

Patrik Årnga

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Kinematical Analysis of Crank Slider Mechanism Using MSC Adams/View. <i>Procedia Engineering</i> , 2012, 48, 213-222.	1.2	24
2	Simulation of Electrical System using Bond Graphs and MATLAB/Simulink. <i>Procedia Engineering</i> , 2012, 48, 656-664.	1.2	15
3	Analysis of crack initiation in the press frame and innovation of the frame to ensure its further operation. <i>Engineering Failure Analysis</i> , 2011, 18, 244-255.	4.0	14
4	Determination of the Necessary Geometric Parameters of the Specimen in Ring-Core Method. <i>Applied Mechanics and Materials</i> , 0, 486, 90-95.	0.2	14
5	A geometric approach to modeling of four- and five-link planar snake-like robot. <i>International Journal of Advanced Robotic Systems</i> , 2016, 13, 172988141666371.	2.1	12
6	Experimental and Numerical Analysis of 60-Year-Old Sluice Gate Affected by Long-Term Operation. <i>Materials</i> , 2020, 13, 5201.	2.9	9
7	Estimation of Residual Stress Field Uniformity when Using the Ring-Core Method. <i>Advanced Materials Research</i> , 0, 996, 325-330.	0.3	8
8	Analysis of the Geometric Shape of the Cutter in Ring-core Measurement. <i>Procedia Engineering</i> , 2014, 96, 289-293.	1.2	6
9	Simulation of Mechanical System with Two Degrees of Freedom with Bond Graphs and MATLAB/Simulink. <i>Procedia Engineering</i> , 2012, 48, 223-232.	1.2	5
10	SolidWorks API for Ring-Core simulations. , 2014, , .		5
11	Impact of Cladding Technology on Residual Stresses within the Renovation of High Pressure Die Casting Molds. <i>Metals</i> , 2022, 12, 388.	2.3	4
12	Residual Stress Analysis in Containers for Transport of Radioactive Materials. <i>Applied Mechanics and Materials</i> , 0, 732, 28-31.	0.2	2
13	Comparison of Different Simulation Approaches in Ring-Core Method. <i>American Journal of Mechanical Engineering</i> , 2014, 2, 258-261.	0.4	2
14	Kinematic Analysis Planar Mechanism of a Pump Using MSC Adams. <i>Applied Mechanics and Materials</i> , 0, 611, 98-106.	0.2	1
15	Determination of the Possible Causes of Cracks in Pins of Quick Operating Valves in Hydroelectric Power Plant. <i>Advanced Materials Research</i> , 0, 996, 827-832.	0.3	1
16	Kinematics Analysis of the Crank Mechanism Conveyor Using MSC Adams. <i>Applied Mechanics and Materials</i> , 0, 816, 140-149.	0.2	1
17	Balancing of Forces in Segments of Axial Bearing by Dynamometers. <i>Applied Mechanics and Materials</i> , 2015, 816, 437-442.	0.2	1
18	Utilisation Possibilities of PhotoStress Method in Determination of Residual Stresses. <i>Applied Mechanics and Materials</i> , 0, 732, 3-8.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Proposal of Methodology and Calibration of Dynamometers for Quantification of Forces in Anchor Bolts. Acta Mechanica Slovaca, 2014, 18, 14-19.	0.1	1
20	Appraisal of the Drilling Speed Influence on the Evaluated Residual Stress Values. Procedia Engineering, 2014, 96, 454-457.	1.2	0
21	Program Tools for Residual Stress Evaluation by Ring-Core Method. Applied Mechanics and Materials, 0, 816, 389-394.	0.2	0
22	Analysis of Differential Method Used for the Evaluation of Uniform Residual Stresses by the Ring-Core Method. Applied Mechanics and Materials, 0, 732, 20-23.	0.2	0
23	Verification of the Geometric Parameters of the Ring-Core Method. Applied Mechanics and Materials, 0, 827, 109-112.	0.2	0
24	Testing of Selected Accuracy Parameters for the Single Axis Positioner at the Automated Workplace. Measurement Science Review, 2021, 21, 47-54.	1.0	0
25	MONITORING OF THE ELECTRIC MOTOR PARAMETERS. Technical Sciences and Technologies, 2021, , 188-195.	0.0	0
26	PROPOSAL OF MONITORING OF THE HEAT EXCHANGER STATION. Technical Sciences and Technologies, 2021, , 237-243.	0.0	0
27	Experimental Investigation of the Fatigue Lifespan of Anchor Bolts with Consideration of Loading History. Applied Sciences (Switzerland), 2021, 11, 11399.	2.5	0
28	Complex Analysis of the Necessary Geometric Parameters of the Tested Component in the Ring-Core Evaluation Process. Measurement Science Review, 2022, 22, 136-142.	1.0	0