Bahman Meyghani

List of Publications by Year
in descending order

23	337	840776 11	888059 17
papers	citations	h-index	g-index

32	32	32	123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Comparison of Different Finite Element Methods in the Thermal Analysis of Friction Stir Welding (FSW). Metals, 2017, 7, 450.	2.3	69
2	Progress in Thermomechanical Analysis of Friction Stir Welding. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	3.7	35
3	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
4	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
5	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
6	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
7	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
8	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
9	Finite element modeling of friction stir welding (FSW) on a complex curved plate. Journal of Advanced Joining Processes, 2020, 1, 100007.	2.7	16
10	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
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	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
13	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
14	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
15	A Novel Tool Path Strategy for Modelling Complicated Perpendicular Curved Movements. Key Engineering Materials, 0, 796, 164-174.	0.4	6
16	Stress analysis of nano porous material using computed tomography images. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 234-239.	0.9	4
17	Temperature Distribution Investigation During Friction Stir Welding (FSW) Using Smoothed-Particle Hydrodynamics (SPH). Lecture Notes in Mechanical Engineering, 2020, , 749-761.	0.4	4
18	Finite element modeling of nano porous sintered silver material using computed tomography images. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 533-538.	0.9	3

#	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	Oil well compressive strength analysis from sonic log; a case study. IOP Conference Series: Materials Science and Engineering, 2019, 495, 012077.	0.6	2
21	Probabilistic finite element analysis of the deflection on a beam. IOP Conference Series: Materials Science and Engineering, 2020, 863, 012002.	0.6	2
22	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
23	Finite Element Modeling of Nano Porous Sintered Silver Material. Lecture Notes in Mechanical Engineering, 2020, , 55-67.	0.4	1