Dr N Yadaiah

List of Publications by Year
in descending order

19	305	1039880 9	887953 17
papers	citations	h-index	g-index

20	20	20	240
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple-Criteria Decision-Making and Sensitivity Analysis for Selection of Materials for Knee Implant Femoral Component. Materials, 2021, 14, 2084.	1.3	75
2	Development of egg-configuration heat source model in numerical simulation of autogenous fusion welding process. International Journal of Thermal Sciences, 2014, 86, 125-138.	2.6	55
3	Effect of Heat Source Parameters in Thermal and Mechanical Analysis of Linear GTA Welding Process. ISIJ International, 2012, 52, 2069-2075.	0.6	44
4	Environmental, Economical and Technological Analysis of MQL-Assisted Machining of Al-Mg-Zr Alloy Using PCD Tool. Sustainability, 2021, 13, 7321.	1.6	26
5	A Comparative Analysis of Laser Additive Manufacturing of High Layer Thickness Pure Ti and Inconel 718 Alloy Materials Using Finite Element Method. Materials, 2021, 14, 876.	1.3	20
6	A Perspective Review on Experimental Investigation and Numerical Modeling of Electron Beam Welding Process. Materials Today: Proceedings, 2018, 5, 4811-4817.	0.9	15
7	Identification of modes of welding using parametric studies during ytterbium fiber laser welding. Journal of Manufacturing Processes, 2020, 57, 748-761.	2.8	14
8	Influence of self-protective atmosphere in fiber laser welding of austenitic stainless steel. International Journal of Advanced Manufacturing Technology, 2016, 86, 853-870.	1.5	13
9	Role of Oxygen as Surface-Active Element in Linear GTA Welding Process. Journal of Materials Engineering and Performance, 2013, 22, 3199-3209.	1.2	10
10	Numerical simulation of welding-induced residual stress in fusion welding process using adaptive volumetric heat source. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 2960-2972.	1.1	8
11	Investigation on keyhole mode fiber laser welding of SS 316 in a self-protected atmosphere. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 6602-6615.	1.1	5
12	Comparison of microstructure and mechanical performance of laser and electron beam welded Ti6Al4V alloy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	5
13	A Perspective Review on Estimation of Keyhole Profile during Plasma Arc Welding Process. Materials Today: Proceedings, 2018, 5, 6345-6350.	0.9	4
14	Influence of weld parameters on weld regimes and vaporization rate in electron beam welding of Ti6Al4V alloy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	3
15	Efficient Finite Element Modeling of Fiber Laser Welding Processunder Conduction Regime on 316 Stainless SteelPlate. International Journal of Current Engineering and Technology, 2013, 2, 31-36.	0.0	2
16	Finite Element Based Transient Heat Transfer Analysis of Ti2AlNb Electron Beam Welds Using Hybrid Volumetric Heat Source. Indian Welding Journal, 2019, 52, 49.	0.0	2
17	FE-Based Heat Transfer Analysis of Laser Additive Manufacturing on Tiâ€“6Alâ€“4V Alloy. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 381-392.	0.4	1
18	Investigation on Metallographic Analysis of Electron Beam Ti6Al4V Alloy Welds. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 121-132.	0.4	0

#	Article	IF	Citations
19	Influence of Laser Power and Scan Speed During Laser-Assisted Multi-layer Additive Manufacturing Using Finite Element Modeling. Materials Horizons, 2020, , 289-316.	0.3	0