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LIST OF PUBLICATIONS:

YEAR 2019:

1. S Soundararaj, T Christopher, K Kalaichelvan (2019) "Process Parameter Correlation in Low Pressure Hydro Forming of 6063-O Aluminium Tubes" Mechanics 25 (1), 64-72
2. T Geethapriyan, T Muthuramalingam, K Kalaichelvan (2019) "Influence of Process Parameters on Machinability of Inconel 718 by Electrochemical Micromachining Process using TOPSIS Technique" Arabian Journal for Science and Engineering 44 (9), 7945-7955

YEAR 2018:

3. G Kumaresan, K Kalaichelvan (2018) "Formability Analysis on Superplastic Forming of AZ91 Magnesium Alloy Sheet" Defect and Diffusion Forum 385, 437- 442
4. K Kalaichelvan (2018) "Analysis of 3-Point Bending Characteristics of AA6061 Miniature Specimens"
5. S Jesudass Thomas, K Kalaichelvan (2018) "Comparative study of the effect of surface texturing on cutting tool in dry cutting" Materials and Manufacturing Processes 33 (6), 683-694
6. JS Kumar, K Kalaichelvan (2018) "Taguchi-grey multi-response optimization on structural parameters of honeycomb core sandwich structure for low velocity impact test" Silicon 10 (3), 879-889
7. T Geethapriyan, K Kalaichelvan (2018), T Muthuramalingam, A Rajadurai "Performance analysis of process parameters on machining α - β titanium alloy in

electrochemical micromachining process” Proceedings of the Institution of Mechanical Engineers, Part B: Journal of ...

8. K Murugesan, K Kalaichelvan (2018), MP Jenarathanan, T Sornakumar “Enhancement of vibration characteristics in filament wound FRP composite shafts using nitinol wires” Pigment & Resin Technology

YEAR 2017:

9. JS Kumar, K Kalaichelvan (2017), "Taguchi-Grey Multi-Response Optimization on Structural Parameters of Honeycomb Core Sandwich Structure for Low Velocity Impact Test", Silicon, 1-11

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10. G Kumaresan, K Kalaichelvan (2016), "An Analysis of Superplastic Forming in a Re-Entrant Shape" Materials Science Forum 838, 540

11. KM Bak, K Kalaichelvan (2016), "Fabrication and Testing of Hybrid Composite plates for Stealth Aircraft using Microwave Oscillator", Invertis Journal of Science & Technology 9 (2), 112-117.

12. T Geethapriyan, K Kalaichelvan (2016), "Experimental Investigation of Electrochemical Micromachining Process Parameters on Pure-Titanium Using Taguchi-Grey Relational Analysis", Applied Mechanics and Materials 852, 198-204

13. V Thiagarajan, K Kalaichelvan (2016), R Vijay, DL Singaravelu, "Influence of thermal conductivity and thermal stability on the fade and recovery characteristics of non-asbestos semi-metallic disc brake pad", Journal of the Brazilian Society of Mechanical Sciences and Engineering 38.

14. T Geethapriyan, K Kalaichelvan (2016), T Muthuramalingam, "Multi performance optimization of electrochemical micro-machining process surface related parameters on machining Inconel 718 using Taguchi-grey relational analysis", METALLURGIA ITALIANA, 13-19

15. MRP Kumar, K Prakasan, K Kalaichelvan (2016) , "Experimental investigation and multiphysics simulation on the influence of micro tools with various end profiles on diametrical overcut of holes machined using electrochemical micromachining for a predetermined optimum combination of process parameters", Russian Journal of Electrochemistry 52 (10), 943-954

16. T Geethapriyan, K Kalaichelvan (2016), T Muthuramalingam, A Rajadurai, " Performance analysis of process parameters on machining α - β titanium alloy in electrochemical micromachining process", Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 0954405416673103.
17. T Geethapriyan, K Kalaichelvan (2016), T Muthuramalingam, "Influence of Coated Tool Electrode on Drilling Inconel Alloy 718 in Electrochemical Micro Machining", Procedia CIRP 46, 127-130

YEAR 2015:

18. L Poovazhagan, K Kalaichelvan (2015), VR Balaji, P Haripriya, SC Amith, " Upshot of Ultrasonic Amplitude on Developing the AA6061/SiC Metal Matrix Nanocomposites", Applied Mechanics and Materials 787, 558-562.
19. K Kalaichelvan (2015), HYBRID NANOCOMPOSITES- A REVIEW, Applied Mechanics & Materials
20. KM Bak, K Kalaichelvan (2015), "Evaluation of Failure Modes of Pure Resin and Single Layer of Adhesively Bonded Lap Joints Using Acoustic Emission Data" Transactions of the Indian Institute of Metals 68 (1), 73-82
21. M Kannan, K Kalaichelvan (2015), T Sornakumar, "Development and mechanical testing of filament wound FRP composite components", Applied Mechanics and Materials 787, 578-582.