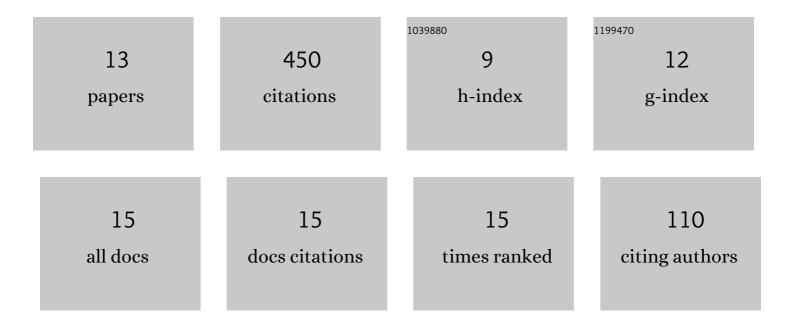
## Wanlong Cai

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7951493/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	Long-term thermal imbalance in large borehole heat exchangers array – A numerical study based on the Leicester project. Energy and Buildings, 2021, 231, 110518.	3.1	21
8	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
9	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
10	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
11	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
12	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
13	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