

Logesh K

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

536
citations

840119

11
h-index

794141

19
g-index

63
all docs

63
docs citations

63
times ranked

393
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | Detailed study on the effect of nano-particle size on emission characteristics of diesel engine. <i>Petroleum Science and Technology</i> , 2019, 37, 2018-2024. | 0.7 | 50 |
| 3 | Regression and Grey relational analysis on friction and wear behavior of AA6061/Al ₂ O ₃ /Si ₃ N ₄ /graphite hybrid nano composites. <i>Materials Research Express</i> , 2019, 6, 085017. | 0.8 | 26 |
| 4 | An overview of concentrated solar energy and its applications. <i>International Journal of Ambient Energy</i> , 2018, 39, 898-903. | 1.4 | 25 |
| 5 | Analysis of Cascade Vapour Refrigeration System with Various Refrigerants. <i>Materials Today: Proceedings</i> , 2019, 18, 4659-4664. | 0.9 | 22 |
| 6 | Effect of multi-walled carbon nano-tube on mechanical behavior of glass laminate aluminum reinforced epoxy composites. <i>Polymer Composites</i> , 2020, 41, 4849-4860. | 2.3 | 18 |
| 7 | 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 |
| 8 | Experimental investigation on the performance and emission characteristics of CI engine using waste cotton seed biodiesel with ZNO as a fuel additive. <i>International Journal of Ambient Energy</i> , 2020, 41, 669-673. | 1.4 | 16 |
| 9 | Evaluation of mechanical properties of novel GLARE laminates filled with nanoclay. <i>Polymer Composites</i> , 2021, 42, 4015-4028. | 2.3 | 14 |
| 10 | 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 |
| 11 | Thermal characterisation study of ZrO ₂ /water nanofluid. <i>International Journal of Ambient Energy</i> , 2020, 41, 918-921. | 1.4 | 12 |
| 12 | Experimental Investigation for Characterization of Formability of Epoxy based Fiber Metal Laminates using Erichsen Cupping Test Method. <i>Indian Journal of Science and Technology</i> , 2015, 8, . | 0.5 | 11 |
| 13 | Evolution and Recent Trends in Friction Drilling Technique and the Application of Thermography. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 197, 012058. | 0.3 | 11 |
| 14 | Concentrated solar energy in materials processing. <i>International Journal of Ambient Energy</i> , 2020, 41, 1201-1207. | 1.4 | 11 |
| 15 | Optimizing the ultrasonication effect in stir-casting process of aluminum hybrid composite using desirability function approach and artificial neural network. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2007-2021. | 0.7 | 11 |
| 16 | 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 |
| 17 | Slag-Based Nanomaterial in the Removal of Hexavalent Chromium. <i>International Journal of Nanoscience</i> , 2018, 17, 1760013. | 0.4 | 10 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Experimental investigation on heat transfer characteristics of heat exchanger with bubble fin assistance. <i>International Journal of Ambient Energy</i> , 2020, 41, 617-620. | 1.4 | 10 |
| 20 | Optimization of coated friction drilling tool for a FML composite. <i>Materials and Manufacturing Processes</i> , 2021, 36, 351-361. | 2.7 | 10 |
| 21 | Study on performance of horizontal single pass shell and multi-tube heat exchanger with baffles by air bubble injection. <i>International Journal of Ambient Energy</i> , 2020, 41, 641-651. | 1.4 | 9 |
| 22 | 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 |
| 23 | 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. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-16. | 1.0 | 8 |
| 24 | Assessment of heat transfer behavior of water based alumina nanofluid. <i>Materials Today: Proceedings</i> , 2018, 5, 20641-20646. | 0.9 | 7 |
| 25 | 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 |
| 26 | Study on selective surface black chromium-coated copper characteristics of a solar receiver at mid-temperature. <i>International Journal of Ambient Energy</i> , 2021, 42, 279-284. | 1.4 | 7 |
| 27 | Effect of hybrid fillers of <sc>Mg</sc> layered double hydroxide and nanoclay on the mechanical behavior and formability of glass laminate <sc>AA5052</sc>-reinforced epoxy composites. <i>Polymer Composites</i> , 2021, 42, 6196-6212. | 2.3 | 7 |
