

Monica Prezzi

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,631
citations

331670

21
h-index

302126

39
g-index

53
all docs

53
docs citations

53
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical, Mineralogical, and Morphological Properties of Steel Slag. <i>Advances in Civil Engineering</i> , 2011, 2011, 1-13.	0.7	357
2	Geotechnical Properties of Fly and Bottom Ash Mixtures for Use in Highway Embankments. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005, 131, 914-924.	3.0	272
3	Effect of Surface Roughness on the Shaft Resistance of Displacement Model Piles in Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	64
4	Geotechnical Properties of Fresh and Aged Basic Oxygen Furnace Steel Slag. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	2.9	63
5	Construction of an Embankment with a Fly and Bottom Ash Mixture: Field Performance Study. <i>Journal of Materials in Civil Engineering</i> , 2009, 21, 271-278.	2.9	55
6	Shaft Resistance and Setup Factors for Piles Jacked in Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	3.0	55
7	Analysis of shaft resistance of jacked piles in sands. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2011, 35, 1605-1635.	3.3	51
8	Assessment of the Axial Load Response of an H Pile Driven in Multilayered Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 1789-1804.	3.0	47
9	Load Testing of a Closed-Ended Pipe Pile Driven in Multilayered Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 463-473.	3.0	43
10	Experimental evaluation of EAF ladle steel slag as a geo-fill material: Mineralogical, physical & mechanical properties. <i>Construction and Building Materials</i> , 2017, 154, 23-33.	7.2	39
11	Axial Resistance of Closed-Ended Steel-Pipe Piles Driven in Multilayered Soil. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	3.0	36
12	Comparison of the load response of closed-ended and open-ended pipe piles driven in gravelly sand. <i>Acta Geotechnica</i> , 2019, 14, 1785-1803.	5.7	34
13	Variational elastic solution for axially loaded piles in multilayered soil. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013, 37, 423-440.	3.3	32
14	Pullout Response of Uniaxial Geogrid in Tire Shredâ€“Sand Mixtures. <i>Geotechnical and Geological Engineering</i> , 2014, 32, 505-523.	1.7	32
15	Interaction of Ribbed-Metal-Strip Reinforcement with Tire Shredâ€“Sand Mixtures. <i>Geotechnical and Geological Engineering</i> , 2010, 28, 147-163.	1.7	31
16	Strain Influence Diagrams for Settlement Estimation of Both Isolated and Multiple Footings in Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 417-427.	3.0	30
17	Instrumented Static Load Test on Rock-Socketed Micropile. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 2037-2047.	3.0	30
18	Large-scale direct shear testing of geogrid-reinforced aggregate base over weak subgrade. <i>International Journal of Pavement Engineering</i> , 2019, 20, 649-658.	4.4	29

#	ARTICLE	IF	CITATIONS
19	Axial resistance of open-ended pipe pile driven in gravelly sand. <i>Geotechnique</i> , 2020, 70, 138-152.	4.0	29
20	Instrumentation and axial load testing of displacement piles. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2014, 167, 238-252.	1.6	27
21	Modeling of Installation and Quantification of Shaft Resistance of Drilled-Displacement Piles in Sand. <i>International Journal of Geomechanics</i> , 2014, 14, 214-229.	2.7	25
22	Physical Modeling of Cone Penetration in Layered Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	23
23	Analysis of Axial Loading of Pile Groups in Multilayered Elastic Soil. <i>International Journal of Geomechanics</i> , 2016, 16, .	2.7	16
24	Energy-Based Solutions for Nondisplacement Piles Subjected to Lateral Loads. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	16
25	Subgrade stabilisation mixtures with EAF steel slag: an experimental study followed by field implementation. <i>International Journal of Pavement Engineering</i> , 2022, 23, 1754-1767.	4.4	16
26	Effect of particle characteristics on the evolution of particle size, particle morphology, and fabric of sands loaded under uniaxial compression. <i>Acta Geotechnica</i> , 2021, 16, 3489-3516.	5.7	16
27	Response of Laterally Loaded Rectangular and Circular Piles in Soils with Properties Varying with Depth. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	3.0	14
28	Matric suction measurements of compacted subgrade soils. <i>Road Materials and Pavement Design</i> , 2015, 16, 358-378.	4.0	14
29	Shaft Resistance of Drilled Shafts in Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 548-563.	3.0	13
30	Laboratory Study of the Effect of Pile Surface Roughness on the Response of Soil and Non-Displacement Piles. , 2017, , .		12
31	Quality assurance and quality control of subgrade compaction using the dynamic cone penetrometer. <i>International Journal of Pavement Engineering</i> , 2018, 19, 966-975.	4.4	12
32	Static Capacity of Closed-Ended Pipe Pile Driven in Gravelly Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	11
33	Effect of Base Geometry on the Resistance of Model Piles in Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	11
34	Application of High-Resolution Terrestrial Laser Scanning to Monitor the Performance of Mechanically Stabilized Earth Walls with Precast Concrete Panels. <i>Journal of Performance of Constructed Facilities</i> , 2019, 33, .	2.0	10
35	Use of Recyclable Materials in Sustainable Civil Engineering Applications. <i>Advances in Civil Engineering</i> , 2011, 2011, 1-2.	0.7	8
36	Lateral load response of large-diameter monopiles in sand. <i>Geotechnique</i> , 2022, 72, 1035-1050.	4.0	8

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37	Study on laterally loaded piles with rectangular and circular cross sections. Geomechanics and Geoengineering, 2015, 10, 139-152.	1.8	7
38	Finite-Element Analysis of the Lateral Load Response of Monopiles in Layered Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	7
39	Closure to "Effects of Interface Roughness, Particle Geometry, and Gradation on the Sand-Steel Interface Friction Angle" by Fei Han, Eshan Ganju, Rodrigo Salgado, and Monica Prezzi. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, 07019017.	3.0	6
40	Experimental investigation of matric suction in compacted fine-grained soils. International Journal of Pavement Engineering, 2019, 20, 53-60.	4.4	5
41	A new framework for analysis of laterally loaded piles. Journal of Geo-Engineering Sciences, 2013, 1, 53-67.	0.3	5
42	Strain Influence Diagrams for Settlement Estimation of Square Footings on Layered Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	5
43	Closure to "Instrumented Static Load Test on Rock-Socketed Micropile" by Hoyoung Seo, Monica Prezzi, and Rodrigo Salgado. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, 07015003.	3.0	1
44	Compaction and Shear Strength Behavior of Fresh and Aged Basic Oxygen Furnace (BOF) Steel Slag. , 2016, , .		1
45	Closure to "Shaft Resistance of Drilled Shafts in Clay" by Tanusree Chakraborty, Rodrigo Salgado, Prasenjit Basu, and Monica Prezzi. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, 07014015.	3.0	0
46	Closure to "Shaft Resistance and Setup Factors for Piles Jacked in Clay" by Prasenjit Basu, Monica Prezzi, Rodrigo Salgado, and Tanusree Chakraborty. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, 07015005.	3.0	0
47	Closure to "Static Capacity of Closed-Ended Pipe Pile Driven in Gravelly Sand" by Eshan Ganju, Fei Han, Monica Prezzi, and Rodrigo Salgado. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, 07021015.	3.0	0
48	Monitoring of the Response of the Sagamore Parkway Bridge and its Foundations During a Live Load Test. Transportation Research Record, 2021, 2675, 358-366.	1.9	0
49	Experimental Study of the Effect of Two Base Geometries on the Resistance of Model Piles in Sand. , 2022, , .		0
50	Estimation of Optimal Spacing between CPT Soundings. , 2022, , .		0