Hamid Reza Pourghasemi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8295659/publications.pdf

Version: 2024-02-01

243	21,011	8755	12940
papers	citations	77 h-index	136 g-index

256	256	256	8190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of statistical and machine learning approaches in land subsidence modelling. Geocarto International, 2022, 37, 6165-6185.	1.7	5
2	Predictive habitat suitability models for Teucrium polium L. using boosted regression trees. , 2022, , 245-254.		2
3	Application of machine learning algorithms in hydrology. , 2022, , 585-591.		18
4	Badland erosion mapping and effective factors on its occurrence using random forest model. , 2022, , 577-583.		3
5	Multihazard risk analysis and governance across a provincial capital in northern Iran. , 2022, , 655-673.		0
6	COVID-19: An analysis on official reports in Iran and the world along with some comparisons to other hazards. , 2022, , 635-654.		0
7	Pest-infected oak trees identify using remote sensing-based classification algorithms. , 2022, , 363-376.		3
8	Predicting areas affected by forest fire based on a machine learning algorithm. , 2022, , 351-362.		3
9	Digital soil mapping of soil bulk density in loess derived-soils with complex topography. , 2022, , 593-599.		1
10	Digital soil mapping of organic carbon at two depths in loess hilly region of Northern Iran. , 2022, , 467-475.		2
11	Identification of land subsidence prone areas and their mapping using machine learning algorithms. , 2022, , 535-545.		2
12	A novel hybrid of support vector regression and metaheuristic algorithms for groundwater spring potential mapping. Science of the Total Environment, 2022, 807, 151055.	3.9	16
13	Investigation of water quality and its spatial distribution in the Kor River basin, Fars province, Iran. Environmental Research, 2022, 204, 112294.	3.7	18
14	Spatial modeling of land subsidence using machine learning models and statistical methods. Environmental Science and Pollution Research, 2022, 29, 28866-28883.	2.7	17
15	Spatial mapping Zataria multiflora using different machine-learning algorithms. Catena, 2022, 212, 106007.	2.2	6
16	Provision of eucalyptus wood farming potential map in Iran: An application of land cover, ecological, climatic, hydrologic, and edaphic analysis in a GIS-based fuzzy AHP framework. Ecological Indicators, 2022, 136, 108621.	2.6	3
17	The topographic threshold of gully erosion and contributing factors. Natural Hazards, 2022, 112, 2013-2035.	1.6	4
18	Digital soil mapping and modeling in Loessâ€derived soils of Iranian Loess Plateau. Geocarto International, 2022, 37, 11633-11651.	1.7	7

#	Article	IF	Citations
19	Investigating geometrical characteristics of collapsed pipes and the changing role of driving factors. Journal of Environmental Management, 2022, 312, 114910.	3.8	2
20	Advanced machine learning algorithms for flood susceptibility modeling â€" performance comparison: Red Sea, Egypt. Environmental Science and Pollution Research, 2022, 29, 66768-66792.	2.7	8
21	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.	2.7	5
22	Assessing and mapping distribution, area, and density of riparian forests in southern Iran using Sentinel-2A, Google earth, and field data. Environmental Science and Pollution Research, 2022, 29, 79605-79617.	2.7	1
23	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.	4.3	206
24	Location-allocation modeling for emergency evacuation planning with GIS and remote sensing: A case study of Northeast Bangladesh. Geoscience Frontiers, 2021, 12, 101095.	4.3	49
25	Factors affecting methane emissions in OPEC member countries: does the agricultural production matter?. Environment, Development and Sustainability, 2021, 23, 6734-6748.	2.7	17
26	Assessment of land degradation using machineâ€learning techniques: A case of declining rangelands. Land Degradation and Development, 2021, 32, 1452-1466.	1.8	33
27	Ecological risk potential assessment of heavy metal contaminated soils in Ophiolitic formations. Environmental Research, 2021, 192, 110305.	3.7	23
28	A linear/non-linear hybrid time-series model to investigate the depletion of inland water bodies. Environment, Development and Sustainability, 2021, 23, 10727-10742.	2.7	2
29	Geomorphological change detection of an urban meander loop caused by an extreme flood using remote sensing and bathymetry measurements (a case study of Karoon River, Iran). Journal of Hydrology, 2021, 597, 125712.	2.3	9
30	Spatial modeling of susceptibility to subsidence using machine learning techniques. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1689.	1.9	18
31	RUSLE model coupled with RS-GIS for soil erosion evaluation compared with T value in Southwest Iran. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	20
32	Forest fire spatial modelling using ordered weighted averaging multi-criteria evaluation. Journal of Forest Science, 2021, 67, 87-100.	0.5	14
33	Groundwater recharge potential zonation using an ensemble of machine learning and bivariate statistical models. Scientific Reports, 2021, 11, 5587.	1.6	47
34	Spatial and temporal analysis of urban heat island using Landsat satellite images. Environmental Science and Pollution Research, 2021, 28, 41439-41450.	2.7	21
35	Field Monitoring-Based and Theoretical Analysis of Baota Mountain Landslide Stability. Advances in Civil Engineering, 2021, 2021, 1-16.	0.4	1
36	Evaluation of multi-hazard map produced using MaxEnt machine learning technique. Scientific Reports, 2021, 11, 6496.	1.6	63

