

Dr.P.Sathiya

Professor

Authors	Title	Year	Source title
Senthil Murugan S., Sathiya P., Noorul Haq A.	Experimental study on the effect of silver, nickel and chromium interlayers and upset pressure in joining SS304L-AA6063 alloys through direct drive friction welding process	2020	Journal of the Brazilian Society of Mechanical Sciences and Engineering
Bhuvanesh Kumar M., Sathiya P., Parameshwaran R.	Parameters Optimization for End Milling of Al7075–ZrO ₂ –C Metal Matrix Composites Using GRA and ANOVA	2020	Transactions of the Indian Institute of Metals
Kannan T.D.B., Tutta G., Sathiya P., Ramesh T.	Post weld heat treatment of nitinol shape memory alloy using laser power source	2020	Surface Review and Letters
Pazhanivel B., Sathiya P., Sozhan G.	Ultra-fine bimodal ($\alpha + \beta$) microstructure induced mechanical strength and corrosion resistance of Ti-6Al-4V alloy produced via laser powder bed fusion process	2020	Optics and Laser Technology
Senthil Murugan S., Noorul Haq A., Sathiya P.	Eco-friendly frictional joining of AA6063 and AISI304L dissimilar metals and characterisation of bimetal joints	2020	Journal of New Materials for Electrochemical Systems
Poonguzhali V., Deepan Bharathi Kannan T., Umar M., Sathiya P.	Application of ANN Modelling and GA Optimization for Improved Creep and Corrosion Properties of Spin-Arc Welded AA5083-H111 Alloy	2020	Russian Journal of Non-Ferrous Metals
Bhuvanesh Kumar M., Sathiya P.	Methods and materials for additive manufacturing: A critical review on advancements and challenges	2020	Thin-Walled Structures
Evangeline A., Sathiya P., Arivazhagan B.	Laves Phase Formation and Segregation of Nb in Ni–Cr–Mo Superalloy over 316L by Hot Wire (HW) TIG Cladding Process	2020	Arabian Journal for Science and Engineering
Senthil Murugan S., Noorul Haq A., Sathiya P.	Effect of welding parameters on the microstructure and mechanical properties of the friction-welded dissimilar joints of AA6063 alloy and faying surface-tapered AISI304L alloy	2020	Welding in the World
Poonguzhali V., Umar M., Sathiya P.	Corrosion and Creep Properties of Weld Beads Produced on AA5083-H111 Alloy Sheets Using SpinArc GMAW Process	2020	Metals and Materials International
Lakshmanan V., Sathiya P.	Microstructure and Creep Behavior Property of Dissimilar Joints Between Incoloy 800HT and P91 Steel	2019	Transactions of the Indian Institute of Metals

Evangelina A., Sathiya P.	Structure-Property relationships of Inconel 625 Cladding on AISI 316L substrate produced by Hot Wire (HW) TIG metal deposition technique	2019	Materials Research Express
Shanmugarajan B., Sathiya P., Buvanashakaran G.	Effect of Shielding Gases in Autogenous Laser Welding of P92 Material	2019	Transactions of the Indian Institute of Metals
Lakshmanan V., Sathiya P.	TEM and FESEM analysis of dissimilar joints of incoloy 800 HT and P91 steel on GTAW process	2019	Surface Review and Letters
Arunkumar S., Kannan T.D.B., Sathiya P.	Optimization, characterization and heat treatment of TIG-welded AA2219-T87 alloy	2019	Emerging Materials Research
Lakshmanan V., Sathiya P., Arivazhagan B.	Mechanical properties characterisation of dissimilar joint of high-temperature materials using Thermo-Calc Classic (TCC) diagram analysis	2019	Materials at High Temperatures
Evangelina A., Sathiya P.	Cold metal arc transfer (CMT) metal deposition of Inconel 625 superalloy on 316L austenitic stainless steel: Microstructural evaluation, corrosion and wear resistance properties	2019	Materials Research Express
Vetri Selvan R., Sathiya P., Devakumaran K., Ravichandran G.	The effect of ligament size on the thermal fatigue life of 9Cr–1Mo steel boiler header under cold, warm and hot starts	2019	Engineering Failure Analysis
Umar M., Sathiya P.	Influence of melting current pulse duration on microstructural features and mechanical properties of AA5083 alloy weldments	2019	Materials Science and Engineering A
Srinivasan L., Khan M.C., Kannan T.D.B., Sathiya P., Biju S.	Application of Genetic Algorithm Optimization Technique in TIG Welding of 15CDV6 Aerospace Steel	2019	Silicon
Evangelina A., Sathiya P.	Dissimilar Cladding of Ni–Cr–Mo Superalloy over 316L Austenitic Stainless Steel: Morphologies and Mechanical Properties	2019	Metals and Materials International
Kannan T.D.B., Aravind A.P., Sathiya P.	Experimental Investigation and Optimization of Process Parameters in Laser welding of NiTiNol Shape Memory Alloys	2019	Materials Today: Proceedings
Deepan Bharathi Kannan T., Pegada R., Sathiya P., Ramesh T.	A comparison of the effect of different heat treatment processes on laser-welded NiTiNol sheets	2018	Journal of the Brazilian Society of Mechanical Sciences and Engineering
Kamal Babu K., Panneerselvam K., Sathiya P., Noorul Haq A., Sundarrajan S., Mastanaiah P., Srinivasa	Microstructure evaluation on friction stir welding of cryorolled 2219 aluminum alloy	2018	Journal of Testing and Evaluation

