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LIST OF PUBLICATIONS

1. Development of Pulsed Cold Metal Transfer and Gas Metal Arc Welding Techniques on High-Strength Aerospace-Grade AA7475-T761
2. TAV Kumaran, SANJ Reddy, S Jerome, N Anbarasan, N Arivazhagan, ...
Journal of Materials Engineering and Performance, 1-21
3. Study on the High Temperature Tensile Properties of Aerospace Grade Hastelloy X Joined by Pulsed Current Arc Welding
4. S Mathiyazhagan, N Arivazhagan, K Gokulkumar, CG Mohan, CD Naiju, ...SAE Technical Paper
5. Investigation on the Effect of Pulsed Frequency on Microstructure and Hardness of Alloy C-2000 by Current Pulsing B Arulmurugan, MS Kumar, D Balaji, S Sathish, S Rajkumar, ...SAE Technical Paper
6. Effect of Austenitic Filler Wires on Duplex Stainless Steel 2205 Weldment Made by Gas Tungsten Arc Welding
7. M Natesh, M Sathishkumar, NS Gulati, S Abhinav, L Nimish, JR Nithin, ...SAE Technical Paper
8. Hot Corrosion Demeanour of Key-Hole Plasma Arc Welded Aerospace Grade Hastelloy X in Molten Salts Environment
9. M Sathishkumar, P Subramani, N Arivazhagan, K GokulKumar, CD Naiju, ...SAE Technical Paper
10. Effect of hot corrosion demeanour on aerospace-grade Hastelloy X made by pulsed and constant current arc welding in molten salts at 820° CM
Sathishkumar, P Subramani, M Natesh, M Venkateshkannan, ...
11. IOP Conference Series: Materials Science and Engineering 912 (3), 032060

12. Comparison of Hot Corrosion Performance of Bare and NiCoCrAlY-COATED Austenitic Stainless Steel Aisi 347 IN Aggressive Waste Heat Incinerator Environment at 650° C SM Muthu, RV Anant, D Raghul, M Ishwarya, N Arivazhagan, M Arivarasu Surface Review and Letters 27 (07), 1950168
13. Effect of inclusions on microstructure and mechanical behavior of multi-pass welded naval grade steel M Venkatesh Kannan, N Arivazhagan, M Nageswara Rao, ... Proceedings of the Institution of Mechanical Engineers, Part L: Journal of ...
14. Oxidation studies on nickel-base superalloy 617 OCC PR Hari, N Arivazhagan, MN Rao, AHV Pavan Materials Today: Proceedings
15. Investigation of Air oxidation and hot corrosion behavior of Boiler grade material Austenitic stainless steel AISI 347 SM Muthu, M Venkateshkannan, S Gupta, KS Prakash, M Arivarasu, ... Materials Today: Proceedings 22, 1694-1701
16. Effect of Welding Speed on Aspect Ratio of Hastelloy X Weldment by Keyhole Plasma Arc Welding (K-PAW) M Sathishkumar, M Manikandan, P Subramani, N Anbarasan, S Jerome, ... Materials Today: Proceedings 22, 3297-3304
17. Effect of Frequency on Microstructural and Corrosion Demeanour of Alloy C-276 Weldment P Subramani, S Shetty, KUAN Ali, M Sathishkumar, G Rajamurugan, ... Materials Today: Proceedings 22, 3279-3285
18. Studies on the effect of filler wires on micro level segregation of alloying elements in the alloy 617 weld fusion zone K Mageshkumar, N Arivazhagan, P Kuppan Materials Research Express 6 (11), 116579
19. Investigation on Microstructure and Mechanical Properties of Corrosion Resistance Alloy C-2000 Fabricated by Conventional Arc Welding Technique A John, KJ Johny, B Arulmurugan, S Rajkumar, N Arivazhagan, CD Naiju, ... SAE Technical Paper
20. Effect of hot corrosion on the bimetallic joints employed in the coal-fired boiler SS Prabu, KD Ramkumar, N Arivazhagan
21. Materials Research Express 6 (11), 116511

22. Tribological behaviour of graphite-reinforced FeNiCrCuMo high-entropy alloy self-lubricating composites for aircraft braking energy applications TR Prabhu, M Arivarasu, Y Chodancar, N Arivazhagan, G Sumanth, ... Tribology Letters 67 (3), 78
23. Investigations on induced residual stresses, mechanical and metallurgical properties of CO₂ laser beam and pulse current gas tungsten arc welded SMO 254 P Roshith, M Arivarasu, N Arivazhagan, A Srinivasan, PP KV Journal of Manufacturing Processes 44, 81-90
24. Laser Shock Peening (LSP) to Improve the Metallurgical and Mechanical Properties of Gas Tungsten Arc Welding (GTAW) Joints in Hastelloy C-276. SANJ REDDY, S PRABHAKARAN, S KALAINATHAN, N ARIVAZHAGAN, ... Lasers in Engineering (Old City Publishing) 42
25. Effect of Laser Shock Peening on Commercially Pure Titanium-1 Weldment Fabricated by Gas Tungsten Arc Welding Technique
26. S Varin, M Agarwal, A Chugh, M Manikandan, S Prabhakaran, ... Transactions of the Indian Institute of Metals 72 (6), 1569-1573
27. Behaviour of Alloy 617 OCC Under Hot Corrosion Conditions Encountered in Boilers in A-USC Power Plants PR Hari, N Arivazhagan, MN Rao, AHV Pavan Transactions of the Indian Institute of Metals 72 (6), 1511-1514