

Tomasz Trzepieciński

List of Publications by Year in descending order

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149
papers

1,660
citations

304743

22
h-index

414414

32
g-index

152
all docs

152
docs citations

152
times ranked

1136
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress distribution in adhesively-bonded joints and the loading capacity of hybrid joints of car body steels for the automotive industry. <i>International Journal of Adhesion and Adhesives</i> , 2013, 45, 42-52.	2.9	53
2	Stress and failure analysis of the crankshaft of diesel engine. <i>Engineering Failure Analysis</i> , 2017, 82, 703-712.	4.0	52
3	Recent Developments and Trends in the Friction Testing for Conventional Sheet Metal Forming and Incremental Sheet Forming. <i>Metals</i> , 2020, 10, 47.	2.3	51
4	Recent Developments and Trends in Sheet Metal Forming. <i>Metals</i> , 2020, 10, 779.	2.3	49
5	New Advances and Future Possibilities in Forming Technology of Hybrid Metal-Polymer Composites Used in Aerospace Applications. <i>Journal of Composites Science</i> , 2021, 5, 217.	3.0	45
6	Analysis of the mechanical properties and of micrographs of refill friction stir spot welded 7075-T6 aluminium sheets. <i>Archives of Civil and Mechanical Engineering</i> , 2018, 18, 235-244.	3.8	44
7	The repeatability positioning analysis of the industrial robot arm. <i>Assembly Automation</i> , 2014, 34, 285-295.	1.7	43
8	Effect of Computational Parameters on Springback Prediction by Numerical Simulation. <i>Metals</i> , 2017, 7, 380.	2.3	40
9	On the influence of deformation of deep drawing quality steel sheet on surface topography and friction. <i>Tribology International</i> , 2017, 115, 78-88.	5.9	39
10	Optimal configuration of piezoelectric sensors and actuators for active vibration control of a plate using a genetic algorithm. <i>Acta Mechanica</i> , 2015, 226, 3451-3462.	2.1	38
11	Numerical and Experimental Study of Frictional Behavior in Bending Under Tension Test. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2013, 59, 41-49.	1.1	36
12	Refill friction stir spot welding of 7075-T6 aluminium alloy single-lap joints with polymer sealant interlayer. <i>Composite Structures</i> , 2018, 201, 389-397.	5.8	36
13	Emerging Trends in Single Point Incremental Sheet Forming of Lightweight Metals. <i>Metals</i> , 2021, 11, 1188.	2.3	35
14	Frictional characteristics of steel sheets used in automotive industry. <i>International Journal of Automotive Technology</i> , 2015, 16, 849-863.	1.4	34
15	Impact of multiwall carbon nanotubes on the fatigue strength of adhesive joints. <i>International Journal of Adhesion and Adhesives</i> , 2017, 73, 16-21.	2.9	34
16	A Study of the Coefficient of Friction in Steel Sheets Forming. <i>Metals</i> , 2019, 9, 988.	2.3	34
17	Warm forming of stainless steel sheet. <i>Archives of Civil and Mechanical Engineering</i> , 2010, 10, 85-94.	3.8	33
18	Investigation of anisotropy problems in sheet metal forming using finite element method. <i>International Journal of Material Forming</i> , 2011, 4, 357-369.	2.0	31

