John P Tiefenbacher

List of Publications by Year
in descending order

183 papers	16,487 citations	12322 69 h-index	16636 123 g-index
187 all docs	187 docs citations	187 times ranked	6723 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	Landslide susceptibility mapping using index of entropy and conditional probability models in GIS: Safarood Basin, Iran. Catena, 2012, 97, 71-84.	2.2	400
6	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
7	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
8	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
9	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
10	Prediction of the landslide susceptibility: Which algorithm, which precision?. Catena, 2018, 162, 177-192.	2.2	338
11	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
12	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
13	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
14	Landslide spatial modeling: Introducing new ensembles of ANN, MaxEnt, and SVM machine learning techniques. Geoderma, 2017, 305, 314-327.	2.3	280
15	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
16	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
17	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
18	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

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19	Random forests and evidential belief function-based landslide susceptibility assessment in Western Mazandaran Province, Iran. Environmental Earth Sciences, 2016, 75, 1.	1.3	245
20	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
21	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
22	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
23	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
24	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
25	Improving prediction of water quality indices using novel hybrid machine-learning algorithms. Science of the Total Environment, 2020, 721, 137612.	3.9	202
26	Evaluation of different machine learning models for predicting and mapping the susceptibility of gully erosion. Geomorphology, 2017, 298, 118-137.	1.1	195
27	Gully erosion susceptibility mapping: the role of GIS-based bivariate statistical models and their comparison. Natural Hazards, 2016, 82, 1231-1258.	1.6	189
28	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
29	An integrated artificial neural network model for the landslide susceptibility assessment of Osado Island, Japan. Natural Hazards, 2015, 78, 1749-1776.	1.6	182
30	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
31	How do machine learning techniques help in increasing accuracy of landslide susceptibility maps?. Geoscience Frontiers, 2020, 11, 871-883.	4.3	172
32	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
33	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
34	Spatial modelling of gully erosion in Mazandaran Province, northern Iran. Catena, 2018, 161, 1-13.	2.2	155
35	Predicting uncertainty of machine learning models for modelling nitrate pollution of groundwater using quantile regression and UNEEC methods. Science of the Total Environment, 2019, 688, 855-866.	3.9	155
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	Assessing and mapping multi-hazard risk susceptibility using a machine learning technique. Scientific Reports, 2020, 10, 3203.	1.6	126
48	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
49	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
50	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
51	Multi-hazard probability assessment and mapping in Iran. Science of the Total Environment, 2019, 692, 556-571.	3.9	119
52	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
53	Comparison of differences in resolution and sources of controlling factors for gully erosion susceptibility mapping. Geoderma, 2018, 330, 65-78.	2.3	111
54	Improvement of Best First Decision Trees Using Bagging and Dagging Ensembles for Flood Probability Mapping. Water Resources Management, 2020, 34, 3037-3053.	1.9	107

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55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	PMT: New analytical framework for automated evaluation of geo-environmental modelling approaches. Science of the Total Environment, 2019, 664, 296-311.	3.9	84
63	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
64	The effect of sample size on different machine learning models for groundwater potential mapping in mountain bedrock aquifers. Catena, 2020, 187, 104421.	2.2	81
65	Land subsidence susceptibility assessment using random forest machine learning algorithm. Environmental Earth Sciences, 2019, 78, 1.	1.3	80
66	Gully headcut susceptibility modeling using functional trees, naÃ¯ve Bayes tree, and random forest models. Geoderma, 2019, 342, 1-11.	2.3	79
67	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
68	Mapping the spatial and temporal variability of flood hazard affected by climate and land-use changes in the future. Journal of Environmental Management, 2021, 298, 113551.	3.8	76
69	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
70	A Comparative Assessment of Random Forest and k-Nearest Neighbor Classifiers for Gully Erosion Susceptibility Mapping. Water (Switzerland), 2019, 11, 2076.	1.2	75
71	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
72	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