#	Article	IF	Citations
37	Morphometry of AFs in upstream and downstream of floods in Gribayegan, Iran. Natural Hazards, 2021, 108, 425-450.	1.6	5
38	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.	2.7	14
39	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.	2.7	1
40	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.	2.7	18
41	Landslide susceptibility assessment and mapping using state-of-the art machine learning techniques. Natural Hazards, 2021, 108, 1291-1316.	1.6	27
42	Social networks` analysis of rural stakeholders in watershed management. Environment, Development and Sustainability, 2021, 23, 17535-17557.	2.7	6
43	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.	1.3	27
44	A comparative study between dynamic and soft computing models for sediment forecasting. Soft Computing, 2021, 25, 11005-11017.	2.1	11
45	Geohazards Susceptibility Assessment along the Upper Indus Basin Using Four Machine Learning and Statistical Models. ISPRS International Journal of Geo-Information, 2021, 10, 315.	1.4	20
46	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.	1.4	24
47	A multi-hazard map-based flooding, gully erosion, forest fires, and earthquakes in Iran. Scientific Reports, 2021, 11, 14889.	1.6	30
48	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.	3.9	55
49	Development of flood hazard map and emergency relief operation system using hydrodynamic modeling and machine learning algorithm. Journal of Cleaner Production, 2021, 311, 127594.	4.6	37
50	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.	1.8	37
51	Application of Granger-causality to study the climate change impacts on depletion patterns of inland water bodies. Hydrological Sciences Journal, 2021, 66, 1767-1776.	1.2	5
52	Application of stacking hybrid machine learning algorithms in delineating multi-type flooding in Bangladesh. Journal of Environmental Management, 2021, 295, 113086.	3.8	51
53	Change detection in piping, gully head forms, and mechanisms. Catena, 2021, 206, 105550.	2.2	12
54	A comparative assessment of gully erosion spatial predictive modeling using statistical and machine learning models. Catena, 2021, 207, 105679.	2.2	10

