# Wanlong Cai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7951493/publications.pdf

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|---|---|---|---|
| 13 papers | 450 citations | 1039880 9 h-index | 1199470 12 g-index |
| 15 all docs | 15 docs citations | 15 times ranked | 110 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Long-term performance evaluation for deep borehole heat exchanger array under different soil thermal properties and system layouts. Energy, 2022, 241, 122937. | 4.5 | 20 |
| 2 | Importance of long-term ground-loop temperature variation in performance optimization of Ground Source Heat Pump system. Applied Thermal Engineering, 2022, 204, 117945. | 3.0 | 9 |
| 3 | Long-term Performance Evaluation and Economic Analysis for Deep Borehole Heat Exchanger Heating System in Weihe Basin. Frontiers in Earth Science, 2022, 10, . | 0.8 | 10 |
| 4 | Numerical Study on the Long-Term Performance and Load Imbalance Ratio for Medium-Shallow Borehole Heat Exchanger System. Energies, 2022, 15, 3444. | 1.6 | 8 |
| 5 | Discrepancies in using CO2 or water as heat-carrier fluid on the output temperature of deep coaxial borehole heat exchanger. Energy and Buildings, 2022, 270, 112279. | 3.1 | 4 |
| 6 | Long-term thermal imbalance in large borehole heat exchangers array â€“ A numerical study based on the Leicester project. Energy and Buildings, 2021, 231, 110518. | 3.1 | 21 |
| 7 | Numerical investigation on the capacity and efficiency of a deep enhanced U-tube borehole heat exchanger system for building heating. Renewable Energy, 2021, 169, 557-572. | 4.3 | 38 |
| 8 | Analysis of heat extraction performance and long-term sustainability for multiple deep borehole heat exchanger array: A project-based study. Applied Energy, 2021, 289, 116590. | 5.1 | 60 |
| 9 | Numerical investigation on the effects of geological parameters and layered subsurface on the thermal performance of medium-deep borehole heat exchanger. Renewable Energy, 2020, 149, 384-399. | 4.3 | 62 |
| 10 | Influencing factors analysis and operation optimization for the long-term performance of medium-deep borehole heat exchanger coupled ground source heat pump system. Energy and Buildings, 2020, 226, 110385. | 3.1 | 56 |
| 11 | Study on Feasibility of Accumulating Solar Energy into Soil for Improving the Imbalance of Heat Injection and Extraction in GHP System. Environmental Science and Engineering, 2020, , 249-258. | 0.1 | 0 |
| 12 | Numerical study on the effects of design parameters on the heat transfer performance of coaxial deep borehole heat exchanger. International Journal of Energy Research, 2019, 43, 6337-6352. | 2.2 | 63 |
| 13 | Experimental and numerical investigation of heat transfer performance and sustainability of deep borehole heat exchangers coupled with ground source heat pump systems. Applied Thermal Engineering, 2019, 149, 975-986. | 3.0 | 99 |