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PUBLICATION DETAILS

CFD studies on different configurations of drying chamber for thin-layer drying of leaves

AK Babu, G Kumaresan, V Antony Aroul Raj, R Velraj
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 42 ...

Experimental Evaluation of PVA as Novel Humidifier Material for Humidification-Dehumidification Applications

R Santosh, G Kumaresan, S Monisha, GK Kumar, R Velraj
Journal of Testing and Evaluation 49 (4)

Experimental Investigations of Thin-layer Drying of Leaves in a Heat-Pump Assisted Tray-type Batch Drying Chamber

RV A.K. Babu, G. Kumaresan, V. Antony Aroul Raj
Journal of Mechanical Engineering 66 (4), 254-265

Experimental parametric investigation of waste heat powered humidification dehumidification system for production of freshwater from wastewater

RV R. Santosh, G. Kumaresan, G. Krishna Kumar
Desalination 484, 1-13

Modified “K”-type multilevel inverter topology with reduced switches, DC sources, and power loss

MAJS Suppurayan Selvaraj, Govindaraj Kumaresan
International Transactions on Electrical Energy Systems, 1-19

Investigation of humidification-dehumidification desalination system through waste heat recovery from household air conditioning unit

R Santosh, G Kumaresan, S Selvaraj, T Arunkumar, R Velraj
Desalination 467, 1-11

CFD and experimental analysis of phase change material behaviour encapsulated in internally finned spherical capsule

G Kumaresan, R Santosh, H Revanth, G Raju, S Bhattacharyya
EDP Sciences

Augmenting the productivity of solar still using multiple PCMs as heat energy storage

KKRV V.S.Vigneswaran, G. Kumaresan, B.V. Dinakar
Journal of Energy Storage 26, 1-11

Study of effect of Al and Cu microparticles dispersed in D-Mannitol PCM for effective solar thermal energy storage

GK M. Pramothraj, R. Santosh, M. R. Swaminathan
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RV V.S. Vigneswaran, G. Kumaresan, S. Elansezhayan

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GK R. Santosh, T. Arunkumar, R. Velraj

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Using Computational Fluid Dynamics for optimizing various configuration of tray driers

RV AK Babu, V Antony Aroul Raj, G Kumaresan

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Experimental and numerical investigation of solar flat plate cooking unit for domestic applications

RV G. Kumaresan, R. Santosh, G. Raju

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Review of leaf drying: Mechanism and influencing parameters, drying methods, nutrient preservation, and mathematical models

RV A.K. Babu, G. Kumaresan, V. Antony Aroul Raj

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Numerical Analysis of Baffle Cut on Shell Side Heat Exchanger Performance with Inclined Baffles

NSK G Kumaresan, R Santosh, P Duraisamy, R Venkatesan

Heat Transfer Engineering 39 (13-14), 1156-1165

Effect of Fin Orientations in a Spherically Encapsulated Phase Change Materials for Effective Heat Transfer Enhancement

VR Kumaresan Govindaraj, Karthik Panchabikesan , David C.Denkenberger

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Experimental analysis of solar photovoltaic unit integrated with free cool thermal energy storage system

RV P. Sudhakar, G. Kumaresan

Solar Energy 158, 837-844

Investigation on phase change behavior of paraffin phase change material in a spherical capsule for solar thermal storage units

RV K. Hariharan, G. Senthil Kumar, G. Kumaresan

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Experimental and numerical studies of thermal performance enhancement in the receiver part of solar parabolic trough collectors

RV G. Kumaresan, P. Sudhakar, R. Santosh

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Performance evaluation of solar box cooker assisted with latent heat energy storage system for cooking application

GK P. Sudhakar, R. Santosh , V. S. Vigneswaran

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CFD analysis of effects of baffle cut on shell side heat exchanger performance with inclined baffle

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Misfire detection in a multi-cylinder Diesel engine: A Machine Learning Approach

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CFD analysis of flow and geometric parameter for a double walled solar cooking unit

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