

# Leon KukieÅ,ka

## List of Publications by Year in descending order

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30  
papers

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citations

1040056

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h-index

1125743

13  
g-index

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30  
docs citations

30  
times ranked

113  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Use of a High-Pressure Water-Ice Jet for Removing Worn Paint Coating in Renovation Process. <i>Materials</i> , 2022, 15, 1168.	2.9	5
2	Batch Pyrolysis and Co-Pyrolysis of Beet Pulp and Wheat Straw. <i>Materials</i> , 2022, 15, 1230.	2.9	4
3	Experimental and Numerical Studies of Tool Wear Processes in the Nibbling Process. <i>Materials</i> , 2022, 15, 107.	2.9	5
4	Investigation of Condensing Heating Surfaces with Reduced Corrosion of Boilers with Water-Fuel Emulsion Combustion. <i>Lecture Notes in Networks and Systems</i> , 2021, , 300-309.	0.7	19
5	Experimental and Numerical Analysis of the Depth of the Strengthened Layer on Shafts Resulting from Roller Burnishing with Roller Braking Moment. <i>Materials</i> , 2021, 14, 5844.	2.9	9
6	A Comparison of the Geometrical Accuracy of Thin-Walled Elements Made of Different Aluminum Alloys. <i>Materials</i> , 2021, 14, 7242.	2.9	6
7	Non-Symmetrical Direct Extrusion – Analytical Modelling, Numerical Simulation and Experiment. <i>Materials</i> , 2021, 14, 7856.	2.9	0
8	Application of Ultraviolet Laser Working in Cold Ablation Conditions for Cutting Labels Used in Packaging in the Food Industry. <i>Materials</i> , 2020, 13, 5245.	2.9	1
9	Modeling and Experimental Analysis of Shear-Slitting of AA6111-T4 Aluminum Alloy Sheet. <i>Materials</i> , 2020, 13, 3175.	2.9	30
10	Experimental and numerical researches of duplex burnishing process in aspect of achieved productive quality of the product. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5
11	Burnishing rolling process of the surface prepared in the turning process. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
12	Evaluation of the correctness of the feed selection based on the analysis of chip's shape. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
13	Study of the influence of selected anisotropic parameter in the Barlat's model on the drawpiece shape. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
14	3D finite element modelling of sheet metal blanking process. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
15	Application of variational and FEM methods to the modelling and numerical analysis of guillotining process for geometrical and physical nonlinearity. <i>Mechanika</i> , 2014, 20, .	0.5	10
16	Numerical Study of the Influence of Surface Regular Asperities Prepared in Previous Treatment by Embossing Process on the Object Surface Layer State after Burnishing. <i>Applied Mechanics and Materials</i> , 2014, 474, 448-453.	0.2	12
17	Incremental Modelling and Numerical Solution of the Contact Problem between Movable Elastic and Elastic/Visco-Plastic Bodies and Application in the Technological Processes. <i>Applied Mechanics and Materials</i> , 2014, 474, 159-164.	0.2	16
18	New method of determination of the tool rake angle on the basis of the crack angle of the specimen in tensile tests and numerical simulations. <i>WIT Transactions on Engineering Sciences</i> , 2009, , .	0.0	2

#	ARTICLE	IF	CITATIONS
19	Numerical analysis of the physical phenomena in the working zone in the rolling process of the round thread. WIT Transactions on Engineering Sciences, 2007, , .	0.0	10
20	Numerical analysis of the influence of abrasive grain geometry and cutting angle on states of strain and stress in the surface layer of object. WIT Transactions on Engineering Sciences, 2007, , .	0.0	7
21	Numerical analysis of the process of trapezoidal thread rolling. WIT Transactions on the Built Environment, 2006, , .	0.0	12
22	A possibility of application of MTDIL to the Residual stresses analysis. Journal of Thermal Analysis and Calorimetry, 2004, 77, 253-258.	3.6	15
23	Designating the field areas for the contact of a rotary burnishing element with the rough surface of a part, providing a high-quality product. Journal of Mechanical Working Technology, 1989, 19, 319-356.	0.1	24
24	Possibility of Steering of Product Surface Layers Properties in Burnishing Rolling Process. Applied Mechanics and Materials, 0, 474, 442-447.	0.2	21
25	Using Nonlinear Contact Mechanics in Process of Tool Edge Movement on Deformable Body to Analysis of Cutting and Sliding Burnishing Processes. Applied Mechanics and Materials, 0, 474, 339-344.	0.2	13
26	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
27	Three Dimensional Finite Element Simulation of Sheet Metal Blanking Process. Applied Mechanics and Materials, 0, 474, 430-435.	0.2	16
28	Numerical Analysis and Simulation of Drawpiece Forming Process by Finite Element Method. Applied Mechanics and Materials, 0, 474, 153-158.	0.2	9
29	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
30	APPLICATION OF VARIATIONAL AND FEM METHODS TO THE MODELLING AND NUMERICAL ANALYSIS OF THE SLITTING PROCESS FOR GEOMETRICAL AND PHYSICAL NONLINEARITY. Journal of Theoretical and Applied Mechanics, 0, , 487.	0.5	9