Aykut Akgun

List of Publications by Year
in descending order

24 papers	2,759 citations	393982 19 h-index
24 all docs	24 docs citations	24 times ranked

610482 24 g-index
1856 citing authors

#	Article	IF	Citations
1	A comparison of landslide susceptibility maps produced by logistic regression, multi-criteria decision, and likelihood ratio methods: a case study at Ä°zmir, Turkey. Landslides, 2012, 9, 93-106.	2.7	395
2	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
3	An easy-to-use MATLAB program (MamLand) for the assessment of landslide susceptibility using a Mamdani fuzzy algorithm. Computers and Geosciences, 2012, 38, 23-34.	2.0	306
4	Landslide susceptibility mapping for a landslide-prone area (Findikli, NE of Turkey) by likelihood-frequency ratio and weighted linear combination models. Environmental Geology, 2008, 54, 1127-1143.	1.2	297
5	GIS-based landslide susceptibility for Arsin-Yomra (Trabzon, North Turkey) region. Environmental Geology, 2007, 51, 1377-1387.	1.2	179
6	Landslide susceptibility mapping for Ayvalik (Western Turkey) and its vicinity by multicriteria decision analysis. Environmental Earth Sciences, 2010, 61, 595-611.	1.3	160
7	A comparison of landslide susceptibility mapping of the eastern part of the North Anatolian Fault Zone (Turkey) by likelihood-frequency ratio and analytic hierarchy process methods. Natural Hazards, 2013, 65, 1481-1506.	1.6	153
8	Novel hybrid artificial intelligence approach of bivariate statistical-methods-based kernel logistic regression classifier for landslide susceptibility modeling. Bulletin of Engineering Geology and the Environment, 2019, 78, 4397-4419.	1.6	135
9	Application of remote sensing data and GIS for landslide risk assessment as an environmental threat to Izmir city (west Turkey). Environmental Monitoring and Assessment, 2012, 184, 5453-5470.	1.3	124
10	Mapping erosion susceptibility by a multivariate statistical method: A case study from the AyvalÄ±k region, NW Turkey. Computers and Geosciences, 2011, 37, 1515-1524.	2.0	110
11	Spatial prediction of landslide hazard at the Luxi area (China) using support vector machines. Environmental Earth Sciences, 2016, 75, 1.	1.3	103
12	Landslide susceptibility mapping by frequency ratio and logistic regression methods: an example from Niksarâ€"Resadiye (Tokat, Turkey). Arabian Journal of Geosciences, 2015, 8, 1801-1812.	0.6	62
13	Landslide susceptibility assessment in the Ä°zmir (West Anatolia, Turkey) city center and its near vicinity by the logistic regression method. Environmental Earth Sciences, 2009, 59, 745-756.	1.3	51
14	GeoFIS: An integrated tool for the assessment of landslide susceptibility. Computers and Geosciences, 2014, 66, 20-30.	2.0	50
15	A large and rapid planar failure: causes, mechanism, and consequences (Mordut, Gumushane, Turkey). Arabian Journal of Geosciences, 2014, 7, 1205-1221.	0.6	47
16	Developing comprehensive geocomputation tools for landslide susceptibility mapping: LSM tool pack. Computers and Geosciences, 2020, 144, 104592.	2.0	45
17	Modelling of the landslide-induced impulse waves in the Artvin Dam reservoir by empirical approach and 3D numerical simulation. Engineering Geology, 2019, 249, 112-128.	2.9	44
18	Landslide susceptibility mapping by geographical information system-based multivariate statistical and deterministic models: in an artificial reservoir area at Northern Turkey. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	42

#	Article	IF	Citations
19	Understanding the mechanism of slope failure on a nearby highway tunnel route by different slope stability analysis methods: a case from NE Turkey. Bulletin of Engineering Geology and the Environment, 2016, 75, 945-958.	1.6	33
20	Assessment of possible damaged areas due to landslide-induced waves at a constructed reservoir using empirical approaches: Kurtun (North Turkey) Dam reservoir area. Natural Hazards and Earth System Sciences, 2011, 11, 1341-1350.	1.5	17
21	A 3D numerical simulation-based methodology for assessment of landslide-generated impulse waves: a case study of the Tersun Dam reservoir (NE Turkey). Landslides, 2020, 17, 2777-2794.	2.7	14
22	Medium scale earthflow susceptibility modelling by remote sensing and geographical information systems based multivariate statistics approach: an example from Northeastern Turkey. Environmental Earth Sciences, 2020, 79, 1.	1.3	12
23	Determination of coastal border line: an integrated approach for a part of Antalya coast (Turkey). Arabian Journal of Geosciences, 2015, 8, 1145-1154.	0.6	10
24	Fluids along the North Anatolian Fault, Niksar basin, north central Turkey: Insight from stable isotopic and geochemical analysis of calcite veins. Journal of Structural Geology, 2017, 101, 58-79.	1.0	4