

Wei Chen

List of Publications by Year in descending order

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197
papers

26,844
citations

2802

94
h-index

6654

156
g-index

198
all docs

198
docs citations

198
times ranked

8579
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2016, 75, 1.	2.7	766
2	Application of fuzzy logic and analytical hierarchy process (AHP) to landslide susceptibility mapping at Haraz watershed, Iran. <i>Natural Hazards</i> , 2012, 63, 965-996.	3.4	758
3	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.	5.0	637
4	Landslide susceptibility mapping using certainty factor, index of entropy and logistic regression models in GIS and their comparison at Muglingâ€™Narayanghat road section in Nepal Himalaya. <i>Natural Hazards</i> , 2013, 65, 135-165.	3.4	559
5	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> , 2016, 13, 839-856.	5.4	530
6	GIS-based groundwater potential mapping using boosted regression tree, classification and regression tree, and random forest machine learning models in Iran. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 44.	2.7	489
7	Groundwater potential mapping at Kurdistan region of Iran using analytic hierarchy process and GIS. <i>Arabian Journal of Geosciences</i> , 2015, 8, 7059-7071.	1.3	417
8	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> , 2016, 137, 360-372.	5.0	408
9	Landslide susceptibility mapping using index of entropy and conditional probability models in GIS: Safarood Basin, Iran. <i>Catena</i> , 2012, 97, 71-84.	5.0	400
10	Application of analytical hierarchy process, frequency ratio, and certainty factor models for groundwater potential mapping using GIS. <i>Earth Science Informatics</i> , 2015, 8, 867-883.	3.2	389
11	Landslide susceptibility mapping at Golestan Province, Iran: A comparison between frequency ratio, Dempsterâ€™Shafer, and weights-of-evidence models. <i>Journal of Asian Earth Sciences</i> , 2012, 61, 221-236.	2.3	378
12	Flood susceptibility mapping using frequency ratio and weights-of-evidence models in the Golastan Province, Iran. <i>Geocarto International</i> , 2016, 31, 42-70.	3.5	376
13	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.	5.0	367
14	Application of frequency ratio, statistical index, and weights-of-evidence models and their comparison in landslide susceptibility mapping in Central Nepal Himalaya. <i>Arabian Journal of Geosciences</i> , 2014, 7, 725-742.	1.3	366
15	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.	8.0	341
16	Prediction of the landslide susceptibility: Which algorithm, which precision?. <i>Catena</i> , 2018, 162, 177-192.	5.0	338
17	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.	3.4	333
18	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> , 2016, 259, 105-118.	2.6	330

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19	Flood susceptibility mapping using novel ensembles of adaptive neuro fuzzy inference system and metaheuristic algorithms. <i>Science of the Total Environment</i> , 2018, 615, 438-451.	8.0	330
20	Landslide susceptibility mapping at Vaz Watershed (Iran) using an artificial neural network model: a comparison between multilayer perceptron (MLP) and radial basic function (RBF) algorithms. <i>Arabian Journal of Geosciences</i> , 2013, 6, 2873-2888.	1.3	315
21	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.	8.0	298
22	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.	8.0	296
23	Landslide spatial modeling: Introducing new ensembles of ANN, MaxEnt, and SVM machine learning techniques. <i>Geoderma</i> , 2017, 305, 314-327.	5.1	280
24	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.	8.0	280
25	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.	8.0	279
26	Landslide susceptibility mapping using support vector machine and GIS at the Golestan Province, Iran. <i>Journal of Earth System Science</i> , 2013, 122, 349-369.	1.3	278
27	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> , 2017, 128, 255-273.	2.8	264
28	Landslide susceptibility modeling applying machine learning methods: A case study from Longju in the Three Gorges Reservoir area, China. <i>Computers and Geosciences</i> , 2018, 112, 23-37.	4.2	262
29	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> , 2013, 6, 2351-2365.	1.3	261
30	Groundwater qanat potential mapping using frequency ratio and Shannon's entropy models in the Moghan watershed, Iran. <i>Earth Science Informatics</i> , 2015, 8, 171-186.	3.2	259
31	Performance assessment of individual and ensemble data-mining techniques for gully erosion modeling. <i>Science of the Total Environment</i> , 2017, 609, 764-775.	8.0	258
32	Random forests and evidential belief function-based landslide susceptibility assessment in Western Mazandaran Province, Iran. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	245
33	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.	8.0	245
34	GIS-based groundwater spring potential assessment and mapping in the Birjand Township, southern Khorasan Province, Iran. <i>Hydrogeology Journal</i> , 2014, 22, 643-662.	2.1	240
35	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> , 2015, 29, 5217-5236.	3.9	213
36	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.	5.4	213

