List of Publications

Journal Publication

1) Suresh Gudala, Ramesh MR, Siva Shanmugam N, Evolution of Microstructure and High-Temperature Tribological Performance of Self-Lubricating Nickel-Based Composite Tungsten Inert Gas Coatings, Journal of Materials Engineering and Performance, DOI:10.1007/s11665-021-06008-4, 2021. **IF- 2.036 (SCI) (Published)**
2) Suresh Gudala, Ramesh MR, Srinath MS, Development of Self-lubricating Nickel based Composite Clad using Microwave Heating in Improving Resistance to Wear at Elevated Temperatures, Metals and Materials International, DOI:10.1007/s12540-021-01078-4, 2021. **IF- 3.451 (SCI) (Published)**
3) Suresh Gudala, Ramesh MR, Srinath MS, Microstructure and Wear behavior of Self-lubricating Microwave Clads Deposited on Titanium Alloy, Journal of Material Engineering and Performace, 10.1007/s11665-022-06926-x. **IF- 2.036 (SCI) (Published)**
4) Suresh Gudala, Ramesh MR, Siva Shanmugam N, Influence of Solid lubricants on Microstructure and Tribological Performance of Nickel-Based Composite Coatings, Metallography, Microstructure and Analysis, 10.1007/s13632-022-00837-y. **(SCOPUS) (Published)**
5) Suresh Gudala, Ramesh MR, Siva Shanmugam N, Srinath MS, Microstructure and Tribological Performace of Self-lubricating clads produced by tungsten inert gas and microwave hybrid heating techniques, Surface Review and Letters, https://doi.org/10.1142/S0218625X22501256 **IF- 1.312 (Published) (SCI)**
6) Subba Rao Medabalimi, Ananthu M R, Suresh Gudala, Ramesh M R, Effect of Microwave Hybrid Heating on High Temperature Adhesive Wear Behavior of High-Velocity Oxygen Fuel Sprayed WC-CrC-Ni and WC-Co/NiCrSiB Coatings, Journal of Material Engineering and Performance, http://dx.doi.org/10.1007/sl 1665-022-07756-7 **IF- 2.036 (SCI) (Published)**
7) Uzwal kiran rokkala, Suresh Gudala, Ramesh M R, Comparative study of plasma spray and friction stir processing on wear properties of Mg-Zn-Dy alloy. Journal of materials engineering and performance, 2023. **IF- 2.036 (SCI) (Published)**

Book Chapter

1. Gudala Suresh, Ramesh M R, Ajit M Hebbale, Srinath M S, Clad developments through microwave hybrid heating technique: processing and properties, "Advances in Microwave Processing for Engineering materials". CRC press, https://doi.org/10.1201/9781003248743 **(Published)**
2. Gudala Suresh, Ramesh M R, Srinath M S, Surface engineered titanium alloys for biomedical, automotive, and aerospace applications has been in review for a publication in a book titled "Advances in Processing of Lightweight Metal Alloys and Composites". Springer. **(Published)**
3. Jagadish, Sumit Bhowmik, Suresh Gudala, Hybrid Multi-Criteria Decision-Making Optimization Strategy for RP Material Selection, Optimizing Current Strategies and Applications in Industrial Engineering, IGI Global, DOI 10.4018/978-1-5225-8223-6.ch015, 2019. **(Published)**

Conference

1) Jagadish, Sumit Bhowmik, Amitava Ray, Suresh Gudala, Cutting fluid selection for environmentally conscious design for manufacturing: An integrated theory, AIP Conference Proceeedings, DOI 10.1063/1.5049106, 2018. **(Published)**