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	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
2	Enhanced stabilization of highly expansive clays by mixing cement and silica fume. Applied Clay Science, 2016, 132-133, 675-684.	5.2	119
3	Mechanical and compressibility characteristics of a soft clay stabilized by slag-based mixtures and geopolymers. Applied Clay Science, 2020, 184, 105390.	5.2	97
4	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
5	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
6	Treatment of highly dispersive clay by lignosulfonate addition and electroosmosis application. Applied Clay Science, 2018, 152, 1-8.	5.2	48
7	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
8	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
9	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
10	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
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	Incorporation of Volcanic Ash for Enhanced Treatment of a Cement-Stabilized Clayey Soil. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	23
13	Sliding mode control of the DC-DC flyback converter with zero steady-state error. , 2013, , .		19
14	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
15	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
16	Evaluation of pozzolanic Portland cement as geotechnical stabilizer of a dispersive clay. International Journal of Geotechnical Engineering, 2021, 15, 504-511.	2.0	16
17	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
18	Cascade nonlinear control of DC-DC buck/boost converter using exact feedback linearization. , 2015, , .		15

#	Article	IF	Citations
19	Closed-Loop control of DC-DC buck converters based on exact feedback linearization. , 2015, , .		15
20	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
21	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
22	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
23	Passivity-based control of the DC-DC buck converters in high-power applications. , 2014, , .		6
24	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
25	Two-loop adaptive and nonlinear control of the DC-DC boost converter in Discontinuous Conduction Mode. , 2013, , .		5
26	Maximum power point tracking of photovoltaic systems using backstepping controller. , 2017, , .		5
27	Sliding-mode control of the DC-DC flyback converter in discontinuous conduction mode. , 2015, , .		4
28	Effect of water quality on the filtration of dispersive base soils. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	2
29	7-level cascade multilevel inverter using a single DC source and minimum THD of Output Voltage. , 2015, , .		1
30	Robust control of the DC-DC Ätuk converter in discontinuous conduction mode. , 2016, , .		1
31	Artificial Neural-Network-Based Maximum Power Point Tracking for Photovoltaic Pumping System Using Backstepping Controller. , 2018, , .		1