Seyed Vahid Razavi-Termeh

List of Publications by Year
in descending order

189 papers	17,472 citations	13098 68 h-index	15265 126 g-index
193 all docs	193 docs citations	193 times ranked	6699 citing authors

#	Article	IF	Citations
1	Spatial modelling of accidents risk caused by driver drowsiness with data mining algorithms. Geocarto International, 2022, 37, 2698-2716.	3.5	14
2	Coronavirus disease vulnerability map using a geographic information system (GIS) from 16 April to 16 May 2020. Physics and Chemistry of the Earth, 2022, 126, 103043.	2.9	8
3	Comparison of statistical and machine learning approaches in land subsidence modelling. Geocarto International, 2022, 37, 6165-6185.	3.5	5
4	Application of machine learning algorithms in hydrology. , 2022, , 585-591.		18
5	Predicting areas affected by forest fire based on a machine learning algorithm. , 2022, , 351-362.		3
6	A novel hybrid of support vector regression and metaheuristic algorithms for groundwater spring potential mapping. Science of the Total Environment, 2022, 807, 151055.	8.0	16
7	Investigation of water quality and its spatial distribution in the Kor River basin, Fars province, Iran. Environmental Research, 2022, 204, 112294.	7.5	18
8	Spatial modeling of land subsidence using machine learning models and statistical methods. Environmental Science and Pollution Research, 2022, 29, 28866-28883.	5.3	17
9	A spatially based machine learning algorithm for potential mapping of the hearing senses in an urban environment. Sustainable Cities and Society, 2022, 80, 103675.	10.4	11
10	Identification of morphometric features of alluvial fan and basins in predicting the erosion levels using ANN. Environmental Earth Sciences, 2022, 81, 1.	2.7	4
11	Multi-hazard spatial modeling via ensembles of machine learning and meta-heuristic techniques. Scientific Reports, 2022, 12, 1451.	3.3	19
12	A multi-criteria GIS-based model for wind farm site selection with the least impact on environmental pollution using the OWA-ANP method. Environmental Science and Pollution Research, 2022, 29, 43891-43912.	5.3	14
13	The topographic threshold of gully erosion and contributing factors. Natural Hazards, 2022, 112, 2013-2035.	3.4	4
14	Digital soil mapping and modeling in Loessâ€derived soils of Iranian Loess Plateau. Geocarto International, 2022, 37, 11633-11651.	3.5	7
15	Spatio-temporal modelling of asthma-prone areas using a machine learning optimized with metaheuristic algorithms. Geocarto International, 2022, 37, 9917-9942.	3.5	6
16	Investigating geometrical characteristics of collapsed pipes and the changing role of driving factors. Journal of Environmental Management, 2022, 312, 114910.	7.8	2
17	Aquifer vulnerability identification using DRASTIC-LU model modification by fuzzy analytic hierarchy process. Modeling Earth Systems and Environment, 2022, 8, 5365-5380.	3.4	14
18	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

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19	Assessment of groundwater vulnerability in an urban area: a comparative study based on DRASTIC, EBF, and LR models. Environmental Science and Pollution Research, 2022, 29, 72908-72928.	5.3	5
20	Integration of machine learning algorithms and GIS-based approaches to cutaneous leishmaniasis prevalence risk mapping. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102854.	1.9	3
21	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
22	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
23	Factors affecting methane emissions in OPEC member countries: does the agricultural production matter?. Environment, Development and Sustainability, 2021, 23, 6734-6748.	5.0	17
24	Assessment of land degradation using machineâ€learning techniques: A case of declining rangelands. Land Degradation and Development, 2021, 32, 1452-1466.	3.9	33
25	Ecological risk potential assessment of heavy metal contaminated soils in Ophiolitic formations. Environmental Research, 2021, 192, 110305.	7.5	23
26	A linear/non-linear hybrid time-series model to investigate the depletion of inland water bodies. Environment, Development and Sustainability, 2021, 23, 10727-10742.	5.0	2
27	Spatial modeling of susceptibility to subsidence using machine learning techniques. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1689.	4.0	18
28	Asthma-prone areas modeling using a machine learning model. Scientific Reports, 2021, 11, 1912.	3.3	34
29	RUSLE model coupled with RS-GIS for soil erosion evaluation compared with T value in Southwest Iran. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	20
30	Groundwater recharge potential zonation using an ensemble of machine learning and bivariate statistical models. Scientific Reports, 2021, 11, 5587.	3.3	47
31	Spatial and temporal analysis of urban heat island using Landsat satellite images. Environmental Science and Pollution Research, 2021, 28, 41439-41450.	5.3	21
32	Field Monitoring-Based and Theoretical Analysis of Baota Mountain Landslide Stability. Advances in Civil Engineering, 2021, 2021, 1-16.	0.7	1
33	Land Subsidence Susceptibility Mapping Using Persistent Scatterer SAR Interferometry Technique and Optimized Hybrid Machine Learning Algorithms. Remote Sensing, 2021, 13, 1326.	4.0	40
34	Evaluation of multi-hazard map produced using MaxEnt machine learning technique. Scientific Reports, 2021, 11, 6496.	3.3	63
35	Morphometry of AFs in upstream and downstream of floods in Gribayegan, Iran. Natural Hazards, 2021, 108, 425-450.	3.4	5
36	Prioritization of water erosionâ€"prone sub-watersheds using three ensemble methods in Qareaghaj catchment, southern Iran. Environmental Science and Pollution Research, 2021, 28, 37894-37917.	5.3	14

