

Omid Khalaj

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

484
citations

1040056

9
h-index

713466

21
g-index

34
all docs

34
docs citations

34
times ranked

270
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory tests of small-diameter HDPE pipes buried in reinforced sand under repeated-load. Geotextiles and Geomembranes, 2008, 26, 145-163.	4.6	84
2	Repeated loading of soil containing granulated rubber and multiple geocell layers. Geotextiles and Geomembranes, 2014, 42, 25-38.	4.6	84
3	Pilot-scale load tests of a combined multilayered geocell and rubber-reinforced foundation. Geosynthetics International, 2013, 20, 143-161.	2.9	63
4	Analysis of repeated-load laboratory tests on buried plastic pipes in sand. Soil Dynamics and Earthquake Engineering, 2011, 31, 1-15.	3.8	32
5	Microstructure Evolution in ODS Alloys with a High-Volume Fraction of Nano Oxides. Metals, 2018, 8, 1079.	2.3	29
6	Experimental study of a shallow strip footing on geogrid-reinforced sand bed above a void. Geosynthetics International, 2011, 18, 178-195.	2.9	25
7	Hybrid Machine Learning Techniques and Computational Mechanics: Estimating the Dynamic Behavior of Oxide Precipitation Hardened Steel. IEEE Access, 2021, 9, 156930-156946.	4.2	22
8	Improvement of pavement foundation response with multi-layers of geocell reinforcement: Cyclic plate load test. Geomechanics and Engineering, 2015, 9, 373-395.	0.9	20
9	Flexible manufacturing chain with integrated incremental bending and Q-P heat treatment for on-demand production of AHSS safety parts. Journal of Materials Processing Technology, 2020, 275, 116312.	6.3	16
10	Behaviour of new ODS alloys under single and multiple deformation. Materiali in Tehnologije, 2016, 50, 891-898.	0.5	12
11	Influence of thermomechanical treatment on the grain-growth behaviour of new Fe-Al based alloys with fine Al ₂ O ₃ precipitates. Materiali in Tehnologije, 2017, 51, 759-768.	0.5	11
12	The Role of Expanded Polystyrene and Geocell in Enhancing the Behavior of Buried HDPE Pipes under Trench Loading Using Numerical Analyses. Geosciences (Switzerland), 2020, 10, 251.	2.2	10
13	Potential role of machine learning techniques for modeling the hardness of OPH steels. Materials Today Communications, 2021, 26, 101806.	1.9	9
14	Protection of Buried Pipe under Repeated Loading by Geocell Reinforcement. IOP Conference Series: Earth and Environmental Science, 2017, 95, 022030.	0.3	7
15	Hot Rolling vs. Forging: Newly Developed Fe-Al-O Based OPH Alloy. Metals, 2021, 11, 228.	2.3	7
16	Investigation on new creep- and oxidation-resistant materials. Materiali in Tehnologije, 2015, 49, 645-651.	0.5	7
17	High Temperature and Corrosion Properties of A Newly Developed Fe-Al-O Based OPH Alloy. Metals, 2020, 10, 167.	2.3	6
18	The Effect of Geocell Reinforced Embankment Construction on the Behaviour of Beneath Soil Layers Using Numerical Analysis. IOP Conference Series: Earth and Environmental Science, 0, 609, 012015.	0.3	6

#	ARTICLE	IF	CITATIONS
19	Repeated Load Response of Soil Reinforced by Two Layers of Geocell. <i>Procedia Earth and Planetary Science</i> , 2015, 15, 99-104.	0.6	5
20	Laboratory Investigation of Buried Pipes Using Geogrid and EPS Geofoam Block. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 95, 022002.	0.3	5
21	The Effect of Heat Treatment on the Tribological Properties and Room Temperature Corrosion Behavior of Fe-Al-Based OPH Alloy. <i>Materials</i> , 2020, 13, 5465.	2.9	5
22	Microstructure Evaluation of New ODS Alloys with Fe-Al Matrix and Al ₂ O ₃ Particles. , 2017, , .		3
23	Annealing Effects on the Microstructure and Thermomechanical Properties of New-Generation ODS Alloys. <i>Key Engineering Materials</i> , 0, 834, 67-74.	0.4	3
24	Development of Machine Learning Models to Evaluate the Toughness of OPH Alloys. <i>Materials</i> , 2021, 14, 6713.	2.9	3
25	Microstructural and Hardness Evolution of New Developed OPH Steels. <i>Solid State Phenomena</i> , 0, 294, 92-97.	0.3	2
26	Corrosion Behavior and Mechanical Properties of New Developed Oxide Precipitation Hardened Steels. <i>Key Engineering Materials</i> , 0, 846, 87-92.	0.4	2
27	Assessment the Role of Expanded-Polystyrene Block and Grogrid Layer on Behavior of Buried Pipeline. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 609, 012014.	0.3	2
28	Cyclic Response of Footing with Embedment Depth on Multi-Layered Geocell-Reinforced Bed. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 44, 022015.	0.3	1
29	Analysis of Laser Welds on Steel Processed by Q P Process. , 2015, , .		1
30	The Effect of a Rubber Sheet on the Dynamic Response of a Machine Foundation Located over a Small Thickness of Soil Layer. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 906, 012044.	0.3	1
31	Evaluation of the Effect of Varying the Angle of Asphaltic Concrete Core on the Behavior of the Meijaran Rockfill Dam. <i>Coatings</i> , 2022, 12, 720.	2.6	1
32	Performance Evaluation of Pavements Constructed on EPS Geofoam Backfill Using Repeated Plate Load. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 221, 012007.	0.3	0
33	Behaviour of multi layered geocell reinforced bed subjected to repeated load. , 2016, , .		0
34	The Experimental Investigation of the Repeated-Loading Behaviour of the Sand-Rubber-Mixture (SRM). <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 906, 012045.	0.3	0