

CITATION REPORT

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A framework for understanding energy pile behaviour

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#	Paper	IF	Citations
81	Editorial. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2013 , 166, 96-98	0.9	
80	Editorial. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2013 , 166, 519-521	0.9	
79	Pile heat exchangers: thermal behaviour and interactions. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2013 , 166, 178-196	0.9	46
78	Thermally Induced Long-Term Displacement of Thermoactive Piles. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 06014003	3.4	63
77	Evaluation of thermo-mechanical behaviour of composite energy piles during heating/cooling operations. <i>Engineering Structures</i> , 2014 , 75, 363-373	4.7	28
76	Review of analytical models for heat transfer by vertical ground heat exchangers (GHEs): A perspective of time and space scales. <i>Applied Energy</i> , 2015 , 151, 178-191	10.7	184
75	Near-field ground thermal response to heating of a geothermal energy pile: Observations from a field test. <i>Soils and Foundations</i> , 2015 , 55, 1412-1426	2.9	32
74	Posttemperature Effects on Shaft Capacity of a Full-Scale Geothermal Energy Pile. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015 , 141, 04014125	3.4	69
73	The Thermal Behaviour of Three Different Auger Pressure Grouted Piles Used as Heat Exchangers. <i>Geotechnical and Geological Engineering</i> , 2015 , 33, 273-289	1.5	19
72	Model tests of energy piles with and without a vertical load. <i>Environmental Geotechnics</i> , 2016 , 3, 203-213	1.2	22
71	Non-uniform thermal strains and stresses in energy piles. <i>Environmental Geotechnics</i> , 2016 , 3, 237-252	1.2	41
70	Numerical investigation of the mechanical behaviour of single energy piles and energy pile groups. 2016 , 569-575		4
69	Soil-pile thermal interactions in energy foundations. <i>Geotechnique</i> , 2016 , 66, 167-171	3.4	48
68	Impact of Temperature Variations on the Hydro-Mechanical Parameters of a Sensitive Soil. 2016 ,		
67	Thermomechanical Response of Geothermal Energy Pile Groups in Sand. <i>International Journal of Geomechanics</i> , 2016 , 16, 04015100	3.1	31
66	On the understanding of cyclic interaction mechanisms in an energy pile group. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2016 , 40, 3-24	4	32
65	Effect of End-Restraint Conditions on Energy Pile Behavior. 2017 ,		6

64	Pressuremeter test parameters of a compacted illitic soil under thermal cycling. <i>Acta Geotechnica</i> , 2017 , 12, 1105-1118	4.9	5
63	Numerical modelling of thermo-active piles in London Clay. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2017 , 170, 201-219	0.9	45
62	Displacement response of an energy pile in saturated clay. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2018 , 171, 285-294	0.9	12
61	Model tests on thermo-mechanical behavior of an improved energy pile. <i>European Journal of Environmental and Civil Engineering</i> , 2018 , 22, 1257-1272	1.5	10
60	Performance-based Design of Energy Pile Foundations. <i>DFI Journal</i> , 2018 , 12, 94-107		11
59	Thermomechanical Behavior of Energy Pile Embedded in Sandy Soil. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-11	1.1	1
58	Axial and Radial Thermal Responses of a Field-Scale Energy Pile under Monotonic and Cyclic Temperature Changes. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018 , 144, 04018072	3.4	54
57	Thermo-mechanical behaviour of floating energy pile groups in sand. <i>Journal of Zhejiang University: Science A</i> , 2018 , 19, 638-649	2.1	15
56	Numerical Investigation of the Thermo-Mechanical Response of Single Energy Pile. 2018 ,		1
55	Thermo-mechanical Schemes for Energy Piles. <i>Springer Series in Geomechanics and Geoengineering</i> , 2019 , 218-225	0.1	9
54	Effects of Cyclic Temperature Variations on Thermal Response of an Energy Pile under a Residential Building. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 04019066	2.4	23
53	Investigation of Thermal Loading Effects on Shaft Resistance of Energy Pile Using Laboratory-Scale Model. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 04019043	3.4	13
52	Influence of thermal cycles on the deformation of soil-pile interface in energy piles. <i>E3S Web of Conferences</i> , 2019 , 92, 13004	0.5	4
51	A novel energy pile: The thermo-syphon helical pile. <i>Applied Thermal Engineering</i> , 2019 , 159, 113882	5.8	3
50	Fundamentals of the coupled thermo-hydro-mechanical behaviour of thermo-active retaining walls. <i>Computers and Geotechnics</i> , 2019 , 109, 189-203	4.4	15
49	Temperature Distributions inside Concrete Sections of Renewable Energy Storage Pile Foundations. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4776	2.6	3
48	A review of pile-soil interactions in isolated, thermally-activated piles. <i>Computers and Geotechnics</i> , 2019 , 108, 61-74	4.4	22
47	Axial and radial thermal responses of energy pile under six storey residential building. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 1019-1033	3.2	15