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73	A novel ensemble computational intelligence approach for the spatial prediction of land subsidence susceptibility. Science of the Total Environment, 2020, 726, 138595.	3.9	71
74	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
75	Is multi-hazard mapping effective in assessing natural hazards and integrated watershed management?. Geoscience Frontiers, 2020, 11, 1203-1217.	4.3	67
76	A machine learning framework for multi-hazards modeling and mapping in a mountainous area. Scientific Reports, 2020, 10, 12144.	1.6	66
77	River Water Salinity Prediction Using Hybrid Machine Learning Models. Water (Switzerland), 2020, 12, 2951.	1.2	66
78	Urban flood modeling using deep-learning approaches in Seoul, South Korea. Journal of Hydrology, 2021, 601, 126684.	2.3	65
79	Novel Ensemble of MCDM-Artificial Intelligence Techniques for Groundwater-Potential Mapping in Arid and Semi-Arid Regions (Iran). Remote Sensing, 2020, 12, 490.	1.8	62
80	En-gendered fears: femininity and technological risk perception. Industrial Crisis Quarterly, 1992, 6, 5-22.	0.6	58
81	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
82	Morphometric Analysis for Soil Erosion Susceptibility Mapping Using Novel GIS-Based Ensemble Model. Remote Sensing, 2020, 12, 874.	1.8	58
83	A comparative study of environmental knowledge, attitudes and behaviors among university students in China. International Research in Geographical and Environmental Education, 2011, 20, 91-104.	0.8	57
84	Spatial Pattern Analysis and Prediction of Gully Erosion Using Novel Hybrid Model of Entropy-Weight of Evidence. Water (Switzerland), 2019, 11, 1129.	1.2	57
85	Access to healthcare and disparities in colorectal cancer survival in Texas. Health and Place, 2012, 18, 321-329.	1.5	53
86	Applying different scenarios for landslide spatial modeling using computational intelligence methods. Environmental Earth Sciences, 2017, 76, 1.	1.3	49
87	GIS-based spatial modeling of snow avalanches using four novel ensemble models. Science of the Total Environment, 2020, 745, 141008.	3.9	48
88	Attributes of repeat visitors to small tourist-oriented communities. Social Science Journal, 2000, 37, 299-308.	0.9	46
89	Spatial Modeling of Snow Avalanche Using Machine Learning Models and Geo-Environmental Factors: Comparison of Effectiveness in Two Mountain Regions. Remote Sensing, 2019, 11, 2995.	1.8	44
90	Landscape, development, technology and drivers: The geography of drownings associated with automobiles in Texas floods, 1950â€"2004. Applied Geography, 2009, 29, 224-234.	1.7	39

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91	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
92	Novel Ensemble Approaches of Machine Learning Techniques in Modeling the Gully Erosion Susceptibility. Remote Sensing, 2020, 12, 1890.	1.8	39
93	Hybridized neural fuzzy ensembles for dust source modeling and prediction. Atmospheric Environment, 2020, 224, 117320.	1.9	39
94	ENVIRONMENTAL EQUITY IN URBAN TEXAS: RACE, INCOME, AND PATTERNS OF ACUTE AND CHRONIC TOXIC AIR RELEASES IN METROPOLITAN COUNTIES. Urban Geography, 1999, 20, 516-533.	1.7	37
95	Using Optimized Deep Learning to Predict Daily Streamflow: A Comparison to Common Machine Learning Algorithms. Water Resources Management, 2022, 36, 699-716.	1.9	37
96	The barriers impeding precautionary behaviours by undocumented immigrants in emergencies: The Hurricane Ike experience in Houston, Texas, USA. Environmental Hazards, 2012, 11, 194-212.	1.4	36
97	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
98	Identifying sources of dust aerosol using a new framework based on remote sensing and modelling. Science of the Total Environment, 2020, 737, 139508.	3.9	35
99	Climate Change, Land Use/Land Cover Change, and Population Growth as Drivers of Groundwater Depletion in the Central Valleys, Oaxaca, Mexico. Remote Sensing, 2019, 11, 1290.	1.8	34
100	The temporal and spatial relationships between climatic parameters and fire occurrence in northeastern Iran. Ecological Indicators, 2020, 118, 106720.	2.6	34
101	A novel GIS-based ensemble technique for rangeland downward trend mapping as an ecological indicator change. Ecological Indicators, 2020, 117, 106591.	2.6	33
102	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
103	Evaluation of Recent Advanced Soft Computing Techniques for Gully Erosion Susceptibility Mapping: A Comparative Study. Sensors, 2020, 20, 335.	2.1	33
104	Assessment of land degradation using machineâ€learning techniques: A case of declining rangelands. Land Degradation and Development, 2021, 32, 1452-1466.	1.8	33
105	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
106	Spatial Modeling of Gully Erosion Using Linear and Quadratic Discriminant Analyses in GIS and R. , 2019, , 299-321.		32
107	Groundwater spring potential assessment using new ensemble data mining techniques. Measurement: Journal of the International Measurement Confederation, 2020, 157, 107652.	2.5	32
108	A methodological comparison of head-cut based gully erosion susceptibility models: Combined use of statistical and artificial intelligence. Geomorphology, 2020, 359, 107136.	1.1	32

