



## VELRAJ R

Professor, Institute for Energy Studies,  
Anna University, Chennai  
, India

Thermal Storage  
Building  
Nanofluids  
PCM  
Solar

	All	Since 2015
Citations	8886	6719
h-index	48	43
i10-index	126	119

TITLE	CITED BY	YEAR
<a href="#">Performance augmentation of solar photovoltaic panel through PCM integrated natural water circulation cooling technique</a> P Sudhakar, R Santosh, B Asthalakshmi, G Kumaresan, R Velraj Renewable Energy		2020
<a href="#">Numerical studies on the thermal regimes of the horizontal tube falling film evaporation under varying feeder height</a> D Balaji, R Velraj, MV Ramana Murthy International Journal of Green Energy 17 (14), 895-911		2020
<a href="#">The contribution of dry indoor built environment on the spread of Coronavirus: Data from various Indian states</a> R Velraj, F Haghighat Sustainable cities and society 62, 102371	9	2020
<a href="#">Enthalpy based mathematical modelling for thermal energy storage filled with paraffin encapsulated balls as storage material</a> S Karthikeyan, K Ravikumar, G Kumaresan, R Velraj Materials Today: Proceedings		2020
<a href="#">CFD studies on different configurations of drying chamber for thin-layer drying of leaves</a> AK Babu, G Kumaresan, V Antony Aroul Raj, R Velraj Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 42 ...	2	2020
<a href="#">Review on the electrical conductivity of nanofluids: Recent developments</a> GK Poongavanam, S Duraisamy, VS Vigneswaran, V Ramalingam Materials Today: Proceedings		2020
<a href="#">Experimental parametric investigation of waste heat powered humidification dehumidification system for production of freshwater from wastewater</a> R Santosh, G Kumaresan, GK Kumar, R Velraj Desalination 484, 114422	2	2020
<a href="#">Experimental analysis and comparison of flat plate solar air heater with and without integrated sensible heat storage</a> G Kalaiarasi, R Velraj, MN Vanjeswaran, NG Pandian Renewable Energy 150, 255-265	5	2020
<a href="#">Experimental Investigations of Thin-layer Drying of Leaves in a Heat-Pump Assisted Tray-type Batch Drying Chamber.</a> AK Babu, G Kumaresan, V Raj, R Velraj Strojniski Vestnik/Journal of Mechanical Engineering 66 (4)		2020

TITLE	CITED BY	YEAR
<a href="#">Effect of aspect ratio and dispersed PCM balls on the charging performance of a latent heat thermal storage unit for solar thermal applications</a> ME Afshan, AS Selvakumar, R Velraj, R Rajaraman Renewable Energy 148, 876-888	7	2020
<a href="#">Experimental Evaluation of PVA as Novel Humidifier Material for Humidification-Dehumidification Applications</a> R Santosh, G Kumaresan, S Monisha, GK Kumar, R Velraj Journal of Testing and Evaluation 49 (4)		2020
<a href="#">Feasibility study on the year-round operation of PCM based free cooling systems in tropical climatic conditions</a> K Panchabikesan, MM Joybari, F Haghighat, V Ramalingam, Y Ding Energy 192, 116695	7	2020
<a href="#">Unlocking the Potential of Traditional Native Medicines-A Perspective to Manage the COVID-19 Pandemic</a> V Ramalingam, G Venkataramani JOURNAL OF RESEARCH IN TRADITIONAL MEDICINE 6 (1), 21-28		2020
<a href="#">Effect of phase change material integration in clay hollow brick composite in building envelope for thermal management of energy efficient buildings</a> S Kumar, S Arun Prakash, V Pandiyarajan, NB Geetha, ... Journal of Building Physics 43 (4), 351-364	4	2020
<a href="#">Selection of Heat Transfer Fluids for Solar Thermal Applications Using Multi-Criteria Decision-Making Tools</a> PG Kumar, N Yuvaraj, V Kumaresan, R Velraj Journal of Testing and Evaluation 48 (1), 595-612		2020
<a href="#">Thermophysical characterization and comparison of PCMs using DSC and T-History experimental setup</a> L Theresa, R Velraj Materials Research Express 6 (12), 125527	1	2019
<a href="#">Augmenting the productivity of solar still using multiple PCMs as heat energy storage</a> VS Vigneswaran, G Kumaresan, BV Dinakar, KK Kamal, R Velraj Journal of Energy Storage 26, 101019	15	2019
<a href="#">Effect of using low-cost thermal insulation material in a solar air heating system with a shot blasted V-corrugated absorber plate</a> PG Kumar, K Balaji, D Sakthivadivel, VS Vigneswaran, M Meikandan, ... Thermal Science and Engineering Progress 14, 100403	4	2019
<a href="#">Numerical Investigation on the Effect of Tube Geometry and Feeder Height on the Heat Transfer Performance of Horizontal Tube FallingFilm Evaporation</a> D Balaji, R Velraj, R Murthy Journal of Heat Transfer 141 (11)		2019
<a href="#">Sustainable cooling technologies for building sector</a> M Kesavan, L Chidambaram, R Velraj AIP Conference Proceedings 2161 (1), 020048	1	2019

