Tamer Topal

List of Publications by Year in descending order

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52 papers	2,188 citations	361045 20 h-index	233125 45 g-index
56 all docs	56 docs citations	56 times ranked	1789 citing authors

#	Article	IF	Citations
1	Durability assessment of some Cappadocian tuffs using factor analysis, multiple regression analysis, and analytical hierarchy process. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	1.6	1
2	Assessment of damage zone thickness and wall convergence for tunnels excavated in strain-softening rock masses. Tunnelling and Underground Space Technology, 2021, 108, 103722.	3.0	8
3	A new durability assessment method of the tuffs used in some historical buildings of Cappadocia (Turkey). Environmental Earth Sciences, 2021, 80, 1.	1.3	11
4	Assessment of the effectiveness of a rockfall ditch through 3-D probabilistic rockfall simulations and automated image processing. Engineering Geology, 2021, 283, 106001.	2.9	16
5	Effect of disturbed zone thickness on rock slope stability. Natural Hazards, 2021, 108, 1919-1942.	1.6	2
6	Evaluation of twin tunnel-induced surface ground deformation by empirical and numerical analyses (NATM part of Eurasia tunnel, Turkey). Computers and Geotechnics, 2020, 119, 103367.	2.3	29
7	Rockfall Hazard Assessment Around Ankara Citadel (Turkey) Using Rockfall Analyses and Hazard Rating System. Geotechnical and Geological Engineering, 2020, 38, 3831-3851.	0.8	11
8	Prediction of tunnel wall convergences for NATM tunnels which are excavated in weak-to-fair-quality rock masses using decision-tree technique and rock mass strength parameters. SN Applied Sciences, 2020, 2, 1.	1.5	4
9	Durability assessment of the basalts used in the DiyarbakÄ±r City Walls, Turkey. Environmental Earth Sciences, 2019, 78, 1.	1.3	20
10	Weathering and Excavation Effects on the Stability of Various Cut Slopes in Flysch-Like Deposits. Geotechnical and Geological Engineering, 2018, 36, 3707-3729.	0.8	8
11	Assessment of rock slope stability with the effects of weathering and excavation by comparing deterministic methods and slope stability probability classification (SSPC). Environmental Earth Sciences, 2018, 77, 1.	1.3	20
12	Evaluation of the physico-mechanical parameters affecting the deterioration rate of Ahlat ignimbrites (Bitlis, Turkey). Environmental Earth Sciences, 2017, 76, 1.	1.3	14
13	Effects of different drying temperatures on the physical and mechanical properties of some marbles (MuÄŸla, Turkey) during salt crystallization tests. Environmental Earth Sciences, 2016, 75, 1.	1.3	7
14	Assessment of deterioration and collapse mechanisms of dolomitic limestone at Hasankeyf Antique City before and after reservoir impounding (Turkey). Environmental Earth Sciences, 2016, 75, 1.	1.3	3
15	Dynamic soil characterization and site response estimation for Erbaa, Tokat (Turkey). Natural Hazards, 2016, 82, 1833-1868.	1.6	14
16	Antique stone quarries in Turkey: a case study on tuffs in the Temple of Apollon Smintheus. Geological Society Special Publication, 2016, 416, 133-144.	0.8	5
17	Contrast Behavior of Sandstone from Mount Nemrut (Adiyaman-Turkey) After the Accelerated Weathering Tests. , 2015, , 45-49.		1
18	Evaluation of rock slope stability for a touristic coastal area near Kusadasi, Aydin (Turkey). Environmental Earth Sciences, 2015, 74, 4187-4199.	1.3	14