46	Thermally-activated piles and pile groups under monotonic and cyclic thermal loading: A review. <i>Renewable Energy</i> , 2020 , 147, 2572-2581	8.1	23
45	Synthesis of a benchmark exercise for geotechnical analysis of a thermoactive pile. <i>Environmental Geotechnics</i> , 2020 , 7, 225-236	1.2	5
44	The role of thermal loads in the performance-based design of energy piles. <i>Geomechanics for Energy and the Environment</i> , 2020 , 21, 100153	3.7	14
43	Field tests on thermal response characteristics of micro-steel-pipe pile under multiple temperature cycles. <i>Renewable Energy</i> , 2020 , 147, 1098-1106	8.1	11
42	The role of concrete creep under sustained loading, during thermo-mechanical testing of energy piles. <i>Computers and Geotechnics</i> , 2020 , 118, 103309	4.4	5
41	Effect of stress history of saturated clay on engineering behaviour of an energy pile. <i>Environmental Geotechnics</i> , 2020 , 1-10	1.2	2
40	Analytical modelling of capacity and deformation of single energy piles. 2020 , 457-565		
39	Thermomechanical behaviour of single energy piles. 2020 , 271-298		
38	Group Pile Effect on Temperature Distributions inside Energy Storage Pile Foundations. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6597	2.6	1
37	A practical method for calculating thermally-induced stresses in pile foundations used as heat exchangers. <i>Computers and Geotechnics</i> , 2020 , 126, 103743	4.4	1
36	Interactions of an Energy Pile with Several Traditional Piles in a Row. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 06020002	3.4	19
35	Analytical Solutions for Thermomechanical Soil Structure Interaction in End-Bearing Energy Piles. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 04020047	3.4	5
34	Thermomechanical properties of sand-structure interface using temperature-controlled triaxial instrument. <i>Canadian Geotechnical Journal</i> , 2021 , 58, 248-260	3.2	1
33	Thermal induced horizontal earth pressure changes of pipe energy piles under multiple heating cycles. <i>Geomechanics for Energy and the Environment</i> , 2021 , 26, 100228	3.7	2
32	Thermal strain response of saturated clays in 1D condition. <i>Journal of Zhejiang University: Science A</i> , 2021 , 22, 182-187	2.1	1
31	Practical approaches for implementation of energy piles in Iran based on the lessons learned from the developed countries experiences. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 140, 110748	16.2	3
30	Effects of End Restraints on Thermo-Mechanical Response of Energy Piles. 2021 ,		0
29	Thermomechanical Soil-Structure Interaction in Single Energy Piles Exhibiting Reversible Interface Behavior. <i>International Journal of Geomechanics</i> , 2021 , 21, 04021065	3.1	15

