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Authors	Title	Year	Source title
Isaac Premkumar I.J., Prabhu A., Vijayan V., Godwin Antony A., Venkatesh R.	Combustion analysis of biodiesel blends with different piston geometries	2020	Journal of Thermal Analysis and Calorimetry
Beemaraj R.K., Chandra Sekar M.S., Vijayan V.	Computer vision measurement and optimization of surface roughness using soft computing approaches	2020	Transactions of the Institute of Measurement and Control
Parameswaran P., Rameshbabu A.M., Vijayan V., Sathish Kumar G., Sakthivel C., Pargunam N., Godwin Antony A.	Phase evolution and characterization of mechanically alloyed hexanary Al _{16.6} Mg _{16.6} Ni _{16.6} Cr _{16.6} Ti _{16.6} Mn _{16.6} high entropy alloy	2020	Metal Powder Report
Sathish T., Saravanan S., Vijayan V.	Effect of reinforced aluminium alloy LM30 with pure ceramic particles to evaluate hardness and wear properties	2020	Materials Research Innovations
Balu M., Lingadurai K., Shanmugam P., Raja K., Bhanu Teja N., Vijayan V.	Biodiesel production from caulerpa racemosa (macroalgae) oil	2020	Indian Journal of Geo-Marine Sciences
Parkunam N., Pandiyan L., Navaneethakrishnan G., Arul S., Vijayan V.	Experimental analysis on passive cooling of flat photovoltaic panel with heat sink and wick structure	2020	Energy Sources, Part A: Recovery, Utilization and Environmental Effects
Dhandayuthabani M., Jegadheeswaran S., Vijayan V., Antony A.G.	Mathematical prospective of latent heat storage system with CuO micro particle enhancement	2020	Applied Mathematics and Information Sciences
Dhandayuthabani M., Jegadheeswaran S., Vijayan V., Antony A.G.	Investigation of latent heat storage system using graphite micro-particle enhancement	2020	Journal of Thermal Analysis and Calorimetry
Srinivasan R., Vijayan V.	Optimal ordering strategy pricing model with worsening materials in fuzzy environment	2020	Materials Today: Proceedings
Mukesh Kumar P.C., Palanisamy K., Vijayan V.	Stability analysis of heat transfer hybrid/water nanofluids	2020	Materials Today: Proceedings
Suresh Isravel R., Saravanan S., Vijayan V.	A review of material and coatings in solar collectors	2020	Materials Today: Proceedings
Rajaguru K., Karthikeyan T., Vijayan V.	Additive manufacturing-State of art	2020	Materials Today: Proceedings
Thiyagarajan K., Jayaraman M., Vijayan V., Ramkumar R.	Cluster analysis of lost foam casted Al-Zn-Mg-Cu alloy with K-mean algorithm	2020	Journal of New Materials for Electrochemical Systems
Bovas Herbert Bejaxhin A., Paulraj G., Jayaprakash G., Vijayan V.	Measurement of roughness on hardened D-3 steel and wear of coated tool inserts	2020	Transactions of the Institute of Measurement and Control

Saravanan S., Balan A.V., Dinesh S., Vijayan V.	Electrochemical machining behaviour of AA6063-TiC composites by using response surface methodology	2020	Materials Today: Proceedings
Suresh Isravel R., Raja M., Saravanan S., Vijayan V.	Thermal augmentation in parabolic trough collector solar water heater using rings attached twisted tapes	2020	Materials Today: Proceedings
Thanikaikarasan S., Perumal R., Vijayan V., Venkatamuthukumar J.	Structural, compositional and optical properties of electrochemically grown iron diselenide thin films	2020	Materials Today: Proceedings
Thanikaikarasan S., Karthickprabhu S., Dhanasekaran D., Vijayan V.	Physical, chemical and optical properties of CdSe and CdSe:Zn thin films obtained through low cost electrochemical route	2020	Materials Today: Proceedings
Perumal R., Thanikaikarasan S., Hassan Z., Vijayan V.	Assessment of structural, morphological and optical properties of ZnO thin films grown by physical and chemical techniques	2020	Materials Today: Proceedings
Perumal R., Thanikaikarasan S., Saravannan R., Vijayan V.	Growth and characterisation of zinc oxide thin films by sputtering technique	2020	Materials Today: Proceedings
