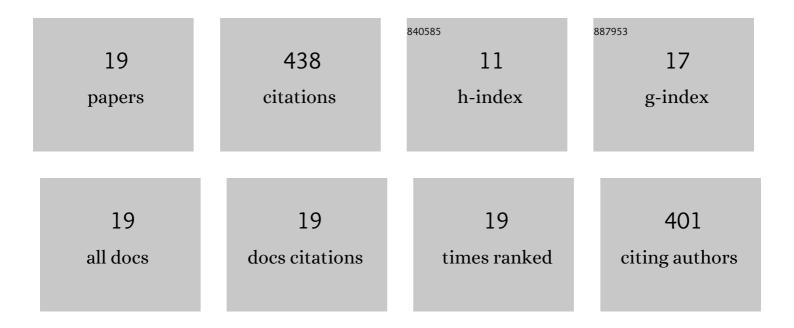
Ali Esmaeili

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2028993/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Numerical study of static and dynamic fracture behaviours of neat epoxy resin. Mechanics of Materials, 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. Composites Science and Technology, 2020, 200, 108459.	3.8	17
10	Piezoresistive characterization of epoxy based nanocomposites loaded with SWCNTsâ€ĐWCNTs in tensile and fracture tests. Polymer Composites, 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. Nanomaterials, 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. Theoretical and Applied Fracture Mechanics, 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. Journal of Polymer Research, 2020, 27, 1.	1.2	7
14	Characteristics of Intermetallic Compounds in Dissimilar Friction Stir Welding: A Review. Metallography, Microstructure, and Analysis, 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. Procedia Structural Integrity, 2022, 37, 105-114.	0.3	2
17	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
18	Failure Analysis of a Flare Tip Used in Offshore Production Platform in Qatar. Materials, 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. Mechanics of Advanced Materials and Structures, 2022, 29, 5557-5566.	1.5	1