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19	The influence of temperature gradient thermal shock cycles on the interlaminar shear strength of fibre metal laminate composite determined by the short beam test. <i>Composites Part B: Engineering</i> , 2019, 176, 107217.	12.0	31
20	Failure mechanisms of refill friction stir spot welded 7075-T6 aluminium alloy single-lap joints. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 4479-4491.	3.0	29
21	Tribological Performance of Environmentally Friendly Bio-Degradable Lubricants Based on a Combination of Boric Acid and Bio-Based Oils. <i>Materials</i> , 2020, 13, 3892.	2.9	28
22	Effect of tool material on tool wear and delamination during machining of particleboard. <i>Journal of Wood Science</i> , 2016, 62, 305-315.	1.9	25
23	3D elasto-plastic FEM analysis of the sheet drawing of anisotropic steel sheet. <i>Archives of Civil and Mechanical Engineering</i> , 2010, 10, 95-106.	3.8	24
24	Frictional Conditions of AA5251 Aluminium Alloy Sheets Using Drawbead Simulator Tests and Numerical Methods. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2014, 60, 51-60.	1.1	22
25	Analysis of the effect of structural defects on the fatigue strength of RFSSW joints using C&scan scanning acoustic microscopy and SEM. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 1308-1321.	3.4	22
26	A fully coupled thermo-mechanical numerical modelling of the refill friction stir spot welding process in Alclad 7075-T6 aluminium alloy sheets. <i>Archives of Civil and Mechanical Engineering</i> , 2020, 20, 1.	3.8	22
27	Characterization of BaTiO_3 piezoelectric perovskite material for multilayer actuators. <i>Bulletin of Materials Science</i> , 2017, 40, 759-771.	1.7	21
28	Modelling of multilayer actuator layers by homogenisation technique using Digimat software. <i>Ceramics International</i> , 2017, 43, 3259-3266.	4.8	20
29	Improving Prediction of Springback in Sheet Metal Forming Using Multilayer Perceptron-Based Genetic Algorithm. <i>Materials</i> , 2020, 13, 3129.	2.9	20
30	Parametric Effects of Single Point Incremental Forming on Hardness of AA1100 Aluminium Alloy Sheets. <i>Materials</i> , 2021, 14, 7263.	2.9	20
31	Characterization of mechanical properties of barium titanate ceramics with different grain sizes. <i>Materials Science-Poland</i> , 2018, 36, 151-156.	1.0	19
32	Operational tests of wear dynamics of drills made of low-alloy high-speed HS2-5-1 steel. <i>Eksploracja i Niezawodność</i> , 2016, 18, 271-277.	2.0	18
33	Single-Point Incremental Forming of Titanium and Titanium Alloy Sheets. <i>Materials</i> , 2021, 14, 6372.	2.9	18
34	Recent Developments and Future Challenges in Incremental Sheet Forming of Aluminium and Aluminium Alloy Sheets. <i>Metals</i> , 2022, 12, 124.	2.3	18
35	Investigations of temperature-induced errors in positioning of an industrial robot arm. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 5421-5432.	1.5	17
36	Strength properties of aluminium/glass-fiber-reinforced laminate with additional epoxy adhesive film interlayer. <i>International Journal of Adhesion and Adhesives</i> , 2018, 85, 29-36.	2.9	17

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37	Polyoptimisation of the refill friction stir spot welding parameters applied in joining 7075-T6 Alclad aluminium alloy sheets used in aircraft components. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 3443-3457.	3.0	17
38	Strength Analysis of a Rib-Stiffened GLARE-Based Thin-Walled Structure. <i>Materials</i> , 2020, 13, 2929.	2.9	16
39	Surface Finish Analysis in Single Point Incremental Sheet Forming of Rib-Stiffened 2024-T3 and 7075-T6 Alclad Aluminium Alloy Panels. <i>Materials</i> , 2021, 14, 1640.	2.9	16
40	Experimental and numerical analysis of industrial warm forming of stainless steel sheet. <i>Journal of Manufacturing Processes</i> , 2017, 30, 532-540.	5.9	15
41	A Weighting Grade-Based Optimization Method for Determining Refill Friction Stir Spot Welding Process Parameters. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 6471-6482.	2.5	14
42	Effect of slide burnishing of shoulder fillets on the fatigue strength of X19NiCrMo4 steel shafts. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 2583-2593.	3.0	14
43	3D microstructure-based modelling of the deformation behaviour of ceramic matrix composites. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2911-2919.	5.7	14
44	Investigations of thickness distribution in hole expanding of thin steel sheets. <i>Archives of Civil and Mechanical Engineering</i> , 2012, 12, 279-283.	3.8	13
45	Analysis of the optimal orientation of robot gripper for an improved capability assembly process. <i>Robotics and Autonomous Systems</i> , 2015, 74, 253-266.	5.1	13
46	Investigating the influence of the chamfer and fillet on the high-cyclic fatigue strength of adhesive joints of steel parts. <i>Journal of Adhesion Science and Technology</i> , 2017, 31, 627-644.	2.6	13
47	Modelling the Influence of Slide Burnishing Parameters on the Surface Roughness of Shafts Made of 42CrMo4 Heat-Treatable Steel. <i>Materials</i> , 2021, 14, 1175.	2.9	13
48	Experimental Study on Drilling MDF with Tools Coated with TiAlN and ZrN. <i>Materials</i> , 2019, 12, 386.	2.9	12
49	Modeling of Friction Phenomena of Ti-6Al-4V Sheets Based on Backward Elimination Regression and Multi-Layer Artificial Neural Networks. <i>Materials</i> , 2021, 14, 2570.	2.9	12
50	Investigation into the Effect of RFSSW Parameters on Tensile Shear Fracture Load of 7075-T6 Alclad Aluminium Alloy Joints. <i>Materials</i> , 2021, 14, 3397.	2.9	12
51	On the Machinability of Medium Density Fiberboard by Drilling. <i>BioResources</i> , 2018, 13, .	1.0	12
52	Investigation of 17-4PH steel microstructure and conditions of elevated temperature forming of turbine engine strut. <i>Journal of Materials Processing Technology</i> , 2018, 252, 191-200.	6.3	11
53	Experimental and Numerical Investigations of Thin-Walled Stringer-Stiffened Panels Welded with RFSSW Technology under Uniaxial Compression. <i>Materials</i> , 2019, 12, 1785.	2.9	11
54	Residual Stresses and Surface Roughness Analysis of Truncated Cones of Steel Sheet Made by Single Point Incremental Forming. <i>Metals</i> , 2020, 10, 237.	2.3	10