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37	Applying population-based evolutionary algorithms and a neuro-fuzzy system for modeling landslide susceptibility. <i>Catena</i> , 2019, 172, 212-231.	5.0	210
38	GIS-based landslide susceptibility evaluation using a novel hybrid integration approach of bivariate statistical based random forest method. <i>Catena</i> , 2018, 164, 135-149.	5.0	207
39	Landslide susceptibility mapping using machine learning algorithms and comparison of their performance at Abha Basin, Asir Region, Saudi Arabia. <i>Geoscience Frontiers</i> , 2021, 12, 639-655.	8.4	206
40	Flash flood susceptibility analysis and its mapping using different bivariate models in Iran: a comparison between Shannon's entropy, statistical index, and weighting factor models. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 656.	2.7	202
41	Gully erosion susceptibility assessment and management of hazard-prone areas in India using different machine learning algorithms. <i>Science of the Total Environment</i> , 2019, 668, 124-138.	8.0	202
42	Evaluation of different machine learning models for predicting and mapping the susceptibility of gully erosion. <i>Geomorphology</i> , 2017, 298, 118-137.	2.6	195
43	Gully erosion susceptibility mapping: the role of GIS-based bivariate statistical models and their comparison. <i>Natural Hazards</i> , 2016, 82, 1231-1258.	3.4	189
44	Spatial prediction of groundwater potential mapping based on convolutional neural network (CNN) and support vector regression (SVR). <i>Journal of Hydrology</i> , 2020, 588, 125033.	5.4	188
45	An integrated artificial neural network model for the landslide susceptibility assessment of Osado Island, Japan. <i>Natural Hazards</i> , 2015, 78, 1749-1776.	3.4	182
46	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.	8.0	182
47	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> , 2017, 8, 950-973.	4.3	179
48	Investigation of general indicators influencing on forest fire and its susceptibility modeling using different data mining techniques. <i>Ecological Indicators</i> , 2016, 64, 72-84.	6.3	178
49	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> , 2017, 8, 1538-1561.	4.3	178
50	New Hybrids of ANFIS with Several Optimization Algorithms for Flood Susceptibility Modeling. <i>Water (Switzerland)</i> , 2018, 10, 1210.	2.7	174
51	GIS-based landslide susceptibility assessment using optimized hybrid machine learning methods. <i>Catena</i> , 2021, 196, 104833.	5.0	171
52	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.	7.8	169
53	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> , 2018, 11, 1.	1.3	166
54	A novel hybrid artificial intelligence approach based on the rotation forest ensemble and naïve Bayes tree classifiers for a landslide susceptibility assessment in Langao County, China. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 1955-1977.	4.3	162

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55	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.	3.5	161
56	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, 2749.	2.6	159
57	Spatial modelling of gully erosion in Mazandaran Province, northern Iran. <i>Catena</i> , 2018, 161, 1-13.	5.0	155
58	Evaluating the influence of geo-environmental factors on gully erosion in a semi-arid region of Iran: An integrated framework. <i>Science of the Total Environment</i> , 2017, 579, 913-927.	8.0	152
59	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> , 2019, 340, 55-69.	5.1	152
60	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.	5.4	150
61	GIS-based multivariate adaptive regression spline and random forest models for groundwater potential mapping in Iran. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	149
62	Novel GIS Based Machine Learning Algorithms for Shallow Landslide Susceptibility Mapping. <i>Sensors</i> , 2018, 18, 3777.	3.8	146
63	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.	3.5	143
64	GIS-based evaluation of landslide susceptibility using hybrid computational intelligence models. <i>Catena</i> , 2020, 195, 104777.	5.0	143
65	Landslide Susceptibility Modeling Based on GIS and Novel Bagging-Based Kernel Logistic Regression. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2540.	2.5	140
66	Assessment of a data-driven evidential belief function model and GIS for groundwater potential mapping in the Koohrang Watershed, Iran. <i>Geocarto International</i> , 2015, 30, 662-685.	3.5	139
67	Applying Information Theory and GIS-based quantitative methods to produce landslide susceptibility maps in Nancheng County, China. <i>Landslides</i> , 2017, 14, 1091-1111.	5.4	136
68	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.	3.5	135
69	Landslide susceptibility modeling based on ANFIS with teaching-learning-based optimization and Satin bowerbird optimizer. <i>Geoscience Frontiers</i> , 2021, 12, 93-107.	8.4	133
70	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> , 2017, 130, 609-633.	2.8	129
71	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.	2.5	129
72	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> , 2018, 131, 967-984.	2.8	127