28	Effects of Axial Load on the Location of a Combined Null Point in Energy Piles. 2021 ,		
27	Improvement on the Calculation of Heat Transfer Rate for a New Type of Geothermal Energy Pile. 2021 ,		
26	Calculation of the representative temperature change for the thermomechanical design of energy piles. <i>Geomechanics for Energy and the Environment</i> , 2021 , 29, 100264	3.7	1
25	Thermomechanical characteristics of an energy pile-raft foundation under heating operations. <i>Renewable Energy</i> , 2021 , 175, 580-592	8.1	0
24	A practical method to design thermally-stressed piles. <i>Geotechnique</i> , 1-48	3.4	
23	Thermomechanical behaviour of an energy pile-raft foundation under intermittent cooling operation. <i>Geomechanics for Energy and the Environment</i> , 2021 , 28, 100240	3.7	1
22	Thermo-mechanical behavior of a full-scale energy pile equipped with a spiral pipe configuration. <i>Canadian Geotechnical Journal</i> ,	3.2	5
21	Experimental and Numerical Study of the Thermo-Mechanical Behaviour of Energy Piles for Belgian Practice. <i>Springer Series in Geomechanics and Geoengineering</i> , 2017 , 405-412	0.1	3
20	Energy geostructures: Theory and application. <i>E3S Web of Conferences</i> , 2020 , 205, 01004	0.5	2
19	Factors Affecting Energy Pile Efficiency. <i>Soil Mechanics and Foundation Engineering</i> , 2021 , 58, 302	0.7	
18	THE ANALYSIS OF THE DIRECT FOUNDATION WITH ENERGY FOUNDATIONS ON THE BASIS OF THE OFFICE BUILDING 4 BUSINESS PARK IN KATOWICE AT FRANCUSKA STREET. <i>Architecture Civil Engineering Environment</i> , 2016 , 9, 65-76	0.4	0
17	Numerical Prediction of Thermo-Mechanical Behavior of Energy Pile in Pyroclastic Soil. <i>Sustainable Civil Infrastructures</i> , 2020 , 89-107	0.2	0
16	Analysis of barrette foundations subjected to mechanical and thermal loads. <i>Geomechanics for Energy and the Environment</i> , 2022 , 100333	3.7	0
15	CFD investigation of flow in scour protection around a mono-pile with the volume-averaged k- ϵ model. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 1-20	1.5	0
14	Field tests on the thermomechanical responses of PHC energy piles under cooling and loading conditions. <i>Acta Geotechnica</i> , 1	4.9	
13	Experimental study on thermo-mechanical responses of pre-bored grouted planted piles with different restraint conditions. <i>Energy and Buildings</i> , 2022 , 112232	7	
12	Effects of internal airflows on the heat exchange potential and mechanics of energy walls. 2022 , 197, 1069-1080		0
11	Analytical Solutions for Thermomechanical Soil-Structure Interaction in Single Semifloating Energy Piles Embedded in a Layered Soil Profile. 2022 , 148,		0

10	Thermomechanical Behaviors of an Energy PileRaft Foundation under Intermittent Operation with Forced Heat Recharge. 2022 , 22,	0
9	Experimental study on thermal-mechanical properties of energy pile in saturated clay foundation. 2022 , 39, 85-92	0
8	Thermo-mechanical behaviour of energy piles in overconsolidated clay under various mechanical loading levels and thermal cycles. 2022 ,	1
7	Thermo-hydro-mechanical behavior of energy foundations in saturated glacial tills. 2023 , 108, 102614	0
6	Performance of a Belled Pile Influenced by Pile Head Freedom Response to a CoolingHeating Cycle. 2023 , 149,	0
5	A Simple Method for Predicting the Response of Single Energy Pile Considering Temperature Variation of PileSoil Interface. 2023 , 23,	0
4	Laboratory investigations on the thermo-mechanical behaviour of an energy pile group operated in heat release mode. 2023 , 109, 102645	0
3	Experimental study on thermomechanical behavior of energy piles in sands with different relative densities. 2023 , 403, 136867	0
2	Influence of a rigid cap on thermo-mechanical behavior of nonsymmetrical thermally loaded energy pile group in clay.	0
1	Energy Geostructures. 2023 , 67-102	0