

# Ali Noorzad

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

991  
citations

516561

16  
h-index

501076

28  
g-index

66  
all docs

66  
docs citations

66  
times ranked

788  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain energy based evaluation of liquefaction and residual pore water pressure in sands using cyclic torsional shear experiments. <i>Soil Dynamics and Earthquake Engineering</i> , 2012, 35, 13-28.	1.9	82
2	Modeling time-dependent behavior of gas caverns in rock salt considering creep, dilatancy and failure. <i>Tunnelling and Underground Space Technology</i> , 2013, 33, 171-185.	3.0	77
3	Subsidence estimation utilizing various approaches – A case study: Tehran No. 3 subway line. <i>Tunnelling and Underground Space Technology</i> , 2012, 31, 117-127.	3.0	53
4	A new approach to particle shape classification of granular materials. <i>Transportation Geotechnics</i> , 2020, 22, 100296.	2.0	51
5	A laboratory study on the MSW mechanical behavior in triaxial apparatus. <i>Waste Management</i> , 2011, 31, 1807-1819.	3.7	49
6	Effect of footing shape and load eccentricity on behavior of geosynthetic reinforced sand bed. <i>Geotextiles and Geomembranes</i> , 2017, 45, 58-67.	2.3	45
7	Municipal solid waste effective stress analysis. <i>Waste Management</i> , 2009, 29, 2918-2930.	3.7	44
8	Load eccentricity effects on behavior of circular footings reinforced with geogrid sheets. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2015, 7, 691-699.	3.7	43
9	A worldwide SPT-based soil liquefaction triggering analysis utilizing gene expression programming and Bayesian probabilistic method. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017, 9, 683-693.	3.7	38
10	Effects of soil physico-chemical properties on stream bank erosion induced by seepage in northeastern Iran. <i>Hydrological Sciences Journal</i> , 2017, 62, 2597-2613.	1.2	30
11	On the efficiency and predictability of strain energy for the evaluation of liquefaction potential: A numerical study. <i>Computers and Geotechnics</i> , 2011, 38, 800-808.	2.3	28
12	Seismic analysis of dam-foundation-reservoir system including the effects of foundation mass and radiation damping. <i>Earthquake Engineering and Engineering Vibration</i> , 2019, 18, 203-218.	1.1	27
13	Predicting crest settlement in concrete face rockfill dams using adaptive neuro-fuzzy inference system and gene expression programming intelligent methods. <i>Journal of Zhejiang University: Science A</i> , 2013, 14, 589-602.	1.3	26
14	A 3D-DEM investigation of the mechanism of arching within geosynthetic-reinforced piled embankment. <i>International Journal of Solids and Structures</i> , 2020, 187, 58-74.	1.3	23
15	Hydro-mechanical interaction analysis of reinforced concrete lining in pressure tunnels. <i>Tunnelling and Underground Space Technology</i> , 2017, 69, 125-132.	3.0	20
16	Effects of particle morphology on the minimum and maximum void ratios of granular materials. <i>Granular Matter</i> , 2022, 24, 1.	1.1	19
17	A new method to determine specific surface area and shape coefficient of a cohesionless granular medium. <i>Advanced Powder Technology</i> , 2020, 31, 3038-3049.	2.0	18
18	Application of short-range photogrammetry for monitoring seepage erosion of riverbank by laboratory experiments. <i>Journal of Hydrology</i> , 2018, 558, 380-391.	2.3	17

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19	Strengthening of Dune Sand with Sodium Alginate Biopolymer. , 2019, , .		17
20	Load recovery mechanism of arching within piled embankments using discrete element method and small scale tests. Powder Technology, 2020, 359, 59-75.	2.1	16
21	Strength Properties of Hexametaphosphate Treated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1215-1218.	1.5	15
22	Computer-aided SPT-based reliability model for probability of liquefaction using hybrid PSO and GA. Journal of Computational Design and Engineering, 2020, 7, 107-127.	1.5	15
23	Effects of grain morphology on suffusion susceptibility of cohesionless soils. Granular Matter, 2021, 23, 1.	1.1	15
24	Predicting the behavior of unbound granular materials under repeated loads based on the compact shakedown state. Transportation Geotechnics, 2018, 17, 35-47.	2.0	14
25	Biological soil improvement using new environmental bacteria isolated from northern Iran. Environmental Geotechnics, 2022, 9, 534-546.	1.3	14
26	Scale effect study on the modulus of subgrade reaction of geogrid-reinforced soil. SN Applied Sciences, 2020, 2, 1.	1.5	14
27	Seismic performance assessment of a cemented material dam using incremental dynamic analysis. Structures, 2021, 29, 1187-1198.	1.7	13
28	An updating void ratio model for large deformation simulation of geogrid-granular strip anchors plates. Computers and Geotechnics, 2018, 94, 134-149.	2.3	12
29	Assessment of Foundation Mass and Earthquake Input Mechanism Effect on Damâ€™Reservoirâ€™Foundation System Response. International Journal of Civil Engineering, 2019, 17, 473-480.	0.9	11
30	Support system suggestion based on back-analysis results case study: Babolak water conveyance tunnel. Arabian Journal of Geosciences, 2012, 5, 1297-1306.	0.6	10
31	Investigation on Various Relations Between Uniaxial Compressive Strength, Elasticity and Deformation Modulus of Asmari Formation in Iran. Arabian Journal for Science and Engineering, 2014, 39, 2677-2682.	1.1	10
32	Hydrodynamic pressures in contraction joints including waterstops on seismic response of high arch dams. Structures, 2018, 14, 1-14.	1.7	9
33	Eccentric behavior of square and circular footings resting on geogrid-reinforced sand. International Journal of Geotechnical Engineering, 2020, 14, 151-161.	1.1	9
34	Validation of Hyperbolic Model by the Results of Triaxial and Direct Shear Tests of Municipal Solid Waste. Geotechnical and Geological Engineering, 2017, 35, 2003-2015.	0.8	8
35	A Simplified Method for Prediction of Ultimate Bearing Capacity of Eccentrically Loaded Foundation on Geogrid Reinforced Sand Bed. International Journal of Geosynthetics and Ground Engineering, 2017, 3, 1.	0.9	8
36	A numerical study on interface shearing of granular Cosserat materials. European Journal of Environmental and Civil Engineering, 2021, 25, 2337-2369.	1.0	8

