

Cristina Tsuha

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

773
citations

623574

14
h-index

526166

27
g-index

42
all docs

42
docs citations

42
times ranked

373
citing authors

#	ARTICLE	IF	CITATIONS
1	Sand grain crushing and interface shearing during displacement pile installation in sand. <i>Geotechnique</i> , 2010, 60, 469-482.	2.2	171
2	Behaviour of displacement piles in sand under cyclic axial loading. <i>Soils and Foundations</i> , 2012, 52, 393-410.	1.3	92
3	Evaluation of the efficiencies of helical anchor plates in sand by centrifuge model tests. <i>Canadian Geotechnical Journal</i> , 2012, 49, 1102-1114.	1.4	73
4	Relationship between installation torque and uplift capacity of deep helical piles in sand. <i>Canadian Geotechnical Journal</i> , 2010, 47, 635-647.	1.4	71
5	Numerical and experimental study on influence of installation effects on behaviour of helical anchors in very dense sand. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1067-1080.	1.4	50
6	A review on the behavior of helical piles as a potential offshore foundation system. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 1013-1036.	1.2	43
7	Field and model investigations into the influence of age on axial capacity of displacement piles in silica sands. <i>Geotechnique</i> , 2015, 65, 576-589.	2.2	32
8	Scale effect in centrifuge tests of helical anchors in sand. <i>International Journal of Physical Modelling in Geotechnics</i> , 2016, 16, 185-196.	0.5	29
9	Helical piles in unsaturated structured soil: a case study. <i>Canadian Geotechnical Journal</i> , 2016, 53, 103-117.	1.4	27
10	Pipe-pipe thermal interaction in a geothermal energy pile. <i>Geothermics</i> , 2019, 81, 209-223.	1.5	22
11	Physical modelling of helical pile anchors. <i>International Journal of Physical Modelling in Geotechnics</i> , 2007, 7, 01-12.	0.5	19
12	Discussion of "Field investigation of the axial resistance of helical piles in dense sand". <i>Canadian Geotechnical Journal</i> , 2015, 52, 1190-1194.	1.4	14
13	Cyclic and post-cyclic monotonic response of a single-helix anchor in sand. <i>Geotechnique Letters</i> , 2017, 7, 11-17.	0.6	14
14	Estimation of Uplift Capacity and Installation Power of Helical Piles in Sand for Offshore Structures. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2018, 144, .	0.5	14
15	Centrifuge modelling of a helical anchor under different cyclic loading conditions in sand. <i>International Journal of Physical Modelling in Geotechnics</i> , 2019, 19, 72-88.	0.5	14
16	Serviceability Performance Evaluation of Helical Piles under Uplift Loading. <i>Journal of Performance of Constructed Facilities</i> , 2016, 30, .	1.0	13
17	Effects of seasonal variations on the thermal response of energy piles in an unsaturated Brazilian tropical soil. <i>Energy and Buildings</i> , 2020, 216, 109971.	3.1	13
18	Monotonic, cyclic and post-cyclic performances of single-helix anchor in residual soil of sandstone. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2019, 11, 824-836.	3.7	9

#	ARTICLE	IF	CITATIONS
19	Performance Evaluation of a Collapsible Soil Reinforced with Compacted Lateritic Soil Columns. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	1.5	9
20	Parametric analysis for the estimation of the installation power for large helical piles in dry cohesionless soils. International Journal of Geotechnical Engineering, 2020, 14, 569-579.	1.1	8
21	A sensitivity analysis on the parameters affecting large diameter helical pile installation torque, depth and installation power for offshore applications. DFI Journal, 2018, 12, 171-185.	0.2	6
22	Uplift performance of helical piles with cement injection in residual soils. Canadian Geotechnical Journal, 2020, 57, 1335-1355.	1.4	6
23	Briefing: Compacted soil columns for collapsible lateritic soil improvement. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2017, 170, 186-192.	0.7	4
24	Experimental investigation on the installation and loading performance of model-scale deep helical piles in very dense sand. Canadian Geotechnical Journal, 2021, 58, 1379-1395.	1.4	4
25	Determination of SPT End Bearing and Side Friction Resistances Using Static Uplift Tests. Geotechnical Testing Journal, 2016, 39, 20160025.	0.5	3
26	Review of torque models for offshore helical piles. E3S Web of Conferences, 2020, 205, 12007.	0.2	2
27	A new approach to estimate the bearing capacity of driven piles. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	1
28	Corrosion evaluation of helical steel piles in unsaturated tropical soils: a case study. Canadian Geotechnical Journal, 2022, 59, 773-782.	1.4	1
29	Conceptual techniques for full-scale physical modeling of pressed-in pile behavior. , 2010, , 841-846.		1
30	Piles under cyclic and dynamic loads Far-field seismic soil-pile-raft interaction in normally consolidated kaolin clay. , 2010, , 931-936.		1
31	Site characterization for a study on shallow geothermal energy exploitation in Southern Brazil. Soils and Rocks, 2022, 45, 1-13.	0.2	1
32	Numerical study on heat transfer performance of geothermal piles in a Brazilian sandy soil. Soils and Rocks, 2022, 45, 1-12.	0.2	1
33	Thermal design of energy piles for a hotel building in subtropical climate: a case study in São Paulo, Brazil. Soils and Rocks, 2022, 45, 1-14.	0.2	1
34	Inlet and Outlet Pipe Heat Interaction in a Contiguous Flight Auger (CFA) Pile. Springer Series in Geomechanics and Geoengineering, 2019, , 113-122.	0.0	0
35	Closure to discussion – a review on the behavior of helical piles as a potential offshore foundation system. Marine Georesources and Geotechnology, 2020, 38, 1118-1120.	1.2	0
36	<i>Correction:</i> Evaluation of the efficiencies of helical anchor plates in sand by centrifuge model tests. Canadian Geotechnical Journal, 2020, 57, 783-783.	1.4	0

#	ARTICLE	IF	CITATIONS
37	Thermal properties of a tropical unsaturated soil. MATEC Web of Conferences, 2021, 337, 01019.	0.1	0
38	A Procedure to Estimate the Installation Torque of Multi-helix Piles in Clayey Sand Using SPT Data. International Journal of Civil Engineering, 2021, 19, 1357-1368.	0.9	0