#	Article	IF	Citations
55	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.	2.3	19
56	Modeling and Prediction of Habitat Suitability for Ferula gummosa Medicinal Plant in a Mountainous Area. Natural Resources Research, 2021, 30, 4861-4884.	2.2	9
57	Habitat potential modelling and mapping of Teucrium polium using machine learning techniques. Environmental Monitoring and Assessment, 2021, 193, 759.	1.3	8
58	Soil erosion assessment using RUSLE model and its validation by FR probability model. Geocarto International, 2020, 35, 1750-1768.	1.7	51
59	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.	1.8	44
60	Landslide susceptibility mapping using maximum entropy and support vector machine models along the highway corridor, Garhwal Himalaya. Geocarto International, 2020, 35, 168-187.	1.7	70
61	How do machine learning techniques help in increasing accuracy of landslide susceptibility maps?. Geoscience Frontiers, 2020, 11, 871-883.	4.3	172
62	Optimizing collapsed pipes mapping: Effects of DEM spatial resolution. Catena, 2020, 187, 104344.	2.2	10
63	Investigating the effects of different landslide positioning techniques, landslide partitioning approaches, and presence-absence balances on landslide susceptibility mapping. Catena, 2020, 187, 104364.	2.2	92
64	Statistical functions used for spatial modelling due to assessment of landslide distribution and landscape-interaction factors in Iran. Geoscience Frontiers, 2020, 11, 1257-1269.	4.3	11
65	Is multi-hazard mapping effective in assessing natural hazards and integrated watershed management?. Geoscience Frontiers, 2020, 11, 1203-1217.	4.3	67
66	An assessment of metaheuristic approaches for flood assessment. Journal of Hydrology, 2020, 582, 124536.	2.3	50
67	Land-subsidence susceptibility zonation using remote sensing, GIS, and probability models in a Google Earth Engine platform. Environmental Earth Sciences, 2020, 79, 1.	1.3	16
68	A machine learning framework for multi-hazards modeling and mapping in a mountainous area. Scientific Reports, 2020, 10, 12144.	1.6	66
69	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.	1.6	29
70	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.	3.3	8
71	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.	2.7	26
72	The temporal and spatial relationships between climatic parameters and fire occurrence in northeastern Iran. Ecological Indicators, 2020, 118, 106720.	2.6	34

#	Article	IF	Citations
73	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.	1.1	29
74	Assessing the susceptibility of schools to flood events in Iran. Scientific Reports, 2020, 10, 18114.	1.6	17
75	Soil Science Challenges in a New Era: A Transdisciplinary Overview of Relevant Topics. Air, Soil and Water Research, 2020, 13, 117862212097749.	1.2	69
76	Using Dempsterâ€“Shafer theory to model earthquake events. Natural Hazards, 2020, 103, 1943-1959.	1.6	3
77	A comparison of machine learning models for the mapping of groundwater spring potential. Environmental Earth Sciences, 2020, 79, 1.	1.3	29
78	Spatial prediction of groundwater potential mapping based on convolutional neural network (CNN) and support vector regression (SVR). Journal of Hydrology, 2020, 588, 125033.	2.3	188
79	Assessing, mapping, and optimizing the locations of sediment control check dams construction. Science of the Total Environment, 2020, 739, 139954.	3.9	20
80	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.	3.9	113
81	A novel GIS-based ensemble technique for rangeland downward trend mapping as an ecological indicator change. Ecological Indicators, 2020, 117, 106591.	2.6	33
82	Soil loss tolerance in calcareous soils of a semiarid region: evaluation, prediction, and influential parameters. Land Degradation and Development, 2020, 31, 2156-2167.	1.8	29
83	Gully erosion spatial modelling: Role of machine learning algorithms in selection of the best controlling factors and modelling process. Geoscience Frontiers, 2020, 11, 2207-2219.	4.3	76
84	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.	1.4	33
85	A comparative study on machine learning modeling for mass movement susceptibility mapping (a case) Tj ETQq1 1 0.784314 rgBT /O	1.6	24
86	Morphometric attributes-based soil erosion susceptibility mapping in Dnyanganga watershed of India using individual and ensemble models. Environmental Earth Sciences, 2020, 79, 1.	1.3	17
87	Gully head modelling in Iranian Loess Plateau under different scenarios. Catena, 2020, 194, 104769.	2.2	13
88	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.	1.5	94
89	Groundwater spring potential assessment using new ensemble data mining techniques. Measurement: Journal of the International Measurement Confederation, 2020, 157, 107652.	2.5	32
90	Assessing and mapping multi-hazard risk susceptibility using a machine learning technique. Scientific Reports, 2020, 10, 3203.	1.6	126

