

Massoud Palassi

List of Publications by Year in descending order

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23
papers

438
citations

759233

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all docs

23
docs citations

23
times ranked

297
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the Strength of Railway Ballast Using Point Load Test for Various Size Fractions and Particle Shapes. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 2655-2664.	5.4	52
2	Evaluating the influence of ballast degradation on its shear behaviour. <i>International Journal of Rail Transportation</i> , 2018, 6, 145-162.	2.7	46
3	Effect of gradation of aggregate and size of fouling materials on hydraulic conductivity of sand-fouled railway ballast. <i>Construction and Building Materials</i> , 2018, 167, 514-523.	7.2	41
4	Evaluation of particle shape on direct shear mechanical behavior of ballast assembly using discrete element method (DEM). <i>Transportation Geotechnics</i> , 2020, 23, 100357.	4.5	36
5	Effect of sand and clay fouling on the shear strength of railway ballast for different ballast gradations. <i>Granular Matter</i> , 2018, 20, 1.	2.2	33
6	Effect of particle size distribution and subgrade condition on degradation of railway ballast under impact loads. <i>Granular Matter</i> , 2017, 19, 1.	2.2	32
7	Effect of pipe characteristics in umbrella arch method on controlling tunneling-induced settlements in soft grounds. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020, 12, 984-1000.	8.1	30
8	Evaluation of morphological properties of railway ballast particles by image processing method. <i>Transportation Geotechnics</i> , 2017, 12, 15-25.	4.5	22
9	Relationships Between Abrasion/Degradation of Aggregate Evaluated from Various Tests and the Effect of Saturation. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 2937-2943.	5.4	21
10	Thermal analysis of bitumen modified with LDPE and CR. <i>Petroleum Science and Technology</i> , 2017, 35, 1570-1575.	1.5	19
11	A new nail penetration test for estimation of rock strength. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 66, 124-127.	5.8	18
12	Investigation on the sustainable use of electric arc furnace slag aggregates in eco-friendly alkali-activated low fineness slag concrete as a green construction composite. <i>Journal of Cleaner Production</i> , 2021, 307, 127257.	9.3	18
13	Degradation of railway ballast under compressive loads considering particles rearrangement. <i>International Journal of Pavement Engineering</i> , 2020, 21, 157-169.	4.4	13
14	Selection of asphalt mix with optimal fracture properties at intermediate temperature using Taguchi method for design of experiment. <i>Construction and Building Materials</i> , 2020, 262, 120601.	7.2	13
15	Mechanical Properties of Clayey Soil Reinforced with PET Considering the Influence of Lime-Stabilization. <i>Transportation Geotechnics</i> , 2022, 33, 100726.	4.5	13
16	Mechanical and durability assessment of unconfined recycled concrete aggregates and natural aggregates used in road constructions. <i>International Journal of Pavement Engineering</i> , 2021, 22, 1518-1530.	4.4	10
17	Degradation of railway ballast under impact loading considering the morphological properties of aggregate. <i>Transportation Geotechnics</i> , 2020, 25, 100398.	4.5	9
18	Axially confined point load testing. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2011, 48, 311-315.	5.8	6

#	ARTICLE	IF	CITATIONS
19	Evaluation of Application of Thin HMA Overlay on the Existing Flexible Pavement for High-Traffic-Volume Rural Highways. Periodica Polytechnica: Civil Engineering, 2015, 59, 65-75.	0.6	2
20	Evaluating the effect of waste material on viscoelastic characteristics of bitumen. Petroleum Science and Technology, 2017, 35, 1601-1606.	1.5	2
21	Assessment of the Effect of Skin Friction on the Results of Dynamic Penetration Testing in Cohesionless Soil. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 715-721.	1.9	1
22	Using response surface methodology to optimize rubber and LDPE contents in bitumen at low-temperature performance. Petroleum Science and Technology, 0, , 1-20.	1.5	1
23	Estimation of SPT N Values from the Results of DCPT Counts After Elimination of the Soil Friction Effect. Indian Geotechnical Journal, 0, , 1.	1.4	0