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37	Investigation of plant contamination to Ni, Pb, Zn, and Cd and its relationship with spectral reflections. Environmental Science and Pollution Research, 2021, 28, 37830-37842.	5.3	1
38	Fire-susceptibility mapping in the natural areas of Iran using new and ensemble data-mining models. Environmental Science and Pollution Research, 2021, 28, 47395-47406.	5.3	18
39	Landslide susceptibility assessment and mapping using state-of-the art machine learning techniques. Natural Hazards, 2021, 108, 1291-1316.	3.4	27
40	Social networks` analysis of rural stakeholders in watershed management. Environment, Development and Sustainability, 2021, 23, 17535-17557.	5.0	6
41	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
42	A comparative study between dynamic and soft computing models for sediment forecasting. Soft Computing, 2021, 25, 11005-11017.	3.6	11
43	Geohazards Susceptibility Assessment along the Upper Indus Basin Using Four Machine Learning and Statistical Models. ISPRS International Journal of Geo-Information, 2021, 10, 315.	2.9	20
44	Wildland Fire Susceptibility Mapping Using Support Vector Regression and Adaptive Neuro-Fuzzy Inference System-Based Whale Optimization Algorithm and Simulated Annealing. ISPRS International Journal of Geo-Information, 2021, 10, 382.	2.9	24
45	A multi-hazard map-based flooding, gully erosion, forest fires, and earthquakes in Iran. Scientific Reports, 2021, 11, 14889.	3.3	30
46	Determining the geographical model and environmental resilience patterns in Iranian provinces. Environmental Monitoring and Assessment, 2021, 193, 524.	2.7	2
47	Determining and forecasting drought susceptibility in southwestern Iran using multi-criteria decision-making (MCDM) coupled with CA-Markov model. Science of the Total Environment, 2021, 781, 146703.	8.0	55
48	Spatial Modeling of Asthma-Prone Areas Using Remote Sensing and Ensemble Machine Learning Algorithms. Remote Sensing, 2021, 13, 3222.	4.0	14
49	COVID-19 Risk Mapping with Considering Socio-Economic Criteria Using Machine Learning Algorithms. International Journal of Environmental Research and Public Health, 2021, 18, 9657.	2.6	17
50	Evaluation of Tree-Based Machine Learning Algorithms for Accident Risk Mapping Caused by Driver Lack of Alertness at a National Scale. Sustainability, 2021, 13, 10239.	3.2	18
51	Effects of air pollution in Spatio-temporal modeling of asthma-prone areas using a machine learning model. Environmental Research, 2021, 200, 111344.	7.5	27
52	Integrating Landslide Typology with Weighted Frequency Ratio Model for Landslide Susceptibility Mapping: A Case Study from Lanzhou City of Northwestern China. Remote Sensing, 2021, 13, 3623.	4.0	37
53	Application of Granger-causality to study the climate change impacts on depletion patterns of inland water bodies. Hydrological Sciences Journal, 2021, 66, 1767-1776.	2.6	5
54	Application of stacking hybrid machine learning algorithms in delineating multi-type flooding in Bangladesh. Journal of Environmental Management, 2021, 295, 113086.	7.8	51

