

# CITATION REPORT

List of articles citing

Comparative study of the performance of air and geothermal sources of heat pumps cycle operating with various refrigerants and vapor injection

DOI: 10.1016/j.aej.2020.07.009

AEJ - Alexandria Engineering Journal, 2020, 59, 4037-4047.

**Source:** <https://exaly.com/paper-pdf/75897801/citation-report.pdf>

**Version:** 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
78	Parametric Study of Various Thermodynamic Cycles for the Use of Unconventional Blends. <i>Energies</i> , <b>2020</b> , 13, 4656	3.1	1
77	Thermodynamic and thermoeconomic analyses of an ejector/booster enhanced heat pump system with zeotropic mixture. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 4443-4465	4.5	12
76	Study of stand-alone building heating system operating with renewable energy sources under moderate continental climate conditions. <i>E3S Web of Conferences</i> , <b>2021</b> , 289, 05005	0.5	
75	Design and Performance Evaluation of a Heat Pump System Utilizing a Permanent Dewatering System. <i>Energies</i> , <b>2021</b> , 14, 2273	3.1	0
74	Determination of the optimal discharge pressure of the transcritical CO <sub>2</sub> heat pump cycles for heating and cooling performances based on new correlation. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 145, 1537-1546	4.1	3
73	Thermophysics Analysis of Office Buildings with a Temperature-Humidity Coupling Strategy Under Hot-Arid Climatic Conditions. <i>International Journal of Thermophysics</i> , <b>2021</b> , 42, 1	2.1	2
72	Comparison of gas turbine and diesel engine in optimal design of CCHP plant integrated with multi-effect and reverse osmosis desalinations. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 154, 505-505	5.5	4
71	The spatial effect of Nanjing's fitness strategy: considering citizens' fitness status. <i>Arabian Journal of Geosciences</i> , <b>2021</b> , 14, 1	1.8	2
70	Steady state numerical simulation and studying performance of a modified diffusion absorption refrigeration cycle. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 61, 2591-2591	6.1	
69	A comparison of ground and air source heat pump performance for domestic applications: A case study in Perth, Australia. <i>International Journal of Energy Research</i> ,	4.5	1
68	Convenience analysis of financial services: GIS-based distribution of ATM network in Hangzhou City. <i>Arabian Journal of Geosciences</i> , <b>2021</b> , 14, 1	1.8	1
67	The design of a seasonal heat storage system with a geothermal heat pump for a residential building in Tehran. <i>Journal of Engineering, Design and Technology</i> , <b>2021</b> , ahead-of-print,	1.5	1
66	Feasibility study and economic analysis of grid connected solar powered net zero energy building (NZEB) of shopping mall for two different climates of Pakistan and Thailand. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 26, 101049	5.6	12
65	Application of ORC in a Distributed Integrated Energy System Driven by Deep and Shallow Geothermal Energy. <i>Energies</i> , <b>2021</b> , 14, 5466	3.1	0
64	Study on the performance assessment of a novel hybrid heat pump system modified with dedicated mechanical sub-cooler for domestic heating applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	0
63	Evaluation of the Shallow Geothermal Potential for Heating and Cooling and Its Integration in the Socioeconomic Environment: A Case Study in the Region of Murcia, Spain. <i>Energies</i> , <b>2021</b> , 14, 5740	3.1	3
62	Improve thermal performance of Simulated-Body-Fluid as a solution with an ion concentration close to human blood plasma, by additive Zinc Oxide and its composites: ZnO/Carbon Nanotube and ZnO/Hydroxyapatite. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 342, 117457	6	5

