

Haluk Akgun, Of Geological Engineering

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7374320/publications.pdf>

Version: 2024-02-01

60
papers

1,288
citations

331259

21
h-index

414034

32
g-index

63
all docs

63
docs citations

63
times ranked

817
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | An evaluation of seismic hazard and potential damage in Gaziantep, Turkey using site specific models for sources, velocity structure and building stock. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 154, 107129. | 1.9 | 9 |
| 2 | Application of an optical fiber-based system for mass movement monitoring. <i>Environmental Earth Sciences</i> , 2022, 81, 1. | 1.3 | 4 |
| 3 | Landslide susceptibility assessment in medium-scale: case studies from the major drainage basins of Turkey. <i>Environmental Earth Sciences</i> , 2022, 81, 1. | 1.3 | 11 |
| 4 | Landslide Susceptibility Assessment by Using Convolutional Neural Network. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5992. | 1.3 | 50 |
| 5 | Development of a three-dimensional basin model to evaluate the site effects in the tectonically active near-fault region of Glyaka basin, Dzce, Turkey. <i>Natural Hazards</i> , 2022, 114, 941-969. | 1.6 | 3 |
| 6 | Deep learning-based key-block classification framework for discontinuous rock slopes. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 1131-1139. | 3.7 | 18 |
| 7 | Application of fuzzy expert decision-making system for rock slope block-toppling modeling and assessment: a case study. <i>Modeling Earth Systems and Environment</i> , 2021, 7, 159-168. | 1.9 | 20 |
| 8 | Clustering method for spread pattern analysis of corona-virus (COVID-19) infection in Iran. <i>Journal of Applied Science Engineering Technology and Education</i> , 2021, 3, 1-6. | 0.2 | 21 |
| 9 | Discontinuous rock slope stability analysis by limit equilibrium approaches – a review. <i>International Journal of Digital Earth</i> , 2021, 14, 1918-1941. | 1.6 | 51 |
| 10 | Deep learning-based landslide susceptibility mapping. <i>Scientific Reports</i> , 2021, 11, 24112. | 1.6 | 149 |
| 11 | Application of the modified Q-slope classification system for sedimentary rock slope stability assessment in Iran. <i>Engineering Geology</i> , 2020, 264, 105349. | 2.9 | 34 |
| 12 | Key-block based analytical stability method for discontinuous rock slope subjected to toppling failure. <i>Computers and Geotechnics</i> , 2020, 124, 103620. | 2.3 | 32 |
| 13 | Displacement monitoring, displacement verification and stability assessment of the critical sections of the Konak tunnel, zmir, Turkey. <i>Tunnelling and Underground Space Technology</i> , 2020, 101, 103357. | 3.0 | 20 |
| 14 | Discontinuous rock slope stability analysis under blocky structural sliding by fuzzy key-block analysis method. <i>Heliyon</i> , 2020, 6, e03907. | 1.4 | 26 |
| 15 | Development of a 2D and 3D computational algorithm for discontinuity structural geometry identification by artificial intelligence based on image processing techniques. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 3371-3383. | 1.6 | 28 |
| 16 | An empirical strength criterion for the Antalya tufa rock, southern Turkey. <i>Environmental Earth Sciences</i> , 2019, 78, 1. | 1.3 | 4 |
| 17 | Geothermal resource assessment of the Gediz Graben utilizing TOPSIS methodology. <i>Geothermics</i> , 2019, 80, 92-102. | 1.5 | 15 |
| 18 | Correlations of SPT, CPT and pressuremeter test data in alluvial soils. Case study: Tabriz Metro Line 2, Iran. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 5067-5086. | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Evaluation of a sand bentonite mixture as a shaft/borehole sealing material. Applied Clay Science, 2018, 164, 34-43. | 2.6 | 14 |
| 20 | Stochastic geometry model of rock mass fracture network in tunnels. Quarterly Journal of Engineering Geology and Hydrogeology, 2018, 51, 379-386. | 0.8 | 25 |
| 21 | Assessment of the effect of mineralogy on the geotechnical parameters of clayey soils: A case study for the Orta County, Ankara, Turkey. Applied Clay Science, 2018, 164, 44-53. | 2.6 | 6 |
| 22 | Landslide susceptibility assessment of South Pars Special Zone, southwest Iran. Environmental Earth Sciences, 2018, 77, 1. | 1.3 | 47 |
| 23 | Numerical modeling of discontinuous rock slopes utilizing the 3DDGM (three-dimensional) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2017, 76, 989-1007. | 1.6 | 39 |
| 24 | Assessment of discontinuous rock slope stability with block theory and numerical modeling: a case study for the South Pars Gas Complex, Assalouyeh, Iran. Environmental Earth Sciences, 2017, 76, 1. | 1.3 | 33 |
| 25 | The use of Ankara Clay as a compacted clay liner for landfill sites. Clay Minerals, 2017, 52, 391-412. | 0.2 | 5 |
| 26 | National level landslide susceptibility assessment of Turkey utilizing public domain dataset. Environmental Earth Sciences, 2016, 75, 1. | 1.3 | 21 |
| 27 | A generalized seismic source model for the Eastern Marmara Region along the segments of the North Anatolian Fault System. Soil Dynamics and Earthquake Engineering, 2016, 88, 412-426. | 1.9 | 2 |
| 28 | Engineering geological characterization of the Antalya karstic rocks, southern Turkey. Environmental Earth Sciences, 2016, 75, 1. | 1.3 | 8 |
| 29 | Evaluation of site effect within the tectonic basin in the northern side of Ankara. Engineering Geology, 2015, 192, 76-91. | 2.9 | 22 |