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55	Central Composite Design Optimisation in Single Point Incremental Forming of Truncated Cones from Commercially Pure Titanium Grade 2 Sheet Metals. <i>Materials</i> , 2021, 14, 3634.	2.9	10
56	Fatigue Life Assessment of Refill Friction Stir Spot Welded Alclad 7075-T6 Aluminium Alloy Joints. <i>Metals</i> , 2020, 10, 633.	2.3	9
57	Effect of Lubrication on Friction in Bending under Tension Test-Experimental and Numerical Approach. <i>Metals</i> , 2020, 10, 544.	2.3	9
58	Coupled Thermomechanical Response Measurement of Deformation of Nickel-Based Superalloys Using Full-Field Digital Image Correlation and Infrared Thermography. <i>Materials</i> , 2021, 14, 2163.	2.9	9
59	Effect of Lubricant Type on the Friction Behaviours and Surface Topography in Metal Forming of Ti-6Al-4V Titanium Alloy Sheets. <i>Materials</i> , 2021, 14, 3721.	2.9	9
60	Proposal for an Experimental-Numerical Method for Friction Description in Sheet Metal Forming. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2015, 61, 383-391.	1.1	9
61	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
62	Polynomial Multiple Regression Analysis of the Lubrication Effectiveness of Deep Drawing Quality Steel Sheets by Eco-Friendly Vegetable Oils. <i>Materials</i> , 2022, 15, 1151.	2.9	9
63	Current Concepts for Cutting Metal-Based and Polymer-Based Composite Materials. <i>Journal of Composites Science</i> , 2022, 6, 150.	3.0	9
64	Variation of surface roughness, micro-hardness and friction behaviour during sheet-metal forming. <i>International Journal of Surface Science and Engineering</i> , 2018, 12, 119.	0.4	8
65	An Experimental Study of the Frictional Properties of Steel Sheets Using the Drawbead Simulator Test. <i>Materials</i> , 2019, 12, 4037.	2.9	8
66	Ultimate Load-Carrying Ability of Rib-Stiffened 2024-T3 and 7075-T6 Aluminium Alloy Panels under Axial Compression. <i>Materials</i> , 2021, 14, 1176.	2.9	8
67	Possibilities of application of incremental sheet-forming technique in aircraft industry. <i>Scientific Letters of Rzeszow University of Technology - Mechanics</i> , 2018, , 87-100.	0.2	8
68	Examination of the influence of pressing parameters on strength and geometry of joint between aluminum plate and sheet metal. <i>Archives of Civil and Mechanical Engineering</i> , 2012, 12, 292-298.	3.8	7
69	Synthesis of Barium Titanate Piezoelectric Ceramics for Multilayer Actuators (MLAs). <i>Acta Mechanica Et Automatica</i> , 2017, 11, 275-279.	0.6	7
70	A method of increasing the depth of the plastically deformed layer in the roller burnishing process. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	7
71	A Three-Dimensional Elastic-Plastic Contact Analysis of Vickers Indenter on a Deep Drawing Quality Steel Sheet. <i>Materials</i> , 2019, 12, 2153.	2.9	7
72	EFFECT OF THE PLASTIC STRAIN AND DRAWING QUALITY ON THE FRICTIONAL RESISTANCE OF STEEL SHEETS. <i>Acta Metallurgica Slovaca</i> , 2020, 26, 42-44.	0.7	7

