

Uttam Acharya

List of Publications by Year in descending order

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19
papers

197
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1163117

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#	ARTICLE	IF	CITATIONS
1	Applicability of unique scarf joint configuration in friction stir welding of AA6061-T6: Analysis of torque, force, microstructure and mechanical properties. <i>Defence Technology</i> , 2022, 18, 567-582.	4.2	11
2	Effect of Reinforcement Particles on Friction Stir Welded Joints with Scarf Configuration: an Approach to Achieve High Strength Joints. <i>Silicon</i> , 2022, 14, 6847-6860.	3.3	4
3	Influence of tool rotational speed on Microstructure and Mechanical Properties of Al-Li Alloy using Friction Stir Welding. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2022, 236, 2106-2117.	2.5	3
4	Effect of tool rotational speed on friction stir welded AA6061-T6 scarf joint configuration. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 2353-2368.	21.1	6
5	A parametric study of friction stir welded AA6061/SiC AMC and its effect on microstructure and mechanical properties. <i>Materials Today: Proceedings</i> , 2021, 46, 9378-9386.	1.8	8
6	Adaptive neuro fuzzy interference system modeling for wire electric discharge machining of Al7075/B4C composite. <i>Materials Today: Proceedings</i> , 2021, 46, 9223-9228.	1.8	1
7	On the Role of Tool Tilt Angle on Friction Stir Welding of Aluminum Matrix Composites. <i>Silicon</i> , 2021, 13, 79-89.	3.3	21
8	Determination of best tool geometry for friction stir welding of AA 6061-T6 using hybrid PCA-TOPSIS optimization method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108573.	5.0	20
9	Study of microstructure and mechanical properties in friction stir welded aluminum copper lap joint. <i>Materials Today: Proceedings</i> , 2021, 46, 9474-9479.	1.8	9
10	Assessment of the surface characteristics of aerospace grade AA6092/17.5 SiCp-T6 composite processed through EDM. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021, 33, 123-132.	4.5	8
11	Effect of Heat Input on Microstructure and Mechanical Properties of Friction Stir Welded AA6092/17.5 SiCp-T6. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 8936-8946.	2.5	4
12	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. <i>Defence Technology</i> , 2020, 16, 381-391.	4.2	26
13	Effect of traverse speed on microstructure and mechanical properties of friction-stir-welded third-generation Al-Li alloy. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	14
14	Microstructure and mechanical property of friction stir welded Al-Mg joints by adopting modified joint configuration technique. <i>Materials Today: Proceedings</i> , 2020, 26, 2083-2088.	1.8	11
15	Microstructural and mechanical property of friction stir welded Al7075/TiB2 aluminium matrix composite. <i>Materials Today: Proceedings</i> , 2020, , .	1.8	4
16	Welding condition & microstructure of friction stir welded AA 6061-T6 and AZ31B. <i>Materials Today: Proceedings</i> , 2020, 46, 9484-9484.	1.8	7
17	Torque and force perspectives on particle size and its effect on mechanical property of friction stir welded AA6092/17.5SiCp-T6 composite joints. <i>Journal of Manufacturing Processes</i> , 2019, 38, 113-121.	5.9	26
18	A Study of Tool Wear and its Effect on the Mechanical Properties of Friction Stir Welded AA6092/17.5 Sipc Composite Material Joint. <i>Materials Today: Proceedings</i> , 2018, 5, 20371-20379.	1.8	12

#	ARTICLE	IF	CITATIONS
19	A Study on the Implication of Modified Joint Configuration in Friction Stir Welding. Soldagem E Inspecao, 0, 26, .	0.6	2