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Last 5 Years Publications

1. P.Ramkumar, **S.J. Vijay**, S.Mohanasundaram, Novel solid-state metal additive manufacturing technique: Experiments and investigations, (2019) International Journal of Mechanical Engineering and Technology, 10(2), pp. 809-816.
2. **S.J. Vijay**, Alexandre Tugirumubano, Sun Ho Go, Lee Ku Kwac, Hong Gun Kim, Electrospinning of PAN-Hematite Composite Nanofiber, (2019) Lecture Notes in Mechanical Engineering, pp. 495-502.
3. Mona Sahu, **S.J. Vijay**, M. Wilson Kumar, S. Darius Ganandaraj, Design and Fabrication of an Automated Seat Pan and Armrest height adjustable chair, (2018) International Journal of Mechanical Engineering and Technology, 9(13), pp. 45-53.
4. K. John Joushua, **S.J. Vijay**, D. Philip Selvaraj, Effect of Nano TiO₂ Particles on Microhardness and Microstructural Behavior of AA7068 Metal Matrix Composites, (2018) Ceramics International, 44(17), pp. 20774-20781. [IF:3.057]
5. Jims John Wessley, GaithFrankling, **S.J.Vijay**, Fabrication and Mechanical Characterization of Stir Cast AA6063-Borosilicate-Fry Ash Hybrid Metal Matrix Composites, (2018) International Journal of Engineering & Technology, 7(3.6), pp. 101-105. [IF:0.001]
6. Alexandre Tugirumubano, **S.J. Vijay**, Sun Ho Go, Lee Ku Kwac, Hong Gun Kim, The Evaluation of Electromagnetic Shielding Properties of CFRP/Metal Mesh Hybrid Woven Laminated Composites, (2018) Journal of Composite Materials, 10.1177/00219983187750511. [IF:1.494]
7. Alexandre Tugirumubano, **Santhiyagu Joseph Vijay**, Sun Ho Go, Lee Ku Kwac, Hong Gun Kim, Investigations of Mechanical and Electromagnetic Interference Shielding Properties of Nickel-CFRP Textile Composites, (2018) Journal of Materials Engineering and Performance, 10.1007/s11665-018-3334-6 [IF:1.331]
8. Suresh, M., Balasubramanian, K., Rajakumar S. Rai, Mohanasundaram, S., **Vijay, S.J.**, Development and Investigation of Fade Stop Brake Cooler in Automobiles, (2018) International Journal of Pure and Applied Mathematics, 119 (7), pp. 899-904 [IF:0.332]
9. **Vijay, S.J.**, Alexandre Tugirumubano, Sun Ho Go, Lee Ku Kwac, Hong Gun Kim, Numerical Simulation and Experimental Validation of Electromagnetic Properties for Al-MWCNT-Fe₂O₃ Hybrid Nano-Composites, (2017) Journal of Alloys and Compounds, 731, pp. 465-470. [IF:3.133]
10. Alexandre Tugirumubano, **Santhiyagu Joseph Vijay**, Sun Ho Go, Lee Ku Kwac, Hong Gun Kim, Characterization of Electromagnetic Interference Shielding Composed of Carbon Fibers Reinforced Plastics and Metal Wire Mesh based Composites, (2017) Journal of Materials Research and Technology, 10.1016/j.jmrt.2017.08.013. [IF:2.359]

11. Mathew, N., Dinaharan, I., **Vijay, S.J.**, Murugan, N., Microstructure and Mechanical Characterization of Aluminum Seamless Tubes Produced by Friction Stir Back Extrusion, (2016) Transactions of the Indian Institute of Metals, 69 (10), pp. 1811-1818. [IF:0.533]
12. Dinaharan, I., Nelson, R., **Vijay, S.J.**, Akinlabi, E.T., Microstructure and wear characterization of aluminum matrix composites reinforced with industrial waste fly ash particulates synthesized by friction stir processing, (2016) Materials Characterization, 118, pp. 149-158. [IF:2.714]
13. Lijay, K.J., Selvam, J.D.R., Dinaharan, I., **Vijay, S.J.**, Microstructure and mechanical properties characterization of AA6061/TiC aluminum matrix composites synthesized by in situ reaction of silicon carbide and potassium fluotitanate, (2016) Transactions of Nonferrous Metals Society of China (English Edition), 26 (7), pp. 1791-1800. [IF:1.342]
14. Thangarasu, A., Murugan, N., Dinaharan, I., **Vijay, S.J.**, Synthesis and characterization of titanium carbide particulate reinforced AA6082 aluminium alloy composites via friction stir processing, (2015) Archives of Civil and Mechanical Engineering, 15 (2), pp. 324-334. [IF:2.216]
15. Ramabalan, S., Michael Rajan, H.B., Dinaharan, I., **Vijay, S.J.**, Experimental investigation of MRR on in situ formed AA7075/TiB₂ cast composites machining by wire EDM, (2015) International Journal of Machining and Machinability of Materials, 17 (3-4), pp. 295-318. [IF:0.55]
16. Sathiskumar, R., Dinaharan, I., Murugan, N., **Vijay, S.J.**, Influence of tool rotational speed on microstructure and sliding wear behavior of Cu/B₄C surface composite synthesized by friction stir processing, (2015) Transactions of Nonferrous Metals Society of China (English Edition), 25 (1), pp. 95-102. [IF:1.342]