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List of Publications

1. Effect of MoO₃ ceramic oxide reinforcement particulates on the microstructure and corrosion behaviour of Al alloy composites processed by P/M route, B Stalin, GT Sudha, C Kailasanathan, M Ravichandran, Materials Today Communications 25, 101655, 2020.
2. Crystallinity Change and Reduced Warpings on Thin Walled Parts-the Effect of Nano Fumed Silica on Polyacetal, ST Saravanan, C Kailasanathan, E Natarajan, A Ramasamy, Silicon, 1-12, 2020.
3. Thermal Analysis and Optimization of Nano Coated Radiator Tubes Using Computational Fluid Dynamics and Taguchi Method, SSPCK Kailasanathan Coatings 10 (9), 804, 2020
4. Strength characterization of caryota urens fibre and aluminium 2024-T3 foil multi-stacking sequenced SiC-toughened epoxy structural composite, VA Vincent, C Kailasanathan, VK Shanmuganathan, JVSP Kumar, Biomass Conversion and Biorefinery, 1-11, 5, 2020.
5. Modeling and fabrication of automatic blackboard dust remover, V Mohanavel, C Kailasanathan, T Sathish, V Kannadhasan, SVJ Marshal, Materials Today: Proceedings, 2020.
6. Environment effect on microstructure properties of gas tungsten arc welding for titanium and aluminium alloy joints, N Kaliappan, K Chidambarakuttalam, Indian Journal of Engineering & Material Sciences 27 (June, 2020), 757 – 763, 2020.
7. Study on formability and strain hardening index: influence of particle size of boron carbide (B₄C) in magnesium matrix composites fabricated by powder metallurgy technique, PR Rajkumar, C Kailasanathan, A Senthilkumar, N Selvakumar, Materials Research Express 7 (1), 016597, 4, 2020.
8. Design of a Nano Coated Heat Exchanger Working With Organic Nanofluids Using Hybrid Technique, SP Kailasanathan C, Transactions of the Canadian Society for Mechanical Engineering, <https://doi.org/10.1139/tcsme-2020-0080>.
9. A NOVAL COOLING SYSTEM FOR BUILDINGS USING PHASE CHANGE MATERIAL, SP Ganesan.K, Kailasanathan.C, LAP LAMBERT Academic Publishing 1, 33, 2020.
10. Experimental Investigation on Surface morphology and Parametric Optimization of Ti- 6Al- 2Sn- 4Zr- 2Mo alpha-beta alloy through AWJM, GVPRR A.Perumal. A.Azhagurajan, S. Suresh Kumar, C.Kailasanathan, R Tierärztliche Praxis 40 (1), 1681-1703, 2020.
11. Investigation on un-peened and laser shock peened dissimilar weldments of Inconel 600 and AISI 316L fabricated using activated-TIG welding technique, G Chandrasekar, C Kailasanathan, M Vasundara, Journal of Manufacturing Processes 35, 466-478 10, 2018.
12. A new assessment on mechanical properties of jute fiber mat with egg shell powder/nanoclay-reinforced polyester matrix composites, K Ganesan, C Kailasanathan, MR Sanjay, P Senthamaraiannan, Journal of Natural Fibers, 11, 2018.
13. A Review of Surface Coating Technology to Increase the Heat Transfer, SP C.Kailasanathan, International Journal of Mechanical Engineering and Robotics Research 7 (5), 4* 2018.
14. Investigation on un-peened and laser shock peened weldment of Inconel 600 fabricated by ATIG welding process, G Chandrasekar, C Kailasanathan, DK Verma, Materials Science and Engineering: A 690, 405-417, 12, 2017.

15. Optimization of welding parameters, influence of activating flux and investigation on the mechanical and metallurgical properties of activated TIG weldments of AISI 316 L, G Chandrasekar, C Kailasanathan, DK Verma, K Nandagopal, Transactions of the Indian Institute of Metals 70 (3), 671-684,10,2017.
16. Evaluation and optimization of joining parameters for dissimilar materials of titanium and aluminum alloys, K Nandagopal, C Kailasanathan, G Chandrasekar, Advances in Natural and Applied Sciences 11(2), 1-7,2017.
17. Experimental investigation on the effects of cerium oxide nanoparticle on Calophyllum inophyllum (Punnai) biodiesel blended with diesel fuel in DI diesel engine modified by ... G Vairamuthu, S Sundarapandian, C Kailasanathan, B Thangagiri, Journal of the Energy Institute 89 (4), 668-682, 60, 2016.
18. Analysis of mechanical properties and optimization of gas tungsten Arc welding (GTAW) parameters on dissimilar metal titanium (6Alsingle bond4V) and aluminium 7075 by Taguchi, K Nandagopal, C Kailasanathan, Journal of Alloys and Compounds 682, 503-516, 50, 2016.
19. Study on the evaluation of mechanical and thermal properties of natural sisal fiber/general polymer composites reinforced with nanoclay, B Venkatram, C Kailasanathan, P Seenikannan, S Paramasamy, International Journal of Polymer Analysis and Characterization 21 (7), 647-656, 10, 2016.
20. Influence of alumina reinforcement on nano-hydroxyapatite/biopolymer composite for biomedical applications, C Kailasanathan, N Selvakumar, International Journal of Polymer Analysis and Characterization 21 (6), 554-562, 2, 2016.
21. Experimental Investigation of Heat Transfer Rate for Automobiles Using Natural Preservatives, PS T. Ganesan, C. Kailasanathan, The international journal of science & technolodge 4 (6), 38-48, 2016.
22. Experimental Analysis of Solar Still using different Thermal Energy Storage Materials, S Sivakumar, P Seenikannan, R Anandakumar, C Kailasanathan, Asian Journal of Research in Social Sciences and Humanities 6 (10), 1688-1702, 2016.
23. Experimental Analysis of Solar Still using different Thermal Energy Storage Materials", CK S. Sivakumar, P. Seenikannan, R. Anandakumar, Asian Journal of Research in Social Sciences and Humanities 6 (10), 1688-1702, 2016.
24. Optimization of Fatigue Strength on Dissimilar Titanium and Aluminum Alloy Joints Using GTAW through Response Surface Methodology, CKGC K. Nandagopal, International Journal of Printing, Packaging & Allied Sciences, 4 (3), 2036-2045, 2016.
25. Influence of bio inert Silica on mechanical properties and their dependence on porosity of nanocrystalline based hydroxyapatite/gelatin composites synthesized by C Kailasanathan, T Gangadharan, J Austral Ceram Soc 52, 52-61, 2, 2016.