

Giorgia Dalla Santa

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

255
citations

9
h-index

15
g-index

37
ext. papers

345
ext. citations

4
avg, IF

3.3
L-index

#	Paper	IF	Citations
29	An updated ground thermal properties database for GSHP applications. <i>Geothermics</i> , 2020 , 85, 101758	4.3	43
28	Thermal Response Testing Results of Different Types of Borehole Heat Exchangers: An Analysis and Comparison of Interpretation Methods. <i>Energies</i> , 2017 , 10, 801	3.1	28
27	Multiscale analysis of freeze-thaw effects induced by ground heat exchangers on permeability of silty clays. <i>Geotechnique</i> , 2019 , 69, 95-105	3.4	25
26	Influence of recycled tyre amendment on the mechanical behaviour of soil-bentonite cut-off walls. <i>Journal of Cleaner Production</i> , 2018 , 177, 507-515	10.3	23
25	Laboratory Measurements of Gravel Thermal Conductivity: An Update Methodological Approach. <i>Energy Procedia</i> , 2017 , 125, 671-677	2.3	22
24	A Database for Climatic Conditions around Europe for Promoting GSHP Solutions. <i>Geosciences (Switzerland)</i> , 2018 , 8, 71	2.7	16
23	Modified compressibility of cohesive sediments induced by thermal anomalies due to a borehole heat exchanger. <i>Engineering Geology</i> , 2016 , 202, 143-152	6	16
22	Relevance of computing freeze-thaw effects for borehole heat exchanger modelling: A comparative case study. <i>Geothermics</i> , 2019 , 79, 164-175	4.3	14
21	Generalized Pan-European Geological Database for Shallow Geothermal Installations. <i>Geosciences (Switzerland)</i> , 2018 , 8, 32	2.7	10
20	A European Database of Building Energy Profiles to Support the Design of Ground Source Heat Pumps. <i>Energies</i> , 2019 , 12, 2496	3.1	9
19	Modelling an induced thermal plume with data from electrical resistivity tomography and distributed temperature sensing: a case study in northeast Italy. <i>Hydrogeology Journal</i> , 2018 , 26, 837-851	3.1	8
18	Induced thermal compaction in cohesive sediments around a borehole heat exchanger: laboratory tests on the effect of pore water salinity. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	7
17	Underground warehouses for food storage in the Dolomites (Eastern alps Italy) and energy efficiency. <i>Tunnelling and Underground Space Technology</i> , 2020 , 102, 103411	5.7	5
16	. <i>Rendiconti Online Societa Geologica Italiana</i> , 2014 , 31,		5
15	EU project "heap-GSHPs" the geoexchange field laboratory. <i>Energy Procedia</i> , 2017 , 125, 511-519	2.3	4
14	Revision of hydrothermal constraints for the installation of closed-loop shallow geothermal systems through underground investigation, monitoring and modeling. <i>Renewable Energy</i> , 2020 , 153, 1378-1395	8.1	4
13	Hydraulic conductivity changes in compacted clayey barriers due to temperature variations in landfill top covers. <i>Bulletin of Engineering Geology and the Environment</i> , 2020 , 79, 2893-2905	4	3

12	New tools to support the designing of efficient and reliable ground source heat exchangers: the Cheap-GSHPs databases and maps. <i>Advances in Geosciences</i> , 49, 47-55		3
11	First Italian TRT database and significance of the geological setting evaluation in borehole heat exchanger sizing. <i>Geothermics</i> , 2021, 94, 102098	4.3	3
10	Thermal modeling of a Swiss urban aquifer and implications for geothermal heat pump systems. <i>Hydrogeology Journal</i> , 2021, 29, 2187	3.1	2
9	Two software tools for facilitating the choice of ground source heat pumps by stakeholders and designers. <i>E3S Web of Conferences</i> , 2019, 111, 06023	0.5	1
8	Selection of backfill grout for shallow geothermal systems: Materials investigation and thermo-physical analysis. <i>Construction and Building Materials</i> , 2022, 318, 125832	6.7	1
7	Evaluation of the Effect of Anti-Corrosion Coatings on the Thermal Resistance of Ground Heat Exchangers for Shallow Geothermal Applications. <i>Energies</i> , 2021, 14, 2586	3.1	0
6	A multi-scale methods comparison to provide granitoid rocks thermal conductivity. <i>Construction and Building Materials</i> , 2021, 304, 124612	6.7	0
5	Combining geological surveys, sizing tools and 3D multiphysics in designing a low temperature district heating with integrated ground source heat pumps. <i>Geothermics</i> , 2022, 101, 102381	4.3	0
4	European and municipal scale drillability maps: A tool to identify the most suitable techniques to install borehole heat exchangers (BHE) probes. <i>Renewable Energy</i> , 2022, 192, 188-199	8.1	0
3	Intensive thermal exploitation from closed and open shallow geothermal systems at urban scale: unmanaged conflicts and potential synergies. <i>Geothermics</i> , 2022, 103, 102417	4.3	0
2	Laboratory thermal conductivity measurements on gravel sample. <i>Acque Sotterranee - Italian Journal of Groundwater</i> , 2018, 7, 67-70	0.8	
1	Deformation and Vertical Permeability Variations Induced by Freeze-Thaw Cycles in Over-Consolidated Silty Clays. <i>Lecture Notes in Civil Engineering</i> , 2021, 985-992	0.3	