

# Yujin Nam

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

518  
citations

759233

12  
h-index

677142

22  
g-index

34  
all docs

34  
docs citations

34  
times ranked

374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a numerical model to predict heat exchange rates for a ground-source heat pump system. <i>Energy and Buildings</i> , 2008, 40, 2133-2140.	6.7	150
2	Impact of long-term operation of ground-source heat pump on subsurface thermal state in urban areas. <i>Sustainable Cities and Society</i> , 2018, 38, 429-439.	10.4	51
3	Experimental and Numerical Study on the Cooling Performance of Fins and Metal Mesh Attached on a Photovoltaic Module. <i>Energies</i> , 2020, 13, 85.	3.1	28
4	Comprehensive multi-criteria evaluation of water source heat pump systems in terms of building type, water source, and water intake distance. <i>Energy and Buildings</i> , 2021, 236, 110765.	6.7	25
5	Analysis on Thermal Performance of Ground Heat Exchanger According to Design Type Based on Thermal Response Test. <i>Energies</i> , 2019, 12, 651.	3.1	24
6	Feasibility Study of a Heating, Cooling and Domestic Hot Water System Combining a Photovoltaic-Thermal System and a Ground Source Heat Pump. <i>Energies</i> , 2017, 10, 1243.	3.1	23
7	Comprehensive feasibility investigation of river source heat pump systems in terms of life cycle. <i>Applied Thermal Engineering</i> , 2021, 188, 116655.	6.0	21
8	A Numerical Study on System Performance of Groundwater Heat Pumps. <i>Energies</i> , 2016, 9, 4.	3.1	17
9	Feasibility analysis for an integrated system using photovoltaic-thermal and ground source heat pump based on real-scale experiment. <i>Renewable Energy</i> , 2022, 185, 1152-1166.	8.9	16
10	Feasibility Study on Variable-Speed Air Conditioner under Hot Climate based on Real-Scale Experiment and Energy Simulation. <i>Energies</i> , 2019, 12, 1489.	3.1	15
11	Economic Solution of the Tri-Generation System Using Photovoltaic-Thermal and Ground Source Heat Pump for Zero Energy Building (ZEB) Realization. <i>Energies</i> , 2019, 12, 3304.	3.1	14
12	Comparison between experiment and simulation for the development of a Tri-generation system using photovoltaic-thermal and ground source heat pump. <i>Energy and Buildings</i> , 2021, 231, 110623.	6.7	13
13	Comparative analysis of the optimized ANN, SVM, and tree ensemble models using Bayesian optimization for predicting GSHP COP. <i>Journal of Building Engineering</i> , 2021, 44, 103411.	3.4	12
14	Feasibility Study of Ground Source Heat Pump System Considering Underground Thermal Properties. <i>Energies</i> , 2018, 11, 1786.	3.1	11
15	Economic and environmental analysis of ground source heat pump system according to operation methods. <i>Geothermics</i> , 2022, 101, 102373.	3.4	11
16	Performance and Feasibility Study of a Standing Column Well (SCW) System Using a Deep Geothermal Well. <i>Energies</i> , 2016, 9, 108.	3.1	10
17	Study on the System Design of a Solar Assisted Ground Heat Pump System Using Dynamic Simulation. <i>Energies</i> , 2016, 9, 291.	3.1	10
18	Performance Analysis of Integrated Photovoltaic-Thermal and Air Source Heat Pump System through Energy Simulation. <i>Energies</i> , 2022, 15, 528.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Multi-Objective Optimization of Hybrid Renewable Tri-Generation System Performance for Buildings. Applied Sciences (Switzerland), 2022, 12, 888.	2.5	8
20	Development of the Performance Prediction Equation for a Modular Ground Heat Exchanger. Energies, 2020, 13, 6005.	3.1	7
21	Development of a Multi-Well Pairing System for Groundwater Heat Pump Systems. Energies, 2018, 11, 3485.	3.1	6
22	Analysis of Heat Exchange Rate for Low-Depth Modular Ground Heat Exchanger through Real-Scale Experiment. Energies, 2021, 14, 1893.	3.1	6
23	Study on the Effect of Ground Heat Storage by Solar Heat Using Numerical Simulation. Energies, 2015, 8, 13609-13627.	3.1	5
24	Study on the Performance of Multiple Sources and Multiple Uses Heat Pump System in Three Different Cities. Energies, 2020, 13, 5211.	3.1	5
25	Comparative Analysis of System Performance and Thermal Comfort for an Integrated System with PVT and GSHP Considering Two Load Systems: Convective Heating and Radiant Floor Heating. Energies, 2020, 13, 5524.	3.1	4
26	Study on the Optimum Design of a Ground Heat Pump System Using Optimization Algorithms. Energies, 2019, 12, 4033.	3.1	3
27	Fault Detection Methodology for Secondary Fluid Flow Rate in a Heat Pump Unit. Energies, 2020, 13, 2974.	3.1	3
28	A Study on the Effect of Performance Factor on GSHP System through Real-Scale Experiments in Korea. Energies, 2020, 13, 554.	3.1	3
29	Development of a Low-Depth Modular GHX through a Real-Scale Experiment. Energies, 2022, 15, 698.	3.1	3
30	Development of Design Method for River Water Source Heat Pump System Using an Optimization Algorithm. Energies, 2022, 15, 4019.	3.1	3
31	Energy performance analysis of textile and capillary tube composite panel system by computational fluid dynamics and real-scale experiments. Energy and Buildings, 2022, 258, 111825.	6.7	2
32	Analysis on the Effect of Local Climate on the Unit-type Ground Heat Exchanger. Journal of the Korean Solar Energy Society, 2019, 39, 67-76.	0.4	0
33	Performance Comparison and Analysis of the Curtain-Wall-Type Liquid-Type Photovoltaic Thermal Unit According to the Pipe Connection Method. Energies, 2022, 15, 2317.	3.1	0
34	Dynamic Analysis of the Integrated System using Photovoltaic-Thermal and Air Source Heat Pump Considering Real Building Application. Journal of the Korean Solar Energy Society, 2022, 42, 35-43.	0.4	0