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Composite materials, Design and Manufacturing

Publications (International)-Last Five Years (2016-2020)

- 1. T. Ramkumar, M. Selvakumar, P. Narayanasamy, A. Ayisha Begam, P. Mathavan, A. Arun Raj, Studies on the structural property, mechanical relationships and corrosion behaviour of Inconel 718 and SS 316L dissimilar joints by TIG welding without using activated flux, Journal of Manufacturing Processes, Volume 30, 2017, Pages 290-298
- 2. T.Ramkumar, P. Narayanasamy, M. Selvakumar, P. Balasundar, Effect of B4C reinforcement on the dry sliding wear behaviour of ti-6al-4v/b4c sintered composites using response surface methodology, Arch. Metall. Mater. 63 (2018), 3, 1179-1200.
- 3. T. Ramkumar, M. Selvakumar, R. Vasanthsankar, A.S. Sathishkumar, P. Narayanasamy, G. Girija, Rietveld refinement of powder X-ray diffraction, microstructural and mechanical studies of magnesium matrix composites processed by high energy ball milling, Journal of Magnesium and Alloys, Volume 6, Issue 4, 2018, Pages 390-398.
- 4. Ramkumar Thulasiram, Selvakumar Mani, Narayanasamy Pandiarajan, Balasundar Pandiarajan, Effect of B4C in Ti-6Al-4V matrix on workability behavior of powder metallurgy composites during cold upsetting, Volume 10, Issue 12, December 2018 Pages: 1146-1152.
- 5. Selvakumar, M., Ramkumar, T., Mohanraj, M., P. Narayanasamy et al. Experimental investigations of reciprocating wear behavior of metal matrix (Ti/TiB) composites. Archiv.Civ.Mech.Eng 20, 26 (2020).

- 6. Ramkumar, T., Selvakumar, M., Mohanraj, P. Narayanasamy M. et al. Microstructure and Corrosion Behavior of ZnO-Mg Coating on AISI 4140 Steel Fabricated by Spray Coating. J. of Materi Eng and Perform 29, 5796–5806 (2020).
- 7. Narayanasamy, P., Selvakumar, M., Ramkumar, T. et al. Characterization of mechanical, electrical and thermal properties of Ag nanoparticle-reinforced Al6061 alloy. J Therm Anal Calorim (2020).
- 8. Selvakumar, M., Ramkumar, T. & Chandrasekar, P. Thermal characterization of titanium–titanium boride composites. J Therm Anal Calorim 136, 419–424 (2019).
- 9. Ramkumar, T., Selvakumar, M., Mohanraj, M. et al. Experimental investigation and analysis of drilling parameters of metal matrix (Ti/TiB) composites. J Braz. Soc. Mech. Sci. Eng. 41, 8 (2019).
- 10. Thulasiram, Ramkumar, Mani, Selvakumar, Murugesan, Mohanraj, Palanisamy, Chandrasekar, Kaliaraj, Gobi Saravanan, Effect of TiB Addition on Corrosion Behavior of Titanium Composites under Neutral Chloride Solution, Transactions of the Indian Ceramic Society, Volume 78, 2019 Issue 3, Pages 155-160.
- 11. Selvakumar, M., Ramkumar, T., Mohanraj, M. et al. Experimental investigations of reciprocating wear behavior of metal matrix (Ti/TiB) composites. Archiv.Civ.Mech.Eng 20, 26 (2020).
- 12. Sreejith S Nair, T Ramkumar, M Selva kumar, Fabian Netto, Experimental investigation of dry turning of AISI 1040 steel with TiN coated insert, Engineering Research Express, Volume 1, Number 2,2019.
- 13. T. Kasirajan, R. Ravindran, T. Ramkumar, M. Selvakumar, Investigation of the microstructural, mechanical, and thermal evolution of dissimilar aluminium alloys during friction stir welding, Volume 44, Number 1,2020,38-48.
- 14. Hariharan, K., Arumaikkannu, G.,Ramkumar, T., Selvakumar, M., Material stability investigation of polyamide material before and after laser sintering, International Journal of Polymer Analysis and Characterization, Volume 25, 2020 Issue 3,1-8