Amir Mostafapour

List of Publications by Year
in descending order

47 papers	978 citations	471061 17 h-index	454577 30 g-index
47 all docs	47 docs citations	47 times ranked	773 citing authors

#	Article	IF	Citations
1	Mechanical and Microstructural Properties of HDPE Pipes Manufactured via Orbital Friction Stir Welding. Materials, 2022, 15, 3810.	1.3	3
2	Application of response surface methodology for weld strength prediction in FSSWed TRIP steel joints. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 183-198.	1.3	3
3	Characterization of Friction Stir and TIG Welded CK45 Carbon Steel. Materials, 2021, 14, 4098.	1.3	3
4	Influence of ultrasonic vibration on the microstructure and texture evolution of AZ91 magnesium alloy during ultrasonic-assisted friction stir welding. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 2371-2382.	1.3	3
5	Properties of Metal Extrusion Additive Manufacturing and Its Application in Digital Supply Chain Management. IFAC-PapersOnLine, 2021, 54, 199-204.	0.5	2
6	Heat-assisted friction stir welding of polymeric nanocomposite. Science and Technology of Welding and Joining, 2020, 25, 56-65.	1.5	20
7	Enhanced corrosion behavior and mechanical properties of AZ91 magnesium alloy developed by ultrasonicâ€assisted friction stir processing. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 109-117.	0.8	12
8	Three point bending test of glass/epoxy composite health monitoring by acoustic emission. AEJ - Alexandria Engineering Journal, 2019, 58, 567-578.	3.4	27
9	Experimental study on the effects of preheating time and temperature of hot press process on the mechanical and metallurgical properties of AZ91C alloy sheet. Materials Research Express, 2019, 6, 056562.	0.8	2
10	Effect of ultrasonic assisted friction stir welding on microstructure and mechanical properties of AZ91â”C magnesium alloy. Transactions of Nonferrous Metals Society of China, 2019, 29, 2514-2522.	1.7	22
11	Study of morphology and mechanical properties of PP/EPDM/clay nanocomposites prepared using twinâ€screw extruder and friction stir process. Polymer Composites, 2019, 40, 3306-3314.	2.3	11
12	Effect of process parameters on fracture toughness of PP/EPDM/nanoclay nanocomposite fabricated by novel method of heat assisted Friction stir processing. Polymer Composites, 2018, 39, 2336-2346.	2.3	16
13	Acoustic emission source locating in two-layer plate using wavelet packet decomposition and wavelet-based optimized residual complexity. Structural Control and Health Monitoring, 2018, 25, e2048.	1.9	5
14	Finite element investigation on the effect of FSSW parameters on the size of welding subdivided zones in TRIP steels. International Journal of Advanced Manufacturing Technology, 2017, 88, 277-289.	1.5	7
15	Optimization of mechanical properties of <scp>PP/EPDM/</scp> clay nanocomposite fabricated by friction stir processing with response surface methodology and neural networks. Polymer Composites, 2017, 38, E421.	2.3	21
16	A method for acoustic source location in plate-type structures. Mechanical Systems and Signal Processing, 2017, 93, 92-103.	4.4	5
17	Processing of acoustic signals via wavelet & Choi - Williams analysis in three-point bending load of carbon/epoxy and glass/epoxy composites. Ultrasonics, 2017, 79, 1-8.	2.1	16
18	Comprehensive investigation into the dissimilar friction stir welding of Al 2024 to St37. International Journal of Advanced Manufacturing Technology, 2017, 93, 3599-3613.	1.5	6