| 28 | 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 |
| 29 | Preparation and property studies of SiO ₂ /H ₂ O nanofluid. <i>Materials Today: Proceedings</i> , 2019, 18, 4816-4820. | 0.9 | 6 |
| 30 | 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 |
| 31 | Numerical investigation on possibility of heat transfer enhancement using reduced weight fin configuration. <i>International Journal of Ambient Energy</i> , 2020, 41, 142-145. | 1.4 | 5 |
| 32 | Additive manufactured portable vertical axis windmill. <i>International Journal of Ambient Energy</i> , 2020, 41, 703-706. | 1.4 | 5 |
| 33 | 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 |
| 34 | Experimental investigation on the performance enhancement of heat transfer characteristics of electronic chip cooling using metal matrix composites. <i>International Journal of Ambient Energy</i> , 2020, 41, 1235-1242. | 1.4 | 4 |
| 35 | Study on the heat transfer characteristics of nucleate boiling of water from plain and various space-drilled surfaces. <i>International Journal of Ambient Energy</i> , 2020, 41, 1299-1303. | 1.4 | 4 |
| 36 | The effect of crack geometry on mode shapes of a cracked cantilever beam. <i>Australian Journal of Mechanical Engineering</i> , 2022, 20, 969-980. | 1.5 | 4 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | Review on scope and trends in ergonomic evaluation of work posture in dentistry. , 2010, , . | | 3 |
| 40 | 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 |
| 41 | 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 |
| 42 | An overview of corrosion analysis of solder joints. AIP Conference Proceedings, 2020, , . | 0.3 | 3 |
| 43 | Heat transfer study on cylindrical and square thermal energy storage unit. International Journal of Ambient Energy, 2022, 43, 879-882. | 1.4 | 2 |
| 44 | 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 |
| 45 | Effect of mass recovery evaporator temperature and condenser temperature on the performance of a solar adsorption-based desalination plant. International Journal of Ambient Energy, 2019, 40, 131-134. | 1.4 | 2 |
| 46 | Experimental investigation on radiation heat transfer properties degradation of (black nickel-coated) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 P4 | 1.4 | 2 |
| 47 | 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 |
| 48 | Experimental investigation on natural fibre composite for thermal insulation performance enhancement. International Journal of Ambient Energy, 2020, 41, 1304-1307. | 1.4 | 2 |
| 49 | Microstructure, mechanical properties and corrosion analysis of Snâ€“0.7Cuâ€%+â€%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 |
| 50 | 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 |
| 51 | EFFECT OF COATING TYPE ON TRIBOLOGICAL RESPONSE OF H13 TOOL STEEL. Surface Review and Letters, 0, , . | 0.5 | 2 |
| 52 | Experimental Studies On Convective Heat Transfer Coefficient of Al203/Ethylene Glycol-Carbon Nano Tube Nanofluids. Materials Today: Proceedings, 2019, 18, 4738-4744. | 0.9 | 1 |
| 53 | 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 |
| 54 | 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 |

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|----|--|-----|-----------|
| 55 | Experimental studies on formability of Butt-welded magnesium and aluminium alloy sheets by friction stir welding method. , 2020, , . | | 1 |
| 56 | Heat transfer study on finned tube heat exchanger using CFD. International Journal of Ambient Energy, 2021, 42, 239-243. | 1.4 | 1 |
| 57 | 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 |
| 58 | Increasing heat transfer in 4-stroke SI engine fins by nanocoating. International Journal of Ambient Energy, 2022, 43, 6763-6771. | 1.4 | 1 |
| 59 | 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 |
| 60 | OPTIMIZATION OF THE FRICTION DRILLING TOOL FOR HOLE MAKING IN COMMERCIAL COPPER PLATE. Surface Review and Letters, 2022, 29, . | 0.5 | 1 |
| 61 | Effect of ethanol fumigation on CNSL oil and diesel blends. International Journal of Ambient Energy, 2021, 42, 823-828. | 1.4 | 0 |
| 62 | Friction Drilling an Emerging Technique in Hole Making Process. , 2021, , 767-775. | | 0 |