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73	GIS-based gully erosion susceptibility mapping: a comparison among three data-driven models and AHP knowledge-based technique. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	125
74	Novel Hybrid Evolutionary Algorithms for Spatial Prediction of Floods. <i>Scientific Reports</i> , 2018, 8, 15364.	3.3	124
75	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.	4.0	124
76	Landslide Susceptibility Modeling Using Integrated Ensemble Weights of Evidence with Logistic Regression and Random Forest Models. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 171.	2.5	124
77	GIS-based landslide spatial modeling in Ganzhou City, China. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	123
78	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.	3.5	122
79	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.	4.0	121
80	Landslide Susceptibility Evaluation and Management Using Different Machine Learning Methods in The Gallicash River Watershed, Iran. <i>Remote Sensing</i> , 2020, 12, 475.	4.0	121
81	Land Subsidence Susceptibility Mapping in South Korea Using Machine Learning Algorithms. <i>Sensors</i> , 2018, 18, 2464.	3.8	120
82	Multi-hazard probability assessment and mapping in Iran. <i>Science of the Total Environment</i> , 2019, 692, 556-571.	8.0	119
83	Flood susceptibility mapping using geospatial frequency ratio technique: a case study of Subarnarekha River Basin, India. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 395-408.	3.4	116
84	A hybrid fuzzy weight of evidence method in landslide susceptibility analysis on the Wuyuan area, China. <i>Geomorphology</i> , 2017, 290, 1-16.	2.6	115
85	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.	4.7	113
86	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> , 2020, 741, 139937.	8.0	113
87	Comparison of differences in resolution and sources of controlling factors for gully erosion susceptibility mapping. <i>Geoderma</i> , 2018, 330, 65-78.	5.1	111
88	Groundwater spring potential mapping using population-based evolutionary algorithms and data mining methods. <i>Science of the Total Environment</i> , 2019, 684, 31-49.	8.0	110
89	A Hybrid GIS Multi-Criteria Decision-Making Method for Flood Susceptibility Mapping at Shangyou, China. <i>Remote Sensing</i> , 2019, 11, 62.	4.0	110
90	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> , 2015, 124, 1399-1415.	1.3	106

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91	Rainfall-induced landslide susceptibility assessment at the Chongren area (China) using frequency ratio, certainty factor, and index of entropy. <i>Geocarto International</i> , 0, , 1-16.	3.5	105
92	A novel hybrid integration model using support vector machines and random subspace for weather-triggered landslide susceptibility assessment in the Wuning area (China). <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	105
93	Spatial Modelling of Gully Erosion Using GIS and R Programing: A Comparison among Three Data Mining Algorithms. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1369.	2.5	103
94	Forest fire susceptibility mapping in the Minudasht forests, Golestan province, Iran. <i>Environmental Earth Sciences</i> , 2015, 73, 1515-1533.	2.7	101
95	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.	4.3	100
96	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> , 2016, 31, 80-98.	1.4	99
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.	3.5	99
98	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> , 2019, 78, 4017-4034.	3.5	99
99	Optimization of Computational Intelligence Models for Landslide Susceptibility Evaluation. <i>Remote Sensing</i> , 2020, 12, 2180.	4.0	99
100	Spatial modelling of gully erosion using evidential belief function, logistic regression, and a new ensemble of evidential belief function and logistic regression algorithm. <i>Land Degradation and Development</i> , 2018, 29, 4035-4049.	3.9	98
101	Evaluating the usage of tree-based ensemble methods in groundwater spring potential mapping. <i>Journal of Hydrology</i> , 2020, 583, 124602.	5.4	98
102	Comparison of machine learning models for gully erosion susceptibility mapping. <i>Geoscience Frontiers</i> , 2020, 11, 1609-1620.	8.4	96
103	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.	3.5	94
104	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.	3.4	94
105	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> , 2020, 98, 90-108.	3.3	94
106	A novel ensemble approach of bivariate statistical-based logistic model tree classifier for landslide susceptibility assessment. <i>Geocarto International</i> , 2018, 33, 1398-1420.	3.5	93
107	Investigating the effects of different landslide positioning techniques, landslide partitioning approaches, and presence-absence balances on landslide susceptibility mapping. <i>Catena</i> , 2020, 187, 104364.	5.0	92
108	GIS-Based Machine Learning Algorithms for Gully Erosion Susceptibility Mapping in a Semi-Arid Region of Iran. <i>Remote Sensing</i> , 2020, 12, 2478.	4.0	92