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19	Application of response surface methodology for optimization of pulsating blank holder parameters in deep drawing process of Al 1050 rectangular parts. International Journal of Advanced Manufacturing Technology, 2017, 91, 731-737.	1.5	14
20	Numerical and experimental study on the effects of welding environment and input heat on properties of FSSWed TRIP steel. International Journal of Advanced Manufacturing Technology, 2017, 90, 1131-1143.	1.5	9
21	Effects of multi-pass FSP on the Î² phase (Mg17Al12) distribution and mechanical properties of AZ91C magnesium alloy. Journal of Achievements in Materials and Manufacturing Engineering, 2017, 2, 77-85.	0.2	3
22	Influence of machine parameters on material flow behavior during channeling in modified friction stir channeling. International Journal of Material Forming, 2016, 9, 1-8.	0.9	13
23	Investigations on joining of Nylon 6 plates via novel method of heat assisted friction stir welding to find the optimum process parameters. Science and Technology of Welding and Joining, 2016, 21, 660-669.	1.5	31
24	Characterization of Carbon Fiber/Epoxy Composite Damage by Acoustic Emission Using FFT and Wavelet Analysis. Advanced Engineering Forum, 2016, 17, 77-88.	0.3	4
25	Effect of processing parameters on morphology and tensile properties of PP/EPDM/organoclay nanocomposites fabricated by friction stir processing. Iranian Polymer Journal (English Edition), 2016, 25, 179-191.	1.3	16
26	Effect of heat treatment and number of passes on the microstructure and mechanical properties of friction stir processed AZ91C magnesium alloy. Journal of Mechanical Science and Technology, 2016, 30, 667-672.	0.7	19
27	Effects of welding environment on microstructure and mechanical properties of friction stir welded AZ91C magnesium alloy joints. Science and Technology of Welding and Joining, 2016, 21, 25-31.	1.5	28
28	Effect of process parameter on mechanical properties and fracture behavior of AZ91C/SiO2 composite fabricated by FSP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 655, 379-387.	2.6	25
29	Effects of Laser Welding Parameters on Polarization Resistance Of AISI 321 Austenitic Stainless Steel. Transactions of the Indian Institute of Metals, 2016, 69, 1129-1136.	0.7	2
30	Theoretical analysis of plate vibration due to acoustic signals. Applied Acoustics, 2016, 103, 82-89.	1.7	4
31	Continuous leakage location in noisy environment using modal and wavelet analysis with one AE sensor. Ultrasonics, 2015, 62, 305-311.	2.1	29
32	Influence of tool pin geometry and moving paths of tool on channel formation mechanism in modified friction stir channeling technique. International Journal of Advanced Manufacturing Technology, 2015, 80, 1087-1096.	1.5	13
33	A theoretical and experimental study on acoustic signals caused by leakage in buried gas-filled pipe. Applied Acoustics, 2015, 87, 1-8.	1.7	34
34	Experimental investigation of the effect of vibration on mechanical properties of 304 stainless steel welded parts. International Journal of Advanced Manufacturing Technology, 2014, 70, 1113-1124.	1.5	16
35	Acoustic emission source location in plates using wavelet analysis and cross time frequency spectrum. Ultrasonics, 2014, 54, 2055-2062.	2.1	52
36	Gas leak locating in steel pipe using wavelet transform and cross-correlation method. International Journal of Advanced Manufacturing Technology, 2014, 70, 1125-1135.	1.5	33

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37	Experimental investigation on flexural behavior of friction stir welded high density polyethylene sheets. Journal of Manufacturing Processes, 2014, 16, 149-155.	2.8	84
38	Numerical and experimental investigation of pulsating blankholder effect on drawing of cylindrical part of aluminum alloy in deep drawing process. International Journal of Advanced Manufacturing Technology, 2013, 69, 1113-1121.	1.5	13
39	On the feasibility of producing polymerâ€“metal composites via novel variant of friction stir processing. Journal of Manufacturing Processes, 2013, 15, 682-688.	2.8	50
40	Modeling Acoustic Emission Signals Caused by Leakage in Pressurized Gas Pipe. Journal of Nondestructive Evaluation, 2013, 32, 67-80.	1.1	14
41	Leakage Locating in Underground High Pressure Gas Pipe by Acoustic Emission Method. Journal of Nondestructive Evaluation, 2013, 32, 113-123.	1.1	25
42	Analysis of leakage in high pressure pipe using acoustic emission method. Applied Acoustics, 2013, 74, 335-342.	1.7	115
43	The effect of process parameters on microstructural characteristics of AZ91/SiO2 composite fabricated by FSP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 217-221.	2.6	108
44	Theorical Analysis of Leakage in High Pressure Pipe Using Acoustic Emission Method. Advanced Materials Research, 2012, 445, 917-922.	0.3	4
45	Modified Friction Stir Channeling: A Novel Technique for Fabrication of Friction Stir Channel. Applied Mechanics and Materials, 0, 302, 365-370.	0.2	19
46	Channel Formation in Modified Friction Stir Channeling. Applied Mechanics and Materials, 0, 302, 371-376.	0.2	17
47	Experimental and numerical investigation of the traction-separation law of mode II fracture in single-edge ultrasonic welding in polypropylene composite reinforced by glass fibers. Journal of Adhesion Science and Technology, 0, , 1-26.	1.4	0