

Weifeng Xu

List of Publications by Year in descending order

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14
papers

737
citations

687363

13
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1125743

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all docs

14
docs citations

14
times ranked

499
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature evolution, microstructure and mechanical properties of friction stir welded thick 2219-O aluminum alloy joints. <i>Materials & Design</i> , 2009, 30, 1886-1893.	5.1	177
2	Microstructure evolution in the conventional single side and bobbin tool friction stir welding of thick rolled 7085-T7452 aluminum alloy. <i>Materials Characterization</i> , 2018, 138, 48-55.	4.4	97
3	Microstructure and pitting corrosion of friction stir welded joints in 2219-O aluminum alloy thick plate. <i>Corrosion Science</i> , 2009, 51, 2743-2751.	6.6	81
4	Influence of welding parameters and tool pin profile on microstructure and mechanical properties along the thickness in a friction stir welded aluminum alloy. <i>Materials & Design</i> , 2013, 47, 599-606.	5.1	78
5	Comparative study on local and global mechanical properties of bobbin tool and conventional friction stir welded 7085-T7452 aluminum thick plate. <i>Journal of Materials Science and Technology</i> , 2018, 34, 173-184.	10.7	62
6	Pitting corrosion of friction stir welded aluminum alloy thick plate in alkaline chloride solution. <i>Electrochimica Acta</i> , 2010, 55, 2918-2923.	5.2	56
7	Low-cycle fatigue of a friction stir welded 2219-T62 aluminum alloy at different welding parameters and cooling conditions. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 74, 209-218.	3.0	37
8	Microstructure and high-temperature mechanical properties of laser beam welded TC4/TA15 dissimilar titanium alloy joints. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 160-170.	4.2	32
9	Influence of Test Temperature on the Tensile Properties along the Thickness in a Friction Stir Welded Aluminum Alloy. <i>Journal of Materials Science and Technology</i> , 2015, 31, 953-961.	10.7	28
10	Effect of Welding Speed on Mechanical Properties and the Strain-Hardening Behavior of Friction Stir Welded 7075 Aluminum Alloy Joints. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 1938-1946.	2.5	27
11	Mechanical behavior of 7085-T7452 aluminum alloy thick plate joint produced by double-sided friction stir welding: Effect of welding parameters and strain rates. <i>Journal of Manufacturing Processes</i> , 2018, 35, 261-270.	5.9	23
12	Effect of thermal exposure on microstructure and mechanical properties of friction stir welding 7B50-T7451 aluminium alloy thick plate joint. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6415-6433.	5.8	20
13	Corrosion Behavior of Top and Bottom Surfaces for Single-Side and Double-Side Friction Stir Welded 7085-T7651 Aluminum Alloy Thick Plate Joints. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 1078-1091.	2.2	19
14	Friction Welding for Making Metallic Parts and Structures. , 2022, , 232-245.		0