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109	Landslide susceptibility mapping along Bhalubang – Shiwapur area of mid-Western Nepal using frequency ratio and conditional probability models. <i>Journal of Mountain Science</i> , 2014, 11, 1266-1285.	2.0	91
110	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> , 2017, 10, 1.	1.3	91
111	Flash flood susceptibility modelling using functional tree and hybrid ensemble techniques. <i>Journal of Hydrology</i> , 2020, 587, 125007.	5.4	88
112	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.	2.1	87
113	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> , 2016, 9, 1.	1.3	84
114	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.	2.7	84
115	PMT: New analytical framework for automated evaluation of geo-environmental modelling approaches. <i>Science of the Total Environment</i> , 2019, 664, 296-311.	8.0	84
116	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, 4933.	2.6	84
117	Assessment of Landslide-Prone Areas and Their Zonation Using Logistic Regression, LogitBoost, and Naïve Bayes Machine-Learning Algorithms. <i>Sustainability</i> , 2018, 10, 3697.	3.2	82
118	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.	7.8	80
119	Gully headcut susceptibility modeling using functional trees, naïve Bayes tree, and random forest models. <i>Geoderma</i> , 2019, 342, 1-11.	5.1	79
120	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.	2.5	79
121	GIS-Based Gully Erosion Susceptibility Mapping: A Comparison of Computational Ensemble Data Mining Models. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2039.	2.5	78
122	Landslide susceptibility mapping based on GIS and information value model for the Chencang District of Baoji, China. <i>Arabian Journal of Geosciences</i> , 2014, 7, 4499-4511.	1.3	76
123	A Comparative Assessment of Random Forest and k-Nearest Neighbor Classifiers for Gully Erosion Susceptibility Mapping. <i>Water (Switzerland)</i> , 2019, 11, 2076.	2.7	75
124	GIS-Based Evaluation of Landslide Susceptibility Models Using Certainty Factors and Functional Trees-Based Ensemble Techniques. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 16.	2.5	75
125	Landslide Susceptibility Evaluation Using Hybrid Integration of Evidential Belief Function and Machine Learning Techniques. <i>Water (Switzerland)</i> , 2020, 12, 113.	2.7	74
126	Uncertainty pattern in landslide susceptibility prediction modelling: Effects of different landslide boundaries and spatial shape expressions. <i>Geoscience Frontiers</i> , 2022, 13, 101317.	8.4	74

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127	Regional rainfall-induced landslide hazard warning based on landslide susceptibility mapping and a critical rainfall threshold. <i>Geomorphology</i> , 2022, 408, 108236.	2.6	73
128	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> , 2016, 75, 63-87.	3.5	68
129	Hybrid Integration Approach of Entropy with Logistic Regression and Support Vector Machine for Landslide Susceptibility Modeling. <i>Entropy</i> , 2018, 20, 884.	2.2	67
130	Is multi-hazard mapping effective in assessing natural hazards and integrated watershed management?. <i>Geoscience Frontiers</i> , 2020, 11, 1203-1217.	8.4	67
131	A machine learning framework for multi-hazards modeling and mapping in a mountainous area. <i>Scientific Reports</i> , 2020, 10, 12144.	3.3	66
132	Application of frequency ratio, weights of evidence and evidential belief function models in landslide susceptibility mapping. <i>Geocarto International</i> , 0, , 1-21.	3.5	65
133	Landslide susceptibility mapping based on GIS and support vector machine models for the Qianyang County, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	64
134	A Hybrid Computational Intelligence Approach to Groundwater Spring Potential Mapping. <i>Water (Switzerland)</i> , 2019, 11, 2013.	2.7	64
135	Evaluation of multi-hazard map produced using MaxEnt machine learning technique. <i>Scientific Reports</i> , 2021, 11, 6496.	3.3	63
136	Novel Entropy and Rotation Forest-Based Credal Decision Tree Classifier for Landslide Susceptibility Modeling. <i>Entropy</i> , 2019, 21, 106.	2.2	61
137	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.	2.6	58
138	Combining Evolutionary Algorithms and Machine Learning Models in Landslide Susceptibility Assessments. <i>Remote Sensing</i> , 2020, 12, 3854.	4.0	58
139	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.	2.1	57
140	Hybrid Computational Intelligence Methods for Landslide Susceptibility Mapping. <i>Symmetry</i> , 2020, 12, 325.	2.2	56
141	Evaluation efficiency of hybrid deep learning algorithms with neural network decision tree and boosting methods for predicting groundwater potential. <i>Geocarto International</i> , 2022, 37, 5564-5584.	3.5	54
142	Using machine learning algorithms to map the groundwater recharge potential zones. <i>Journal of Environmental Management</i> , 2020, 265, 110525.	7.8	52
143	Remote Sensing Data Derived Parameters and its Use in Landslide Susceptibility Assessment Using Shannon's Entropy and GIS. <i>Applied Mechanics and Materials</i> , 0, 225, 486-491.	0.2	51
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