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55	Spatio-temporal modeling of PM2.5 risk mapping using three machine learning algorithms. Environmental Pollution, 2021, 289, 117859.	7.5	45
56	Assessment of Urban Infrastructures Exposed to Flood Using Susceptibility Map and Google Earth Engine. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1923-1937.	4.9	19
57	Mapping of landslide susceptibility using the combination of neuro-fuzzy inference system (ANFIS), ant colony (ANFIS-ACOR), and differential evolution (ANFIS-DE) models. Bulletin of Engineering Geology and the Environment, 2021, 80, 2045-2067.	3.5	31
58	Modeling and Prediction of Habitat Suitability for Ferula gummosa Medicinal Plant in a Mountainous Area. Natural Resources Research, 2021, 30, 4861-4884.	4.7	9
59	Habitat potential modelling and mapping of Teucrium polium using machine learning techniques. Environmental Monitoring and Assessment, 2021, 193, 759.	2.7	8
60	Soil erosion assessment using RUSLE model and its validation by FR probability model. Geocarto International, 2020, 35, 1750-1768.	3.5	51
61	The potential of straw mulch as a natureâ€based solution for soil erosion in olive plantation treated with glyphosate: A biophysical and socioeconomic assessment. Land Degradation and Development, 2020, 31, 1877-1889.	3.9	44
62	Landslide susceptibility mapping using maximum entropy and support vector machine models along the highway corridor, Garhwal Himalaya. Geocarto International, 2020, 35, 168-187.	3.5	70
63	Is multi-hazard mapping effective in assessing natural hazards and integrated watershed management?. Geoscience Frontiers, 2020, 11, 1203-1217.	8.4	67
64	An assessment of metaheuristic approaches for flood assessment. Journal of Hydrology, 2020, 582, 124536.	5.4	50
65	Land-subsidence susceptibility zonation using remote sensing, GIS, and probability models in a Google Earth Engine platform. Environmental Earth Sciences, 2020, 79, 1.	2.7	16
66	Improving groundwater potential mapping using metaheuristic approaches. Hydrological Sciences Journal, 2020, 65, 2729-2749.	2.6	31
67	A machine learning framework for multi-hazards modeling and mapping in a mountainous area. Scientific Reports, 2020, 10, 12144.	3.3	66
68	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
69	Predicting non-carcinogenic hazard quotients of heavy metals in pepper (Capsicum annum L.) utilizing electromagnetic waves. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	6.0	8
70	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
71	Assessment of the outbreak risk, mapping and infection behavior of COVID-19: Application of the autoregressive integrated-moving average (ARIMA) and polynomial models. PLoS ONE, 2020, 15, e0236238.	2.5	29
72	Assessing the susceptibility of schools to flood events in Iran. Scientific Reports, 2020, 10, 18114.	3.3	17