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109	Gully Head-Cut Distribution Modeling Using Machine Learning Methodsâ€"A Case Study of N.W. Iran. Water (Switzerland), 2020, 12, 16.	1.2	30
110	Determination of flood probability and prioritization of sub-watersheds: A comparison of game theory to machine learning. Journal of Environmental Management, 2021, 295, 113040.	3.8	30
111	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
112	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
113	Capability and robustness of novel hybridized models used for drought hazard modeling in southeast Queensland, Australia. Science of the Total Environment, 2020, 718, 134656.	3.9	28
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	GIS-based bivariate statistical techniques for groundwater potential analysis (an example of Iran). Journal of Earth System Science, 2017, 126, 1.	0.6	25
116	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
117	Spatial and temporal analysis of urban heat island using Landsat satellite images. Environmental Science and Pollution Research, 2021, 28, 41439-41450.	2.7	21
118	Predicting landslide susceptibility based on decision tree machine learning models under climate and land use changes. Geocarto International, 2022, 37, 7881-7907.	1.7	21
119	La Frontera QuÃmica:Toxic emissions and spills along the U.S.â€Mexican Border. Journal of Borderlands Studies, 1998, 13, 57-77.	0.8	20
120	Assessing, mapping, and optimizing the locations of sediment control check dams construction. Science of the Total Environment, 2020, 739, 139954.	3.9	20
121	Optimization of statistical and machine learning hybrid models for groundwater potential mapping. Geocarto International, 2022, 37, 3877-3911.	1.7	19
122	Spatial modeling of susceptibility to subsidence using machine learning techniques. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1689.	1.9	18
123	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
124	Assessment of Ensemble Models for Groundwater Potential Modeling and Prediction in a Karst Watershed. Water (Switzerland), 2021, 13, 2540.	1.2	18
125	Application of machine learning algorithms in hydrology. , 2022, , 585-591.		18
126	Assessing the susceptibility of schools to flood events in Iran. Scientific Reports, 2020, 10, 18114.	1.6	17

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127	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
128	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
129	Development of a novel hybrid multi-boosting neural network model for spatial prediction of urban flood. Geocarto International, 2022, 37, 5716-5741.	1.7	16
130	CHEMICAL HAZARDS IN URBAN AMERICA. Urban Geography, 1991, 12, 417-430.	1.7	15
131	Evaluation of re-sampling methods on performance of machine learning models to predict landslide susceptibility. Geocarto International, 2022, 37, 2772-2794.	1.7	15
132	Spatial prediction of shallow landslide: application of novel rotational forest-based reduced error pruning tree. Geomatics, Natural Hazards and Risk, 2021, 12, 1343-1370.	2.0	15
133	Identification of the most suitable afforestation sites by Juniperus excels specie using machine learning models: Firuzkuh semi-arid region, Iran. Ecological Informatics, 2021, 65, 101427.	2.3	15
134	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
135	The impact of land use and land cover changes on soil erosion in western Iran. Natural Hazards, 2022, 110, 2185-2205.	1.6	14
136	Throwaway societies: a field survey of the quantity, nature and distribution of litter in New Jersey. Applied Geography, 1991, 11, 125-141.	1.7	13
137	Gully head modelling in Iranian Loess Plateau under different scenarios. Catena, 2020, 194, 104769.	2.2	13
138	Change detection in piping, gully head forms, and mechanisms. Catena, 2021, 206, 105550.	2.2	12
139	Evaluating the Effectiveness of Public Participation Efforts by Environmental Agencies: Repermitting a Smelter in El Paso, Texas, USA. Environment and Planning C: Urban Analytics and City Science, 2008, 26, 841-856.	1.5	10
140	How do data-mining models consider arsenic contamination in sediments and variables importance?. Environmental Monitoring and Assessment, 2019, 191, 777.	1.3	10
141	Optimizing collapsed pipes mapping: Effects of DEM spatial resolution. Catena, 2020, 187, 104344.	2.2	10
142	Assessment of Gini-, entropy- and ratio-based classification trees for groundwater potential modelling and prediction. Geocarto International, 2022, 37, 3397-3415.	1.7	10
143	Application of novel ensemble models and k-fold CV approaches for Land subsidence susceptibility modelling. Stochastic Environmental Research and Risk Assessment, 2022, 36, 201-223.	1.9	10
144	Catchment-scale soil conservation: Using climate, vegetation, and topo-hydrological parameters to support decision making and implementation. Science of the Total Environment, 2020, 712, 136124.	3.9	9

