

Dr N Yadaiah

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

175
citations

7
h-index

13
g-index

20
ext. papers

245
ext. citations

1.9
avg, IF

3.49
L-index

#	Paper	IF	Citations
19	Development of egg-configuration heat source model in numerical simulation of autogenous fusion welding process. <i>International Journal of Thermal Sciences</i> , 2014 , 86, 125-138	4.1	41
18	Effect of Heat Source Parameters in Thermal and Mechanical Analysis of Linear GTA Welding Process. <i>ISIJ International</i> , 2012 , 52, 2069-2075	1.7	35
17	Multiple-Criteria Decision-Making and Sensitivity Analysis for Selection of Materials for Knee Implant Femoral Component. <i>Materials</i> , 2021 , 14,	3.5	27
16	Environmental, Economical and Technological Analysis of MQL-Assisted Machining of Al-Mg-Zr Alloy Using PCD Tool. <i>Sustainability</i> , 2021 , 13, 7321	3.6	14
15	A Perspective Review on Experimental Investigation and Numerical Modeling of Electron Beam Welding Process. <i>Materials Today: Proceedings</i> , 2018 , 5, 4811-4817	1.4	9
14	Influence of self-protective atmosphere in fiber laser welding of austenitic stainless steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 86, 853-870	3.2	8
13	Role of Oxygen as Surface-Active Element in Linear GTA Welding Process. <i>Journal of Materials Engineering and Performance</i> , 2013 , 22, 3199-3209	1.6	8
12	A Comparative Analysis of Laser Additive Manufacturing of High Layer Thickness Pure Ti and Inconel 718 Alloy Materials Using Finite Element Method. <i>Materials</i> , 2021 , 14,	3.5	7
11	Identification of modes of welding using parametric studies during ytterbium fiber laser welding. <i>Journal of Manufacturing Processes</i> , 2020 , 57, 748-761	5	6
10	Numerical simulation of welding-induced residual stress in fusion welding process using adaptive volumetric heat source. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014 , 228, 2960-2972	1.3	5
9	Investigation on keyhole mode fiber laser welding of SS 316 in a self-protected atmosphere. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019 , 233, 6602-6615	1.3	3
8	Fiber Laser Welding in a Controlled Inert Gas Atmosphere: An Experimental and Numerical Investigation. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2015 , 399-419	0.4	3
7	A Perspective Review on Estimation of Keyhole Profile during Plasma Arc Welding Process. <i>Materials Today: Proceedings</i> , 2018 , 5, 6345-6350	1.4	2
6	Efficient Finite Element Modeling of Fiber Laser Welding Process under Conduction Regime on 316 Stainless Steel Plate. <i>International Journal of Current Engineering and Technology</i> , 2013 , 2, 31-36	1	2
5	Comparison of microstructure and mechanical performance of laser and electron beam welded Ti6Al4V alloy. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021 , 43, 1	2	2
4	Influence of weld parameters on weld regimes and vaporization rate in electron beam welding of Ti6Al4V alloy. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	1
3	FE-Based Heat Transfer Analysis of Laser Additive Manufacturing on Ti6Al4V Alloy. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2019 , 381-392	0.3	1

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| 2 | Influence of Laser Power and Scan Speed During Laser-Assisted Multi-layer Additive Manufacturing Using Finite Element Modeling. <i>Materials Horizons</i> , 2020 , 289-316 | 0.6 |
| 1 | Investigation on Metallographic Analysis of Electron Beam Ti6Al4V Alloy Welds. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2019 , 121-132 | 0.3 |