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73	Using Dempsterâ€"Shafer theory to model earthquake events. Natural Hazards, 2020, 103, 1943-1959.	3.4	3
74	A comparison of machine learning models for the mapping of groundwater spring potential. Environmental Earth Sciences, 2020, 79, 1.	2.7	29
75	Ubiquitous GIS-Based Forest Fire Susceptibility Mapping Using Artificial Intelligence Methods. Remote Sensing, 2020, 12, 1689.	4.0	46
76	Gully erosion susceptibility mapping using artificial intelligence and statistical models. Geomatics, Natural Hazards and Risk, 2020, 11, 821-844.	4.3	40
77	Assessing, mapping, and optimizing the locations of sediment control check dams construction. Science of the Total Environment, 2020, 739, 139954.	8.0	20
78	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
79	Soil loss tolerance in calcareous soils of a semiarid region: evaluation, prediction, and influential parameters. Land Degradation and Development, 2020, 31, 2156-2167.	3.9	29
80	A comparative study on machine learning modeling for mass movement susceptibility mapping (a case) Tj ETQq0 0 0 rgBT /Overlock 10	3.5	24
81	Morphometric attributes-based soil erosion susceptibility mapping in Dnyanganga watershed of India using individual and ensemble models. Environmental Earth Sciences, 2020, 79, 1.	2.7	17
82	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
83	Assessing and mapping multi-hazard risk susceptibility using a machine learning technique. Scientific Reports, 2020, 10, 3203.	3.3	126
84	Application of learning vector quantization and different machine learning techniques to assessing forest fire influence factors and spatial modelling. Environmental Research, 2020, 184, 109321.	7.5	72
85	Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. Sensors, 2020, 20, 335.	3.8	33
86	Prediction of drainage morphometry using a genetic landscape evolution algorithm. Geocarto International, 2020, , 1-14.	3.5	2
87	Using machine learning algorithms to map the groundwater recharge potential zones. Journal of Environmental Management, 2020, 265, 110525.	7.8	52
88	Title is missing!. , 2020, 15, e0236238.		0
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91	Title is missing!. , 2020, 15, e0236238.		0
92	Land subsidence susceptibility assessment using random forest machine learning algorithm. Environmental Earth Sciences, 2019, 78, 1.	2.7	80
93	Groundwater Potential Mapping Using an Integrated Ensemble of Three Bivariate Statistical Models with Random Forest and Logistic Model Tree Models. Water (Switzerland), 2019, 11, 1596.	2.7	55
94	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
95	Multi-hazard probability assessment and mapping in Iran. Science of the Total Environment, 2019, 692, 556-571.	8.0	119
96	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
97	Maxent Data Mining Technique and Its Comparison with a Bivariate Statistical Model for Predicting the Potential Distribution of Astragalus Fasciculifolius Boiss. in Fars, Iran. Sustainability, 2019, 11, 3452.	3.2	32
98	Comparison analytic network and analytical hierarchical process approaches with feature selection algorithm to predict groundwater quality. Environmental Earth Sciences, 2019, 78, 1.	2.7	5
99	Identification of soil erosion-susceptible areas using fuzzy logic and analytical hierarchy process modeling in an agricultural watershed of Burdwan district, India. Environmental Earth Sciences, 2019, 78, 1.	2.7	75
100	A Comparative Assessment of Random Forest and k-Nearest Neighbor Classifiers for Gully Erosion Susceptibility Mapping. Water (Switzerland), 2019, 11, 2076.	2.7	75
101	SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. Applied Sciences (Switzerland), 2019, 9, 3495.	2.5	42
102	Assessment of land subsidence susceptibility in Semnan plain (Iran): a comparison of support vector machine and weights of evidence data mining algorithms. Natural Hazards, 2019, 99, 951-971.	3.4	49
103	Predicting Habitat Suitability and Conserving Juniperus spp. Habitat Using SVM and Maximum Entropy Machine Learning Techniques. Water (Switzerland), 2019, 11, 2049.	2.7	31
104	Testing a New Ensemble Model Based on SVM and Random Forest in Forest Fire Susceptibility Assessment and Its Mapping in Serbiaâ€™s Tara National Park. Forests, 2019, 10, 408.	2.1	124
105	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
106	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
107	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
108	PMT: New analytical framework for automated evaluation of geo-environmental modelling approaches. Science of the Total Environment, 2019, 664, 296-311.	8.0	84

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109	Assessing the performance of GIS- based machine learning models with different accuracy measures for determining susceptibility to gully erosion. Science of the Total Environment, 2019, 664, 1117-1132.	8.0	137
110	Habitat Suitability Mapping of Artemisia aucheri Boiss Based on the GLM Model in R. , 2019, , 213-227.		8
111	Prioritization of Effective Factors on Zataria multiflora Habitat Suitability and its Spatial Modeling. , 2019, , 411-427.		6
112	Spatial Modeling of Gully Erosion. , 2019, , 653-669.		19
113	Producing a Spatially Focused Landslide Susceptibility Map Using an Ensemble of Shannonâ€™s Entropy and Fractal Dimension (Case Study: Ziarat Watershed, Iran). , 2019, , 689-732.		3
114	Gully Erosion Susceptibility Mapping Using Multivariate Adaptive Regression Splinesâ€"Replications and Sample Size Scenarios. Water (Switzerland), 2019, 11, 2319.	2.7	25
115	How do data-mining models consider arsenic contamination in sediments and variables importance?. Environmental Monitoring and Assessment, 2019, 191, 777.	2.7	10
116	Landslide Susceptibility Mapping Using GIS-Based Data Mining Algorithms. Water (Switzerland), 2019, 11, 2292.	2.7	40
117	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
118	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
119	Effects of urbanization on river morphology of the Talar River, Mazandarn Province, Iran. Geocarto International, 2019, 34, 276-292.	3.5	29
120	Soil organic carbon mapping using remote sensing techniques and multivariate regression model. Geocarto International, 2019, 34, 215-226.	3.5	58
121	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
122	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
123	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
124	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
125	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
126	Modeling and assessing the effects of land use changes on runoff generation with the CLUE-s and WetSpa models. Theoretical and Applied Climatology, 2018, 133, 459-471.	2.8	28

