Wei Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

		2802	6654
197	26,844	94	156
papers	citations	h-index	g-index

198	198	198	8579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flash flood susceptibility mapping using stacking ensemble machine learning models. Geocarto International, 2024, 37, 15010-15036.	3.5	9
2	Deep learning and boosting framework for piping erosion susceptibility modeling: spatial evaluation of agricultural areas in the semi-arid region. Geocarto International, 2022, 37, 4628-4654.	3.5	27
3	Evaluation efficiency of hybrid deep learning algorithms with neural network decision tree and boosting methods for predicting groundwater potential. Geocarto International, 2022, 37, 5564-5584.	3.5	54
4	Debris flows modeling using geo-environmental factors: developing hybridized deep-learning algorithms. Geocarto International, 2022, 37, 5150-5173.	3.5	24
5	Comparison of statistical and machine learning approaches in land subsidence modelling. Geocarto International, 2022, 37, 6165-6185.	3.5	5
6	Toward the development of deep learning analyses for snow avalanche releases in mountain regions. Geocarto International, 2022, 37, 7855-7880.	3.5	36
7	Uncertainty pattern in landslide susceptibility prediction modelling: Effects of different landslide boundaries and spatial shape expressions. Geoscience Frontiers, 2022, 13, 101317.	8.4	74
8	Landslide susceptibility modeling based on remote sensing data and data mining techniques. Environmental Earth Sciences, 2022, 81, 1.	2.7	12
9	Regional rainfall-induced landslide hazard warning based on landslide susceptibility mapping and a critical rainfall threshold. Geomorphology, 2022, 408, 108236.	2.6	73
10	Landslide susceptibility modeling based on GIS and ensemble techniques. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	4
11	Advanced machine learning algorithms for flood susceptibility modeling â€" performance comparison: Red Sea, Egypt. Environmental Science and Pollution Research, 2022, 29, 66768-66792.	5.3	8
12	Landslide susceptibility mapping using machine learning algorithms and comparison of their performance at Abha Basin, Asir Region, Saudi Arabia. Geoscience Frontiers, 2021, 12, 639-655.	8.4	206
13	Location-allocation modeling for emergency evacuation planning with GIS and remote sensing: A case study of Northeast Bangladesh. Geoscience Frontiers, 2021, 12, 101095.	8.4	49
14	Landslide susceptibility modeling based on ANFIS with teaching-learning-based optimization and Satin bowerbird optimizer. Geoscience Frontiers, 2021, 12, 93-107.	8.4	133
15	GIS-based landslide susceptibility assessment using optimized hybrid machine learning methods. Catena, 2021, 196, 104833.	5.0	171
16	Assessment of land degradation using machineâ€learning techniques: A case of declining rangelands. Land Degradation and Development, 2021, 32, 1452-1466.	3.9	33
17	Groundwater recharge potential zonation using an ensemble of machine learning and bivariate statistical models. Scientific Reports, 2021, 11, 5587.	3.3	47
18	Evaluation of multi-hazard map produced using MaxEnt machine learning technique. Scientific Reports, 2021, 11, 6496.	3.3	63

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19	Landslide susceptibility assessment and mapping using state-of-the art machine learning techniques. Natural Hazards, 2021, 108, 1291-1316.	3.4	27
20	Landslide susceptibility mapping using statistical bivariate models and their hybrid with normalized spatial-correlated scale index and weighted calibrated landslide potential model. Environmental Earth Sciences, 2021, 80, 1.	2.7	27
21	Evaluation of different boosting ensemble machine learning models and novel deep learning and boosting framework for head-cut gully erosion susceptibility. Journal of Environmental Management, 2021, 284, 112015.	7.8	80
22	Incorporating Landslide Spatial Information and Correlated Features among Conditioning Factors for Landslide Susceptibility Mapping. Remote Sensing, 2021, 13, 2166.	4.0	29
23	Hybrids of Support Vector Regression with Grey Wolf Optimizer and Firefly Algorithm for Spatial Prediction of Landslide Susceptibility. Remote Sensing, 2021, 13, 4966.	4.0	16
24	Soil erosion assessment using RUSLE model and its validation by FR probability model. Geocarto International, 2020, 35, 1750-1768.	3.5	51
