

Dr. S. Julyes Jaisingh

List of publications

1. Effect of Nanosilica and Weave Geometry on Weld Properties of Friction Stir Welded Nylon 6–6 Thick Plates. Silicon ISSN 1876-990X, DOI 10.1007/s12633-020-00845-z
2. Fatigue analysis of thermal shrink-fit autofrettage in pressure cylinder using finite element analysis, Journal of Material Research and Technology, . 2 0 2 0;9(4):8606–8617
3. Visco-Elastic, Thermal, Antimicrobial and Dielectric Behaviour of Areca Fibre-Reinforced Nano-silica and Neem Oil-Toughened Epoxy Resin BioComposite, SiliconJB Samuel, SJ Jaisingh, K Sivakumar, AV Mayakannan, VR , 2020, 1-10 Arunprakash, <https://doi.org/10.1007/s12633-020-00569-0>.
4. Wear and corrosion behaviour of Ti-based coating on biomedical implants, Surface Engineering, <https://doi.org/10.1080/02670844.2020.1730058>.
5. Role of Magnetite (Fe₃O₄)-Titania (TiO₂) hybrid particle on mechanical, thermal and microwave attenuation behaviour of flexible natural rubber composite in X and Ku band frequencies. VRA Prakash, A Rajadurai, V Jayaseelan, SJ Das, M Murali, SJ Jaisingh Materials Research Express 6 (7), 07611313 2019 <https://doi.org/10.1088/2053-1591/ab6389>.
6. Mechanical strength behaviour of Silane treated E-glass fibre/Al 6061 & SS-304 wire mesh reinforced epoxy resin hybrid composite,VRA Prakash,SJ Jaisingh, Silicon 10 (5), 2279-22862018
7. Thermo-mechanical properties of unsaturated polyester toughened epoxysiliconized iron (III) oxide nanocompositesSJ Jaisingh, V Selvam, M Kumar, K ThyagarajanNISCAIR-CSIR, India 2014
8. Development and mechanical studies of glass/banana fiber hybrid reinforced silica nano particles with epoxy bio-nanocompositesG Navaneethakrishnan, V Selvam, SJ JaisinghJ. Chem. Pharm. Sci 7,197-199, 2015
9. Studies on Mechanical Properties of Kevlar Fiber Reinforced Iron (III) Oxide Nanoparticles Filled Up/Epoxy NanocompositesSJ Jaisingh, V Selvam, M Suresh Chandra Kumar, K ThyagarajanAdvanced Materials Research 747, 409-412 2013

10. Effect of Silane Functionalization on the Properties of Iron Oxide Nanoparticles/UP Toughened Epoxy NanocompositesSJ Jaisingh, V Selvam, M Kumar, K ThyagarajanAdvanced Materials Research 651, 154-158, 2013
11. Effect of Nanosilica and Weave Geometry on Weld Properties of Friction Stir Welded Nylon 6–6 Thick PlatesR Vibin, SJ Jaisingh, G Ramesh, D Jayabalakrishnan, VR ArunprakashSilicon, 1-9 2020
12. Mechanical Studies on Chitosan Functionalized Multiwalled Carbon Nanotube Reinforced Epoxy BionanocompositesV Selvam, MSC Kumar, SJ Jaisingh, M VadivelAsian Journal of Chemistry 26 (24), 8471 2014
13. Mechanical properties of glass fibre reinforced Unsaturated Polyester toughened epoxy/siliconized iron (III) oxide nanocompositesSJ Jaisingh, K Thyagarajan, V Selvam, MSC KumarLife Science Journal 10 (2) 2013