Fleur A Loveridge

List of Publications by Year
in descending order

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35 papers	1,111 citations	394286 19 h-index	434063 31 g-index
37 all docs	37 docs citations	37 times ranked	556 citing authors

#	Article	IF	Citations
1	Influences on the thermal efficiency of energy piles. Energy, 2015, 82, 1021-1033.	4.5	116
2	Temperature response functions (G-functions) for single pile heat exchangers. Energy, 2013, 57, 554-564.	4.5	101
3	2D thermal resistance of pile heat exchangers. Geothermics, 2014, 50, 122-135.	1.5	81
4	Analysis and design methods for energy geostructures. Renewable and Sustainable Energy Reviews, 2016, 65, 402-419.	8.2	79
5	Energy geostructures: A review of analysis approaches, in situ testing and model scale experiments. Geomechanics for Energy and the Environment, 2020, 22, 100173.	1.2	79
6	Characterisation of Ground Thermal and Thermo-Mechanical Behaviour for Shallow Geothermal Energy Applications. Energies, 2017, 10, 2044.	1.6	71
7	Failures in transport infrastructure embankments. Engineering Geology, 2017, 219, 107-117.	2.9	68
8	Pile heat exchangers: thermal behaviour and interactions. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2013, 166, 178-196.	0.9	59
9	G-Functions for multiple interacting pile heat exchangers. Energy, 2014, 64, 747-757.	4.5	47
10	Comparison of two different models for pile thermal response test interpretation. Acta Geotechnica, 2014, 9, 367-384.	2.9	46
11	The impact of climate and climate change on infrastructure slopes, with particular reference to southern England. Quarterly Journal of Engineering Geology and Hydrogeology, 2010, 43, 461-472.	0.8	45
12	A comparison of laboratory and in situ methods to determine soil thermal conductivity for energy foundations and other ground heat exchanger applications. Acta Geotechnica, 2015, 10, 209-218.	2.9	41
13	Energy performance of diaphragm walls used as heat exchangers. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2017, 170, 232-245.	0.9	41
14	Thermal response testing through the Chalk aquifer in London, UK. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2013, 166, 197-210.	0.9	27
15	The future role of energy geostructures in fifth generation district heating and cooling networks. Energy, 2022, 240, 122481.	4.5	26
16	Comparing heat flow models for interpretation of precast quadratic pile heat exchanger thermal response tests. Energy, 2018, 145, 721-733.	4.5	23
17	Thermal Response Testing of Large Diameter Energy Piles. Energies, 2019, 12, 2700.	1.6	23
18	The Thermal Behaviour of Three Different Auger Pressure Grouted Piles Used as Heat Exchangers. Geotechnical and Geological Engineering, 2015, 33, 273-289.	0.8	22

#	Article	IF	Citations
19	The role of ground conditions on the heat exchange potential of energy walls. Geomechanics for Energy and the Environment, 2021, 25, 100199.	1.2	20
20	In situ measurements of near-surface hydraulic conductivity in engineered clay slopes. Quarterly Journal of Engineering Geology and Hydrogeology, 2019, 52, 123-135.	0.8	18
21	Site investigation for energy geostructures. Quarterly Journal of Engineering Geology and Hydrogeology, 2017, 50, 158-168.	0.8	16
22	Thermal performance of thermoactive continuous flight auger piles. Environmental Geotechnics, 2016, 3, 265-279.	1.3	13
23	Translational upper bound limit analysis of shallow landslides accounting for pore pressure effects. Computers and Geotechnics, 2022, 148, 104841.	2.3	11
24	A resistive-capacitive model of pile heat exchangers with an application to thermal response tests interpretation. Renewable Energy, 2019, 138, 891-910.	4.3	8
25	Thermal energy transfer around buried pipe infrastructure. Geomechanics for Energy and the Environment, 2022, 29, 100273.	1.2	6
26	Error analysis of the thermal cell for soil thermal conductivity measurement. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2017, 170, 191-200.	0.9	5
27	The Average Temperature of Energy Piles. , 2016, , .		4
28	Investigations into thermal resistance of tunnel lining heat exchangers. E3S Web of Conferences, 2020, 205, 06006.	0.2	4
29	The potential for heat recovery and thermal energy storage in the UK using buried infrastructure. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 0, , 1-14.	1.1	3
30	A New Approach for Characterizing Pile Heat Exchangers Using Thermal Response Tests. Energies, 2021, 14, 3375.	1.6	2
31	Developing analysis approaches for energy walls. E3S Web of Conferences, 2020, 205, 06005.	0.2	2
32	The influence of weathering on index properties and undrained shear strength for the Charmouth Mudstone Formation of the Lias Group at a site near Banbury, Oxfordshire, UK. Quarterly Journal of Engineering Geology and Hydrogeology, 0, , qjegh2021-066.	0.8	2
33	Editorial: Shallow geothermal energy for buildings and infrastructure. Environmental Geotechnics, 2020, 7, 223-224.	1.3	1
34	A fast approximate method for simulating thermal pile heat exchangers. Geomechanics for Energy and the Environment, 2022, 32, 100368.	1.2	1
35	The importance of the heel effect in X-ray computed tomography imaging of soils. Environmental Geotechnics, 0, , 1-16.	1.3	0