25	Modeling flood susceptibility using data-driven approaches of naÃ¯ve Bayes tree, alternating decision tree, and random forest methods. Science of the Total Environment, 2020, 701, 134979.	8.0	280
26	GIS-Based Evaluation of Landslide Susceptibility Models Using Certainty Factors and Functional Trees-Based Ensemble Techniques. Applied Sciences (Switzerland), 2020, 10, 16.	2.5	75
27	Groundwater Spring Potential Mapping Using Artificial Intelligence Approach Based on Kernel Logistic Regression, Random Forest, and Alternating Decision Tree Models. Applied Sciences (Switzerland), 2020, 10, 425.	2.5	79
28	Study on recognition of mine water sources based on statistical analysis. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	9
29	Comparison of machine learning models for gully erosion susceptibility mapping. Geoscience Frontiers, 2020, 11, 1609-1620.	8.4	96
30	Optimizing collapsed pipes mapping: Effects of DEM spatial resolution. Catena, 2020, 187, 104344.	5.0	10
31	Investigating the effects of different landslide positioning techniques, landslide partitioning approaches, and presence-absence balances on landslide susceptibility mapping. Catena, 2020, 187, 104364.	5.0	92
32	Is multi-hazard mapping effective in assessing natural hazards and integrated watershed management?. Geoscience Frontiers, 2020, 11, 1203-1217.	8.4	67
33	An assessment of metaheuristic approaches for flood assessment. Journal of Hydrology, 2020, 582, 124536.	5.4	50
34	Performance Evaluation of GIS-Based Artificial Intelligence Approaches for Landslide Susceptibility Modeling and Spatial Patterns Analysis. ISPRS International Journal of Geo-Information, 2020, 9, 443.	2.9	45
35	A machine learning framework for multi-hazards modeling and mapping in a mountainous area. Scientific Reports, 2020, 10, 12144.	3.3	66
36	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. Natural Hazards, 2020, 104, 305-327.	3.4	29

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37	Combining Evolutionary Algorithms and Machine Learning Models in Landslide Susceptibility Assessments. Remote Sensing, 2020, 12, 3854.	4.0	58
38	Landslide Detection and Susceptibility Modeling on Cameron Highlands (Malaysia): A Comparison between Random Forest, Logistic Regression and Logistic Model Tree Algorithms. Forests, 2020, 11, 830.	2.1	57
39	Landslide Susceptibility Mapping Using Machine Learning Algorithms and Remote Sensing Data in a Tropical Environment. International Journal of Environmental Research and Public Health, 2020, 17, 4933.	2.6	84
40	A new integrated data mining model to map spatial variation in the susceptibility of land to act as a source of aeolian dust. Environmental Science and Pollution Research, 2020, 27, 42022-42039.	5.3	26
41	GIS-Based Machine Learning Algorithms for Gully Erosion Susceptibility Mapping in a Semi-Arid Region of Iran. Remote Sensing, 2020, 12, 2478.	4.0	92
42	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. Remote Sensing, 2020, 12, 4134.	4.0	37
43	Performance Evaluation and Comparison of Bivariate Statistical-Based Artificial Intelligence Algorithms for Spatial Prediction of Landslides. ISPRS International Journal of Geo-Information, 2020, 9, 696.	2.9	14
44	Modeling Spatial Flood using Novel Ensemble Artificial Intelligence Approaches in Northern Iran. Remote Sensing, 2020, 12, 3423.	4.0	41
45	Spatial prediction of groundwater potential mapping based on convolutional neural network (CNN) and support vector regression (SVR). Journal of Hydrology, 2020, 588, 125033.	5.4	188
46	Assessing, mapping, and optimizing the locations of sediment control check dams construction. Science of the Total Environment, 2020, 739, 139954.	8.0	20
47	Spatial prediction of landslide susceptibility using hybrid support vector regression (SVR) and the adaptive neuro-fuzzy inference system (ANFIS) with various metaheuristic algorithms. Science of the Total Environment, 2020, 741, 139937.	8.0	113
48	GIS-Based Gully Erosion Susceptibility Mapping: A Comparison of Computational Ensemble Data Mining Models. Applied Sciences (Switzerland), 2020, 10, 2039.	2.5	78
49	Spatial Prediction of Landslide Susceptibility Based on GIS and Discriminant Functions. ISPRS International Journal of Geo-Information, 2020, 9, 144.	2.9	42