SathishKumar G., Parameswaran P., Vijayan V., Yokeswaran R.	Effects of Ca, Cu concentration on degradation behavior of Zn alloys in Hank's solution	2020	Metal Powder Report
Rajaguru K., Vijayan V., Saravanan S., Antony A.G.	Experimental analysis on mechanical behaviour of E-glass fiber reinforced with polyaromatic hydrocarbon composites	2020	International Journal of Vehicle Structures and Systems
kishore G., Parthiban A., Krishnan A.M., Krishnan B.R., Vijayan V.	Experimental Investigation of Mechanical and Wear Properties of AL7075/Al2O3/MICA Hybrid Composite	2020	Journal of Inorganic and Organometallic Polymers and Materials
Loganathan M., Dinesh S., Vijayan V., Ranjithkumar M., Rajkumar S.	Experimental investigation of tensile strength of fiber reinforced polyester by using chicken feather fiber	2020	Journal of New Materials for Electrochemical Systems
Loganathan M., Dinesh S., Vijayan V., Karuppusamy T., Rajkumar S.	Investigation of mechanical behaviour on composites of Al6063 alloy with silicon, graphite and fly ash	2020	Journal of New Materials for Electrochemical Systems
Vijayan V., Vivekanandan M., Venkatesh R., Rajaguru K., Godwin Antony A.	CFD modeling and analysis of a two-phase vapor separator	2020	Journal of Thermal Analysis and Calorimetry
Krishnaswamy H., Muthukrishnan S., Thanikodi S., Arockiaraj G.A., Venkatraman V.	Investigation of air conditioning temperature variation by modifying the structure of passenger car using computational fluid dynamics	2020	Thermal Science
Muthukrishnan S., Krishnaswamy H., Thanikodi S., Sundaresan D., Venkatraman V.	Support vector machine for modelling and simulation of heat exchangers	2020	Thermal Science
Thanikodi S., Singaravelu D.K., Devarajan C., Venkatraman V.,	Teaching learning optimization and neural network for the effective prediction of heat transfer rates in tube	2020	Thermal Science

Rathinavelu V.	heat exchangers		
Ram Kumar R., Jaya Suthahar S.T., Sakthivel C., Vijayan V., Yokeswaran R.	Performance analysis of solar water heater by using TiO ₂ nanofluids	2020	Materials Today: Proceedings
Saravanan C., Dinesh S., Sakthivel P., Vijayan V., Suresh Kumar B.	Assessment of mechanical properties of Silicon Carbide and Graphene reinforced aluminium composite	2020	Materials Today: Proceedings
Yokeswaran R., Vijayan V., Karthikeyan T., Suresh Kumar B., Sathish Kumar G.	Study of various types cladding and the evolvement of the techniques through years and the future scope-A review	2020	Materials Today: Proceedings
Saravanan S., Vijayan V., Balan A.V., Sathish T., Parthiban A.	Exploration on surface roughness in abrasive water jet cutting of AA6063-TiC composites for vehicle structural applications	2020	International Journal of Vehicle Structures and Systems
Saravanan S., Vijayan V., Jaya Suthahar S.T., Balan A.V., Sankar S., Ravichandran M.	A review on recent progresses in machining methods based on abrasive water jet machining	2020	Materials Today: Proceedings
Raj Kumar T., Vijayan V., Yokeswaran R., Saravanan K., Ragulnath D., ArunKumar G., Parameswaran P.	Experimental evaluation on natural composites with the incorporation of metal powders	2020	Materials Today: Proceedings
Saravankumar P.T., Suresh V., Vijayan V., Godwin Antony A.	Ecological effect of corn oil biofuel with SiO ₂ nano-additives	2019	Energy Sources, Part A: Recovery, Utilization and Environmental Effects
Parthiban A., Vijayan V., Sathish S., Sathish T.	Optimization of Co ₂ laser cutting parameter on motor cycle frame materials	2019	International Journal of Recent Technology and Engineering
Dinesh S., Vijayan V., Thanikaikarasan S., Sebastian P.J.	Productivity and Quality enhancement in Powder Mixed Electrical Discharge Machining for OHNS die steel by utilization of ANN and RSM modeling	2019	Journal of New Materials for Electrochemical Systems
