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1. **Kumar, S. R.**, Ravishankar, B., & Vijay, M. (2020). Prediction and analysis of magnetically impelled arc butt welded dissimilar metal. *Materials Today: Proceedings*, 27, 2037-2041.
2. Naveenkumar, R., **Kumar, S. R.**, PushyanthKumar, G., & Kumaran, S. S. (2020). NO_x, CO & HC control by adopting activated charcoal enriched filter in catalytic converter of diesel engine. *Materials Today: Proceedings*, 22, 2283-2290.
3. Jenarthanan, M. P., Jeyapaul, R., & **Ramesh Kumar, S.** (2017). Comparative analysis of delamination factor prediction using RSM and ANN during endmilling of GFRP composites. *Australian Journal of Mechanical Engineering*, 15(2), 111-124.
4. Naveenkumar, R., **S. Ramesh Kumar**, R. Giridharan, and S. Senthil Kumaran. "Thermal Performance Enhancement in a Plain Tube fitted with perforated twisted tape insert using water based Al₂O₃ Nanofluid." *Materials Today: Proceedings* 22 (2020): 2274-2282.
5. SreeArravind, M., **Kumar, S. R.**, RaviShankar, B., & Kumar, S. S. (2020). Low cycle fatigue behavior of aluminium 6063 alloy under the cyclic frequency of 0.2 Hz. *Materials Today: Proceedings*, 27, 2376-2380.
6. **Kumar, S. R.**, Sreearravind, M., Sainathan, S., Venkat, A., Rahulram, S., Kumar, S. S., & Kumaran, S. S. (2020). Low Cycle Fatigue behavior of heat treated EN-47 Spring Steel. *Materials Today: Proceedings*, 22, 2191-2198.
7. **Kumar, S. R.**, Kumaran, S. S., Ramesh, G., Sree Arravind, M., & Venkateswarlu, D. (2019). X-Ray Diffraction and Microstructure Analysis of En47 Spring Steel at Various Soaking Period of Time. In *Materials Science Forum* (Vol. 969, pp. 104-109). Trans Tech Publications Ltd.
8. **Kumar, S. R.**, Kumaran, S. S., Ramesh, G., Sree Arravind, M., & Venkateswarlu, D. (2019). Effect of Soaking Time on Evolution of Microstructure and Hardness during Annealing of EN-47 Spring Steel. In *Materials Science Forum* (Vol. 969, pp. 427-432). Trans Tech Publications Ltd.
9. Vittel Rao, R. R. K. R., Gudimetla, K., Kumar, M. S., **Kumar, S. R.**, & Venkatachalam, P. (2019). Analysis of the Tribological Properties of Commercial Pure (CP) Aluminum Developed by Chip Consolidation through Equal Channel Angular Pressing (ECAP). In *Materials Science Forum* (Vol. 969, pp. 361-366). Trans Tech Publications Ltd.
10. **Kumar, S. R.**, Kumaran, S. S., Sree Arravind, M., & Venkateswarlu, D. (2019). Effect of Microstructure and Mechanical Properties of Austenitic Stainless Steel 1.6 mm Butt Welded by Plasma Arc Welding. In *Materials Science Forum* (Vol. 969, pp. 619-624). Trans Tech Publications Ltd.

11. Gudimetla, K., Mohanlal, S., Sankuru, A. B., **Kumar, S. R.**, Venkatachalam, P., & Ravisankar, B. (2019). Effect of Back Pressure on the Consolidation Behaviour of Titanium Sponge Particles Processed by ECAP. In *Materials Science Forum* (Vol. 969, pp. 565-569). Trans Tech Publications Ltd.
12. Sree Arravind, M., **Kumar, S. R.**, Kumaran, S. S., & Venkateswarlu, D. (2019). Effect of Mechanical Properties and Corrosion Behaviour of Martensitic Stainless Steel 410 1.6 mm Butt Welded by Plasma Arc Welding. In *Materials Science Forum* (Vol. 969, pp. 601-606). Trans Tech Publications Ltd.
