

Comprehensive review on the development of SAHP for

Renewable and Sustainable Energy Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Computational and experimental performance analysis of a novel method for heating of domestic hot water with a ground source heat pump system. <i>Energy and Buildings</i> , 2018, 161, 22-40.	3.1	15
2	Control strategy and experimental analysis of a direct-expansion solar-assisted heat pump water heater with R134a. <i>Energy</i> , 2018, 145, 17-24.	4.5	40
3	Research and developments on solar assisted compression heat pump systems – A comprehensive review (Part-B: Applications). <i>Renewable and Sustainable Energy Reviews</i> , 2018, 83, 124-155.	8.2	140
4	A variable frequency control method and experiments of a direct-expansion solar-assisted heat pump system. <i>Solar Energy</i> , 2018, 176, 572-580.	2.9	22
5	Solar Water Heaters. , 2018, , 111-125.		5
6	Experimental study on the heat gain of water in hybrid solar collector integrated with fin-and-tube heat exchanger with respect to air and water flow rate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 383, 012064.	0.3	0
7	A performance comparison of serial and parallel solar-assisted heat pump heating systems in Xi'an, China. <i>Energy Science and Engineering</i> , 2019, 7, 1379-1393.	1.9	34
8	Performance Analysis of a Combined Solar-Assisted Heat Pump Heating System in Xi'an, China. <i>Energies</i> , 2019, 12, 2515.	1.6	12
9	Predictive control based on occupant behavior prediction for domestic hot water system using data mining algorithm. <i>Energy Science and Engineering</i> , 2019, 7, 1214-1232.	1.9	15
10	Experimental and numerical study of the domestic hot water production with PV panels and a heat pump. <i>E3S Web of Conferences</i> , 2019, 111, 01066.	0.2	1
11	Environmental benefits and economic feasibility of a photovoltaic assisted heat pump water heater. <i>Solar Energy</i> , 2019, 193, 20-30.	2.9	12
12	Solar assisted ground source heat pump systems – A review. <i>Applied Thermal Engineering</i> , 2019, 163, 114351.	3.0	83
13	Experimental investigation on the tri-generation performance of roll-bond photovoltaic thermal heat pump system during summer. <i>Energy Conversion and Management</i> , 2019, 184, 91-106.	4.4	65
14	On the possibilities to increase energy efficiency of domestic hot water preparation systems in existing buildings – Long term field research. <i>Journal of Cleaner Production</i> , 2019, 217, 194-203.	4.6	33
15	Performance analysis of a novel air source hybrid solar assisted heat pump. <i>Renewable Energy</i> , 2019, 139, 1133-1145.	4.3	65
16	Modeling and experimental analysis of the solar radiation in a CO2 direct-expansion solar-assisted heat pump. <i>Applied Thermal Engineering</i> , 2019, 148, 160-172.	3.0	33
17	Performance analysis and experimental validation of a solar-assisted heat pump fed by photovoltaic-thermal collectors. <i>Energy</i> , 2019, 169, 1214-1223.	4.5	37
18	Performance optimization and benefit analyses of a photovoltaic loop heat pipe/solar assisted heat pump water heating system. <i>Renewable Energy</i> , 2019, 134, 1240-1247.	4.3	33

