

Soran Hassanifard

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A novel method for improving fatigue life of friction stir spot welded joints using localized plasticity. <i>Materials & Design</i> , 2014, 53, 962-971.	5.1	28
2	Weld arrangement effects on the fatigue behavior of multi friction stir spot welded joints. <i>Materials & Design</i> , 2013, 44, 291-302.	5.1	23
3	Investigation of Fatigue Crack Propagation in Spot-Welded Joints Based on Fracture Mechanics Approach. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 245-250.	2.5	21
4	The influence of low plasticity burnishing process on the fatigue life of friction stir processed Al 7075-T6 samples. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 764-772.	3.4	19
5	Investigation of tool offset on mechanical properties of dissimilar AA6061-T6 and AA7075-T6 joint in parallel FSW process. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 441-450.	2.5	17
6	Fatigue life prediction of friction stir spot welds based on cyclic strain range with hardness distribution and finite element analysis. <i>Acta Mechanica</i> , 2012, 223, 829-839.	2.1	16
7	The Effects of Electrode Force on the Mechanical Behaviour of Resistance Spot Welded 5083 Aluminium Alloy Joints. <i>Strain</i> , 2011, 47, e196.	2.4	14
8	Fracture toughness of epoxy-based stepped functionally graded materials reinforced with carbon nanotubes. <i>Iranian Polymer Journal (English Edition)</i> , 2017, 26, 253-260.	2.4	12
9	Tensile properties and microstructural features of friction stir welded Al 6061 joints fabricated by various dual-pin tool shapes. <i>Science and Technology of Welding and Joining</i> , 2021, 26, 493-502.	3.1	11
10	The Prediction of Fatigue Crack Initiation Life in Spot Welds. <i>Strain</i> , 2009, 45, 489-497.	2.4	10
11	Spot weld arrangement effects on the fatigue behavior of multi-spot welded joints. <i>Journal of Mechanical Science and Technology</i> , 2011, 25, 647-653.	1.5	10
12	Experimental and numerical investigation of fatigue damage accumulation in composite laminates. <i>International Journal of Damage Mechanics</i> , 2017, 26, 840-858.	4.2	7
13	Failure analysis study of railway draw-hook coupler. <i>Journal of Central South University</i> , 2019, 26, 916-924.	3.0	7
14	Fatigue Response of Aluminum 7075-T6 Joints through Inclusion of Al ₂ O ₃ Particles to the Weld Nugget Zone during Friction Stir Spot Welding. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 1781-1790.	2.5	7
15	Analytical solution of temperature distribution in resistance spot welding. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 777-784.	1.5	5
16	Investigation of an Optimum Concentration for Nano-Silica Used as an Adhesive Bonding Strength Enhancer. <i>Journal of Failure Analysis and Prevention</i> , 2018, 18, 315-321.	0.9	4
17	Monotonic and Fatigue Response of Heat-Treated Friction Stir Welded Al 6061-T6 Joints: Testing and Characterization. <i>Materials Performance and Characterization</i> , 2021, 10, 20200076.	0.3	4
18	An experimental investigation of fatigue behavior and deformation of double spot friction welded joints. <i>Materials & Design</i> , 2014, 57, 705-711.	5.1	3

#	ARTICLE	IF	CITATIONS
19	Progressive fatigue behavior of single-lap bolted laminates under different tightening torque magnitudes. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 1303-1312.	1.1	3
20	An Experimental Study of Rolled Friction-Stir-Welded Aluminum 6061-T6 Joints Subjected to Static and Fatigue Loading Conditions. Journal of Materials Engineering and Performance, 2020, 29, 4493-4505.	2.5	2
21	A Comparative Study on Fatigue Response of Aluminum Alloy Friction Stir Welded Joints at Various Post-Processing and Treatments. Journal of Manufacturing and Materials Processing, 2021, 5, 93.	2.2	2
22	Fatigue Life Behaviour of Spot Friction Welded Al 5083 in Single Cover Butt Joints. Strain, 2015, 51, 504-514.	2.4	1
23	Evaluation of different strain-based damage criteria for predicting the fatigue life of friction stir spot-welded joints under multi-axial loading conditions. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 156-166.	1.1	1