#	Article	IF	Citations
91	Application of learning vector quantization and different machine learning techniques to assessing forest fire influence factors and spatial modelling. Environmental Research, 2020, 184, 109321.	3.7	72
92	Forest stand susceptibility mapping during harvesting using logistic regression and boosted regression tree machine learning models. Global Ecology and Conservation, 2020, 22, e00974.	1.0	14
93	Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. Sensors, 2020, 20, 335.	2.1	33
94	Prediction of drainage morphometry using a genetic landscape evolution algorithm. Geocarto International, 2020, , 1-14.	1.7	2
95	Using machine learning algorithms to map the groundwater recharge potential zones. Journal of Environmental Management, 2020, 265, 110525.	3.8	52
96	Effects of Grass on Runoff and Gully Bed Erosion: Concentrated Flow Experiment. Advances in Science, Technology and Innovation, 2020, , 221-233.	0.2	2
97	Factors Affecting Gully-Head Activity in a Hilly Area Under a Semiarid Climate in Iran. Advances in Science, Technology and Innovation, 2020, , 369-380.	0.2	1
98	A Review on the Gully Erosion and Land Degradation in Iran. Advances in Science, Technology and Innovation, 2020, , 393-403.	0.2	6
99	Mapping and Preparing a Susceptibility Map of Gully Erosion Using the MARS Model. Advances in Science, Technology and Innovation, 2020, , 405-413.	0.2	7
100	Gully Erosion Susceptibility Assessment Through the SVM Machine Learning Algorithm (SVM-MLA). Advances in Science, Technology and Innovation, 2020, , 415-425.	0.2	4
101	Data Mining Technique (Maximum Entropy Model) for Mapping Gully Erosion Susceptibility in the Gorganrood Watershed, Iran. Advances in Science, Technology and Innovation, 2020, , 427-448.	0.2	6
102	Gully Erosion Susceptibility Mapping Based on Bayesian Weight of Evidence. Advances in Science, Technology and Innovation, 2020, , 133-146.	0.2	14
103	Prediction of habitat suitability of Morina persica L. species using artificial intelligence techniques. Ecological Indicators, 2020, 112, 106096.	2.6	24
104	Role of Plant Roots to Control Rill-Gully Erosion: Hydraulic Flume Experiment. Advances in Science, Technology and Innovation, 2020, , 295-306.	0.2	0
105	Title is missing!. , 2020, 15, e0236238.		0
106	Title is missing!. , 2020, 15, e0236238.		0
107	Title is missing!. , 2020, 15, e0236238.		0
108	Title is missing!. , 2020, 15, e0236238.		0

#	Article	IF	Citations
109	Presentation of RFFR New Ensemble Model for Landslide Susceptibility Assessment in Iran. Advances in Natural and Technological Hazards Research, 2019, , 123-143.	1.1	10
110	Land subsidence susceptibility assessment using random forest machine learning algorithm. Environmental Earth Sciences, 2019, 78, 1.	1.3	80
111	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.	1.8	124
112	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.	2.2	39
113	Multi-hazard probability assessment and mapping in Iran. Science of the Total Environment, 2019, 692, 556-571.	3.9	119
114	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.	1.8	26
115	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.	1.6	32
116	Comparison analytic network and analytical hierarchical process approaches with feature selection algorithm to predict groundwater quality. Environmental Earth Sciences, 2019, 78, 1.	1.3	5
117	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.	1.3	75
118	A Comparative Assessment of Random Forest and k-Nearest Neighbor Classifiers for Gully Erosion Susceptibility Mapping. Water (Switzerland), 2019, 11, 2076.	1.2	75
119	SEVUCAS: A Novel GIS-Based Machine Learning Software for Seismic Vulnerability Assessment. Applied Sciences (Switzerland), 2019, 9, 3495.	1.3	42
120	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.	1.6	49
121	Predicting Habitat Suitability and Conserving Juniperus spp. Habitat Using SVM and Maximum Entropy Machine Learning Techniques. Water (Switzerland), 2019, 11, 2049.	1.2	31
122	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.	0.9	124
123	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.	3.9	36
124	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.	3.9	202
125	Spatial prediction of groundwater potentiality using ANFIS ensembled with teaching-learning-based and biogeography-based optimization. Journal of Hydrology, 2019, 572, 435-448.	2.3	150
126	Gully headcut susceptibility modeling using functional trees, naÃ¯ve Bayes tree, and random forest models. Geoderma, 2019, 342, 1-11.	2.3	79

