

A novel enhanced deep borehole heat exchanger for bui

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Integration of Photovoltaic Electricity with Shallow Geothermal Systems for Residential Microgrids: Proof of Concept and Techno-Economic Analysis with RES2GEO Model. <i>Energies</i> , 2021, 14, 1923.	3.1	5
2	Application and Design Aspects of Ground Heat Exchangers. <i>Energies</i> , 2021, 14, 2134.	3.1	21
3	A semi-analytical approach to model drilling fluid leakage into fractured formation. <i>Rheologica Acta</i> , 2021, 60, 353-370.	2.4	7
4	Analysis of deep borehole heat exchanger with horizontal branch wells for building heating. <i>International Journal of Low-Carbon Technologies</i> , 2021, 16, 1164-1169.	2.6	7
5	Performance analysis of medium-depth coaxial heat exchanger geothermal system using CO ₂ as a circulating fluid for building heating. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	3
6	Proposing stratified segmented finite line source (SS-FLS) method for dynamic simulation of medium-deep coaxial borehole heat exchanger in multiple ground layers. <i>Renewable Energy</i> , 2021, 179, 604-624.	8.9	21
7	Analytical modeling and thermal analysis of deep coaxial borehole heat exchanger with stratified-seepage-segmented finite line source method (S3-FLS). <i>Energy and Buildings</i> , 2022, 257, 111795.	6.7	21
8	A Comprehensive Study on Intermittent Operation of Horizontal Deep Borehole Heat Exchangers. <i>Energies</i> , 2022, 15, 307.	3.1	5
9	Simulations of Heat Supply Performance of a Deep Borehole Heat Exchanger under Different Scheduled Operation Conditions. <i>Processes</i> , 2022, 10, 121.	2.8	2
10	Abandoned oil and gas wells for geothermal energy: Prospects for Pakistan. , 2022, , 315-340.		1
11	Investigation of a Novel Deep Borehole Heat Exchanger for Building Heating and Cooling with Particular Reference to Heat Extraction and Storage. <i>Processes</i> , 2022, 10, 888.	2.8	3
12	Numerical research on the heat transfer model and performance of deep borehole heat exchangers combined with geothermal wells. <i>Applied Thermal Engineering</i> , 2022, 214, 118728.	6.0	1
13	Investigation on thermal conductivity property and hydration mechanism of graphene-composite cement for geothermal exploitation. <i>Geothermics</i> , 2022, 104, 102477.	3.4	8
14	Modeling lost-circulation in natural fractures using semi-analytical solutions and type-curves. <i>Journal of Petroleum Science and Engineering</i> , 2022, 216, 110770.	4.2	6
15	Design and optimization of deep coaxial borehole heat exchangers for cold sedimentary basins. <i>Geothermics</i> , 2022, 105, 102504.	3.4	15
16	Optimization design and drag reduction characteristics of bionic borehole heat exchanger. <i>Frontiers in Energy Research</i> , 0, 10, .	2.3	4
17	Repurposing a deep geothermal exploration well for borehole thermal energy storage: Implications from statistical modelling and sensitivity analysis. <i>Applied Thermal Engineering</i> , 2023, 220, 119701.	6.0	13
18	Experimental study on convective heat transfer of an open-loop borehole heat exchanger. <i>Geothermal Energy</i> , 2023, 11, .	1.9	2

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19	Study on effects of multi-climatic parameters on performance of ground source heat pump through coaxial borehole heat exchanger. <i>International Journal of Green Energy</i> , 2024, 21, 959-972.	3.8	0
20	Enhancing thermal conductivity of cement-based composites by optimizing pores and adding pitch-based carbon fibers for pavement cooling. <i>Energy and Buildings</i> , 2023, 296, 113388.	6.7	0
21	Energy conversion through deep borehole heat exchanger systems: Heat storage analysis and assessment of threshold inlet temperature. <i>Energy Conversion and Management</i> , 2023, 294, 117589.	9.2	5
22	Heat extraction calculations for deep coaxial borehole heat exchangers: matrix analytical approach. <i>Geophysical Journal International</i> , 2023, 235, 2323-2338.	2.4	0
23	Medium Rock-Soil Temperature Distribution Characteristics at Different Time Scales and New Layout Forms in the Application of Medium-Deep Borehole Heat Exchangers. <i>Energies</i> , 2023, 16, 6970.	3.1	0
24	Improved modeling analysis on heat transfer performance of deep coaxial borehole heat exchanger with different operation modes. <i>Energy Reports</i> , 2024, 11, 355-368.	5.1	0
25	Properly shortening design time scale of medium-deep borehole heat exchanger for high building heating performances with high computational efficiency. <i>Energy</i> , 2024, 290, 130256.	8.8	0
26	Experimental and numerical study on the attenuation and recovery characteristics of ground temperature during deep-buried pipe heat transfer. <i>Energy and Buildings</i> , 2024, 307, 113961.	6.7	0
27	Assessment of the effect of heat storage on the production of clean geothermal energy using the medium and deep U-type borehole heat exchanger system. <i>Journal of Cleaner Production</i> , 2024, 447, 141471.	9.3	0
28	An integrated system combining MDBHE (multi-casing DBHE) and heat pump achieves heating and cooling for medium-deep geothermal energy utilization. <i>Energy</i> , 2024, 295, 131061.	8.8	0