| 30 | Performance assessment of a bentonite-sand mixture for nuclear waste isolation at the potential Akkuyu Nuclear Waste Disposal Site, southern Turkey. Environmental Earth Sciences, 2015, 73, 6101-6116. | 1.3 | 22 |
| 31 | Geotechnical evaluation of Ankara clay as a compacted clay liner. Environmental Earth Sciences, 2015, 74, 2991-3006. | 1.3 | 15 |
| 32 | Geotechnical assessment and engineering classification of the Antalya tufa rock, southern Turkey. Engineering Geology, 2015, 197, 211-224. | 2.9 | 8 |
| 33 | Evaluation and comparison of landslide susceptibility mapping methods: a case study for the Ullus district, Bartın, northern Turkey. International Journal of Geographical Information Science, 2015, 29, 132-158. | 2.2 | 60 |
| 34 | Optical Fiber Technology to Monitor Slope Movement. , 2015, , 1425-1429. | | 3 |
| 35 | Characterization and Assessment of Large Landslide Movement Along the Bursa-Inegöl-Bozüyük Highway in Turkey. , 2015, , 289-293. | | 2 |
| 36 | Landfill site selection utilizing TOPSIS methodology and clay liner geotechnical characterization: a case study for Ankara, Turkey. Bulletin of Engineering Geology and the Environment, 2014, 73, 369-388. | 1.6 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Investigation of the failure mechanism and stabilization of a landslide in weathered tuffite, Giresun, northeastern Turkey. <i>Environmental Earth Sciences</i> , 2014, 72, 3723-3740. | 1.3 | 11 |
| 38 | Geotechnical investigations and preliminary support design for the GeÅšilmez tunnel: A case study along the Black Sea coastal highway, Giresun, northern Turkey. <i>Tunnelling and Underground Space Technology</i> , 2014, 40, 277-299. | 3.0 | 28 |
| 39 | Landfill site selection and landfill liner design for Ankara, Turkey. <i>Environmental Earth Sciences</i> , 2013, 70, 2729-2752. | 1.3 | 34 |
| 40 | Evaluation of the site effects of the Ankara basin, Turkey. <i>Journal of Applied Geophysics</i> , 2012, 83, 120-134. | 0.9 | 27 |
| 41 | Local site characterization and seismic zonation study by utilizing active and passive surface wave methods: A case study for the northern side of Ankara, Turkey. <i>Engineering Geology</i> , 2012, 151, 64-81. | 2.9 | 41 |
| 42 | Evaluation of site conditions for the Ankara Basin of Turkey based on seismic site characterization of near-surface geologic materials. <i>Soil Dynamics and Earthquake Engineering</i> , 2010, 30, 8-20. | 1.9 | 18 |
| 43 | Geotechnical characterization and performance assessment of bentonite/sand mixtures for underground waste repository sealing. <i>Applied Clay Science</i> , 2010, 49, 394-399. | 2.6 | 25 |
| 44 | Stability Charts for the Collapse of Residual Soil in Karst. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 925-931. | 1.5 | 34 |
| 45 | Development of a geotechnical and geophysical database for seismic zonation of the Ankara Basin, Turkey. <i>Environmental Geology</i> , 2008, 55, 165-176. | 1.2 | 18 |
| 46 | Engineering geological investigations and the preliminary support design for the proposed Ordu Peripheral Highway Tunnel, Ordu, Turkey. <i>Engineering Geology</i> , 2008, 96, 43-61. | 2.9 | 20 |
| 47 | Undrained Stability of Residual Soil in Karst. , 2008, , . | | 1 |
| 48 | Evaluation of a compacted bentonite/sand seal for underground waste repository isolation. <i>Environmental Geology</i> , 2006, 50, 331-337. | 1.2 | 22 |
| 49 | Environmental geological and geotechnical investigations related to the potential use of Ankara clay as a compacted landfill liner material, Turkey. <i>Environmental Geology</i> , 2005, 47, 225-236. | 1.2 | 25 |
| 50 | Composite landfill liner design with Ankara clay, Turkey. <i>Environmental Geology</i> , 2005, 47, 795-803. | 1.2 | 4 |
| 51 | Stability of expansive cement grout borehole seals emplaced in the vicinity of underground radioactive waste repositories. <i>Environmental Geology</i> , 2004, 45, 1167-1171. | 1.2 | 6 |
| 52 | Design of anchorage and assessment of the stability of openings in silty, sandy limestone: a case study in Turkey. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2004, 41, 37-49. | 2.6 | 28 |
| 53 | Remediation of the geotechnical problems of the Hasankeyf historical area, southeastern Turkey. <i>Environmental Geology</i> , 2003, 44, 522-529. | 1.2 | 8 |
| 54 | Engineering geological investigations along the IİÅksu Tunnels, Alanya, southern Turkey. <i>Engineering Geology</i> , 2003, 68, 141-158. | 2.9 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Influence of elevated temperature on axially loaded expansive cement grout borehole plug sealing performance. Magazine of Concrete Research, 2000, 52, 379-394. | 0.9 | 3 |
| 56 | Influence of degree of saturation on the borehole sealing performance of an expansive cement grout. Cement and Concrete Research, 2000, 30, 281-289. | 4.6 | 12 |
| 57 | Environmental geological investigations at the Van open dump site, southeastern Turkey. Environmental Geology, 2000, 39, 660-666. | 1.2 | 0 |
| 58 | Design implications of analytical and laboratory studies of permanent abandonment plugs. Canadian Geotechnical Journal, 1999, 36, 21-38. | 1.4 | 15 |
| 59 | Analytical and experimental assessment of mechanical borehole sealing performance in rock. Engineering Geology, 1997, 47, 233-241. | 2.9 | 10 |
| 60 | Performance assessment of cement grout borehole plugs in basalt. Engineering Geology, 1994, 37, 137-148. | 2.9 | 8 |