

Junjun Shen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,425
citations

394421

19
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

818
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress on control strategies for inherent issues in friction stir welding. <i>Progress in Materials Science</i> , 2021, 115, 100706.	32.8	398
2	Effect of tool rotational speed on the microstructure and mechanical properties of bobbin tool friction stir welding of Al-Li alloy. <i>Materials and Design</i> , 2015, 86, 933-940.	7.0	118
3	Microstructural characterisation and mechanical properties of friction stir welded joints of aluminium alloy to copper. <i>Science and Technology of Welding and Joining</i> , 2011, 16, 92-98.	3.1	100
4	Effect of welding speed on microstructure and mechanical properties of friction stir welded copper. <i>Materials & Design</i> , 2010, 31, 3937-3942.	5.1	90
5	Tailoring grain refinement through thickness in magnesium alloy via stationary shoulder friction stir processing and copper backing plate. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 784, 139322.	5.6	72
6	A new method of hybrid friction stir welding assisted by friction surfacing for joining dissimilar Ti/Al alloy. <i>Materials Letters</i> , 2017, 207, 172-175.	2.6	65
7	Effect of tool rotation rate on microstructure and mechanical properties of friction stir welded copper. <i>Science and Technology of Welding and Joining</i> , 2009, 14, 577-583.	3.1	61
8	Microstructure and morphology evolution of probeless friction stir spot welded joints of aluminum alloy. <i>Journal of Materials Processing Technology</i> , 2018, 252, 69-80.	6.3	57
9	Microstructure and mechanical optimization of probeless friction stir spot welded joint of an Al-Li alloy. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1739-1746.	10.7	56
10	Material-flow behavior during friction-stir welding of 6082-T6 aluminum alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 1115-1123.	3.0	51
11	Improving weld formability by a novel dual-rotation bobbin tool friction stir welding. <i>Journal of Materials Science and Technology</i> , 2018, 34, 135-139.	10.7	44
12	Effect of backplate diffusivity on microstructure and mechanical properties of friction stir welded joints. <i>Materials & Design</i> , 2013, 50, 551-557.	5.1	37
13	Crystallographic Texture in Bobbin Tool Friction-Stir-Welded Aluminum. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 2809-2813.	2.2	37
14	Weld appearance and microstructural characteristics of friction stir butt barrier welded joints of aluminium alloy to copper. <i>Science and Technology of Welding and Joining</i> , 2012, 17, 104-110.	3.1	36
15	Texture Development and Material Flow Behavior During Refill Friction Stir Spot Welding of AlMgSc. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 241-254.	2.2	36
16	Eutectic structures in friction spot welding joint of aluminum alloy to copper. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	28
17	Revealing joining mechanism in refill friction stir spot welding of AZ31 magnesium alloy to galvanized DP600 steel. <i>Materials and Design</i> , 2021, 209, 109997.	7.0	26
18	Simultaneously enhancing mechanical properties and electrical conductivity of aluminum by using graphene as the reinforcement. <i>Materials Letters</i> , 2020, 265, 127440.	2.6	24

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19	Global and local mechanical properties and microstructure of Bobbin tool friction-stir-welded Al-Li alloy. <i>Science and Technology of Welding and Joining</i> , 2016, 21, 479-483.	3.1	21
20	Improved mechanical properties of cast Mg alloy welds via texture weakening by differential rotation refill friction stir spot welding. <i>Scripta Materialia</i> , 2021, 203, 114113.	5.2	21
21	Study of process/structure/property relationships in probeless friction stir spot welded AA2198 Al-Li alloy. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2017, 61, 291-298.	2.5	15
22	Effect of friction spot welding parameters on the joint formation and mechanical properties of Al to Cu. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 33-41.	2.5	11
23	Fundamental study on additive manufacturing of aluminum alloys by friction surfacing layer deposition. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	11
24	A study of the parameters influencing mechanical properties and the fatigue performance of refill friction stir spot welded AlMgSc alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 101-110.	3.0	10