#	Article	IF	Citations
19	Assessment of slope stability and monitoring of a landslide in the Koyulhisar settlement area (Sivas,) Tj ETQq1 1 0.784314 rgBT /Over	1.3	2
20	Decay of Limestone Statues at Mount Nemrut (Adiyaman, Turkey). International Journal of Architectural Heritage, 2015, 9, 244-264.	1.7	8
21	Slope stability assessment of a re-activated landslide on the Artvin-Savsat junction of a provincial road in Meydancik, Turkey. Arabian Journal of Geosciences, 2015, 8, 1769-1786.	0.6	21
22	Evaluation of liquefaction in Karasu River floodplain after the October 23, 2011, Van (Turkey) earthquake. Natural Hazards, 2013, 69, 1551-1575.	1.6	13
23	GIS-based microzonation of the Niksar settlement area for the purpose of urban planning (Tokat,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	10
24	A newly developed seismic microzonation model of Erbaa (Tokat, Turkey) located on seismically active eastern segment of the North Anatolian Fault Zone (NAFZ). Natural Hazards, 2013, 65, 1411-1442.	1.6	13
25	Seismic Microzonation of Erbaa, Tokat Province, Turkey, Based on Analytical Hierarchical Process. Environmental and Engineering Geoscience, 2012, 18, 191-207.	0.3	3
26	Rockfall hazard analysis for an historical Castle in Kastamonu (Turkey). Natural Hazards, 2012, 62, 255-274.	1.6	26
27	GIS-based landslide susceptibility mapping using bivariate statistical analysis in Devrek (Zonguldak-Turkey). Environmental Earth Sciences, 2012, 65, 2161-2178.	1.3	115
28	Empirical correlations of shear wave velocity (Vs) and penetration resistance (SPT-N) for different soils in an earthquake-prone area (Erbaa-Turkey). Engineering Geology, 2011, 119, 1-17.	2.9	87
29	Evaluation of andesite source as armourstone for a rubble mound breakwater (HisarÃ¶nÃ¼, Turkey). Environmental Earth Sciences, 2009, 59, 39-49.	1.3	8
30	Geotechnical assessment of a landslide along a natural gas pipeline for possible remediations (Karacabey-Turkey). Environmental Geology, 2009, 57, 611.	1.2	16
31	Quality and durability assessments of the armourstones for two rubble mound breakwaters (Mersin,) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	11
32	Reply to discussion by H. Sonmez on â€œEffect of weathering on the geomechanical properties of andesite, Ankara, Turkeyâ€•by M. Orhan, N.S. Isik, T. Topal, M. Ozer, Environmental Geology, 50 (1): 85â€“100 (2006). Environmental Geology, 2008, 55, 917-919.	1.2	0
33	Evaluation of the alkali reactivity of cherts from Turkey. Construction and Building Materials, 2008, 22, 1183-1190.	3.2	14
34	Thermal and salt crystallization effects on marble deterioration: Examples from Western Anatolia, Turkey. Engineering Geology, 2007, 90, 30-40.	2.9	40
35	Assessment of rockfall hazard around Afyon Castle, Turkey. Environmental Geology, 2007, 53, 191-200.	1.2	60
36	Assessment of degradation and stability of a cut slope in limestone, Ankara-Turkey. Engineering Geology, 2006, 84, 12-30.	2.9	16

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37	Effect of weathering on the geomechanical properties of andesite, Ankara â€“ Turkey. Environmental Geology, 2006, 50, 85-100.	1.2	22
38	Assessment of environmental and engineering geological problems for the possible re-use of an abandoned rock-hewn settlement in UrgÃ¼p (Cappadocia), Turkey. Environmental Geology, 2006, 50, 473-494.	1.2	51
39	Landslide susceptibility mapping: A comparison of logistic regression and neural networks methods in a medium scale study, Hendek region (Turkey). Engineering Geology, 2005, 79, 251-266.	2.9	645
40	GIS-based detachment susceptibility analyses of a cut slope in limestone, Ankaraâ€”Turkey. Environmental Geology, 2005, 49, 124-132.	1.2	37
41	Assessment of slope stability in Ankara clay: a case study along E90 highway. Environmental Geology, 2004, 45, 963-977.	1.2	16
42	Quality assessment of armourstone for a rubble mound breakwater (Sinop, Turkey). Environmental Geology, 2004, 46, 905-913.	1.2	10
43	Assessment of rock slope stability for a segment of the Ankaraâ€“PozantÄ± motorway, Turkey. Engineering Geology, 2004, 74, 73-90.	2.9	27
44	Alkali reactivity of mortars containing chert and incorporating moderate-calcium fly ash. Cement and Concrete Research, 2004, 34, 2209-2214.	4.6	21
45	Lichenic growth as a factor in the physical deterioration or protection of Cappadocian monuments. Environmental Geology, 2003, 43, 776-781.	1.2	39
46	GIS-based landslide susceptibility mapping for a problematic segment of the natural gas pipeline, Hendek (Turkey). Environmental Geology, 2003, 44, 949-962.	1.2	300
47	Evaluation of rock excavatability and slope stability along a segment of motorway, Pozanti, Turkey. Environmental Geology, 2003, -1, 1-1.	1.2	3
48	Deterioration mechanisms of tuffs in Midas monument. Engineering Geology, 2003, 68, 201-223.	2.9	93
49	Microzonation for earthquake hazards: YeniÅŸehir settlement, Bursa, Turkey. Engineering Geology, 2003, 70, 93-108.	2.9	41
50	Quantification of weathering depths in slightly weathered tuffs. Environmental Geology, 2002, 42, 632-641.	1.2	35
51	Analyses of deterioration of the Cappadocian tuff, Turkey. Environmental Geology, 1998, 34, 5-20.	1.2	83
52	Engineering geological properties and durability assessment of the Cappadocian tuff. Engineering Geology, 1997, 47, 175-187.	2.9	103