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SERIAL NUMBER	JOURNAL PAPER PUBLISHED	YEAR
1	Liquid Metal Gallium in Metal Inserts for Solar Thermal Energy Storage: A Novel Heat Transfer Enhancement Technique	2020
2	Microencapsulation of nitrate salt for solar thermal energy storage-synthesis, characterisation and heat transfer study	2020
3	An experimental investigation on the effect of gravitational orientation on flow boiling performance in different channel sizes ranges from minichannels to microchannels	2019
4	A novel indirect solar dryer with inlet fans powered by solar PV panels: Drying kinetics of Capsicum Annum and Abelmoschus esculentus with dryer performance	2019
5	Photothermal Energy Conversion Enhancement Studies Using Low Concentration Nanofluids	2019
6	Experimental charging and discharging performance of alumina enhanced pentaerythritol using a shell and tube TES system	2019
7	Evaluation of thermoelectric power generated through waste heat recovery from long ducts and different thermal system configurations	2019
8	Energy storage performance of pentaerythritol blended with indium in exhaust heat recovery application	2019
9	Effect of nano-gallium capsules on thermal energy storage characteristics of manganese organometallic SS-PCM	2019
10	Recent developments in thermo-physical property enhancement and applications of solid solid phase change materials	2019
11	Convective heat transfer studies on helically corrugated tubes with spiraled rod inserts using TiO ₂ /DI water nanofluids	2019
12	Manganese-based layered perovskite solid–solid phase change material: Synthesis, characterization and thermal stability study	2019
13	Evaluation of solar thermal system configurations for thermoelectric generator applications: A critical review	2019
14	Heat transfer performance of graphene nano-platelets laden micro-encapsulated PCM with polymer shell for thermal energy storage based heat sink	2019

15	Modified active solar distillation system employing directly absorbing Therminol 55–Al ₂ O ₃ nano heat transfer fluid and Fresnel lens concentrator	2019
16	Comparative study of heat transfer and friction characteristics of water-based Alumina–copper and Alumina–CNT hybrid nanofluids in laminar flow through pipes	2019
17	Experimental thermal degradation analysis of pentaerythritol with alumina nano additives for thermal energy storage application	2019
18	Theoretical and experimental evaluation of thermal interface materials and other influencing parameters for thermoelectric generator system	2019
19	Thermal performance of micro-encapsulated PCM with LMA thermal percolation in TES based heat sink application	2019
20	Optical Properties of Copper Oxides (CuO) and Titanium Oxides (TiO ₂) Nanoparticles	2019
21	Investigating the combined effect of square microgrooves and CNT coating on condensation heat transfer	2019
22	Erythritol based Nano-PCM for Solar Thermal Energy Storage	2019
23	Modelling and Optimization of Heat Transfer Coefficients for Hot and Cold Sides of Thermoelectric Generator (TEG) system	2019
24	Experimental investigations of vanadium and nickel distribution while firing petcoke in a circulating fluidised bed test facility	2019
25	Effects of Al ₂ O ₃ , CuO and TiO ₂ nanoparticles on thermal, phase transition and crystallization properties of solid-solid phase change material	2019
26	Experimental investigation of solar reversible power generation in Thermoelectric Generator (TEG) using thermal energy storage	2019
27	Experimental investigation on melting and solidification behaviour of erythritol in a vertical double spiral coil thermal energy storage system	2019
28	Role of inter-nanowire distance in metal nanowires on pool boiling heat transfer characteristics	2018
29	Spatial orientation effects on flow boiling performances in open microchannels heat sink configuration under a wide range of mass fluxes	2018
30	Transient Flow Boiling Performance and Critical Heat Flux Evaluation of Al ₂ O ₃ -Water Nanofluid in Parallel Microchannels	2018
31	Multi-walled carbon nanotube laden with D-Mannitol as phase change material: Characterization and experimental investigation	2018
32	Fabrication, characterisation and heat transfer study on microencapsulation of nano-enhanced phase change material	2018