#	ARTICLE	IF	CITATIONS
19	Building heating applications with phase change material: A comprehensive review. <i>Journal of Energy Storage</i> , 2020, 31, 101634.	3.9	60
20	A novel composite PCM for seasonal thermal energy storage of solar water heating system. <i>Renewable Energy</i> , 2020, 161, 457-469.	4.3	49
21	Performance analysis of indirect-expansion solar assisted heat pump using CO ₂ as refrigerant for space heating in cold climate. <i>Solar Energy</i> , 2020, 208, 195-205.	2.9	29
22	The feasibility of solar thermal-air source heat pump water heaters in renewable energy shortage regions. <i>Energy</i> , 2020, 197, 117189.	4.5	22
23	Technological options and strategies towards zero energy buildings contributing to climate change mitigation: A systematic review. <i>Energy and Buildings</i> , 2020, 219, 110009.	3.1	116
24	Dynamic Model of a Transcritical CO ₂ Heat Pump for Residential Water Heating. <i>Sustainability</i> , 2021, 13, 3464.	1.6	7
25	A novel spatial-temporal space heating and hot water demand method for expansion analysis of district heating systems. <i>Energy Conversion and Management</i> , 2021, 234, 113986.	4.4	17
26	Experimental performance analysis of a CO ₂ direct-expansion solar assisted heat pump water heater. <i>International Journal of Refrigeration</i> , 2021, 125, 52-63.	1.8	20
27	Integrating Novel Microchannel-Based Solar Collectors with a Water-to-Water Heat Pump for Cold-Climate Domestic Hot Water Supply, Including Related Solar Systems Comparisons. <i>Energies</i> , 2021, 14, 4057.	1.6	5
28	Effects of photovoltaic/thermal (PV/T) control strategies on the performance of liquid-based PV/T assisted heat pump for space heating. <i>Renewable Energy</i> , 2021, 172, 753-764.	4.3	17
29	Photovoltaic-thermal solar-assisted heat pump systems for building applications: Integration and design methods. <i>Energy and Built Environment</i> , 2023, 4, 39-56.	2.9	40
30	Parametric study and performance-based multi-criteria optimization of the indirect-expansion solar-assisted heat pump through the integration of Analytic Network process (ANP) decision-making with MOPSO algorithm. <i>Solar Energy</i> , 2021, 225, 814-830.	2.9	9
31	Performance-based Pareto optimization and multi-attribute decision making of an actual indirect-expansion solar-assisted heat pump system. <i>Journal of Building Engineering</i> , 2021, 42, 103053.	1.6	5
32	Review of the advances in solar-assisted air source heat pumps for the domestic sector. <i>Energy Conversion and Management</i> , 2021, 247, 114710.	4.4	46
33	Assessment on the Efficiency of an Active Solar Thermal Facade: Study of the Effect of Dynamic Parameters and Experimental Analysis When Coupled/Uncoupled to a Heat Pump. <i>Energies</i> , 2020, 13, 597.	1.6	2
34	Orijinal Evaporatör Tasarımın DX-SAHP Sistem Performansına Etkisinin Belirlenmesi İçerisine Saygısal Bir Analiz. <i>European Journal of Science and Technology</i> , 0, , .	0.5	1
35	Solar Energy for Meeting Service Hot Water Demand in Hotels: Potential and Economic Feasibility in India. <i>Springer Proceedings in Energy</i> , 2021, , 55-69.	0.2	0
36	Análisis numérico de los mapas de patrones de flujo del refrigerante R600a en un colector/evaporador de una bomba de calor asistida por energía solar. <i>Ingenius: Revista De Ciencia Y Tecnología</i> , 2021, , 112-222.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Economic assessment of solar thermal energy technologies. , 2022, , 293-322.		0
38	Analysis of the Potential of Solar-Assisted Heat Pumps: Technical, Market, and Social Acceptance Aspects. Solar Rrl, 2022, 6, .	3.1	2
39	Technical and economic performance study on winter heating system of air source heat pump assisted solar evacuated tube water heater. Applied Thermal Engineering, 2023, 221, 119851.	3.0	17
40	An Installed Hybrid Direct Expansion Solar Assisted Heat Pump Water Heater to Monitor and Modeled the Energy Factor of a University Students's Accommodation. Energies, 2023, 16, 1159.	1.6	1
41	Advanced exergy, economic, and environmental evaluation of an Organic Rankine Cycle driven dual evaporators vapour-compression refrigeration system using organic fluids. International Journal of Refrigeration, 2023, 150, 170-184.	1.8	5
43	Developments on energy-efficient buildings using phase change materials: a sustainable building solution. Clean Technologies and Environmental Policy, 2024, 26, 263-289.	2.1	0