> , <b>2018</b> , 29, 4035-4049	4.4	72
70	New Hybrids of ANFIS with Several Optimization Algorithms for Flood Susceptibility Modeling. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1210	3	120
69	GIS-based gully erosion susceptibility mapping: a comparison among three data-driven models and AHP knowledge-based technique. <i>Environmental Earth Sciences</i> , <b>2018</b> , 77, 1	2.9	78
68	Comparison of differences in resolution and sources of controlling factors for gully erosion susceptibility mapping. <i>Geoderma</i> , <b>2018</b> , 330, 65-78	6.7	67
67	A GIS-based comparative study of Dempster-Shafer, logistic regression and artificial neural network models for landslide susceptibility mapping. <i>Geocarto International</i> , <b>2017</b> , 32, 367-385	2.7	108
66	Landslide susceptibility assessment in the Uttarakhand area (India) using GIS: a comparison study of prediction capability of naïve bayes, multilayer perceptron neural networks, and functional trees methods. <i>Theoretical and Applied Climatology</i> , <b>2017</b> , 128, 255-273	3	195
65	GIS-based landslide susceptibility modelling: a comparative assessment of kernel logistic regression, Naïve-Bayes tree, and alternating decision tree models. <i>Geomatics, Natural Hazards and Risk</i> , <b>2017</b> , 8, 950-973	3.6	130
64	Comparing the Performance of a Logistic Regression and a Random Forest Model in Landslide Susceptibility Assessments. the Case of Wuyuan Area, China <b>2017</b> , 1043-1050		7
63	A hybrid fuzzy weight of evidence method in landslide susceptibility analysis on the Wuyuan area, China. <i>Geomorphology</i> , <b>2017</b> , 290, 1-16	4.3	84
62	A comparative assessment between linear and quadratic discriminant analyses (LDA-QDA) with frequency ratio and weights-of-evidence models for forest fire susceptibility mapping in China. <i>Arabian Journal of Geosciences</i> , <b>2017</b> , 10, 1	1.8	65
61	A comparative study of logistic model tree, random forest, and classification and regression tree models for spatial prediction of landslide susceptibility. <i>Catena</i> , <b>2017</b> , 151, 147-160	5.8	444
60	Evaluation of different machine learning models for predicting and mapping the susceptibility of gully erosion. <i>Geomorphology</i> , <b>2017</b> , 298, 118-137	4.3	125
59	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> , <b>2017</b> , 76, 1	2.9	79
58	GIS-based spatial prediction of flood prone areas using standalone frequency ratio, logistic regression, weight of evidence and their ensemble techniques. <i>Geomatics, Natural Hazards and Risk</i> , <b>2017</b> , 8, 1538-1561	3.6	98
57	Performance assessment of individual and ensemble data-mining techniques for gully erosion modeling. <i>Science of the Total Environment</i> , <b>2017</b> , 609, 764-775	10.2	198
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53	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> , <b>2017</b> , 8, 544-569	3.6	67
52	Applying Information Theory and GIS-based quantitative methods to produce landslide susceptibility maps in Nancheng County, China. <i>Landslides</i> , <b>2017</b> , 14, 1091-1111	6.6	100
51	Landslide susceptibility modeling in a landslide prone area in Mazandarn Province, north of Iran: a comparison between GLM, GAM, MARS, and M-AHP methods. <i>Theoretical and Applied Climatology</i> , <b>2017</b> , 130, 609-633	3	95
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49	Applying different scenarios for landslide spatial modeling using computational intelligence methods. <i>Environmental Earth Sciences</i> , <b>2017</b> , 76, 1	2.9	37
48	Application of GIS-based data driven random forest and maximum entropy models for groundwater potential mapping: A case study at Mehran Region, Iran. <i>Catena</i> , <b>2016</b> , 137, 360-372	5.8	293
47	Landslide susceptibility mapping using random forest, boosted regression tree, classification and regression tree, and general linear models and comparison of their performance at Wadi Tayyah Basin, Asir Region, Saudi Arabia. <i>Landslides</i> , <b>2016</b> , 13, 839-856	6.6	376
46	Flood susceptibility mapping using frequency ratio and weights-of-evidence models in the Golastan Province, Iran. <i>Geocarto International</i> , <b>2016</b> , 31, 42-70	2.7	228
45	Landslide susceptibility maps using different probabilistic and bivariate statistical models and comparison of their performance at Wadi Itwad Basin, Asir Region, Saudi Arabia. <i>Bulletin of Engineering Geology and the Environment</i> , <b>2016</b> , 75, 63-87	4	57
44	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> , <b>2016</b> , 188, 656	3.1	121
43	GIS-based forest fire susceptibility mapping in Iran: a comparison between evidential belief function and binary logistic regression models. <i>Scandinavian Journal of Forest Research</i> , <b>2016</b> , 31, 80-98	1.7	62
