

Eduard Laurentiu Nitu

List of Publications by Year in descending order

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docs citations

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94
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#	ARTICLE	IF	CITATIONS
1	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
2	Algorithm to Use Some Specific Lean Manufacturing Methods: Application in an Industrial Production Process. Processes, 2021, 9, 641.	2.8	5
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	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
5	Optimization of the technological process and equipment of complex profiled parts. IOP Conference Series: Materials Science and Engineering, 2020, 916, 012058.	0.6	1
6	Ergonomics study on an assembly line used in the automotive industry. MATEC Web of Conferences, 2019, 290, 12001.	0.2	8
7	Lean Learning Factory at the University of Pitesti. IOP Conference Series: Materials Science and Engineering, 2019, 591, 012095.	0.6	3
8	An approach with genetic algorithms to improve the workstation space planning. IOP Conference Series: Materials Science and Engineering, 2019, 591, 012002.	0.6	2
9	Numerical simulation of friction stir welding of pure copper plates. IOP Conference Series: Materials Science and Engineering, 2019, 564, 012031.	0.6	1
10	Numerical simulation of Friction Stir Welding of three dissimilar aluminium alloys. IOP Conference Series: Materials Science and Engineering, 2019, 564, 012033.	0.6	3
11	Developing structures for the construction of the processing equipment - Case study. IOP Conference Series: Materials Science and Engineering, 2019, 591, 012021.	0.6	0
12	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
13	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
14	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
15	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
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	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
18	Optimizing the construction of devices to control inaccessible surfaces - case study. IOP Conference Series: Materials Science and Engineering, 2017, 252, 012047.	0.6	0

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Method of Optimizing the Construction of Machining, Assembly and Control Devices. IOP Conference Series: Materials Science and Engineering, 2017, 252, 012039.	0.6	0
23	From 3D layout to dynamic simulation model. MATEC Web of Conferences, 2017, 112, 06020.	0.2	0
24	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
25	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
26	Analysis of Microstructure and Mechanical Properties of FSW Overlay Joints for Dissimilar Materials. Revista De Chimie (discontinued), 2017, 68, 1811-1815.	0.4	0
27	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
28	Numerical Simulation of Friction Stir Welding (FSW) Process Based on ABAQUS Environment. Solid State Phenomena, 2016, 254, 272-277.	0.3	8
29	Influence of Production Flow Management Methods on an Assembly Line Supplied on Stock. Applied Mechanics and Materials, 2014, 657, 971-975.	0.2	1
30	The Automatic Configuration Method of Modular Structures Composing Multi-Axis Heads. Applied Mechanics and Materials, 2013, 371, 426-430.	0.2	0
31	Determination of Constitutive Equation at the Deformation of Materials Using the Compression Test. Advanced Materials Research, 2013, 837, 110-115.	0.3	1
32	Functional Modeling of an Assembly Line Supplied in Synchronous. Applied Mechanics and Materials, 2013, 371, 116-120.	0.2	1
33	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
34	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
35	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
36	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

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37	Mathematical Model and Algorithm to Optimize the Construction of Adjustable Multi-Axis Heads. Applied Mechanics and Materials, 0, 371, 617-621.	0.2	1
38	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
39	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
40	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
41	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