

Radosław Patyk

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

214
citations

1478505

6
h-index

1199594

12
g-index

30
all docs

30
docs citations

30
times ranked

105
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Experimental Analysis of Shear-Slitting of AA6111-T4 Aluminum Alloy Sheet. Materials, 2020, 13, 3175.	2.9	30
2	Modelling of guillotining process of grain oriented silicon steel using FEM. AIP Conference Proceedings, 2019, , .	0.4	24
3	Possibility of Steering of Product Surface Layers Properties in Burnishing Rolling Process. Applied Mechanics and Materials, 0, 474, 442-447.	0.2	21
4	Improving the Ecological and Energy Efficiency of Internal Combustion Engines by Ejector Chiller Using Recirculation Gas Heat. Lecture Notes in Networks and Systems, 2021, , 531-541.	0.7	21
5	Problems Determining of the Mechanical Properties of Metallic Materials from the Tensile Test in the Aspect of Numerical Calculations of the Technological Processes. Applied Mechanics and Materials, 0, 474, 454-459.	0.2	17
6	Three Dimensional Finite Element Simulation of Sheet Metal Blanking Process. Applied Mechanics and Materials, 0, 474, 430-435.	0.2	16
7	Incremental Modelling and Numerical Solution of the Contact Problem between Movable Elastic and Elastic/Visco-Plastic Bodies and Application in the Technological Processes. Applied Mechanics and Materials, 2014, 474, 159-164.	0.2	16
8	3D Numerical Analysis the State of Elastic/Visco-Plastic Strain in the External Round Thread Rolled on Cold. Applied Mechanics and Materials, 0, 474, 436-441.	0.2	15
9	Numerical Study of the Influence of Surface Regular Asperities Prepared in Previous Treatment by Embossing Process on the Object Surface Layer State after Burnishing. Applied Mechanics and Materials, 2014, 474, 448-453.	0.2	12
10	Advanced Structural and Technological Method of Reducing Distortion in Thin-Walled Welded Structures. Materials, 2021, 14, 504.	2.9	6
11	Analysis of the States of Deformation and Stress in the Surface Layer of the Product after the Burnishing Cold Rolling Operation. Materials Science Forum, 0, 862, 278-287.	0.3	5
12	Experimental and numerical researches of duplex burnishing process in aspect of achieved productive quality of the product. AIP Conference Proceedings, 2018, , .	0.4	5
13	Experimental and Numerical Studies of Tool Wear Processes in the Nibbling Process. Materials, 2022, 15, 107.	2.9	5
14	Prediction of the metric thread quality after axial thread rolling process on cold using of finite element methods. AIP Conference Proceedings, 2019, , .	0.4	4
15	Study of the influence of selected anisotropic parameter in the Barlat's model on the drawpiece shape. AIP Conference Proceedings, 2018, , .	0.4	3
16	3D finite element modelling of sheet metal blanking process. AIP Conference Proceedings, 2018, , .	0.4	3
17	Multiparameter modelling and analysis of mechanical cutting process of grain oriented silicon steel.. IEEE Magnetics Letters, 2021, , 1-1.	1.1	3
18	Numerical Investigations of the Effect of Process Parameters on Residual Stresses, Strains and Quality of Final Product in Blanking Using SPH Method. Materials Science Forum, 2016, 862, 238-245.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Burnishing rolling process of the surface prepared in the turning process. AIP Conference Proceedings, 2018, , .	0.4	2
20	Study the Possibility of Controlling the Magnitude and Distribution of Residual Stress in the Surface Layer of the Product after the Process Double Duplex Burnishing. Materials Science Forum, 0, 862, 262-269.	0.3	1
21	Evaluation of the correctness of the feed selection based on the analysis of chip's shape. AIP Conference Proceedings, 2018, , .	0.4	1
22	Application of Ultraviolet Laser Working in Cold Ablation Conditions for Cutting Labels Used in Packaging in the Food Industry. Materials, 2020, 13, 5245.	2.9	1
23	Criteria for the Minimum Operation Length of Internal Forces as a Function of the Development of an Optimum Structure of Machinery Structural Components. International Journal of Applied Mechanics and Engineering, 2016, 21, 997-1005.	0.7	1
24	Numerical analysis of embossing process of regular inequalities with triangular outline. Proceedings in Applied Mathematics and Mechanics, 2008, 8, 10751-10752.	0.2	0
25	Aspects of Burnishing Rolling Process of the Surface Prepared in Different Previous Treatments. Materials Science Forum, 2016, 862, 78-85.	0.3	0
26	Numerical analysis and experimental researches of the influence of technological parameters burnishing rolling process on fatigue wear of shafts. AIP Conference Proceedings, 2019, , .	0.4	0
27	FEM analysis of the plastic deformation of the regular arched asperities in the two-stage cold metal forming processes. AIP Conference Proceedings, 2019, , .	0.4	0
28	Topological optimization of machine elements with numerical methods in advanced FEM systems. AIP Conference Proceedings, 2019, , .	0.4	0
29	Theoretical fundamentals for formulation of discrete equations of motion in thermodynamic approach for description of metal forming processes. AIP Conference Proceedings, 2019, , .	0.4	0
30	Investigations of Polypropylene Foil Cutting Process Using Fiber Nd:Yag and Diode Nd:YVO4 Lasers. Acta Mechanica Et Automatica, 2019, 13, 107-112.	0.6	0