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SERIAL NUMBER	JOURNAL PAPER PUBLISHED	YEAR
1	CFD studies on different configurations of drying chamber for thin-layer drying of leaves	2020
2	Experimental parametric investigation of waste heat powered humidification dehumidification system for production of freshwater from wastewater	2020
3	Experimental Evaluation of PVA as Novel Humidifier Material for Humidification-Dehumidification Applications	2020
4	Performance augmentation of solar photovoltaic panel through PCM integrated natural water circulation cooling technique	2020
5	Enthalpy based mathematical modelling for thermal energy storage filled with paraffin encapsulated balls as storage material	2020
6	Experimental Investigations of Thin-layer Drying of Leaves in a Heat-Pump Assisted Tray-type Batch Drying Chamber	2020
7	Modified “K”-type multilevel inverter topology with reduced switches, DC sources, and power loss	2020
8	Augmenting the productivity of solar still using multiple PCMs as heat energy storage	2019
9	Investigation of humidification-dehumidification desalination system through waste heat recovery from household air conditioning unit	2019
10	Study of effect of Al and Cu microparticles dispersed in D-Mannitol PCM for effective solar thermal energy storage	2019
11	Heat transfer studies on solar still assisted with and without latent heat storage material	2019
12	CFD and experimental analysis of phase change material behaviour encapsulated in internally finned spherical capsule	2019
13	Review of leaf drying: Mechanism and influencing parameters, drying methods, nutrient preservation, and mathematical models	2018
14	Technological advancements in solar energy driven humidification-dehumidification desalination systems - A review	2018
15	Experimental and numerical investigation of solar flat plate cooking unit for domestic applications	2018
16	Using Computational Fluid Dynamics for optimizing various configuration of tray driers	2018
17	Experimental and numerical studies of thermal performance enhancement in the receiver part of solar parabolic trough collectors	2017
18	Investigation on phase change behavior of paraffin phase change material in a spherical capsule for solar thermal storage units	2017
19	Experimental analysis of solar photovoltaic unit integrated with free cool thermal energy storage system	2017
20	Numerical Analysis of Baffle Cut on Shell Side Heat Exchanger Performance with Inclined Baffles	2017

21	Effect of Fin Orientations in a Spherically Encapsulated Phase Change Materials for Effective Heat Transfer Enhancement	2017
22	Performance evaluation of solar box cooker assisted with latent heat energy storage system for cooking application	2017
23	Performance assessment of a solar domestic cooking unit integrated with thermal energy storage system	2016
24	Misfire detection in a multi-cylinder Diesel engine: A Machine Learning Approach	2016
25	CFD analysis of effects of baffle cut on shell side heat exchanger performance with inclined baffle	2016