

# Amir Mostafapour

## List of Publications by Year in descending order

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47  
papers

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citations

471061

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454577

30  
g-index

47  
all docs

47  
docs citations

47  
times ranked

773  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of leakage in high pressure pipe using acoustic emission method. Applied Acoustics, 2013, 74, 335-342.	1.7	115
2	The effect of process parameters on microstructural characteristics of AZ91/SiO <sub>2</sub> composite fabricated by FSP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 217-221.	2.6	108
3	Experimental investigation on flexural behavior of friction stir welded high density polyethylene sheets. Journal of Manufacturing Processes, 2014, 16, 149-155.	2.8	84
4	Acoustic emission source location in plates using wavelet analysis and cross time frequency spectrum. Ultrasonics, 2014, 54, 2055-2062.	2.1	52
5	On the feasibility of producing polymer-metal composites via novel variant of friction stir processing. Journal of Manufacturing Processes, 2013, 15, 682-688.	2.8	50
6	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
7	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
8	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
9	Continuous leakage location in noisy environment using modal and wavelet analysis with one AE sensor. Ultrasonics, 2015, 62, 305-311.	2.1	29
10	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
11	Three point bending test of glass/epoxy composite health monitoring by acoustic emission. AEJ - Alexandria Engineering Journal, 2019, 58, 567-578.	3.4	27
12	Leakage Locating in Underground High Pressure Gas Pipe by Acoustic Emission Method. Journal of Nondestructive Evaluation, 2013, 32, 113-123.	1.1	25
13	Effect of process parameter on mechanical properties and fracture behavior of AZ91C/SiO <sub>2</sub> composite fabricated by FSP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 655, 379-387.	2.6	25
14	Effect of ultrasonic assisted friction stir welding on microstructure and mechanical properties of AZ91-C magnesium alloy. Transactions of Nonferrous Metals Society of China, 2019, 29, 2514-2522.	1.7	22
15	Optimization of mechanical properties of PP/EPDM/clay nanocomposite fabricated by friction stir processing with response surface methodology and neural networks. Polymer Composites, 2017, 38, E421.	2.3	21
16	Heat-assisted friction stir welding of polymeric nanocomposite. Science and Technology of Welding and Joining, 2020, 25, 56-65.	1.5	20
17	Modified Friction Stir Channeling: A Novel Technique for Fabrication of Friction Stir Channel. Applied Mechanics and Materials, 0, 302, 365-370.	0.2	19
18	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

#	ARTICLE	IF	CITATIONS
19	Channel Formation in Modified Friction Stir Channeling. Applied Mechanics and Materials, 0, 302, 371-376.	0.2	17
20	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
21	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
22	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
23	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
24	Modeling Acoustic Emission Signals Caused by Leakage in Pressurized Gas Pipe. Journal of Nondestructive Evaluation, 2013, 32, 67-80.	1.1	14
25	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
26	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
27	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
28	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
29	Enhanced corrosion behavior and mechanical properties of AZ91 magnesium alloy developed by ultrasonic-assisted friction stir processing. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 109-117.	0.8	12
30	Study of morphology and mechanical properties of PP/EPDM/clay nanocomposites prepared using twin-screw extruder and friction stir process. Polymer Composites, 2019, 40, 3306-3314.	2.3	11
31	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
32	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
33	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
34	A method for acoustic source location in plate-type structures. Mechanical Systems and Signal Processing, 2017, 93, 92-103.	4.4	5
35	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
36	Theoretical Analysis of Leakage in High Pressure Pipe Using Acoustic Emission Method. Advanced Materials Research, 2012, 445, 917-922.	0.3	4

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37	Characterization of Carbon Fiber/Epoxy Composite Damage by Acoustic Emission Using FFT and Wavelet Analysis. <i>Advanced Engineering Forum</i> , 2016, 17, 77-88.	0.3	4
38	Theoretical analysis of plate vibration due to acoustic signals. <i>Applied Acoustics</i> , 2016, 103, 82-89.	1.7	4
39	Application of response surface methodology for weld strength prediction in FSSWed TRIP steel joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 183-198.	1.3	3
40	Characterization of Friction Stir and TIG Welded CK45 Carbon Steel. <i>Materials</i> , 2021, 14, 4098.	1.3	3
41	Influence of ultrasonic vibration on the microstructure and texture evolution of AZ91 magnesium alloy during ultrasonic-assisted friction stir welding. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 2371-2382.	1.3	3
42	Effects of multi-pass FSP on the $\beta$ phase (Mg <sub>17</sub> Al <sub>12</sub> ) distribution and mechanical properties of AZ91C magnesium alloy. <i>Journal of Achievements in Materials and Manufacturing Engineering</i> , 2017, 2, 77-85.	0.2	3
43	Mechanical and Microstructural Properties of HDPE Pipes Manufactured via Orbital Friction Stir Welding. <i>Materials</i> , 2022, 15, 3810.	1.3	3
44	Effects of Laser Welding Parameters on Polarization Resistance Of AISI 321 Austenitic Stainless Steel. <i>Transactions of the Indian Institute of Metals</i> , 2016, 69, 1129-1136.	0.7	2
45	Experimental study on the effects of preheating time and temperature of hot press process on the mechanical and metallurgical properties of AZ91C alloy sheet. <i>Materials Research Express</i> , 2019, 6, 056562.	0.8	2
46	Properties of Metal Extrusion Additive Manufacturing and Its Application in Digital Supply Chain Management. <i>IFAC-PapersOnLine</i> , 2021, 54, 199-204.	0.5	2
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. <i>Journal of Adhesion Science and Technology</i> , 0, , 1-26.	1.4	0