50	Landslide Susceptibility Evaluation and Management Using Different Machine Learning Methods in The Gallicash River Watershed, Iran. Remote Sensing, 2020, 12, 475.	4.0	121
51	Hybrid Computational Intelligence Methods for Landslide Susceptibility Mapping. Symmetry, 2020, 12, 325.	2.2	56
52	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. Forest Ecology and Management, 2020, 473, 118338.	3.2	33
53	Optimization of Computational Intelligence Models for Landslide Susceptibility Evaluation. Remote Sensing, 2020, 12, 2180.	4.0	99
54	Gully head modelling in Iranian Loess Plateau under different scenarios. Catena, 2020, 194, 104769.	5.0	13

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55	Spatial modeling, risk mapping, change detection, and outbreak trend analysis of coronavirus (COVID-19) in Iran (days between February 19 and June 14, 2020). International Journal of Infectious Diseases, 2020, 98, 90-108.	3.3	94
56	GIS-based evaluation of landslide susceptibility using hybrid computational intelligence models. Catena, 2020, 195, 104777.	5.0	143
57	Groundwater spring potential assessment using new ensemble data mining techniques. Measurement: Journal of the International Measurement Confederation, 2020, 157, 107652.	5.0	32
58	Spatial Prediction of Landslides Using Hybrid Integration of Artificial Intelligence Algorithms with Frequency Ratio and Index of Entropy in Nanzheng County, China. Applied Sciences (Switzerland), 2020, 10, 29.	2.5	48
59	Landslide Susceptibility Evaluation Using Hybrid Integration of Evidential Belief Function and Machine Learning Techniques. Water (Switzerland), 2020, 12, 113.	2.7	74
60	Gully Head-Cut Distribution Modeling Using Machine Learning Methodsâ€"A Case Study of N.W. Iran. Water (Switzerland), 2020, 12, 16.	2.7	30
61	Hybrid Computational Intelligence Models for Improvement Gully Erosion Assessment. Remote Sensing, 2020, 12, 140.	4.0	33
62	Evaluating the usage of tree-based ensemble methods in groundwater spring potential mapping. Journal of Hydrology, 2020, 583, 124602.	5.4	98
63	Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. Sensors, 2020, 20, 335.	3.8	33
64	Flash flood susceptibility modelling using functional tree and hybrid ensemble techniques. Journal of Hydrology, 2020, 587, 125007.	5.4	88
65	Using machine learning algorithms to map the groundwater recharge potential zones. Journal of Environmental Management, 2020, 265, 110525.	7.8	52
66	Shallow Landslide Susceptibility Mapping by Random Forest Base Classifier and Its Ensembles in a Semi-Arid Region of Iran. Forests, 2020, 11, 421.	2.1	87
67	Shallow Landslide Susceptibility Mapping: A Comparison between Logistic Model Tree, Logistic Regression, NaÃ¯ve Bayes Tree, Artificial Neural Network, and Support Vector Machine Algorithms. International Journal of Environmental Research and Public Health, 2020, 17, 2749.	2.6	159
68	A Review on the Gully Erosion and Land Degradation in Iran. Advances in Science, Technology and Innovation, 2020, , 393-403.	0.4	6
69	Gully Erosion Susceptibility Assessment Through the SVM Machine Learning Algorithm (SVM-MLA). Advances in Science, Technology and Innovation, 2020, , 415-425.	0.4	4
70	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. Remote Sensing, 2019, 11, 1589.	4.0	124
71	Sedimentological characteristics and application of machine learning techniques for landslide susceptibility modelling along the highway corridor Nahan to Rajgarh (Himachal Pradesh), India. Catena, 2019, 182, 104150.	5.0	39
72	Multi-hazard probability assessment and mapping in Iran. Science of the Total Environment, 2019, 692, 556-571.	8.0	119

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73	GISâ€based susceptibility assessment of the occurrence of gully headcuts and pipe collapses in a semiâ€arid environment: Golestan Province, NE Iran. Land Degradation and Development, 2019, 30, 2211-2225.	3.9	26
74	Flood susceptibility mapping in Dingnan County (China) using adaptive neuro-fuzzy inference system with biogeography based optimization and imperialistic competitive algorithm. Journal of Environmental Management, 2019, 247, 712-729.	7.8	169
