

Logesh K

List of Publications by Year in descending order

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papers

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docs citations

63
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat transfer study on cylindrical and square thermal energy storage unit. International Journal of Ambient Energy, 2022, 43, 879-882.	1.4	2
2	The effect of crack geometry on mode shapes of a cracked cantilever beam. Australian Journal of Mechanical Engineering, 2022, 20, 969-980.	1.5	4
3	Increasing heat transfer in 4-stroke SI engine fins by nanocoating. International Journal of Ambient Energy, 2022, 43, 6763-6771.	1.4	1
4	A MULTI-OBJECTIVE GREY RELATIONAL APPROACH AND REGRESSION ANALYSIS ON OPTIMIZATION OF DRILLING PROCESS PARAMETERS FOR GLARE FIBER METAL LAMINATES. Surface Review and Letters, 2022, 29, .	0.5	1
5	OPTIMIZATION OF THE FRICTION DRILLING TOOL FOR HOLE MAKING IN COMMERCIAL COPPER PLATE. Surface Review and Letters, 2022, 29, .	0.5	1
6	Detailed study of performance and emission characteristics of diesel engine fuelled with biodiesel and additive. Transactions of the Canadian Society for Mechanical Engineering, 2021, 45, 496-499.	0.3	2
7	Heat transfer study on finned tube heat exchanger using CFD. International Journal of Ambient Energy, 2021, 42, 239-243.	1.4	1
8	Effect of ethanol fumigation on CNSL oil and diesel blends. International Journal of Ambient Energy, 2021, 42, 823-828.	1.4	0
9	Study on selective surface black chromium-coated copper characteristics of a solar receiver at mid-temperature. International Journal of Ambient Energy, 2021, 42, 279-284.	1.4	7
10	Optimization of coated friction drilling tool for a FML composite. Materials and Manufacturing Processes, 2021, 36, 351-361.	2.7	10
11	Evaluation of mechanical properties of novel <sc>GLARE</sc> laminates filled with nanoclay. Polymer Composites, 2021, 42, 4015-4028.	2.3	14
12	Optimizing the ultrasonication effect in stir-casting process of aluminum hybrid composite using desirability function approach and artificial neural network. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 2007-2021.	0.7	11
13	Microstructure, mechanical properties and corrosion analysis of Sn-0.7Cu+Ga solders joints developed using green concentrated solar energy soldering method. Journal of Materials Science: Materials in Electronics, 2021, 32, 21709-21726.	1.1	2
14	Effect of hybrid fillers of <sc>Mg-Al</sc> layered double hydroxide and nanoclay on the mechanical behavior and formability of glass laminate <sc>AA5052</sc>-reinforced epoxy composites. Polymer Composites, 2021, 42, 6196-6212.	2.3	7
15	Friction Drilling an Emerging Technique in Hole Making Process. , 2021, , 767-775.		0
16	Numerical investigation on possibility of heat transfer enhancement using reduced weight fin configuration. International Journal of Ambient Energy, 2020, 41, 142-145.	1.4	5
17	Experimental study on interfacial heat-transfer coefficients at the casting/die interface in squeeze casting under transient condition. International Journal of Ambient Energy, 2020, 41, 802-807.	1.4	1
18	Study on emissivity and absorptivity effect of black nickel coated copper used in solar receiver tube material. International Journal of Ambient Energy, 2020, 41, 1570-1576.	1.4	3

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19	Atmospheric-temperature-based cooling system control for electronic devices using internet of things. International Journal of Ambient Energy, 2020, 41, 112-116.	1.4	2
20	Investigation of thermal effects on mechanical properties of 9Cr-1Mo to 9Cr-1Mo welded joints for high-temperature applications. International Journal of Ambient Energy, 2020, 41, 582-587.	1.4	1
21	Experimental investigation on heat transfer characteristics of heat exchanger with bubble fin assistance. International Journal of Ambient Energy, 2020, 41, 617-620.	1.4	10
22	Experimental investigation on the performance and emission characteristics of CI engine using waste cotton seed biodiesel with ZNO as a fuel additive. International Journal of Ambient Energy, 2020, 41, 669-673.	1.4	16
23	Study on performance of horizontal single pass shell and multi-tube heat exchanger with baffles by air bubble injection. International Journal of Ambient Energy, 2020, 41, 641-651.	1.4	9
24	Experimental investigation on the performance enhancement of heat transfer characteristics of electronic chip cooling using metal matrix composites. International Journal of Ambient Energy, 2020, 41, 1235-1242.	1.4	4
25	Concentrated solar energy in materials processing. International Journal of Ambient Energy, 2020, 41, 1201-1207.	1.4	11
26	Thermal characterisation study of ZrO ₂ /water nanofluid. International Journal of Ambient Energy, 2020, 41, 918-921.	1.4	12
27	Additive manufactured portable vertical axis windmill. International Journal of Ambient Energy, 2020, 41, 703-706.	1.4	5
28	Study on the heat transfer characteristics of nucleate boiling of water from plain and various space-drilled surfaces. International Journal of Ambient Energy, 2020, 41, 1299-1303.	1.4	4
29	Experimental investigation on natural fibre composite for thermal insulation performance enhancement. International Journal of Ambient Energy, 2020, 41, 1304-1307.	1.4	2
30	Experimental studies on formability of Butt-welded magnesium and aluminium alloy sheets by friction stir welding method. , 2020, , .		1
31	Effect of multi-walled carbon nano-tube on mechanical behavior of glass laminate aluminum reinforced epoxy composites. Polymer Composites, 2020, 41, 4849-4860.	2.3	18
32	Microstructure, Mechanical, and Electrical Properties and Corrosion Analysis of Lead-Free Solder CSI Joints on Cu Substrate Using Novel Concentrated Solar Energy Soldering (CSES) Method. Advances in Materials Science and Engineering, 2020, 2020, 1-16.	1.0	8
33	An overview of corrosion analysis of solder joints. AIP Conference Proceedings, 2020, , .	0.3	3
34	Influence of Dimensionless Parameter on De-Ionized Water-alumina Nanofluid Based Parabolic Trough Solar Collector. Recent Patents on Nanotechnology, 2020, 13, 206-221.	0.7	2
35	Detailed study on the effect of nano-particle size on emission characteristics of diesel engine. Petroleum Science and Technology, 2019, 37, 2018-2024.	0.7	50
36	Regression and Grey relational analysis on friction and wear behavior of AA6061/Al ₂ O ₃ /Si ₃ N ₄ /graphite hybrid nano composites. Materials Research Express, 2019, 6, 085017.	0.8	26

