Ali Esmaeili

List of Publications by Year
in descending order

19	438	840585 11	887953 17
papers	citations	h-index	g-index

19	19	19	401
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced tensile strength, fracture toughness and piezoresistive performances of CNT based epoxy nanocomposites using toroidal stirring assisted ultra-sonication. Mechanics of Advanced Materials and Structures, 2022, 29, 5557-5566.	1.5	1
2	A method for determining the distribution of carbon nanotubes in nanocomposites by electric conductivity. Procedia Structural Integrity, 2022, 37, 105-114.	0.3	2
3	Complex Geometry Strain Sensors Based on 3D Printed Nanocomposites: Spring, Three-Column Device and Footstep-Sensing Platform. Nanomaterials, 2021, 11, 1106.	1.9	12
4	Numerical study of static and dynamic fracture behaviours of neat epoxy resin. Mechanics of Materials, 2020, 140, 103214.	1.7	18
5	Strain and crack growth sensing capability of SWCNT reinforced epoxy in tensile and mode I fracture tests. Composites Science and Technology, 2020, 186, 107918.	3.8	32
6	An experimental and numerical investigation of highly strong and tough epoxy based nanocomposite by addition of MWCNTs: Tensile and mode I fracture tests. Composite Structures, 2020, 252, 112692.	3.1	25
7	Failure Analysis of a Flare Tip Used in Offshore Production Platform in Qatar. Materials, 2020, 13, 3426.	1.3	1
8	Effective addition of nanoclay in enhancement of mechanical and electromechanical properties of SWCNT reinforced epoxy: Strain sensing and crack-induced piezoresistivity. Theoretical and Applied Fracture Mechanics, 2020, 110, 102831.	2.1	8
9	Synergistic effects of double-walled carbon nanotubes and nanoclays on mechanical, electrical and piezoresistive properties of epoxy based nanocomposites. Composites Science and Technology, 2020, 200, 108459.	3.8	17
10	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. Journal of Polymer Research, 2020, 27, 1.	1.2	7
11	Piezoresistive characterization of epoxy based nanocomposites loaded with SWCNTsâ€ĐWCNTs in tensile and fracture tests. Polymer Composites, 2020, 41, 2598-2609.	2.3	14
12	Characteristics of Intermetallic Compounds in Dissimilar Friction Stir Welding: A Review. Metallography, Microstructure, and Analysis, 2019, 8, 445-461.	0.5	6
13	Evaluation of Thermal History and Defect in Friction Stir Processing of As-Cast Magnesium AZ91. Materials Science Forum, 2018, 916, 239-243.	0.3	1
14	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
15	Investigation of weld defects in dissimilar friction stir welding of aluminium to brass by radiography. Science and Technology of Welding and Joining, 2012, 17, 539-543.	1.5	20
16	The role of Metal-Matrix Composite development During Friction Stir Welding of Aluminum to Brass in Weld Characteristics. Journal of Materials Engineering and Performance, 2012, 21, 2429-2437.	1.2	21
17	Experimental Investigation of Material Flow and Welding Defects in Friction Stir Welding of Aluminum to Brass. Materials and Manufacturing Processes, 2012, 27, 1402-1408.	2.7	53
18	The role of rotation speed on intermetallic compounds formation and mechanical behavior of friction stir welded brass/aluminum 1050 couple. Intermetallics, 2011, 19, 1711-1719.	1.8	86

#	Article	IF	Citations
19	A metallurgical and mechanical study on dissimilar Friction Stir welding of aluminum 1050 to brass (CuZn30). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7093-7102.	2.6	112