

# Roohollah Kalatehjari

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

418  
citations

759233

12  
h-index

839539

18  
g-index

24  
all docs

24  
docs citations

24  
times ranked

406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Particle Swarm Optimization in Geotechnical Engineering: A Comprehensive Review. <i>Geotechnical and Geological Engineering</i> , 2018, 36, 705-722.	1.7	128
2	The effects of method of generating circular slip surfaces on determining the critical slip surface by particle swarm optimization. <i>Arabian Journal of Geosciences</i> , 2014, 7, 1529-1539.	1.3	38
3	Relationship between liquidity index and stabilized strength of local subgrade materials in a tropical area. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 55, 231-237.	5.0	37
4	3D prediction of tunneling-induced ground movements based on a hybrid ANN and empirical methods. <i>Engineering With Computers</i> , 2020, 36, 251-269.	6.1	32
5	Determination of three-dimensional shape of failure in soil slopes. <i>Canadian Geotechnical Journal</i> , 2015, 52, 1283-1301.	2.8	30
6	Determining the unique direction of sliding in three-dimensional slope stability analysis. <i>Engineering Geology</i> , 2014, 182, 97-108.	6.3	29
7	The Contribution of Particle Swarm Optimization to Three-Dimensional Slope Stability Analysis. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.	2.1	23
8	Determination of pile failure mechanism under pullout test in loose sand. <i>Journal of Central South University</i> , 2015, 22, 1490-1501.	3.0	20
9	An ANN-Fuzzy Cognitive Map-Based Z-Number Theory to Predict Flyrock Induced by Blasting in Open-Pit Mines. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 4373-4390.	5.4	17
10	Collapse/Swell Potential of Residual Laterite Soil Due to Wetting and Drying-wetting Cycles. <i>The National Academy of Sciences, India</i> , 2014, 37, 147-153.	1.3	15
11	A typical weathering profile of granitic rock in Johor, Malaysia based on joint characterization. <i>Arabian Journal of Geosciences</i> , 2015, 8, 2191-2201.	1.3	15
12	Indirect measure of thermal conductivity of rocks through adaptive neuro-fuzzy inference system and multivariate regression analysis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 67, 71-77.	5.0	13
13	Predicting the Effective Depth of Soil Stabilization for Marine Clay Treated by Biomass Silica. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 4316-4326.	1.9	8
14	Determination of liquid limit of a low swelling clay using different cone angles. <i>Applied Clay Science</i> , 2016, 132-133, 748-752.	5.2	4
15	Application of UAV-based photogrammetry and normalised water index (NDWI) to estimate the rock mass rating (RMR): A case study. <i>Physics and Chemistry of the Earth</i> , 2022, 127, 103161.	2.9	4
16	Assessment of Weathering Effects on Rock Mass Structure. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 T	0.4	2
17	Sandâ€“Tire Shred Mixture Performance in Controlling Surface Explosion Hazards That Affect Underground Structures. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11741.	2.5	2
18	Temperature effect on compression and collapsibility of residual granitic soil. <i>Gradevinar</i> , 2014, , .	0.2	1

#	ARTICLE	IF	CITATIONS
19	Determination of Soil Specific Gravity by Using Partially Vacuum and Shaking Methods. Journal of the Institution of Engineers (India): Series A, 2017, 98, 25-28.	1.2	0
20	Classification of piles based on the results of low strain pile integrity tests “ Case studies of selected piles in Lagos and Port-Harcourt, Nigeria. DFI Journal, 2018, 12, 50-56.	0.2	0
21	Assessment of disturbance impact of hydraulic jacked-in pile penetration in artificial clayey soil. Marine Georesources and Geotechnology, 2021, 39, 631-637.	2.1	0
22	FINDING THE CRITICAL SLIP SURFACE OF A SOIL SLOPE WITH THE AID OF PARTICLE SWARM OPTIMIZATION. , 2011, , .		0
23	Optimization of Abrasive Wear Behavior of High Chromium Cast Iron and Hadfield Steel. Recent Patents on Mechanical Engineering, 2012, 5, 113-128.	0.3	0
24	Toward Standardizing the Search for Critical Slip Surface in Slope Stability Analysis. Lecture Notes in Civil Engineering, 2020, , 795-802.	0.4	0