#	Article	IF	Citations
127	PMT: New analytical framework for automated evaluation of geo-environmental modelling approaches. Science of the Total Environment, 2019, 664, 296-311.	3.9	84
128	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.	3.9	137
129	Land-Subsidence Spatial Modeling Using the Random Forest Data-Mining Technique. , 2019, , 147-159.		12
130	Habitat Suitability Mapping of Artemisia aucheri Boiss Based on the GLM Model in R. , 2019, , 213-227.		8
131	Artificial Neural Networks for Flood Susceptibility Mapping in Data-Scarce Urban Areas. , 2019, , 323-336.		70
132	Modeling the Spatial Variability of Forest Fire Susceptibility Using Geographical Information Systems and the Analytical Hierarchy Process. , 2019, , 337-369.		20
133	Prioritization of Flood Inundation of Maharloo Watershed in Iran Using Morphometric Parameters Analysis and TOPSIS MCDM Model. , 2019, , 371-390.		25
134	Prioritization of Effective Factors on Zataria multiflora Habitat Suitability and its Spatial Modeling. , 2019, , 411-427.		6
135	A Comparative Study of Functional Data Analysis and Generalized Linear Model Data-Mining Techniques for Landslide Spatial Modeling. , 2019, , 467-484.		6
136	Assessing the Vulnerability of Groundwater to Salinization Using GIS-Based Data-Mining Techniques in a Coastal Aquifer. , 2019, , 547-571.		12
137	Spatial Modeling of Gully Erosion. , 2019, , 653-669.		19
138	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
139	Spatial Modeling of Gully Erosion Using Linear and Quadratic Discriminant Analyses in GIS and R. , 2019, , 299-321.		32
140	Factors Influencing Regional-Scale Wildfire Probability in Iran. , 2019, , 607-619.		20
141	Gully Erosion Susceptibility Mapping Using Multivariate Adaptive Regression Splinesâ€"Replications and Sample Size Scenarios. Water (Switzerland), 2019, 11, 2319.	1.2	25
142	How do data-mining models consider arsenic contamination in sediments and variables importance?. Environmental Monitoring and Assessment, 2019, 191, 777.	1.3	10
143	Landslide Susceptibility Mapping Using GIS-Based Data Mining Algorithms. Water (Switzerland), 2019, 11, 2292.	1.2	40
144	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.	2.3	152

#	Article	IF	Citations
145	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.	1.1	58
146	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.	1.6	99
147	Gully Erosion Modeling Using GIS-Based Data Mining Techniques in Northern Iran: A Comparison Between Boosted Regression Tree and Multivariate Adaptive Regression Spline. Advances in Natural and Technological Hazards Research, 2019, , 1-26.	1.1	22
148	GIS-Based Landslide Susceptibility Evaluation Using Certainty Factor and Index of Entropy Ensembled with Alternating Decision Tree Models. Advances in Natural and Technological Hazards Research, 2019, , 225-251.	1.1	14
149	Assessment of the Contribution of Geo-environmental Factors to Flood Inundation in a Semi-arid Region of SW Iran: Comparison of Different Advanced Modeling Approaches. Advances in Natural and Technological Hazards Research, 2019, , 59-78.	1.1	9
150	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
151	Effects of urbanization on river morphology of the Talar River, Mazandarn Province, Iran. Geocarto International, 2019, 34, 276-292.	1.7	29
152	Soil organic carbon mapping using remote sensing techniques and multivariate regression model. Geocarto International, 2019, 34, 215-226.	1.7	58
153	Spatial Simulation and Land-subsidence Susceptibility Mapping Using Maximum Entropy Model. Journal of Watershed Management Research, 2019, 10, 133-144.	0.0	3
154	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.	1.9	116
155	Effects of an extreme flood on river morphology (case study: Karoon River, Iran). Geomorphology, 2018, 304, 30-39.	1.1	56
156	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.	0.6	166
157	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.	1.6	161
158	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.	1.3	127
159	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.	1.6	94
160	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.	1.3	28
161	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.	1.0	34
162	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.	1.7	12