75	A Hybrid Computational Intelligence Approach to Groundwater Spring Potential Mapping. Water (Switzerland), 2019, 11, 2013.	2.7	64
76	A Comparative Assessment of Random Forest and k-Nearest Neighbor Classifiers for Gully Erosion Susceptibility Mapping. Water (Switzerland), 2019, 11, 2076.	2.7	75
77	SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. Applied Sciences (Switzerland), 2019, 9, 3495.	2.5	42
78	Spatial Prediction of Landslide Susceptibility Using GIS-Based Data Mining Techniques of ANFIS with Whale Optimization Algorithm (WOA) and Grey Wolf Optimizer (GWO). Applied Sciences (Switzerland), 2019, 9, 3755.	2.5	129
79	Landslide spatial modelling using novel bivariate statistical based NaÃ¯ve Bayes, RBF Classifier, and RBF Network machine learning algorithms. Science of the Total Environment, 2019, 663, 1-15.	8.0	182
80	Groundwater spring potential mapping using population-based evolutionary algorithms and data mining methods. Science of the Total Environment, 2019, 684, 31-49.	8.0	110
81	Flood susceptibility modelling using novel hybrid approach of reduced-error pruning trees with bagging and random subspace ensembles. Journal of Hydrology, 2019, 575, 864-873.	5.4	213
82	Evaluation of factors affecting gully headcut location using summary statistics and the maximum entropy model: Golestan Province, NE Iran. Science of the Total Environment, 2019, 677, 281-298.	8.0	36
83	Novel Entropy and Rotation Forest-Based Credal Decision Tree Classifier for Landslide Susceptibility Modeling. Entropy, 2019, 21, 106.	2.2	61
84	Spatial prediction of landslide susceptibility by combining evidential belief function, logistic regression and logistic model tree. Geocarto International, 2019, 34, 1177-1201.	3.5	99
85	Gully erosion susceptibility assessment and management of hazard-prone areas in India using different machine learning algorithms. Science of the Total Environment, 2019, 668, 124-138.	8.0	202
86	Spatial prediction of groundwater potentiality using ANFIS ensembled with teaching-learning-based and biogeography-based optimization. Journal of Hydrology, 2019, 572, 435-448.	5.4	150
87	Novel Hybrid Integration Approach of Bagging-Based Fisherâ€™s Linear Discriminant Function for Groundwater Potential Analysis. Natural Resources Research, 2019, 28, 1239-1258.	4.7	113
88	Gully headcut susceptibility modeling using functional trees, naÃ¯ve Bayes tree, and random forest models. Geoderma, 2019, 342, 1-11.	5.1	79
89	PMT: New analytical framework for automated evaluation of geo-environmental modelling approaches. Science of the Total Environment, 2019, 664, 296-311.	8.0	84
90	Spatial Modeling of Gully Erosion Using Linear and Quadratic Discriminant Analyses in GIS and R. , 2019, , 299-321.		32

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91	A Novel Intelligence Approach of a Sequential Minimal Optimization-Based Support Vector Machine for Landslide Susceptibility Mapping. Sustainability, 2019, 11, 6323.	3.2	37
92	Gully Erosion Susceptibility Mapping Using Multivariate Adaptive Regression Splinesâ€"Replications and Sample Size Scenarios. Water (Switzerland), 2019, 11, 2319.	2.7	25
93	Landslide Susceptibility Mapping Using GIS-Based Data Mining Algorithms. Water (Switzerland), 2019, 11, 2292.	2.7	40
94	Applying population-based evolutionary algorithms and a neuro-fuzzy system for modeling landslide susceptibility. Catena, 2019, 172, 212-231.	5.0	210
95	A Hybrid GIS Multi-Criteria Decision-Making Method for Flood Susceptibility Mapping at Shangyou, China. Remote Sensing, 2019, 11, 62.	4.0	110
96	Novel hybrid artificial intelligence approach of bivariate statistical-methods-based kernel logistic regression classifier for landslide susceptibility modeling. Bulletin of Engineering Geology and the Environment, 2019, 78, 4397-4419.	3.5	135
97	Landslide susceptibility assessment at the Wuning area, China: a comparison between multi-criteria decision making, bivariate statistical and machine learning methods. Natural Hazards, 2019, 96, 173-212.	3.4	94
98	Assessment of the importance of gully erosion effective factors using Boruta algorithm and its spatial modeling and mapping using three machine learning algorithms. Geoderma, 2019, 340, 55-69.	5.1	152