33	Impact of Thermal Interface Materials for Thermoelectric Generator Systems	2018
34	Experimental study on heat transfer performance of neopentyl glycol/CuO composite solid-solid PCM in TES based heat sink	2018
35	Facile approach to improve solar thermal energy storage efficiency using encapsulated sugar alcohol based phase change material	2018
36	Low melt alloy enhanced solid-liquid phase change organic sugar alcohol for solar thermal energy storage	2018
37	Modified surfaces using seamless graphene/carbon nanotubes based nanostructures for enhancing pool boiling heat transfer	2018
38	Issues, comparisons, turbine selections and applications – An overview in organic Rankine cycle	2018
39	Elucidating the mechanisms behind the boiling heat transfer enhancement using nano-structured surface coatings	2018
40	Experimental study on the thermal performance of nano enhanced pentaerythritol in IC engine exhaust heat recovery application	2018
41	Experimental Study of an Organic Rankine Cycle Using n-Hexane as the Working Fluid and a Radial Turbine Expander	2018
42	Experimental heat transfer analysis of macro packed neopentylglycol with CuO nano additives for building cooling applications	2018
43	Study on performance enhancement factors in turbulent flow of CNT/water nanofluid through a tube fitted with helical screw louvered rod inserts	2018
44	Heat transfer and pressure drop studies of TiO ₂ /DI water nanofluids in helically corrugated tubes using spiraled rod inserts	2018
45	Experimental investigation of the effect of heat sink orientation on subcooled flow boiling performance in a rectangular microgap channel	2018
46	Experimental study on the thermal storage performance and non-isothermal crystallization kinetics of pentaerythritol blended with low melting metal	2018
47	Evaluating the scale effects of metal nanowire coatings on the thermal performance of miniature loop heat pipe	2018
48	Radiofrequency Ablation in Complicated Monochorionic Pregnancy: Initial Experience	2018
49	An experimental investigation on heat transfer enhancement in the laminar flow of water/TiO ₂ nanofluid through a tube heat exchanger fitted with modified butterfly inserts	2018
50	The role of reduced graphene oxide on the electrochemical activity of MFe ₂ O ₄ (M = Fe, Co, Ni and Zn) nanohybrids	2018
51	Study of thermo-physical properties and cycling stability of d-Mannitol-copper oxide nanocomposites as phase change materials	2018

52	Liquid metal gallium laden organic phase change material for energy storage: An experimental study	2018
53	Theoretical and experimental evaluation of thermal interface materials and other influencing parameters for thermoelectric generator system	2018
54	Solar Thermal Energy Storage Using Graphene Nanoplatelets-Added Phase Change Materials	2018
55	Experimental studies of water-based titanium oxide nanofluid in a circular pipe under transition flow with conical strip inserts	2018
56	Performance study of conical strip inserts in tube heat exchanger using water based titanium oxide nanofluid	2018
57	Synthesis and Characterization of Nanostructured NiCrFeSiB HVOF Coating	2017
58	Effect of diameter of metal nanowires on pool boiling heat transfer with FC-72	2017
59	Experimental study on thermal and chemical stability of pentaerythritol blended with low melting alloy as possible PCM for latent heat storage	2017
60	Pentaerythritol with alumina nano additives for thermal energy storage applications	2017
61	Convective Heat Transfer and Pressure Drop Characteristics of Al ₂ O ₃ -CNT/Water Hybrid Nanofluid in Straight Circular Tube Under Turbulent Flow	2017
62	The effect of heating area orientation on flow boiling performance in microchannels heat sink under subcooled condition	2017
63	Graphene nanoplatelets enhanced myo-inositol for solar thermal energy storage	2017
64	Protecting Silicon Film Anodes in Lithium-Ion Batteries Using an Atomically Thin Graphene Drape	2017
65	Investigations into nanofluids as direct solar radiation collectors	2017
66	An experimental study of heat transfer and pressure drop characteristics of divergent wavy minichannels using nanofluids	2017
67	Energy and economic analysis of Vacuum Insulation Panels (VIPs) used in non-domestic buildings	2017
68	Myo-inositol based nano-PCM for solar thermal energy storage	2017
69	Directly absorbing Therminol-Al ₂ O ₃ nano heat transfer fluid for linear solar concentrating collectors	2016
70	Experimental investigation on heat transfer effect of conical strip inserts in a circular tube under laminar flow	2016
71	Pool boiling heat transfer enhancement using vertically aligned carbon nanotube coatings on a copper substrate	2016

72	Experimental Investigation on Emission Characteristics of Variable Compression Ratio CI Engine Fuelled by Combined Biodiesel	2016
73	Experimental Investigation on Emission Characteristics of Variable Compression Ratio CI Engine Fuelled by Combined Biodiesel	2016
74	Heat transfer characteristics of Al ₂ O ₃ /water nanofluid in laminar flow conditions with circular ring insert	2016
75	Effect of surfactant addition on hydrophilicity of ZnO–Al ₂ O ₃ composite and enhancement of flow boiling heat transfer	2016