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37	Utilization of induction furnace steel slag in concrete as coarse aggregate for gamma radiation shielding. <i>Journal of Hazardous Materials</i> , 2019, 369, 561-568.	6.5	86
38	Performance Analysis Flow and Heat Transfer Characteristics of Secondary Refrigerant Based SiO ₂ Nanofluid. <i>Materials Today: Proceedings</i> , 2019, 18, 4683-4689.	0.9	7
39	Analysis of Cascade Vapour Refrigeration System with Various Refrigerants. <i>Materials Today: Proceedings</i> , 2019, 18, 4659-4664.	0.9	22
40	Multi-walled carbon nanotube mixed with isopropyl alcohol Nano fluid for heat transfer applications. <i>Materials Today: Proceedings</i> , 2019, 18, 4690-4694.	0.9	12
41	Preparation and property studies of SiO ₂ /H ₂ O nanofluid. <i>Materials Today: Proceedings</i> , 2019, 18, 4816-4820.	0.9	6
42	Experimental Studies On Convective Heat Transfer Coefficient of Al ₂ O ₃ /Ethylene Glycol-Carbon Nano Tube Nanofluids. <i>Materials Today: Proceedings</i> , 2019, 18, 4738-4744.	0.9	1
43	Effect of mass recovery evaporator temperature and condenser temperature on the performance of a solar adsorption-based desalination plant. <i>International Journal of Ambient Energy</i> , 2019, 40, 131-134.	1.4	2
44	Study of performance parameter optimisation of resorption cogeneration utilising heat and mass recovery. <i>International Journal of Ambient Energy</i> , 2019, 40, 111-115.	1.4	4
45	Experimental investigation of lift enhancement by suction-assisted delayed separation of the boundary layer on NACA 0012 airfoil. <i>International Journal of Ambient Energy</i> , 2019, 40, 243-247.	1.4	6
46	Evaluation of mechanical properties of Mg-Al layered double hydroxide as a filler in epoxy-based FML composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 3267-3285.	1.5	17
47	Experimental investigation on radiation heat transfer properties degradation of (black nickel-coated) Tj ETQq1 1 0.784314 rgBT /Overbo	1.4	2
48	Performance and emission characteristics of cashew nut shell oil on the CI engine. <i>International Journal of Ambient Energy</i> , 2019, 40, 563-565.	1.4	10
49	Experimental investigation on radiation heat transfer property degradation of aluminium solar receiver tube material. <i>International Journal of Ambient Energy</i> , 2018, 39, 713-718.	1.4	6
50	Slag-Based Nanomaterial in the Removal of Hexavalent Chromium. <i>International Journal of Nanoscience</i> , 2018, 17, 1760013.	0.4	10
51	An overview of concentrated solar energy and its applications. <i>International Journal of Ambient Energy</i> , 2018, 39, 898-903.	1.4	25
52	Assessment of heat transfer behavior of water based alumina nanofluid. <i>Materials Today: Proceedings</i> , 2018, 5, 20641-20646.	0.9	7
53	Impact of water-based TiO ₂ nanofluid on heat transfer under transition flow. <i>Materials Today: Proceedings</i> , 2018, 5, 20544-20548.	0.9	8
54	Formability analysis for enhancing forming parameters in AA8011/PP/AA1100 sandwich materials. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 113-120.	1.5	10

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55	Evolution and Recent Trends in Friction Drilling Technique and the Application of Thermography. IOP Conference Series: Materials Science and Engineering, 2017, 197, 012058.	0.3	11
56	Experimental Investigation for Characterization of Formability of Epoxy based Fiber Metal Laminates using Erichsen Cupping Test Method. Indian Journal of Science and Technology, 2015, 8, .	0.5	11
57	Review on scope and trends in ergonomic evaluation of work posture in dentistry. , 2010, , .		3
58	Reusing exhausted alkaline battery powder as reinforcement in AA6061 composites and mechanical characterization. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-14.	1.2	3
59	Performance enhancement of solar collector using strip inserts and with water based Al ₂ O ₃ /DI water nanofluids. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-12.	1.2	4
60	Ignition analysis of diesel engine propelled with neat biodiesel containing nanoparticles. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-13.	1.2	4
61	Experimental investigation on the usage of processed oil as a source to fuel the diesel engine. Biomass Conversion and Biorefinery, 0, , 1.	2.9	1
62	EFFECT OF COATING TYPE ON TRIBOLOGICAL RESPONSE OF H13 TOOL STEEL. Surface Review and Letters, 0, , .	0.5	2