

Ali Esmaeili

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

438
citations

840585

11
h-index

887953

17
g-index

19
all docs

19
docs citations

19
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	A metallurgical and mechanical study on dissimilar Friction Stir welding of aluminum 1050 to brass (CuZn30). <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7093-7102.	2.6	112
2	The role of rotation speed on intermetallic compounds formation and mechanical behavior of friction stir welded brass/aluminum 1050 couple. <i>Intermetallics</i> , 2011, 19, 1711-1719.	1.8	86
3	Experimental Investigation of Material Flow and Welding Defects in Friction Stir Welding of Aluminum to Brass. <i>Materials and Manufacturing Processes</i> , 2012, 27, 1402-1408.	2.7	53
4	Strain and crack growth sensing capability of SWCNT reinforced epoxy in tensile and mode I fracture tests. <i>Composites Science and Technology</i> , 2020, 186, 107918.	3.8	32
5	An experimental and numerical investigation of highly strong and tough epoxy based nanocomposite by addition of MWCNTs: Tensile and mode I fracture tests. <i>Composite Structures</i> , 2020, 252, 112692.	3.1	25
6	The role of Metal-Matrix Composite development During Friction Stir Welding of Aluminum to Brass in Weld Characteristics. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 2429-2437.	1.2	21
7	Investigation of weld defects in dissimilar friction stir welding of aluminium to brass by radiography. <i>Science and Technology of Welding and Joining</i> , 2012, 17, 539-543.	1.5	20
8	Numerical study of static and dynamic fracture behaviours of neat epoxy resin. <i>Mechanics of Materials</i> , 2020, 140, 103214.	1.7	18
9	Synergistic effects of double-walled carbon nanotubes and nanoclays on mechanical, electrical and piezoresistive properties of epoxy based nanocomposites. <i>Composites Science and Technology</i> , 2020, 200, 108459.	3.8	17
10	Piezoresistive characterization of epoxy based nanocomposites loaded with SWCNTs and DWCNTs in tensile and fracture tests. <i>Polymer Composites</i> , 2020, 41, 2598-2609.	2.3	14
11	Complex Geometry Strain Sensors Based on 3D Printed Nanocomposites: Spring, Three-Column Device and Footstep-Sensing Platform. <i>Nanomaterials</i> , 2021, 11, 1106.	1.9	12
12	Effective addition of nanoclay in enhancement of mechanical and electromechanical properties of SWCNT reinforced epoxy: Strain sensing and crack-induced piezoresistivity. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 110, 102831.	2.1	8
13	A comparative study of the incorporation effect of SWCNT-OH and DWCNT with varied microstructural defects on tensile and impact strengths of epoxy based nanocomposite. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	7
14	Characteristics of Intermetallic Compounds in Dissimilar Friction Stir Welding: A Review. <i>Metallography, Microstructure, and Analysis</i> , 2019, 8, 445-461.	0.5	6
15	The role of intermetallic compounds and composite-like structure development during dissimilar friction stir welding of aluminum to brass on metallurgical and flexural characteristics. , 2016, , .		2
16	A method for determining the distribution of carbon nanotubes in nanocomposites by electric conductivity. <i>Procedia Structural Integrity</i> , 2022, 37, 105-114.	0.3	2
17	Evaluation of Thermal History and Defect in Friction Stir Processing of As-Cast Magnesium AZ91. <i>Materials Science Forum</i> , 2018, 916, 239-243.	0.3	1
18	Failure Analysis of a Flare Tip Used in Offshore Production Platform in Qatar. <i>Materials</i> , 2020, 13, 3426.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Enhanced tensile strength, fracture toughness and piezoresistive performances of CNT based epoxy nanocomposites using toroidal stirring assisted ultra-sonication. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 5557-5566.	1.5	1