Sathish T., Chandramohan D., Vijayan V., Sebastian P.J.	Investigation on microstructural and mechanical properties of Cu reinforced with Sic composites prepared by microwave sintering process	2019	Journal of New Materials for Electrochemical Systems
Dinesh S., Parameswaran P., Vijayan V., Thanikaikarasan S., Rajaguru K.	Study on microstructure and properties of Al-Cu-Li alloys for electrochemical applications	2019	Journal of New Materials for Electrochemical Systems
Yokeswaran R., Vijayan V., Karthikeyan T., Suresh Kumar B., Sathish Kumar G.	Comprehensive analysis of surface modification process parameters by using tungsten inert gas welding process	2019	Journal of New Materials for Electrochemical Systems
Parameswaran P., Vijayan V., Radhakrishnan K., Antony A.G.	Evaluation of mechanical properties of banana and glass-epoxy hybrid composites with addition of copper powder	2019	International Journal of Vehicle Structures and Systems

Krishnan B.R., Vijayan V., Pillai T.P., Sathish T.	Influence of surface roughness in turning process — an analysis using artificial neural network	2019	Transactions of the Canadian Society for Mechanical Engineering
Sureshkumar B., Vijayan V., Dinesh S., Rajaguru K.	Neural network modeling for face milling operation	2019	International Journal of Vehicle Structures and Systems
Vijayan V., Sureshkumar B., Sathishkumar G., Yokeshwaran R.	Analysis of machining parameters in turning operation on duplex 2205 by using rsm for vehicle structure	2019	International Journal of Vehicle Structures and Systems
Venkatraman V., Sugumar S., Sekar S., Viswanathan S.	Environmental effect of CI engine using microalgae biofuel with nano-additives	2019	Energy Sources, Part A: Recovery, Utilization and Environmental Effects
Suresh Kumar B., Davim J.P., Karuppusamy S., Vijayan V., Muthuswamy V.	Analysis of process parameters on centerless grinding by using response surface methodology	2019	Journal of Manufacturing Technology Research
Parthiban A., Sathish T., Chandran S.S., Venkatesh R., Vijayan V.	Optimization of CO2 laser cutting parameters on austenite stainless steel using grey relational analysis	2019	International Journal of Mechanical Engineering and Technology
Saravanan S., Godwin Antony A., Vijayan V., Loganathan M., Baskar S.	Synthesis of SiO2 nano particles by using sol-gel route	2019	International Journal of Mechanical Engineering and Technology
Vijayan V., Saravanan S., Antony A.G., Loganathan M., Baskar S.	Heat transfer enhancement in mini compact heat exchanger by using alumina nanofluid	2019	International Journal of Mechanical Engineering and Technology
Radha Krishnan B., Vijayan V., Senthilkumar G.	Performance analysis of surface roughness modeling using soft computing approaches	2018	Applied Mathematics and Information Sciences
Vijayan V., Parthiban A., Sathish T., Siva Chandran S., Venkatesh R.	Performance analysis in end milling operation	2018	International Journal of Mechanical Engineering and Technology
Venkatesh R., Vijayan V., Parthiban A., Sathish T., Siva Chandran S.	Comparison of different tool path in pocket milling	2018	International Journal of Mechanical Engineering and Technology
Godwin Antony A., Vijayan V., Saravanan S., Baskar S., Loganathan M.	Analysis of wear behaviour of aluminium composite with silicon carbide and titanium reinforcement	2018	International Journal of Mechanical Engineering and Technology
Baskar S., Vijayan V., Saravanan S., Balan A.V., Godwin Antony A.	Effect of Al2O3 aluminium alloy and fly ash for making engine component	2018	International Journal of Mechanical Engineering and Technology
Avudaiappan T., Vijayan V., Sundara Pandiyan S., Saravanan M., Dinesh S.	Potential flow simulation through Lagrangian interpolation meshless method coding	2018	Journal of Applied Fluid Mechanics
Pradeep Mohan Kumar K., Vijayan V., Suresh Kumar B., Vivek C.M., Dinesh S.	Computational analysis and optimization of spiral plate heat exchanger	2018	Journal of Applied Fluid Mechanics