

Sukhomay Pal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8445411/publications.pdf>

Version: 2024-02-01

20
papers

256
citations

1040056

9
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

161
citing authors

#	ARTICLE	IF	CITATIONS
1	A Finite Element Model for the Prediction of Chip Formation and Surface Morphology in Friction Stir Welding Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	2.2	7
2	Implementation of Soft Computing Techniques in Predicting and Optimizing the Operating Parameters of Compression Ignition Diesel Engines: State-of-the-Art Review, Challenges, and Future Outlook. Journal of Computing and Information Science in Engineering, 2022, 22, .	2.7	8
3	Study on the microstructural variation and fatigue performance of microplasma arc welded thin 316L sheet. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 880-890.	1.1	1
4	Effect of plasma preheating on weld quality and tool life during friction stir welding of DH36 steel. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 1458-1472.	2.4	11
5	Analysis of weld characteristics of micro plasma arc welded thin stainless steel 306 L sheet. Journal of Manufacturing Processes, 2020, 57, 957-977.	5.9	17
6	A three-dimensional heat transfer modelling and experimental study on friction stir welding of dissimilar steels. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	10
7	Synthesis of Ni-Cr-B-Si-Fe-based interlayer alloy for transient liquid phase bonding of Inconel 718 superalloy by mechanical alloying process. International Journal of Advanced Manufacturing Technology, 2020, 111, 2857-2875.	3.0	6
8	Experimental studies on controlling of process parameters in dissimilar friction stir welding of DH36 shipbuilding steel&AISI 1008 steel. Welding in the World, Le Soudage Dans Le Monde, 2020, 64, 963-986.	2.5	26
9	Thermal Properties of Ni&Cr&Si&B&Fe Based Interlayer Material and Its Application in TLP Bonding of IN 718 Superalloy. Acta Metallurgica Sinica (English Letters), 2020, 33, 1666-1680.	2.9	8
10	Electromagnetic Transient-Thermal Modeling of High-Frequency Induction Welding of Mild Steel Plates. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 407-415.	0.6	0
11	Effect of Tool Offset and Rotational Speed in Dissimilar Friction Stir Welding of AISI 304 Stainless Steel and Mild Steel. Journal of Materials Engineering and Performance, 2019, 28, 6365-6379.	2.5	26
12	Microstructure and Work Hardening Behavior of Micro-plasma Arc Welded AISI 316L Sheet Joint. Journal of Materials Engineering and Performance, 2019, 28, 2588-2599.	2.5	9
13	Effect of solid solution phase constitution on dissimilar Al/Cu FSW using Zn as an alloying element at the joint interface. SN Applied Sciences, 2019, 1, 1.	2.9	4
14	Optimization of friction stir welding process using NSGA-II and DEMO. Neural Computing and Applications, 2019, 31, 947-956.	5.6	19
15	Monitoring of Friction Stir Welding Process using Main Spindle Motor Current. Journal of the Institution of Engineers (India): Series C, 2018, 99, 711-716.	1.2	3
16	Weld quality prediction in friction stir welding using wavelet analysis. International Journal of Advanced Manufacturing Technology, 2017, 89, 711-725.	3.0	32
17	Optimization of friction stir welding process parameters using soft computing techniques. Soft Computing, 2017, 21, 7083-7098.	3.6	20
18	Probing weld quality monitoring in friction stir welding through characterization of signals by fractal theory. Journal of Mechanical Science and Technology, 2017, 31, 2459-2465.	1.5	12

#	ARTICLE	IF	CITATIONS
19	Hybrid fuzzy-grey-Taguchi based multi weld quality optimization of Al/Cu dissimilar friction stir welded joints. <i>Advances in Manufacturing</i> , 2016, 4, 237-247.	6.1	37
20	Effect of post welding heat treatment on the weld quality of micro plasma arc welded SS-316L thin sheet. <i>Soldagem E Inspecao</i> , 0, 27, .	0.6	0