61	The investigation of energy management and atomic interaction between coronavirus structure in the vicinity of aqueous environment of HO molecules via molecular dynamics approach. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 341, 117430	6	0
60	Comparative Analysis of Combined Heating Systems Involving the Use of Renewable Energy for Greenhouse Heating. <i>Energies</i> , <b>2021</b> , 14, 6603	3.1	1
59	Sustainability of Shallow Geothermal Energy for Building Air-Conditioning. <i>Energies</i> , <b>2021</b> , 14, 7058	3.1	2
58	Molecular dynamics approach to study the effects of MgCl <sub>2</sub> salt atomic ratio on the phase transition phenomenon in the phase change materials. <i>Journal of Energy Storage</i> , <b>2022</b> , 46, 103860	7.8	1
57	Analysis of Power Quality Problems in Large-Scale Application of Air-Source Heat Pump. <i>Energy Engineering: Journal of the Association of Energy Engineers</i> , <b>2022</b> , 119, 637-651	0.6	
56	Investigation on the performance improvement of household refrigeration system using R-134a refrigerant blended with ceria nano additives. <i>Applied Nanoscience (Switzerland)</i> , 1	3.3	0
55	Phase change material dependency on solar power plant building through examination of energy-saving. <i>Journal of Energy Storage</i> , <b>2022</b> , 45, 103718	7.8	1
54	Multi-objective 4E analysis for a building integrated photovoltaic thermal double skin Façade system. <i>Solar Energy</i> , <b>2022</b> , 233, 408-420	6.8	4
53	A critical review on the current knowledge of geothermal energy piles to sustainably climatize buildings. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 158, 112072	16.2	2
52	Carbon dioxide reduction using passive technique of incorporating phase change materials into envelopes: A case study of climate data from Saudi Arabia. <i>Journal of Energy Storage</i> , <b>2022</b> , 49, 104153	7.8	2
51	Experimental Investigation of a Two-Phase Ejector Installed into the Refrigeration System for Performance Enhancement. <i>SSRN Electronic Journal</i> ,	1	
50	Energy, Exergy, Environmental and Economic Analyses of Natural Refrigerants for Cascade Refrigeration. <i>Arabian Journal for Science and Engineering</i> , 1	2.5	
49	State of the Art, Perspective and Obstacles of Ground-Source Heat Pump Technology in the European Building Sector: A Review. <i>Energies</i> , <b>2022</b> , 15, 2685	3.1	1
48	Design and Parametric Investigation of an Efficient Heating System, an Effort to Obtain a Higher Seasonal Performance Factor. <i>Energies</i> , <b>2021</b> , 14, 8475	3.1	2
47	Alternative Use of Artificial Quarry Lakes as a Source of Thermal Energy for Greenhouses. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3560	3	2
46	A novel combined power generation and argon liquefaction system; investigation and optimization of energy, exergy, and entransy phenomena. <i>Journal of Energy Storage</i> , <b>2022</b> , 50, 104613	7.8	1
45	Exergetic and exergoeconomic analysis of an experimental ground source heat pump system coupled with a thermal storage based on Hardware in Loop. <i>Applied Thermal Engineering</i> , <b>2022</b> , 212, 118559	5.8	2
44	Numerical investigation on the factors influencing the temperature distribution of photovoltaic/thermal (PVT) evaporator/condenser for heat pump systems. <i>Renewable Energy</i> , <b>2022</b>	8.1	2

43	Smart design and control of thermal energy storage in low-temperature heating and high-temperature cooling systems: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 166, 112625	16.2	0
42	Experimental investigation of a two-phase ejector installed into the refrigeration system for performance enhancement. <i>Energy Reports</i> , <b>2022</b> , 8, 7263-7273	4.6	0
41	Thermal management of a lithium ion battery pack connected to a solar panel using a comparison of two cavities filled with phase change materials: Oval and rectangular. <i>Journal of Energy Storage</i> , <b>2022</b> , 52, 105061	7.8	0
40	The investigation of battery thermal management via effects of using phase change materials in the oval packages around the lithium-ion battery cells with an airflow. <i>Journal of Energy Storage</i> , <b>2022</b> , 53, 105105	7.8	1
39	Introducing a new PID controller to control the addition of PCM to the building with ventilation heat recovery installation to reduce the energy demand of the cooling system. <i>Journal of Building Engineering</i> , <b>2022</b> , 56, 104766	5.2	0
38	Heat transfer analysis of a water/lithium-bromide vapor generator system used for battery thermal development. <i>Journal of Energy Storage</i> , <b>2022</b> , 53, 105118	7.8	
37	Numerical Crank-Nicolson transient thermal analysis of a single U-tube vertical ground battery borehole heat exchanger filled with the phase change material. <i>Journal of Energy Storage</i> , <b>2022</b> , 53, 105119	7.8	0
36	Energy exchange of Inserting Eco-friendly Bio Phase Change Material into the vertical walls to make the buildings energy-efficient. <i>Journal of Building Engineering</i> , <b>2022</b> , 56, 104777	5.2	
35	Numerical analysis and two-phase modeling of water Graphene Oxide nanofluid flow in the riser condensing tubes of the solar collector heat exchanger. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 53, 102408	4.7	0
34	Study of the flat plate solar collector's efficiency for sustainable and renewable energy management in a building by a phase change material: Containing paraffin-wax/Graphene and Paraffin-wax/graphene oxide carbon-based fluids. <i>Journal of Building Engineering</i> , <b>2022</b> , 57, 104804	5.2	2
33	The molecular dynamics study of vacancy defect influence on carbon nanotube performance as drug delivery system. <i>Engineering Analysis With Boundary Elements</i> , <b>2022</b> , 143, 109-123	2.6	2
32	Using phase change material (PCM) to improve the solar energy capacity of glass in solar collectors by enhancing their thermal performance via developed MD approach. <i>Engineering Analysis With Boundary Elements</i> , <b>2022</b> , 143, 163-169	2.6	2
31	Approving a new PID controller and using PCM to intensify electricity generation in a green building. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 53, 102393	4.7	
30	Thermal systems energy optimization using multifunctional hybrid clean solar energy joined with chiller-based cooling: Effects of solar-assisted system on efficiency. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 53, 102397	4.7	
29	Geothermal energy in developing countries—the dilemma between renewable and nonrenewable. <b>2022</b> , 227-262		
28	Applications of intelligent techniques in modeling geothermal heat pumps: an updated review. <i>International Journal of Low-Carbon Technologies</i> , <b>2022</b> , 17, 910-918	2.8	0
27	Effect of lithium-ion batteries on heating a residential building using PCM: Changing the horizontal distance between batteries. <i>Journal of Building Engineering</i> , <b>2022</b> , 104931	5.2	
26	Significance of magnetized Darcy-Forchheimer stratified rotating Williamson hybrid nanofluid flow: A case of 3D sheet. <i>International Communications in Heat and Mass Transfer</i> , <b>2022</b> , 136, 106214	5.8	3