13. **Kumar, S. R.**, Shankar, V. H., Sangeethaa, R. K., & Tejaswy, K. S. (2019). Prediction and Analysis of Microstructure and Mechanical Properties After Equal Channel Angular Pressing of EN 47 Spring Steel. In *Advances in Materials and Metallurgy* (pp. 455-466). Springer, Singapore.
14. Kumaran, S. S., Srinivasan, N., **Kumar, S. R.**, Sekarapandian, N., & Venkateswarlu, D. (2019). Metal Joining Technique of SA 213 Tube and SA 387 Tube Plate Grade Materials Using Backing Block by Clearance Fit Condition. In *Materials Science Forum* (Vol. 969, pp. 709-714). Trans Tech Publications Ltd.
15. **Kumar, S. R.**, Gudimetla, K., Mohanlal, S., & Ravisankar, B. (2019). Effect of Mechanically Alloyed Graphene-Reinforced Aluminium by Equal Channel Angular Pressing (ECAP). *Transactions of the Indian Institute of Metals*, 72(6), 1437-1441.
16. **Kumar, S. R.**, Singh, A. K., Sandeep, S., & Aravind, P. (2018). Investigation on Microstructural behavior and Mechanical Properties of plasma arc welded dissimilar butt joint of austenitic-ferritic stainless steels. *Materials Today: Proceedings*, 5(2), 8008-8015.
17. Arunkumar, S., Sathiya, P., Devakumaran, K., & **Kumar, S. R.** (2018). Microstructural and Mechanical Characterization of as Weld and Aged Conditions of AA2219 Aluminium Alloy by Gas Tungsten Arc Welding Process. *Russian Journal of Non-Ferrous Metals*, 59(1), 93-101.
18. Ramesh, G., Sudhan, K. H., Sreehari, P., & **Kumar, S. R.** (2018). Influence of process parameters on solidification behavior of ZA-8 alloy. *Materials Today: Proceedings*, 5(1), 2726-2732.
19. Jenarthanam, M. P., **Kumar, S. R.**, Venkatesh, G., & Nishanthan, S. (2018). Analysis of leaf spring using Carbon/Glass Epoxy and EN45 using ANSYS: A comparison. *Materials Today: Proceedings*, 5(6), 14512-14519.
20. Gudimetla, K., **Kumar, S. R.**, Ravisankar, B., Prathipati, R. P., & Kumaran, S. (2018, March). Consolidation of commercial pure aluminum particles by hot ECAP. In *IOP Conference Series: Materials Science and Engineering* (Vol. 330, p. 012031).
21. **Kumar, S. R.**, Sankar, V. H., Arunvinthan, S., & Nadarajapillai, S. (2018). Structure and Properties of Al Mg alloy Processed by Equal Channel Angular pressing at different channel angles–90o, 120o. *Materials Today: Proceedings*, 5(10), 21482-21488.
22. Ramesh, G., Rahul, R., Pradeep, M., Sreehari, P., & **Kumar, S. R.** (2018). Evolution of microstructure and mechanical properties of D2 tool steel during annealing heat treatment. *Materials Today: Proceedings*, 5(1), 2733-2737.

23. Jenarthanan, M. P., **Ramesh Kumar, S.**, & Jeyapaul, R. (2016). Modelling of machining force in end milling of GFRP composites using MRA and ANN. *Australian Journal of Mechanical Engineering*, 14(2), 104-114.
24. Gudimetla, K., Jampana, G. V., **Kumar, S. R.**, Ravisankar, B., & Kumaran, S. (2015). Effect of Equal Channel Angular Pressing on Densification Behavior of Al 5083 Alloy Powder. In *Materials Science Forum* (Vol. 830, pp. 63-66). Trans Tech Publications Ltd.
25. Gudimetla, K., **Kumar, S. R.**, Ravisankar, B., & Kumaran, S. (2015). Densification of Al 5083 mechanically alloyed powder by equal channel angular pressing. *Transactions of the Indian Institute of Metals*, 68(2), 171-176.