#	Article	IF	Citations
163	Flood susceptibility mapping using novel ensembles of adaptive neuro fuzzy inference system and metaheuristic algorithms. Science of the Total Environment, 2018, 615, 438-451.	3.9	330
164	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.	3.9	142
165	Spatial modelling of gully erosion in Mazandaran Province, northern Iran. Catena, 2018, 161, 1-13.	2.2	155
166	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.	2.0	262
167	Prediction of the landslide susceptibility: Which algorithm, which precision?. Catena, 2018, 162, 177-192.	2.2	338
168	Identification of erosion-prone areas using different multi-criteria decision-making techniques and GIS. Geomatics, Natural Hazards and Risk, 2018, 9, 1129-1155.	2.0	74
169	A novel hybrid bivariate statistical method entitled FROC for landslide susceptibility assessment. Environmental Earth Sciences, 2018, 77, 1.	1.3	8
170	Assessment of Landslide-Prone Areas and Their Zonation Using Logistic Regression, LogitBoost, and NaÃ¯veBayes Machine-Learning Algorithms. Sustainability, 2018, 10, 3697.	1.6	82
171	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.	1.8	98
172	GIS-based gully erosion susceptibility mapping: a comparison among three data-driven models and AHP knowledge-based technique. Environmental Earth Sciences, 2018, 77, 1.	1.3	125
173	Effects of hydrological events on morphological evolution of a fluvial system. Journal of Hydrology, 2018, 563, 33-42.	2.3	18
174	Comparison of differences in resolution and sources of controlling factors for gully erosion susceptibility mapping. Geoderma, 2018, 330, 65-78.	2.3	111
175	Assessment of GIS-Based Machine Learning Algorithms for Spatial Modeling of Landslide Susceptibility: Case Study in Iran. , 2018, , 258-280.		6
176	Spatial Modelling of Gully Erosion Using GIS and R Programing: A Comparison among Three Data Mining Algorithms. Applied Sciences (Switzerland), 2018, 8, 1369.	1.3	103
177	Flood Inundation Susceptibility Mapping using Analytical Hierarchy Process (AHP) and TOPSIS Decision Making Methods and Weight of Evidence Statistical Model (Case Study: Jahrom Township, Fars) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	1
178	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.	1.7	143
179	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.	1.3	264
180	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.	1.9	134

#	Article	IF	Citations
181	Interplay between river dynamics and international borders: The Hirmand River between Iran and Afghanistan. Science of the Total Environment, 2017, 586, 492-501.	3.9	17
182	Spatial Mapping of Groundwater Potential Using Entropy Weighted Linear Aggregate Novel Approach and GIS. Arabian Journal for Science and Engineering, 2017, 42, 1185-1199.	1.7	27
183	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.	2.2	267
184	Modeling of sediment generation from forest roads employing SEDMODL and its calibration for Hyrcanian forests in northern Iran. Environmental Earth Sciences, 2017, 76, 1.	1.3	5
185	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.	0.6	91
186	Evaluation of different machine learning models for predicting and mapping the susceptibility of gully erosion. Geomorphology, 2017, 298, 118-137.	1.1	195
187	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.	1.1	215
188	Performance assessment of individual and ensemble data-mining techniques for gully erosion modeling. Science of the Total Environment, 2017, 609, 764-775.	3.9	258
189	GIS-based bivariate statistical techniques for groundwater potential analysis (an example of Iran). Journal of Earth System Science, 2017, 126, 1.	0.6	25
190	Landslide spatial modeling: Introducing new ensembles of ANN, MaxEnt, and SVM machine learning techniques. Geoderma, 2017, 305, 314-327.	2.3	280
191	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.	1.3	129
192	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.	3.9	152
193	Applying different scenarios for landslide spatial modeling using computational intelligence methods. Environmental Earth Sciences, 2017, 76, 1.	1.3	49
194	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.	1.6	333
195	GIS-based multivariate adaptive regression spline and random forest models for groundwater potential mapping in Iran. Environmental Earth Sciences, 2016, 75, 1.	1.3	149
196	Changes in morphometric meander parameters identified on the Karoon River, Iran, using remote sensing data. Geomorphology, 2016, 271, 55-64.	1.1	51
197	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.	1.3	202
198	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.	2.0	127