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127	Spatial assessment of groundwater quality using water quality index and hydrochemical indices in the Kodavanar sub-basin, Tamil Nadu, India. Sustainable Water Resources Management, 2018, 4, 627-641.	2.1	34
128	Assessment of floodplain landuse and channel morphology within meandering reach of the Talar River in Iran using GIS and aerial photographs. Geocarto International, 2018, 33, 1367-1380.	3.5	12
129	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
130	Erodibility prioritization of sub-watersheds using morphometric parameters analysis and its mapping: A comparison among TOPSIS, VIKOR, SAW, and CF multi-criteria decision making models. Science of the Total Environment, 2018, 613-614, 1385-1400.	8.0	142
131	Spatial modelling of gully erosion in Mazandaran Province, northern Iran. Catena, 2018, 161, 1-13.	5.0	155
132	Identification of erosion-prone areas using different multi-criteria decision-making techniques and GIS. Geomatics, Natural Hazards and Risk, 2018, 9, 1129-1155.	4.3	74
133	A novel hybrid bivariate statistical method entitled FROC for landslide susceptibility assessment. Environmental Earth Sciences, 2018, 77, 1.	2.7	8
134	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
135	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
136	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
137	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
138	Landslide susceptibility assessment in the Anfu County, China: comparing different statistical and probabilistic models considering the new topo-hydrological factor (HAND). Earth Science Informatics, 2018, 11, 605-622.	3.2	21
139	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
140	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
141	Identification of Critical Flood Prone Areas in Data-Scarce and Ungauged Regions: A Comparison of Three Data Mining Models. Water Resources Management, 2017, 31, 1473-1487.	3.9	134
142	Interplay between river dynamics and international borders: The Hirmand River between Iran and Afghanistan. Science of the Total Environment, 2017, 586, 492-501.	8.0	17
143	Spatial Mapping of Groundwater Potential Using Entropy Weighted Linear Aggregate Novel Approach and GIS. Arabian Journal for Science and Engineering, 2017, 42, 1185-1199.	3.0	27
144	Performance evaluation of GIS-based new ensemble data mining techniques of adaptive neuro-fuzzy inference system (ANFIS) with genetic algorithm (GA), differential evolution (DE), and particle swarm optimization (PSO) for landslide spatial modelling. Catena, 2017, 157, 310-324.	5.0	267

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145	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
146	Evaluation of different machine learning models for predicting and mapping the susceptibility of gully erosion. Geomorphology, 2017, 298, 118-137.	2.6	195
147	Spatial prediction of landslide susceptibility using an adaptive neuro-fuzzy inference system combined with frequency ratio, generalized additive model, and support vector machine techniques. Geomorphology, 2017, 297, 69-85.	2.6	215
148	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
149	GIS-based bivariate statistical techniques for groundwater potential analysis (an example of Iran). Journal of Earth System Science, 2017, 126, 1.	1.3	25
150	Landslide spatial modeling: Introducing new ensembles of ANN, MaxEnt, and SVM machine learning techniques. Geoderma, 2017, 305, 314-327.	5.1	280
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	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
157	A comparative assessment of prediction capabilities of modified analytical hierarchy process (M-AHP) and Mamdani fuzzy logic models using Netcad-GIS for forest fire susceptibility mapping. Geomatics, Natural Hazards and Risk, 2016, 7, 861-885.	4.3	127
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	Fractal analysis of rainfall-induced landslide and debris flow spread distribution in the Chenyulan Creek Basin, Taiwan. Journal of Earth Science (Wuhan, China), 2016, 27, 151-159.	3.2	13
161	Gully erosion susceptibility mapping: the role of GIS-based bivariate statistical models and their comparison. Natural Hazards, 2016, 82, 1231-1258.	3.4	189
162	GIS-based landslide spatial modeling in Ganzhou City, China. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	123

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163	Assessment and comparison of combined bivariate and AHP models with logistic regression for landslide susceptibility mapping in the Chaharmahal-e-Bakhtiari Province, Iran. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	45
164	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
165	Investigation of general indicators influencing on forest fire and its susceptibility modeling using different data mining techniques. Ecological Indicators, 2016, 64, 72-84.	6.3	178
166	Application of GIS-based data driven random forest and maximum entropy models for groundwater potential mapping: A case study at Mehran Region, Iran. Catena, 2016, 137, 360-372.	5.0	408
167	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. Landslides, 2016, 13, 839-856.	5.4	530
168	Assessment of a spatial multi-criteria evaluation to site selection underground dams in the Alborz Province, Iran. Geocarto International, 2016, 31, 628-646.	3.5	43
169	Flood susceptibility mapping using frequency ratio and weights-of-evidence models in the Golastan Province, Iran. Geocarto International, 2016, 31, 42-70.	3.5	376
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