Eduard Laurentiu Nitu

List of Publications by Year
in descending order

41	119	1478505 6	1588992 8
papers	citations	h-index	g-index

41	41	41	94
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	FE-Modeling of Cold Rolling by In-Feed Method of Circular Grooves. Strojniski Vestnik/Journal of Mechanical Engineering, 2011, 57, 667-673.	1.1	15
2	Finite element analysis and experimental validation of the wedge rolling process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 1325-1339.	2.4	10
3	A numerical strategy to identify the FSW process optimal parameters of a butt-welded joint of quasi-pure copper plates: modeling and experimental validation. International Journal of Advanced Manufacturing Technology, 2021, 115, 2505-2520.	3.0	9
4	Numerical Simulation of Friction Stir Welding (FSW) Process Based on ABAQUS Environment. Solid State Phenomena, 2016, 254, 272-277.	0.3	8
5	Ergonomics study on an assembly line used in the automotive industry. MATEC Web of Conferences, 2019, 290, 12001.	0.2	8
6	Numerical Simulation of the Friction Stir Welding Process Using Coupled Eulerian Lagrangian Method. IOP Conference Series: Materials Science and Engineering, 2016, 145, 022017.	0.6	7
7	Friction Stir Welding of three dissimilar aluminium alloy used in aeronautics industry. IOP Conference Series: Materials Science and Engineering, 2017, 252, 012041.	0.6	7
8	Friction Stir Welding of three dissimilar aluminium alloy: AA2024, AA6061 and AA7075. IOP Conference Series: Materials Science and Engineering, 0, 400, 022013.	0.6	5
9	Algorithm to Use Some Specific Lean Manufacturing Methods: Application in an Industrial Production Process. Processes, 2021, 9, 641.	2.8	5
10	An efficient strategy for 3D numerical simulation of friction stir welding process of pure copper plates. IOP Conference Series: Materials Science and Engineering, 2020, 916, 012021.	0.6	4
11	Microstructure and Properties of Copper and 5754 Aluminum Alloy Joints by Friction Stir Welding. Revista De Chimie (discontinued), 2017, 68, 459-463.	0.4	4
12	Experimental investigations of tungsten inert gas assisted friction stir welding of pure copper plates. IOP Conference Series: Materials Science and Engineering, 2017, 252, 012038.	0.6	3
13	Lean Learning Factory at the University of Pitesti. IOP Conference Series: Materials Science and Engineering, 2019, 591, 012095.	0.6	3
14	Numerical simulation of Friction Stir Welding of three dissimilar aluminium alloys. IOP Conference Series: Materials Science and Engineering, 2019, 564, 012033.	0.6	3
15	Performance Analysis of a Layout of an Assembly Line Supplied Based on Stock or Synchronous. Applied Mechanics and Materials, 2013, 371, 42-47.	0.2	2
16	Analysis of microstructure and mechanical properties of aluminium-copper joints welded by FSW process. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012065.	0.6	2
17	Preliminary study on the microstructure and mechanical properties of dissimilar joints of aluminum alloy and pure copper by FSW. MATEC Web of Conferences, 2017, 112, 04005.	0.2	2
18	An application of Six Sigma to PPM reduction in the relationship with the external customer. IOP Conference Series: Materials Science and Engineering, 2018, 400, 062006.	0.6	2

#	Article	IF	Citations
19	Comparative study on microhardness between friction stir welding and tungsten inert gas assisted friction stir welding of pure copper. MATEC Web of Conferences, 2018, 178, 03002.	0.2	2
20	Analysis of the influence of position of welding materials on the FSW seams properties for three dissimilar aluminium alloy. MATEC Web of Conferences, 2018, 178, 03003.	0.2	2
21	An approach with genetic algorithms to improve the workstation space planning. IOP Conference Series: Materials Science and Engineering, 2019, 591, 012002.	0.6	2
22	Numerical investigation of the radial cold rolling process of the grooves. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2022, 236, 233-244.	2.4	2
23	Method for optimization of the orientation and fixing system of workpiece for the construction of control devices. MATEC Web of Conferences, 2017, 112, 06003.	0.2	2
24	Determination of Constitutive Equation at the Deformation of Materials Using the Compression Test. Advanced Materials Research, 2013, 837, 110-115.	0.3	1
25	Functional Modeling of an Assembly Line Supplied in Synchronous. Applied Mechanics and Materials, 2013, 371, 116-120.	0.2	1
26	Mathematical Model and Algorithm to Optimize the Construction of Adjustable Multi-Axis Heads. Applied Mechanics and Materials, 0, 371, 617-621.	0.2	1
27	Influence of Production Flow Management Methods on an Assembly Line Supplied on Stock. Applied Mechanics and Materials, 2014, 657, 971-975.	0.2	1
28	Comparative Study Concerning the Generation of some Circular Grooves by Radial Cold Rolling with Roller Tools and Cutting. Advanced Materials Research, 0, 1036, 246-251.	0.3	1
29	The Analysis of Performances of an Assembly Line in Synchronous Supply Managed with Kanban and Conwip Methods. Applied Mechanics and Materials, 0, 657, 966-970.	0.2	1
30	Comparative Study Concerning the Generation of some Circular Grooves by Cold Rolling with Wedge Tools and Cutting. Advanced Materials Research, 0, 1036, 298-303.	0.3	1
31	Orientation of process parameter values of TIG assisted FSW of copper to obtain improved mechanical properties. IOP Conference Series: Materials Science and Engineering, 2018, 400, 022017.	0.6	1
32	Numerical simulation of friction stir welding of pure copper plates. IOP Conference Series: Materials Science and Engineering, 2019, 564, 012031.	0.6	1
33	Optimization of the technological process and equipment of complex profiled parts. IOP Conference Series: Materials Science and Engineering, 2020, 916, 012058.	0.6	1
34	The Automatic Configuration Method of Modular Structures Composing Multi-Axis Heads. Applied Mechanics and Materials, 2013, 371, 426-430.	0.2	0
35	Influence of Tool - Semi-Product Friction on the Force Evolution at the Simulation of the Deformation Process with Flat Wedge Tools. Advanced Materials Research, 2013, 837, 93-98.	0.3	0
36	Optimizing the construction of devices to control inaccesible surfaces - case study. IOP Conference Series: Materials Science and Engineering, 2017, 252, 012047.	0.6	0

#	Article	IF	Citations
37	Analysis on the influence of supply method on a workstation with the help of dynamic simulation. MATEC Web of Conferences, 2017, 112, 06021.	0.2	0
38	Method of Optimizing the Construction of Machining, Assembly and Control Devices. IOP Conference Series: Materials Science and Engineering, 2017, 252, 012039.	0.6	0
39	From 3D layout to dynamic simulation model. MATEC Web of Conferences, 2017, 112, 06020.	0.2	0
40	Developing structures for the construction of the processing equipment - Case study. IOP Conference Series: Materials Science and Engineering, 2019, 591, 012021.	0.6	0
41	Analysis of Microstructure and Mechanical Properties of FSW Overlay Joints for Dissimilar Materials. Revista De Chimie (discontinued), 2017, 68, 1811-1815.	0.4	0