42	Random forests and evidential belief function-based landslide susceptibility assessment in Western Mazandaran Province, Iran. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	188
41	Rainfall-induced landslide susceptibility assessment at the Chongren area (China) using frequency ratio, certainty factor, and index of entropy. <i>Geocarto International</i> , <b>2016</b> , 1-16	2.7	81
40	Application of frequency ratio, weights of evidence and evidential belief function models in landslide susceptibility mapping. <i>Geocarto International</i> , <b>2016</b> , 1-21	2.7	40
39	A GIS-based comparative study of frequency ratio, statistical index and weights-of-evidence models in landslide susceptibility mapping. <i>Arabian Journal of Geosciences</i> , <b>2016</b> , 9, 1	1.8	59
38	Landslide susceptibility mapping based on GIS and support vector machine models for the Qianyang County, China. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	35
37	Landslide susceptibility assessment in Lianhua County (China): A comparison between a random forest data mining technique and bivariate and multivariate statistical models. <i>Geomorphology</i> , <b>2016</b> , 259, 105-118	4.3	242
36	Gully erosion susceptibility mapping: the role of GIS-based bivariate statistical models and their comparison. <i>Natural Hazards</i> , <b>2016</b> , 82, 1231-1258	3	135

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33	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> , <b>2016</b> , 75, 1	2.9	65
32	Investigation of general indicators influencing on forest fire and its susceptibility modeling using different data mining techniques. <i>Ecological Indicators</i> , <b>2016</b> , 64, 72-84	5.8	111
31	Application of frequency ratio and weights of evidence models in landslide susceptibility mapping for the Shangzhou District of Shangluo City, China. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	441
30	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> , <b>2016</b> , 83, 947-987	3	214
29	GIS-based multivariate adaptive regression spline and random forest models for groundwater potential mapping in Iran. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	108
28	Spatial prediction of landslide susceptibility using integrated frequency ratio with entropy and support vector machines by different kernel functions. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	32
27	A comparative study of statistical index and certainty factor models in landslide susceptibility mapping: a case study for the Shangzhou District, Shaanxi Province, China. <i>Arabian Journal of Geosciences</i> , <b>2015</b> , 8, 9079-9088	1.8	20
26	An integrated artificial neural network model for the landslide susceptibility assessment of Osado Island, Japan. <i>Natural Hazards</i> , <b>2015</b> , 78, 1749-1776	3	135
25	Application of analytical hierarchy process, frequency ratio, and certainty factor models for groundwater potential mapping using GIS. <i>Earth Science Informatics</i> , <b>2015</b> , 8, 867-883	2.5	258
24	GIS-based assessment of landslide susceptibility using certainty factor and index of entropy models for the Qianyang County of Baoji city, China. <i>Journal of Earth System Science</i> , <b>2015</b> , 124, 1399-1415	1.8	81
23	A Comparative Assessment Between Three Machine Learning Models and Their Performance Comparison by Bivariate and Multivariate Statistical Methods in Groundwater Potential Mapping. <i>Water Resources Management</i> , <b>2015</b> , 29, 5217-5236	3.7	157
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21	Groundwater potential mapping at Kurdistan region of Iran using analytic hierarchy process and GIS. <i>Arabian Journal of Geosciences</i> , <b>2015</b> , 8, 7059-7071	1.8	256
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11	Landslide susceptibility mapping using support vector machine and GIS at the Golestan Province, Iran. <i>Journal of Earth System Science</i> , <b>2013</b> , 122, 349-369	1.8	224
10	Application of weights-of-evidence and certainty factor models and their comparison in landslide susceptibility mapping at Haraz watershed, Iran. <i>Arabian Journal of Geosciences</i> , <b>2013</b> , 6, 2351-2365	1.8	211
9	Landslide susceptibility mapping using certainty factor, index of entropy and logistic regression models in GIS and their comparison at Mugling Narayanghat road section in Nepal Himalaya. <i>Natural Hazards</i> , <b>2013</b> , 65, 135-165	3	422
8	Application of fuzzy logic and analytical hierarchy process (AHP) to landslide susceptibility mapping at Haraz watershed, Iran. <i>Natural Hazards</i> , <b>2012</b> , 63, 965-996	3	559
7	Landslide susceptibility mapping at Golestan Province, Iran: A comparison between frequency ratio, Dempster Shafer, and weights-of-evidence models. <i>Journal of Asian Earth Sciences</i> , <b>2012</b> , 61, 221-236	2.8	301
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