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145	Political and cultural contrasts in reporting about disasters: comparing United States and Chinese newspaper portrayals of bridge collapses. Geo Journal, 2008, 73, 133-147.	1.7	8
146	TET: An automated tool for evaluating suitable check-dam sites based on sediment trapping efficiency. Journal of Cleaner Production, 2020, 266, 122051.	4.6	8
147	An optimization on machine learning algorithms for mapping snow avalanche susceptibility. Natural Hazards, 2022, 111, 79-114.	1.6	8
148	Selecting potential locations for groundwater recharge by means of remote sensing and GIS and weighting based on Boolean logic and analytic hierarchy process. Environmental Earth Sciences, 2022, 81, 1.	1.3	8
149	Women, politics and place: Spatial patterns of representation in New Jersey. Geoforum, 1991, 22, 203-221.	1.4	7
150	Hurricane evacuation behavior in domestic and international college students: The influences of environmental familiarity, expressed hurricane evacuation, and personal experience. Journal of Emergency Management, 2007, 5, 61-69.	0.2	7
151	A Review on the Gully Erosion and Land Degradation in Iran. Advances in Science, Technology and Innovation, 2020, , 393-403.	0.2	6
152	Spatial mapping Zataria multiflora using different machine-learning algorithms. Catena, 2022, 212, 106007.	2.2	6
153	Using computational-intelligence algorithms and remote sensing data to optimize the locations of check dams to control sediment and runoff in Kandolus watershed, Mazandaran, Iran. Geocarto International, 2022, 37, 12966-12988.	1.7	6
154	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
155	Morphometry of AFs in upstream and downstream of floods in Gribayegan, Iran. Natural Hazards, 2021, 108, 425-450.	1.6	5
156	Comparison of statistical and machine learning approaches in land subsidence modelling. Geocarto International, 2022, 37, 6165-6185.	1.7	5
157	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
158	Evaluating novel hybrid models based on GIS for snow avalanche susceptibility mapping: A comparative study. Cold Regions Science and Technology, 2022, 194, 103453.	1.6	5
159	Identification of dust sources in a dust hot-spot area in Iran using multi-spectral Sentinel 2 data and deep learning artificial intelligence machine. Geocarto International, 0, , 1-14.	1.7	5
160	Airborne toxic emission hazards in Texas: Measuring the vulnerability of place. Applied Geographic Studies, 1997, 1, 271-286.	0.2	4
161	Identification of morphometric features of alluvial fan and basins in predicting the erosion levels using ANN. Environmental Earth Sciences, 2022, 81, 1.	1.3	4
162	Threats to beach resources and park boundaries caused by shoreline migration in an urban estuarine park. Environmental Management, 1990, 14, 195-202.	1.2	3

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163	Environmental Review: Persistent, Bioaccumulative, and Toxic Chemicals in the US-Mexico Borderlands: A Regional Assessment of the Situation. Environmental Practice, 2000, 2, 89-105.	0.3	3
164	Using Dempsterâ€"Shafer theory to model earthquake events. Natural Hazards, 2020, 103, 1943-1959.	1.6	3
165	Regional Cooperative Disaster Risk Management in Central Asian Borderlands. Journal of Borderlands Studies, 2023, 38, 417-439.	0.8	3
166	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
167	Place, Perception, and Choice: Response of Citrus Growers to Freeze in California. Natural Hazards Review, 2004, 5, 179-187.	0.8	2
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