#	Article	IF	Citations
199	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.	0.5	99
200	Random forests and evidential belief function-based landslide susceptibility assessment in Western Mazandaran Province, Iran. Environmental Earth Sciences, 2016, 75, 1.	1.3	245
201	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.	1.1	330
202	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.	1.1	13
203	Gully erosion susceptibility mapping: the role of GIS-based bivariate statistical models and their comparison. Natural Hazards, 2016, 82, 1231-1258.	1.6	189
204	GIS-based landslide spatial modeling in Ganzhou City, China. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	123
205	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.	0.6	45
206	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.	1.3	489
207	Investigation of general indicators influencing on forest fire and its susceptibility modeling using different data mining techniques. Ecological Indicators, 2016, 64, 72-84.	2.6	178
208	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.	2.2	408
209	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.	2.7	530
210	Assessment of a spatial multi-criteria evaluation to site selection underground dams in the Alborz Province, Iran. Geocarto International, 2016, 31, 628-646.	1.7	43
211	Flood susceptibility mapping using frequency ratio and weights-of-evidence models in the Golastan Province, Iran. Geocarto International, 2016, 31, 42-70.	1.7	376
212	Landslide susceptibility maps using different probabilistic and bivariate statistical models and comparison of their performance at Wadi Itwad Basin, Asir Region, Saudi Arabia. Bulletin of Engineering Geology and the Environment, 2016, 75, 63-87.	1.6	68
213	Landslide susceptibility assessment at Wadi Jawrah Basin, Jizan region, Saudi Arabia using two bivariate models in GIS. Geosciences Journal, 2015, 19, 449-469.	0.6	58
214	Forest fire susceptibility mapping in the Minudasht forests, Golestan province, Iran. Environmental Earth Sciences, 2015, 73, 1515-1533.	1.3	101
215	An integrated artificial neural network model for the landslide susceptibility assessment of Osado Island, Japan. Natural Hazards, 2015, 78, 1749-1776.	1.6	182
216	Automatic detection of sinkhole collapses at finer resolutions using a multi-component remote sensing approach. Natural Hazards, 2015, 78, 1021-1044.	1.6	16