99	Spatial modelling of gully headcuts using UAV data and four best-first decision classifier ensembles (BFTree, Bag-BFTree, RS-BFTree, and RF-BFTree). Geomorphology, 2019, 329, 184-193.	2.6	58
100	Landslide Susceptibility Modeling Using Integrated Ensemble Weights of Evidence with Logistic Regression and Random Forest Models. Applied Sciences (Switzerland), 2019, 9, 171.	2.5	124
101	Prioritization of effective factors in the occurrence of land subsidence and its susceptibility mapping using an SVM model and their different kernel functions. Bulletin of Engineering Geology and the Environment, 2019, 78, 4017-4034.	3.5	99
102	Application of Fuzzy Analytical Network Process Model for Analyzing the Gully Erosion Susceptibility. Advances in Natural and Technological Hazards Research, 2019, , 105-125.	1.1	25
103	Spatial prediction of landslide susceptibility using data mining-based kernel logistic regression, naive Bayes and RBFNetwork models for the Long County area (China). Bulletin of Engineering Geology and the Environment, 2019, 78, 247-266.	3.5	122
104	GIS-based landslide susceptibility evaluation using a novel hybrid integration approach of bivariate statistical based random forest method. Catena, 2018, 164, 135-149.	5.0	207
105	Landslide susceptibility modelling using GIS-based machine learning techniques for Chongren County, Jiangxi Province, China. Science of the Total Environment, 2018, 626, 1121-1135.	8.0	296
106	GIS-based groundwater potential analysis using novel ensemble weights-of-evidence with logistic regression and functional tree models. Science of the Total Environment, 2018, 634, 853-867.	8.0	245
107	Flood susceptibility mapping using geospatial frequency ratio technique: a case study of Subarnarekha River Basin, India. Modeling Earth Systems and Environment, 2018, 4, 395-408.	3.4	116
108	Application of fuzzy weight of evidence and data mining techniques in construction of flood susceptibility map of Poyang County, China. Science of the Total Environment, 2018, 625, 575-588.	8.0	279

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109	Landslide susceptibility mapping using J48 Decision Tree with AdaBoost, Bagging and Rotation Forest ensembles in the Guangchang area (China). Catena, 2018, 163, 399-413.	5.0	367
110	A novel ensemble approach of bivariate statistical-based logistic model tree classifier for landslide susceptibility assessment. Geocarto International, 2018, 33, 1398-1420.	3.5	93
111	Analysis and evaluation of landslide susceptibility: a review on articles published during 2005â€“2016 (periods of 2005â€“2012 and 2013â€“2016). Arabian Journal of Geosciences, 2018, 11, 1.	1.3	166
112	A comparative study of landslide susceptibility maps produced using support vector machine with different kernel functions and entropy data mining models in China. Bulletin of Engineering Geology and the Environment, 2018, 77, 647-664.	3.5	161
113	A comparison between ten advanced and soft computing models for groundwater qanat potential assessment in Iran using R and GIS. Theoretical and Applied Climatology, 2018, 131, 967-984.	2.8	127
114	Prioritization of landslide conditioning factors and its spatial modeling in Shangnan County, China using GIS-based data mining algorithms. Bulletin of Engineering Geology and the Environment, 2018, 77, 611-629.	3.5	94
115	A comparative study on groundwater spring potential analysis based on statistical index, index of entropy and certainty factors models. Geocarto International, 2018, 33, 754-769.	3.5	39
116	Flood susceptibility assessment in Hengfeng area coupling adaptive neuro-fuzzy inference system with genetic algorithm and differential evolution. Science of the Total Environment, 2018, 621, 1124-1141.	8.0	298
117	Flood susceptibility mapping using novel ensembles of adaptive neuro fuzzy inference system and metaheuristic algorithms. Science of the Total Environment, 2018, 615, 438-451.	8.0	330
118	Spatial modelling of gully erosion in Mazandaran Province, northern Iran. Catena, 2018, 161, 1-13.	5.0	155
119	Landslide susceptibility modeling applying machine learning methods: A case study from Longju in the Three Gorges Reservoir area, China. Computers and Geosciences, 2018, 112, 23-37.	4.2	262
120	Prediction of the landslide susceptibility: Which algorithm, which precision?. Catena, 2018, 162, 177-192.	5.0	338
