Omid Khalaj

List of Publications by Year
in descending order

34	484	1040056 9	713466 21
papers	citations	h-index	g-index

34	34	34	270
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of the Effect of Varying the Angle of Asphaltic Concrete Core on the Behavior of the Meijaran Rockfill Dam. Coatings, 2022, 12, 720.	2.6	1
2	Potential role of machine learning techniques for modeling the hardness of OPH steels. Materials Today Communications, 2021, 26, 101806.	1.9	9
3	Hot Rolling vs. Forging: Newly Developed Fe-Al-O Based OPH Alloy. Metals, 2021, 11, 228.	2.3	7
4	Development of Machine Learning Models to Evaluate the Toughness of OPH Alloys. Materials, 2021, 14, 6713.	2.9	3
5	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
6	The Effect of a Rubber Sheet on the Dynamic Response of a Machine Foundation Located over a Small Thickness of Soil Layer. IOP Conference Series: Earth and Environmental Science, 2021, 906, 012044.	0.3	1
7	The Experimental Investigation of the Repeated-Loading Behaviour of the Sand-Rubber-Mixture (SRM). IOP Conference Series: Earth and Environmental Science, 2021, 906, 012045.	0.3	0
8	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
9	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
10	The Effect of Heat Treatment on the Tribological Properties and Room Temperature Corrosion Behavior of Feâ€“Crâ€“Al-Based OPH Alloy. Materials, 2020, 13, 5465.	2.9	5
11	High Temperature and Corrosion Properties of A Newly Developed Fe-Al-O Based OPH Alloy. Metals, 2020, 10, 167.	2.3	6
12	Performance Evaluation of Pavements Constructed on EPS Geofoam Backfill Using Repeated Plate Load. IOP Conference Series: Earth and Environmental Science, 2019, 221, 012007.	0.3	0
13	Microstructure Evolution in ODS Alloys with a High-Volume Fraction of Nano Oxides. Metals, 2018, 8, 1079.	2.3	29
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	Microstructure Evaluation of New ODS Alloys with Fe-Al Matrix and Al2O3 Particles. , 2017, , .		3
16	Laboratory Investigation of Buried Pipes Using Geogrid and EPS Geofoam Block. IOP Conference Series: Earth and Environmental Science, 2017, 95, 022002.	0.3	5
17	Influence of thermomechanical treatment on the grain-growth behaviour of new Fe-Al based alloys with fine Al2O3 precipitates. Materiali in Tehnologije, 2017, 51, 759-768.	0.5	11
18	Cyclic Response of Footing with Embedment Depth on Multi-Layered Geocell-Reinforced Bed. IOP Conference Series: Earth and Environmental Science, 2016, 44, 022015.	0.3	1

#	Article	IF	Citations
19	Behaviour of new ODS alloys under single and multiple deformation. Materiali in Tehnologije, 2016, 50, 891-898.	0.5	12
20	Behaviour of multi layered geocell reinforced bed subjected to repeated load. , 2016, , .		0
21	Repeated Load Response of Soil Reinforced by Two Layers of Geocell. Procedia Earth and Planetary Science, 2015, 15, 99-104.	0.6	5
22	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
23	Investigation on new creep- and oxidation-resistant materials. Materiali in Tehnologije, 2015, 49, 645-651.	0.5	7
24	Analysis of Laser Welds on Steel Processed by Q P Process. , 2015, , .		1
25	Repeated loading of soil containing granulated rubber and multiple geocell layers. Geotextiles and Geomembranes, 2014, 42, 25-38.	4.6	84
26	Pilot-scale load tests of a combined multilayered geocell and rubber-reinforced foundation. Geosynthetics International, 2013, 20, 143-161.	2.9	63
27	Experimental study of a shallow strip footing on geogrid-reinforced sand bed above a void. Geosynthetics International, 2011, 18, 178-195.	2.9	25
28	Analysis of repeated-load laboratory tests on buried plastic pipes in sand. Soil Dynamics and Earthquake Engineering, 2011, 31, 1-15.	3.8	32
29	Laboratory tests of small-diameter HDPE pipes buried in reinforced sand under repeated-load. Geotextiles and Geomembranes, 2008, 26, 145-163.	4.6	84
30	Microstructural and Hardness Evolution of New Developed OPH Steels. Solid State Phenomena, 0, 294, 92-97.	0.3	2
31	Corrosion Behavior and Mechanical Properties of New Developed Oxide Precipitation Hardened Steels. Key Engineering Materials, 0, 846, 87-92.	0.4	2
32	Annealing Effects on the Microstructure and Thermomechanical Properties of New-Generation ODS Alloys. Key Engineering Materials, 0, 834, 67-74.	0.4	3
33	Assessment the Role of Expanded-Polysterene Block and Grogrid Layer on Behavior of Buried Pipeline. IOP Conference Series: Earth and Environmental Science, 0, 609, 012014.	0.3	2
34	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