Paraskevas Tsangaratos

List of Publications by Year
in descending order

36 papers	2,720 citations	361296 20 h-index	477173 29 g-index
37 all docs	37 docs citations	37 times ranked	2059 citing authors

#	Article	IF	Citations
1	Comparison of a logistic regression and Naïve Bayes classifier in landslide susceptibility assessments: The influence of models complexity and training dataset size. Catena, 2016, 145, 164-179.	2.2	345
2	Application of fuzzy weight of evidence and data mining techniques in construction of flood susceptibility map of Poyang County, China. Science of the Total Environment, 2018, 625, 575-588.	3.9	279
3	Comparing the prediction performance of a Deep Learning Neural Network model with conventional machine learning models in landslide susceptibility assessment. Catena, 2020, 188, 104426.	2.2	249
4	Applying population-based evolutionary algorithms and a neuro-fuzzy system for modeling landslide susceptibility. Catena, 2019, 172, 212-231.	2.2	210
5	Flash flood susceptibility modeling using an optimized fuzzy rule based feature selection technique and tree based ensemble methods. Science of the Total Environment, 2019, 668, 1038-1054.	3.9	195
6	Landslide susceptibility mapping using a modified decision tree classifier in the Xanthi Perfection, Greece. Landslides, 2016, 13, 305-320.	2.7	156
7	Applying Information Theory and GIS-based quantitative methods to produce landslide susceptibility maps in Nancheng County, China. Landslides, 2017, 14, 1091-1111.	2.7	136
8	Applying weight of evidence method and sensitivity analysis to produce a landslide susceptibility map. Landslides, 2016, 13, 379-397.	2.7	126
9	A hybrid fuzzy weight of evidence method in landslide susceptibility analysis on the Wuyuan area, China. Geomorphology, 2017, 290, 1-16.	1.1	115
10	Applying genetic algorithms to set the optimal combination of forest fire related variables and model forest fire susceptibility based on data mining models. The case of Dayu County, China. Science of the Total Environment, 2018, 630, 1044-1056.	3.9	114
11	Groundwater spring potential mapping using population-based evolutionary algorithms and data mining methods. Science of the Total Environment, 2019, 684, 31-49.	3.9	110
12	Estimating landslide susceptibility through a artificial neural network classifier. Natural Hazards, 2014, 74, 1489-1516.	1.6	105
13	Evaluating the usage of tree-based ensemble methods in groundwater spring potential mapping. Journal of Hydrology, 2020, 583, 124602.	2.3	98
14	Groundwater Spring Potential Mapping Using Artificial Intelligence Approach Based on Kernel Logistic Regression, Random Forest, and Alternating Decision Tree Models. Applied Sciences (Switzerland), 2020, 10, 425.	1.3	79
15	Introducing a novel multi-layer perceptron network based on stochastic gradient descent optimized by a meta-heuristic algorithm for landslide susceptibility mapping. Science of the Total Environment, 2020, 742, 140549.	3.9	69
16	An implementation of rock engineering system for ranking the instability potential of natural slopes in Greek territory. An application in Karditsa County. Landslides, 2008, 5, 261-270.	2.7	66
17	Combining Evolutionary Algorithms and Machine Learning Models in Landslide Susceptibility Assessments. Remote Sensing, 2020, 12, 3854.	1.8	58
18	Land subsidence rebound detected via multi-temporal InSAR and ground truth data in Kalochori and Sindos regions, Northern Greece. Engineering Geology, 2016, 209, 175-186.	2.9	42

#	Article	IF	Citations
19	Developing a landslide susceptibility map based on remote sensing, fuzzy logic and expert knowledge of the Island of Lefkada, Greece. Environmental Earth Sciences, 2018, 77, 1.	1.3	40
20	Land subsidence phenomena investigated by spatiotemporal analysis of groundwater resources, remote sensing techniques, and random forest method: the case of Western Thessaly, Greece. Environmental Monitoring and Assessment, 2018, 190, 623.	1.3	32
21	Use of artificial neural network for spatial rainfall analysis. Journal of Earth System Science, 2014, 123, 457-465.	0.6	13
22	Case Event System for Landslide Susceptibility Analysis. , 2013, , 585-593.		13
23	InSAR time-series monitoring of ground displacement trends in an industrial area (Oreokastroâ€"Thessaloniki, Greece): detection of natural surface rebound and new tectonic insights. Environmental Earth Sciences, 2017, 76, 1.	1.3	10
24	Comparing the Performance of a Logistic Regression and a Random Forest Model in Landslide Susceptibility Assessments. the Case of Wuyaun Area, China. , 2017, , 1043-1050.		10
25	A Geographical Information System (GIS) Based Probabilistic Certainty Factor Approach in Assessing Landslide Susceptibility: The Case Study of Kimi, Euboea, Greece. , 2015, , 1199-1204.		10
26	Flash flood susceptibility mapping using stacking ensemble machine learning models. Geocarto International, 2024, 37, 15010-15036.	1.7	9
27	Applying Machine Learning Algorithms in Landslide Susceptibility Assessments. , 2017, , 433-457.		7
28	Land Subsidence Modelling Using Data Mining Techniques. The Case Study of Western Thessaly, Greece. Advances in Natural and Technological Hazards Research, 2019, , 79-103.	1.1	6
29	A deformation study of Anthemountas graben (northern Greece) based on in situ data and new InSAR results. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	5
30	Radar Space Measurements of the Deforming Trends at Northern Greece Resulting from Underground Water Activity. Advances in Science, Technology and Innovation, 2019, , 309-313.	0.2	3
31	Geo-Characterization at selected accelerometric stations in Crete (Greece) and comparison of earthquake data recordings with EC8 elastic spectra. Open Geosciences, 2014, 6, .	0.6	2
32	Geochemical modeling-based rehabilitation proposal for abandoned sulfidic flotation mill tailings, Kirki, Thrace, NE Greece. Environmental Earth Sciences, 2016, 75, 1.	1.3	2
33	Applying support vector machines optimized by genetic algorithm for estimating the spatial distribution of mean annual precipitation. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	2
34	Ground subsidence phenomena in Frakadona, West Thessaly, Greece. , 2017, , .		2
35	Cross validation of geotechnical and geophysical site characterization methods: near surface data from selected accelerometric stations in Crete (Greece). , 2015, , .		1
36	Geo-characterization according to recent advances of Eurocode (EC8). Proceedings of SPIE, 2013, , .	0.8	0