Murthy C.V.			
Asif Mohammed M., Shrikrishna K.A., Sathiya P.	A comparative analysis of metallurgical and mechanical properties of friction welded and post weld heat treated (oil quenched) duplex stainless steel joints	2018	Materials at High Temperatures
Umar M., Sathiya P.	Effect of Pulse Duration on Corrosion and Impression Creep Properties of AA5083-H111 Al-Mg Alloy Weldments Processed by P-GTAW	2018	Advanced Engineering Materials
Kamal Babu K., Panneerselvam K., Sathiya P., Noorul Haq A., Sundarrajan S., Mastanaiah P., Srinivasa Murthy C.V.	Corrosion properties of cryorolled aa2219 friction stir welded joints using different tool pin profiles	2018	Surface Review and Letters
Vetriselvan R., Sathiya P., Ravichandran G.	Experimental and numerical investigation on thermal fatigue behaviour of 9Cr 1Mo steel tubes	2018	Engineering Failure Analysis
Srinivasan L., Mohammad Chand K., Deepan Bharathi Kannan T., Sathiya P., Biju S.	Application of GRA and TOPSIS Optimization Techniques in GTA Welding of 15CDV6 Aerospace Material	2018	Transactions of the Indian Institute of Metals
Kamal Babu K., Panneerselvam K., Sathiya P., Noorul Haq A., Sundarrajan S., Mastanaiah P., Srinivasa Murthy C.V.	Parameter optimization of friction stir welding of cryorolled AA2219 alloy using artificial neural network modeling with genetic algorithm	2018	International Journal of Advanced Manufacturing Technology
Kamal Babu K., Panneerselvam K., Sathiya P., Haq A.N., Sundarrajan S., Mastanaiah P., Srinivasa Murthy C.V.	Influences of metastable θ'' , θ' and stable θ intermetallics formed during cryorolling and friction stir welding process on AA2219	2018	Journal of Alloys and Compounds
Arunkumar S., Sathiya P., Devakumaran K., Ramesh Kumar S.	Microstructural and Mechanical Characterization of as Weld and Aged Conditions of AA2219 Aluminium Alloy by Gas Tungsten Arc Welding Process	2018	Russian Journal of Non-Ferrous Metals
Kamal Babu K., Panneerselvam K., Sathiya P.,	Effects of various tool pin profiles on mechanical and metallurgical properties of friction stir welded joints of cryorolled AA2219 aluminium	2018	Metallurgical Research and Technology

Noorul Haq A.H., Sundarrajan S., Mastanaiah P., Srinivasa Murthy C.V.	alloy		
Kumar S.A., Sathiya P.	Effects of heat input on the mechanical and metallurgical characteristics of tig welded incoloy 800Ht joints	2017	Archives of Metallurgy and Materials
Kannan T.D.B., Ramesh T., Sathiya P.	Application of Artificial Neural Network Modelling for Optimization of Yb: YAG Laser Welding of Nitinol	2017	Transactions of the Indian Institute of Metals
Prabakaran T., Prabhakar M., Sathiya P.	SHIELDING GAS and HEAT INPUT EFFECTS on the MECHANICAL and METALLURGICAL CHARACTERIZATION of GAS METAL ARC WELDING of SUPER MARTENSITIC STAINLESS STEEL (12Cr5Ni2Mo) JOINTS	2017	Surface Review and Letters
Srinivasan L., Deepan Bharathi Kannan T., Sathiya P., Biju S.	Effect of heat input, heat treatment on microstructure and mechanical properties of GTA welded aerospace material 15CDV6	2017	Journal of Materials Research
Vetriselvan R., Devakumaran K., Sathiya P., Ravichandran G.	Transient out-of-plane distortion of multi-pass fillet welded tube to pipe T-joints	2017	Defence Technology
Srirangan A.K., Sathiya P.	Optimisation of Process Parameters for Gas Tungsten Arc Welding of Incoloy 800HT Using TOPSIS	2017	Materials Today: Proceedings
Srinivasan L., Jakka S.J., Sathiya P.	Microstructure and mechanical properties of Gas tungsten arc welded High Strength Low Alloy (15CDV6) steel joints	2017	Materials Today: Proceedings
Chellappan M., Lingadurai K., Sathiya P.	Characterization and Optimization of TIG welded supermartensitic stainless steel using TOPSIS	2017	Materials Today: Proceedings
Deepan Bharathi Kannan T., Sathiya P., Ramesh T.	Experimental investigation and characterization of laser welded NiTiNol shape memory alloys	2017	Journal of Manufacturing Processes
Deepan Bharathi Kannan T., Shegokar A.R., Sathiya P., Ramesh T.	Parameter Design and Analysis in Laser Welding of NiTiNol Shape Memory Alloy	2017	Materials Today: Proceedings
Deepan Bharathi Kannan T., Pavani Priya T.,	Metallurgical Aspects and Optimisation of Yb: YAG Laser Welded NiTiNol Shape Memory Alloy	2017	Materials Today: Proceedings

Sathiya P., Ramesh T.			
--------------------------	--	--	--