25	Energy, exergy, economic and environmental analyses and optimization of a novel vapor injection autocascade heat pump for high-temperature water heating. <i>Energy Conversion and Management</i> , <b>2022</b> , 267, 115909	10.6	0
24	Transient heat transfer analysis of serially connected array of phase change material in the thermal battery units with Al <sub>2</sub> O <sub>3</sub> working Nano fluids. <i>Journal of Energy Storage</i> , <b>2022</b> , 53, 105184	7.8	1
23	Effects of various types of nanomaterials on PCM melting process in a thermal energy storage system for solar cooling application using CFD and MCMC methods. <i>International Journal of Heat and Mass Transfer</i> , <b>2022</b> , 195, 123204	4.9	1
22	Sustainable and renewable energy management by investigating the effect of the diameter of finned tubes of a solar collector on its heat production in the presence of phase change materials in a residential building. <i>Journal of Building Engineering</i> , <b>2022</b> , 57, 104881	5.2	1
21	Using PCM for building energy management to postpone the electricity demand peak load and approving a new PID controller to activate alternative chiller. <i>Journal of Building Engineering</i> , <b>2022</b> , 57, 104884	5.2	
20	Reducing electricity demand by integrating a sustainable pack into HVAC- adding PCM in sustainable pack as well as building envelopes. <i>Journal of Building Engineering</i> , <b>2022</b> , 57, 104915	5.2	1
19	Study of heat transfer distribution in round house partitions to improve the building energy consumption. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 53, 102441	4.7	
18	Study the impact of sunlight frequencies and solar collector tube magnetic fields in heating generation power of the magnetic nanoparticles: Optimizing by ANN modeling. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 53, 102440	4.7	
17	The atomic obstacle size influence on the Hydrogen flow inside a nanochannel: A molecular dynamics approach to predict the fluid atomic arrangements. <i>Engineering Analysis With Boundary Elements</i> , <b>2022</b> , 143, 547-558	2.6	2
16	COMPARATIVE STUDY OF THE PERFORMANCE OF WATER-WATER HEAT PUMP BETWEEN R407C AND OTHER NEW ECO-FRIENDLY REFRIGERANTS. <b>2022</b> , 403-412		
15	Efficiency of a Compressor Heat Pump System in Different Cycle Designs: A Simulation Study for Low-Enthalpy Geothermal Resources. <b>2022</b> , 15, 5546		1
14	Technical, economic, and environmental feasibility of replacing a flash tank with a sub-cooler in heat pump system.		0
13	Solar radiation over a roof in the presence of temperature-dependent thermal conductivity of a Casson flow for energy saving in buildings. <b>2022</b> , 53, 102606		
12	Application of graphene nanoplatelet/platinum hybrid nanofluid in a novel design of solar still for improving water production and energy management. <b>2022</b> , 53, 102607		
11	The frosting and soil imbalance performance issues of building heat pumps: An overview. <b>2022</b> , 273, 112387		0
10	Thermal-hydraulic characteristics analysis in porous-wall corrugated microchannel with microencapsulated phase change slurry. <b>2022</b> , 138, 106316		0
9	Thermodynamic investigation of a single flash geothermal power plant powered by carbon dioxide transcritical recovery cycle. <b>2022</b> ,		0
8	On Powell-Eyring hybridity nanofluidic flow based Carboxy-Methyl-Cellulose (CMC) with solar thermal radiation: A quadratic regression estimation. <b>2022</b> , 138, 106413		0

- 7 Potential of CO<sub>2</sub> Emission Reduction via Application of Geothermal Heat Exchanger and Passive Cooling in Residential Sector under Polish Climatic Conditions. **2022**, 15, 8531 1
- 6 A hybrid machine learning-assisted optimization and rule-based energy monitoring of a green concept based on low-temperature heating and high-temperature cooling system. **2023**, 384, 135535 0
- 5 Novel issues for urban energy-saving management: Renewal of leftover space. **2023**, 55, 102934 0
- 4 A method for sizing air source heat pump considering the joint effect of outdoor air temperature and relative humidity. **2023**, 65, 105815 0
- 3 Heat transfer analysis of the MHD stagnation-point flow of third-grade fluid over a porous sheet with thermal radiation effect: An algorithmic approach. **2023**, 21, 0
- 2 Low-Enthalpy Geothermal Applications. **2023**, 19-65 0
- 1 Analysis of energy transformer efficiency in heat supply system. **2023**, 0