#	Article	IF	Citations
217	Application of analytical hierarchy process, frequency ratio, and certainty factor models for groundwater potential mapping using GIS. Earth Science Informatics, 2015, 8, 867-883.	1.6	389
218	Accuracy assessment of land cover/land use classifiers in dry and humid areas of Iran. Environmental Monitoring and Assessment, 2015, 187, 641.	1.3	30
219	A Comparative Assessment Between Three Machine Learning Models and Their Performance Comparison by Bivariate and Multivariate Statistical Methods in Groundwater Potential Mapping. Water Resources Management, 2015, 29, 5217-5236.	1.9	213
220	An index to describe the earthquake effect on subsequent landslides in Central Taiwan. Arabian Journal of Geosciences, 2015, 8, 3139-3147.	0.6	6
221	Groundwater spring potential mapping using bivariate statistical model and GIS in the Taleghan Watershed, Iran. Arabian Journal of Geosciences, 2015, 8, 913-929.	0.6	179
222	Groundwater qanat potential mapping using frequency ratio and Shannonâ€™s entropy models in the Moghan watershed, Iran. Earth Science Informatics, 2015, 8, 171-186.	1.6	259
223	Groundwater potential mapping at Kurdistan region of Iran using analytic hierarchy process and GIS. Arabian Journal of Geosciences, 2015, 8, 7059-7071.	0.6	417
224	Assessment of a data-driven evidential belief function model and GIS for groundwater potential mapping in the Koohrang Watershed, Iran. Geocarto International, 2015, 30, 662-685.	1.7	139
225	Volume, gravitational potential energy reduction, and regional centroid position change in the wake of landslides triggered by the 14 April 2010 Yushu earthquake of China. Arabian Journal of Geosciences, 2014, 7, 2129-2138.	0.6	12
226	Validating gap-filling of Landsat ETM+ satellite images in the Golestan Province, Iran. Arabian Journal of Geosciences, 2014, 7, 3633-3638.	0.6	15
227	Application of frequency ratio, statistical index, and weights-of-evidence models and their comparison in landslide susceptibility mapping in Central Nepal Himalaya. Arabian Journal of Geosciences, 2014, 7, 725-742.	0.6	366
228	GIS-based landslide susceptibility mapping with probabilistic likelihood ratio and spatial multi-criteria evaluation models (North of Tehran, Iran). Arabian Journal of Geosciences, 2014, 7, 1857-1878.	0.6	170
229	Assessment of fractal dimension and geometrical characteristics of the landslides identified in North of Tehran, Iran. Environmental Earth Sciences, 2014, 71, 3617-3626.	1.3	26
230	GIS-based groundwater spring potential assessment and mapping in the Birjand Township, southern Khorasan Province, Iran. Hydrogeology Journal, 2014, 22, 643-662.	0.9	240
231	GIS-based frequency ratio and index of entropy models for landslide susceptibility assessment in the Caspian forest, northern Iran. International Journal of Environmental Science and Technology, 2014, 11, 909-926.	1.8	321
232	Landslide susceptibility mapping along Bhalubang â€" Shiwapur area of mid-Western Nepal using frequency ratio and conditional probability models. Journal of Mountain Science, 2014, 11, 1266-1285.	0.8	91
233	The relationship between geology and rock weathering on the rock instability along Muglingâ€"Narayanghat road corridor, Central Nepal Himalaya. Natural Hazards, 2013, 66, 501-532.	1.6	29
234	Landslide susceptibility mapping by binary logistic regression, analytical hierarchy process, and statistical index models and assessment of their performances. Natural Hazards, 2013, 69, 749-779.	1.6	326

#	Article	IF	Citations
235	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. Arabian Journal of Geosciences, 2013, 6, 2873-2888.	0.6	315
236	Landslide susceptibility mapping using support vector machine and GIS at the Golestan Province, Iran. Journal of Earth System Science, 2013, 122, 349-369.	0.6	278
237	Application of weights-of-evidence and certainty factor models and their comparison in landslide susceptibility mapping at Haraz watershed, Iran. Arabian Journal of Geosciences, 2013, 6, 2351-2365.	0.6	261
238	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. Natural Hazards, 2013, 65, 135-165.	1.6	559
239	A comparative assessment of prediction capabilities of Dempsterâ€“Shafer and Weights-of-evidence models in landslide susceptibility mapping using GIS. Geomatics, Natural Hazards and Risk, 2013, 4, 93-118.	2.0	174
240	Application of fuzzy logic and analytical hierarchy process (AHP) to landslide susceptibility mapping at Haraz watershed, Iran. Natural Hazards, 2012, 63, 965-996.	1.6	758
241	Landslide susceptibility mapping at Golestan Province, Iran: A comparison between frequency ratio, Dempsterâ€“Shafer, and weights-of-evidence models. Journal of Asian Earth Sciences, 2012, 61, 221-236.	1.0	378
242	Landslide susceptibility mapping using index of entropy and conditional probability models in GIS: Safarood Basin, Iran. Catena, 2012, 97, 71-84.	2.2	400
243	Remote Sensing Data Derived Parameters and its Use in Landslide Susceptibility Assessment Using Shannonâ€™s Entropy and GIS. Applied Mechanics and Materials, 0, 225, 486-491.	0.2	51