Mahdi Salimi

List of Publications by Year
in descending order

31	847	623734 14	713466 21
papers	citations	h-index	g-index

31	31	31	612
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strength and post-freeze-thaw behavior of a marl soil modified by lignosulfonate and polypropylene fiber: An environmentally friendly approach. Construction and Building Materials, 2022, 332, 127364.	7.2	29
2	Assessing the impact of GBFS on mechanical behaviour and microstructure of soft clay. International Journal of Geotechnical Engineering, 2021, 15, 327-337.	2.0	16
3	Evaluation of pozzolanic Portland cement as geotechnical stabilizer of a dispersive clay. International Journal of Geotechnical Engineering, 2021, 15, 504-511.	2.0	16
4	Incorporation of Volcanic Ash for Enhanced Treatment of a Cement-Stabilized Clayey Soil. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	23
5	Effect of electric arc and ladle furnace slags on the strength and swelling behavior of cement-stabilized expansive clay. Bulletin of Engineering Geology and the Environment, 2021, 80, 6303-6320.	3.5	16
6	Effect of water quality on the filtration of dispersive base soils. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	2
7	Application of the dynamic cone penetrometer test for determining the geotechnical characteristics of marl soils treated by lime. Heliyon, 2021, 7, e08062.	3.2	13
8	Stabilization treatment of Na-montmorillonite with binary mixtures of lime and steelmaking slag. International Journal of Geotechnical Engineering, 2020, 14, 295-301.	2.0	24
9	Mechanical and compressibility characteristics of a soft clay stabilized by slag-based mixtures and geopolymers. Applied Clay Science, 2020, 184, 105390.	5.2	97
10	An experimental evaluation of electroosmosis treatment effect on the mechanical and chemical behavior of expansive soils. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	11
11	Contact erosional behaviour of foundation of pavement embankment constructed with nanosilica-treated dispersive soils. Soils and Foundations, 2020, 60, 167-178.	3.1	23
12	Effect of freeze-thaw cycles on characteristics of marl soils treated by electroosmosis application. Cold Regions Science and Technology, 2019, 167, 102861.	3.5	16
13	Effect of Selected Nanospheres on the Mechanical Strength of Lime-Stabilized High-Plasticity Clay Soils. Advances in Civil Engineering, 2019, 2019, 1-11.	0.7	24
14	Reducing the negative impact of freezing and thawing cycles on marl by means of the electrokinetical injection of calcium chloride. Cold Regions Science and Technology, 2019, 157, 196-205.	3.5	15
15	A modular transformerless DC-DC step-up converter with very high voltage gain and adjustable switch stress. EPE Journal (European Power Electronics and Drives Journal), 2018, 28, 75-88.	0.7	6
16	Treatment of highly dispersive clay by lignosulfonate addition and electroosmosis application. Applied Clay Science, 2018, 152, 1-8.	5.2	48
17	Artificial Neural-Network-Based Maximum Power Point Tracking for Photovoltaic Pumping System Using Backstepping Controller. , 2018, , .		1
18	Internal erosional behaviour of dispersive clay stabilized with lignosulfonate and reinforced with polypropylene fiber. Construction and Building Materials, 2018, 193, 405-415.	7.2	57

#	Article	IF	Citations
19	Experimental design of the adaptive backstepping control technique for singleâ€phase shunt active power filters. IET Power Electronics, 2017, 10, 911-918.	2.1	40
20	Maximum power point tracking of photovoltaic systems using backstepping controller. , 2017, , .		5
21	Robust control of the DC-DC Ät‡uk converter in discontinuous conduction mode. , 2016, , .		1
22	Enhanced stabilization of highly expansive clays by mixing cement and silica fume. Applied Clay Science, 2016, 132-133, 675-684.	5.2	119
23	Cascade nonlinear control of DC-DC buck/boost converter using exact feedback linearization. , 2015, , .		15
24	Closed-Loop control of DC-DC buck converters based on exact feedback linearization. , 2015, , .		15
25	Sliding-mode control of the DC-DC flyback converter in discontinuous conduction mode. , 2015, , .		4
26	Stabilization treatment of a dispersive clayey soil using granulated blast furnace slag and basic oxygen furnace slag. Applied Clay Science, 2015, 108, 61-69.	5.2	130
27	Hyperâ€plane sliding mode control of the DCâ€“DC buck/boost converter in continuous and discontinuous conduction modes of operation. IET Power Electronics, 2015, 8, 1473-1482.	2.1	50
28	7-level cascade multilevel inverter using a single DC source and minimum THD of Output Voltage. , 2015, , .		1
29	Passivity-based control of the DC-DC buck converters in high-power applications. , 2014, , .		6
30	Two-loop adaptive and nonlinear control of the DC-DC boost converter in Discontinuous Conduction Mode. , 2013, , .		5
31	Sliding mode control of the DC-DC flyback converter with zero steady-state error. , 2013, , .		19