Uttam Acharya

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2452389/publications.pdf

Version: 2024-02-01

19	197	1163117 8	1125743 13
papers	citations	h-index	g-index

19	19	19	88
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Torque and force perspectives on particle size and its effect on mechanical property of friction stir welded AA6092/17.5SiCp-T6 composite joints. Journal of Manufacturing Processes, 2019, 38, 113-121.	5.9	26
2	Effect of tool rotational speed on the particle distribution in friction stir welding of AA6092/17.5 SiCp-T6 composite plates and its consequences on the mechanical property of the joint. Defence Technology, 2020, 16, 381-391.	4.2	26
3	On the Role of Tool Tilt Angle on Friction Stir Welding of Aluminum Matrix Composites. Silicon, 2021, 13, 79-89.	3.3	21
4	Determination of best tool geometry for friction stir welding of AA 6061-T6 using hybrid PCA-TOPSIS optimization method. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108573.	5.0	20
5	Effect of traverse speed on microstructure and mechanical properties of friction-stir-welded third-generation Alâ€“Li alloy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	14
6	A Study of Tool Wear and its Effect on the Mechanical Properties of Friction Stir Welded AA6092/17.5 Sicp Composite Material Joint. Materials Today: Proceedings, 2018, 5, 20371-20379.	1.8	12
7	Microstructure and mechanical property of friction stir welded Al-Mg joints by adopting modified joint configuration technique. Materials Today: Proceedings, 2020, 26, 2083-2088.	1.8	11
8	Applicability of unique scarf joint configuration in friction stir welding of AA6061-T6: Analysis of torque, force, microstructure and mechanical properties. Defence Technology, 2022, 18, 567-582.	4.2	11
9	Study of microstructure and mechanical properties in friction stir welded aluminum copper lap joint. Materials Today: Proceedings, 2021, 46, 9474-9479.	1.8	9
10	A parametric study of friction stir welded AA6061/SiC AMC and its effect on microstructure and mechanical properties. Materials Today: Proceedings, 2021, 46, 9378-9386.	1.8	8
11	Assessment of the surface characteristics of aerospace grade AA6092/17.5 SiCp-T6 composite processed through EDM. CIRP Journal of Manufacturing Science and Technology, 2021, 33, 123-132.	4.5	8
12	Welding condition & microstructure of friction stir welded AA 6061-T6 and AZ31B. Materials Today: Proceedings, 2020, 46, 9484-9484.	1.8	7
13	Effect of tool rotational speed on friction stir welded AA6061-T6 scarf joint configuration. Advanced Composites and Hybrid Materials, 2022, 5, 2353-2368.	21.1	6
14	Microstructural and mechanical property of friction stir welded Al7075/TiB2 aluminium matrix composite. Materials Today: Proceedings, 2020, , .	1.8	4
15	Effect of Heat Input on Microstructure and Mechanical Properties of Friction Stir Welded AA6092/17.5 SiCp-T6. Journal of Materials Engineering and Performance, 2021, 30, 8936-8946.	2.5	4
16	Effect of Reinforcement Particles on Friction Stir Welded Joints with Scarf Configuration: an Approach to Achieve High Strength Joints. Silicon, 2022, 14, 6847-6860.	3.3	4
17	Influence of tool rotational speed on Microstructure and Mechanical Properties of Al-Li Alloy using Friction Stir Welding. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 2106-2117.	2.5	3
18	A Study on the Implication of Modified Joint Configuration in Friction Stir Welding. Soldagem E Inspecao, 0, 26, .	0.6	2

#	Article	IF	Citations
19	Adaptive neuro fuzzy interference system modeling for wire electric discharge machining of Al7075/B4C composite. Materials Today: Proceedings, 2021, 46, 9223-9228.	1.8	1