Bahman Meyghani

List of Publications by Year
in descending order

23 papers	337 citations	840776 11 h-index	888059 17 g-index
32 all docs	32 docs citations	32 times ranked	123 citing authors

#	Article	IF	Citations
1	A modified friction model and its application in finite-element analysis of friction stir welding process. Journal of Manufacturing Processes, 2021, 72, 29-47.	5.9	17
2	A Comparison Between the Flat and the Curved Friction Stir Welding (FSW) Thermomechanical Behaviour. Archives of Computational Methods in Engineering, 2020, 27, 563-576.	10.2	16
3	Probabilistic finite element analysis of the deflection on a beam. IOP Conference Series: Materials Science and Engineering, 2020, 863, 012002.	0.6	2
4	Progress in Thermomechanical Analysis of Friction Stir Welding. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	3.7	35
5	Thermal analysis of friction stir processing (FSP) using arbitrary Lagrangianâ€Eulerian (ALE) and smoothed particle hydrodynamics (SPH) meshing techniques. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 550-557.	0.9	18
6	Finite element modeling of friction stir welding (FSW) on a complex curved plate. Journal of Advanced Joining Processes, 2020, 1, 100007.	2.7	16
7	Developing a Finite Element Model for Thermal Analysis of Friction Stir Welding (FSW) Using Hyperworks. Lecture Notes in Mechanical Engineering, 2020, , 619-628.	0.4	11
8	Temperature Distribution Investigation During Friction Stir Welding (FSW) Using Smoothed-Particle Hydrodynamics (SPH). Lecture Notes in Mechanical Engineering, 2020, , 749-761.	0.4	4
9	Finite Element Modeling of Nano Porous Sintered Silver Material. Lecture Notes in Mechanical Engineering, 2020, , 55-67.	0.4	1
10	The Effect of Pin Profiles and Process Parameters on Temperature and Tensile Strength in Friction Stir Welding of AL6061 Alloy. Lecture Notes in Mechanical Engineering, 2019, , 15-37.	0.4	10
11	The Effect of Friction Coefficient in Thermal Analysis of Friction Stir Welding (FSW). IOP Conference Series: Materials Science and Engineering, 2019, 495, 012102.	0.6	14
12	Finite element modeling of nano porous sintered silver material using computed tomography images. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 533-538.	0.9	3
13	Stress analysis of nano porous material using computed tomography images. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 234-239.	0.9	4
14	Oil well compressive strength analysis from sonic log; a case study. IOP Conference Series: Materials Science and Engineering, 2019, 495, 012077.	0.6	2
15	Development of a Finite Element Model for Thermal Analysis of Friction Stir Welding (FSW). IOP Conference Series: Materials Science and Engineering, 2019, 495, 012101.	0.6	14
16	Thermal Analysis of Friction Stir Welding with a Complex Curved Welding Seam (TECHNICAL NOTE). International Journal of Engineering, Transactions A: Basics, 2019, 32, .	0.4	2
17	A comparison between temperature dependent and constant Young's modulus values in investigating the effect of the process parameters on thermal behaviour during friction stir welding. Materialwissenschaft Und Werkstofftechnik, 2018, 49, 427-434.	0.9	16
18	Prediction of the Temperature Distribution During Friction Stir Welding (Fsw) With A Complex Curved Welding Seam: Application In The Automotive Industry. MATEC Web of Conferences, 2018, 225, 01001.	0.2	15

#	Article	IF	Citations
19	Bit selection using field drilling data and mathematical investigation. IOP Conference Series: Materials Science and Engineering, 2018, 328, 012008.	0.6	2
20	Developing a Finite Element Model for Thermal Analysis of Friction Stir Welding by Calculating Temperature Dependent Friction Coefficient. Lecture Notes in Mechanical Engineering, 2017, , 107-126.	0.4	25
21	A Comparison of Different Finite Element Methods in the Thermal Analysis of Friction Stir Welding (FSW). Metals, 2017, 7, 450.	2.3	69
22	A Mathematical Formulation for Calculating Temperature Dependent Friction Coefficient Values: Application in Friction Stir Welding (FSW). Defect and Diffusion Forum, 0, 379, 73-82.	0.4	17
23	A Novel Tool Path Strategy for Modelling Complicated Perpendicular Curved Movements. Key Engineering Materials, 0, 796, 164-174.	0.4	6