121	Novel GIS Based Machine Learning Algorithms for Shallow Landslide Susceptibility Mapping. Sensors, 2018, 18, 3777.	3.8	146
122	Landslide Susceptibility Modeling Based on GIS and Novel Bagging-Based Kernel Logistic Regression. Applied Sciences (Switzerland), 2018, 8, 2540.	2.5	140
123	Hybrid Integration Approach of Entropy with Logistic Regression and Support Vector Machine for Landslide Susceptibility Modeling. Entropy, 2018, 20, 884.	2.2	67
124	Landslide Detection and Susceptibility Mapping by AIRSAR Data Using Support Vector Machine and Index of Entropy Models in Cameron Highlands, Malaysia. Remote Sensing, 2018, 10, 1527.	4.0	121
125	A novel hybrid bivariate statistical method entitled FROC for landslide susceptibility assessment. Environmental Earth Sciences, 2018, 77, 1.	2.7	8
126	Assessment of Landslide-Prone Areas and Their Zonation Using Logistic Regression, LogitBoost, and NaÃ¯veBayes Machine-Learning Algorithms. Sustainability, 2018, 10, 3697.	3.2	82

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127	Novel Hybrid Evolutionary Algorithms for Spatial Prediction of Floods. Scientific Reports, 2018, 8, 15364.	3.3	124
128	Spatial modelling of gully erosion using evidential belief function, logistic regression, and a new ensemble of evidential belief functionâ€“logistic regression algorithm. Land Degradation and Development, 2018, 29, 4035-4049.	3.9	98
129	New Hybrids of ANFIS with Several Optimization Algorithms for Flood Susceptibility Modeling. Water (Switzerland), 2018, 10, 1210.	2.7	174
130	GIS-based gully erosion susceptibility mapping: a comparison among three data-driven models and AHP knowledge-based technique. Environmental Earth Sciences, 2018, 77, 1.	2.7	125
131	Comparison of differences in resolution and sources of controlling factors for gully erosion susceptibility mapping. Geoderma, 2018, 330, 65-78.	5.1	111
132	Land Subsidence Susceptibility Mapping in South Korea Using Machine Learning Algorithms. Sensors, 2018, 18, 2464.	3.8	120
133	Performance evaluation of the GIS-based data mining techniques of best-first decision tree, random forest, and naÃ¯ve Bayes tree for landslide susceptibility modeling. Science of the Total Environment, 2018, 644, 1006-1018.	8.0	341
134	Spatial Modelling of Gully Erosion Using GIS and R Programing: A Comparison among Three Data Mining Algorithms. Applied Sciences (Switzerland), 2018, 8, 1369.	2.5	103
135	A GIS-based comparative study of Dempster-Shafer, logistic regression and artificial neural network models for landslide susceptibility mapping. Geocarto International, 2017, 32, 367-385.	3.5	143
136	Landslide susceptibility assesssment in the Uttarakhand area (India) using GIS: a comparison study of prediction capability of naÃ¯ve bayes, multilayer perceptron neural networks, and functional trees methods. Theoretical and Applied Climatology, 2017, 128, 255-273.	2.8	264
137	GIS-based landslide susceptibility modelling: a comparative assessment of kernel logistic regression, NaÃ¯ve-Bayes tree, and alternating decision tree models. Geomatics, Natural Hazards and Risk, 2017, 8, 950-973.	4.3	179
138	Comparing the Performance of a Logistic Regression and a Random Forest Model in Landslide Susceptibility Assessments. the Case of Wuyaun Area, China. , 2017, , 1043-1050.		10
139	A hybrid fuzzy weight of evidence method in landslide susceptibility analysis on the Wuyuan area, China. Geomorphology, 2017, 290, 1-16.	2.6	115
140	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. Arabian Journal of Geosciences, 2017, 10, 1.	1.3	91
141	A comparative study of logistic model tree, random forest, and classification and regression tree models for spatial prediction of landslide susceptibility. Catena, 2017, 151, 147-160.	5.0	637
142	Evaluation of different machine learning models for predicting and mapping the susceptibility of gully erosion. Geomorphology, 2017, 298, 118-137.	2.6	195
143	A novel hybrid integration model using support vector machines and random subspace for weather-triggered landslide susceptibility assessment in the Wuning area (China). Environmental Earth Sciences, 2017, 76, 1.	2.7	105
144	GIS-based spatial prediction of flood prone areas using standalone frequency ratio, logistic regression, weight of evidence and their ensemble techniques. Geomatics, Natural Hazards and Risk, 2017, 8, 1538-1561.	4.3	178