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37	Study on the effects of blast damage factor and blast design parameters on the ground vibration using 3D discrete element method. <i>Innovative Infrastructure Solutions</i> , 2020, 5, 1.	1.1	8
38	Seismic evaluation of cemented material dams -A case study of Tobetsu Dam in Japan. <i>Earthquake and Structures</i> , 2016, 10, 717-733.	1.0	8
39	Modeling interface shear behavior of granular materials using micro-polar continuum approach. <i>Continuum Mechanics and Thermodynamics</i> , 2018, 30, 95-126.	1.4	7
40	Numerical simulation of liquefaction in porous media using nonlinear fluid flow law. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2015, 39, 229-250.	1.7	6
41	Investigations on pullout behavior of geogrid-granular trench using CANAsand constitutive model. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017, 9, 726-740.	3.7	6
42	A state boundary surface model for improving the dilatancy simulation of granular material in reinforced anchors. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	5
43	Integrated fuzzy decision approach for reliability improvement of dam instrumentation and monitoring. <i>Journal of Structural Integrity and Maintenance</i> , 2018, 3, 114-125.	0.7	5
44	Application of Particle Stiffness Fabric Tensor for Modeling Inherent Anisotropy in Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 3077-3093.	2.6	5
45	A large-scale landslide and related mechanism: a case study in the Qazvinâ€“Rasht freeway, Iran. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	3
46	Combined DEM-FDM modelling of encased stone column. <i>E3S Web of Conferences</i> , 2019, 92, 16012.	0.2	3
47	Modeling an environment-friendly and antiearthquake dam by probabilistic-FEM approach. <i>Modeling Earth Systems and Environment</i> , 0, , 1.	1.9	3
48	A novel simple technique for determining the geogrid geometry affecting the bearing capacity of reinforced cohesive-frictional soil. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	3
49	Study on the effect of air deck on ground vibration and development of blast damage zone using 3D discrete element numerical method. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	3
50	Reliable monitoring of embankment dams with optimal selection of geotechnical instruments. <i>Structural Monitoring and Maintenance</i> , 2017, 4, 85-105.	1.7	3
51	Effect of sheet pile wall on the load-settlement behaviour of square footing nearby excavation. <i>Geomechanics and Geoengineering</i> , 2023, 18, 149-167.	0.9	3
52	An Extension to Barcelona Basic Model Predicting the Behavior of Unsaturated Soils. <i>Transportation Infrastructure Geotechnology</i> , 2022, 9, 133-154.	1.9	2
53	Hybrid Continuous-Discrete Modeling of an Ordinary Stone Column and Micromechanical Investigations. <i>Geotechnical and Geological Engineering</i> , 2021, 39, 3249-3264.	0.8	2
54	Use of casing and its effect on pressure cells. <i>Mining Science and Technology</i> , 2010, 20, 384-390.	0.3	1

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55	Proposing new relationships to estimate the pressuremeter modulus of cohesive and cohesionless media. <i>Innovative Infrastructure Solutions</i> , 2018, 3, 1.	1.1	1
56	Investigation of Abrasion and Impact Resistance of Aggregates in Different Environments in Direh, Kermanshah, Iran. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 2015-2028.	0.8	1
57	Impact of reinforcement granular soils on the behaviour of strip footing nearby an excavation. <i>Geomechanics and Geoengineering</i> , 0, , 1-32.	0.9	1
58	Numerical and experimental modeling of geomechanical behavior of partially saturated soils. <i>International Journal of Geo-Engineering</i> , 2021, 12, 1.	0.9	1
59	A comparison between constitutive models for the municipal solid waste. <i>Waste Management and Research</i> , 2022, 40, 111-119.	2.2	1
60	Numerical Analysis of Liquefaction Phenomenon Considering Irregular Topographic Interfaces Between Porous Layers. <i>Journal of Earthquake Engineering</i> , 2023, 27, 1095-1109.	1.4	1
61	Improving the seismic behavior of geogrid reinforced soil (GRS) walls by construction in multi-tiered configurations with treated backfill soil. <i>Geosynthetics International</i> , 0, , 1-74.	1.5	1
62	Simulation of Lateral Spreading and Evaluation of Lateral Displacement of Gently Sloping Liquefied Ground. , 2017, , .		0
63	Effect of Morphometric Characteristics of Catchments on the Aggregates' Resistance of Freeze-Thaw and Sodium Sulfate Soundness: A Case Study of Alluvial Fans of Direh, Kermanshah, Iran. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 1575-1589.	0.7	0
64	Statistical Analyses of Shear Strength Properties of Cemented Coarse Grained Alluvium, a Case Study: Tehran, Iran. <i>Geotechnical and Geological Engineering</i> , 0, , 1.	0.8	0
65	Analysis and design of inclined piles used to prevent downhill creep of unsaturated clay formations. <i>Structural Engineering and Mechanics</i> , 1998, 6, 245-257.	1.0	0
66	The Influence of Cyclic Thermal Loading on the Response of Energy Piles Subjected to Combined Axial/Horizontal Loading. , 2022, , .		0