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145	Performance assessment of individual and ensemble data-mining techniques for gully erosion modeling. Science of the Total Environment, 2017, 609, 764-775.	8.0	258
146	Spatial prediction of rotational landslide using geographically weighted regression, logistic regression, and support vector machine models in Xing Guo area (China). Geomatics, Natural Hazards and Risk, 2017, 8, 1997-2022.	4.3	40
147	A novel hybrid artificial intelligence approach based on the rotation forest ensemble and naÃ¯ve Bayes tree classifiers for a landslide susceptibility assessment in Langao County, China. Geomatics, Natural Hazards and Risk, 2017, 8, 1955-1977.	4.3	162
148	Landslide spatial modeling: Introducing new ensembles of ANN, MaxEnt, and SVM machine learning techniques. Geoderma, 2017, 305, 314-327.	5.1	280
149	Comparison of four kernel functions used in support vector machines for landslide susceptibility mapping: a case study at Suichuan area (China). Geomatics, Natural Hazards and Risk, 2017, 8, 544-569.	4.3	100
150	Applying Information Theory and GIS-based quantitative methods to produce landslide susceptibility maps in Nancheng County, China. Landslides, 2017, 14, 1091-1111.	5.4	136
151	Landslide susceptibility modeling in a landslide prone area in Mazandarn Province, north of Iran: a comparison between GLM, GAM, MARS, and M-AHP methods. Theoretical and Applied Climatology, 2017, 130, 609-633.	2.8	129
152	Evaluating the influence of geo-environmental factors on gully erosion in a semi-arid region of Iran: An integrated framework. Science of the Total Environment, 2017, 579, 913-927.	8.0	152
153	Applying different scenarios for landslide spatial modeling using computational intelligence methods. Environmental Earth Sciences, 2017, 76, 1.	2.7	49
154	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. Natural Hazards, 2016, 83, 947-987.	3.4	333
155	GIS-based multivariate adaptive regression spline and random forest models for groundwater potential mapping in Iran. Environmental Earth Sciences, 2016, 75, 1.	2.7	149
156	Spatial prediction of landslide susceptibility using integrated frequency ratio with entropy and support vector machines by different kernel functions. Environmental Earth Sciences, 2016, 75, 1.	2.7	43
157	Flash flood susceptibility analysis and its mapping using different bivariate models in Iran: a comparison between Shannonâ€™s entropy, statistical index, and weighting factor models. Environmental Monitoring and Assessment, 2016, 188, 656.	2.7	202
158	GIS-based forest fire susceptibility mapping in Iran: a comparison between evidential belief function and binary logistic regression models. Scandinavian Journal of Forest Research, 2016, 31, 80-98.	1.4	99
159	Random forests and evidential belief function-based landslide susceptibility assessment in Western Mazandaran Province, Iran. Environmental Earth Sciences, 2016, 75, 1.	2.7	245
160	A GIS-based comparative study of frequency ratio, statistical index and weights-of-evidence models in landslide susceptibility mapping. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	84
161	Landslide susceptibility mapping based on GIS and support vector machine models for the Qianyang County, China. Environmental Earth Sciences, 2016, 75, 1.	2.7	64
162	Landslide susceptibility assessment in Lianhua County (China): A comparison between a random forest data mining technique and bivariate and multivariate statistical models. Geomorphology, 2016, 259, 105-118.	2.6	330

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163	Gully erosion susceptibility mapping: the role of GIS-based bivariate statistical models and their comparison. Natural Hazards, 2016, 82, 1231-1258.	3.4	189
164	GIS-based landslide spatial modeling in Ganzhou City, China. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	123
165	GIS-based groundwater potential mapping using boosted regression tree, classification and regression tree, and random forest machine learning models in Iran. Environmental Monitoring and Assessment, 2016, 188, 44.	2.7	489
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