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73	Numerical and Experimental Estimation of Forces During Longitudinal Rolling Process of Shaft Formation. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 1251-1260.	1.1	6
74	Prediction of springback in V-die air bending process by using finite element method. <i>MATEC Web of Conferences</i> , 2017, 121, 03023.	0.2	6
75	Analysis of the mechanism of fatigue failure of the Refill Friction Stir Spot Welded overlap joints. <i>Archives of Civil and Mechanical Engineering</i> , 2019, 19, 1419-1430.	3.8	6
76	Full-Field Temperature Measurement of Stainless Steel Specimens Subjected to Uniaxial Tensile Loading at Various Strain Rates. <i>Materials</i> , 2021, 14, 5259.	2.9	6
77	Numerical Simulation of Effect of Friction Directionality on Forming of Anisotropic Sheets. <i>International Journal of Simulation Modelling</i> , 2016, 16, 590-602.	1.3	6
78	Investigation of Surface Roughness in Incremental Sheet Forming of Conical Drawpieces from Pure Titanium Sheets. <i>Materials</i> , 2022, 15, 4278.	2.9	6
79	Assessment of the Depth of the Deformed Layer in the Roller Burnishing Process. <i>Strength of Materials</i> , 2018, 50, 493-503.	0.5	5
80	Multiphysics Modeling and Numerical Simulation in Computer-Aided Manufacturing Processes. <i>Metals</i> , 2021, 11, 175.	2.3	5
81	Assessment of the Tribological Properties of the Steel/Polymer/Steel Sandwich Material LITECOR. <i>Lubricants</i> , 2022, 10, 99.	2.9	5
82	Three-Dimensional Smooth Particle Hydrodynamics Modeling and Experimental Analysis of the Ballistic Performance of Steel-Based FML Targets. <i>Materials</i> , 2022, 15, 3711.	2.9	5
83	Multiple Regression and Neural Network Based Characterization of Friction in Sheet Metal Forming. <i>Advanced Materials Research</i> , 0, 1051, 204-210.	0.3	4
84	Study of Frictional Properties of AMS Nickel-Chromium Alloys. <i>Key Engineering Materials</i> , 2016, 674, 244-249.	0.4	4
85	A 3D FEM-Based Numerical Analysis of the Sheet Metal Strip Flowing Through Drawbead Simulator. <i>Metals</i> , 2020, 10, 45.	2.3	4
86	Forming Processes of Modern Metallic Materials. <i>Metals</i> , 2020, 10, 970.	2.3	4
87	Assessment of the effectiveness of lubrication of Ti-6Al-4V titanium alloy sheets using radial basis function neural networks. <i>Acta Polytechnica</i> , 2021, 61, 489-496.	0.6	4
88	FRICITION MODELING OF Al-Mg ALLOY SHEETS BASED ON MULTIPLE REGRESSION ANALYSIS AND NEURAL NETWORKS. <i>Advances in Science and Technology Research Journal</i> , 2017, 11, 48-57.	0.8	4
89	Effect of temperature variation on repeatability positioning of a robot when assembling parts with cylindrical surfaces. <i>Eksploatacja I Niezawodnosc</i> , 2018, 20, 503-513.	2.0	4
90	Split-Plot I-Optimal Design Optimisation of Combined Oil-Based and Friction Stir Rotation-Assisted Heating in SPIF of Ti-6Al-4V Titanium Alloy Sheet under Variable Oil Pressure. <i>Metals</i> , 2022, 12, 113.	2.3	4

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91	Surface Layer Properties of Low-Alloy High-Speed Steel after Grinding. Acta Mechanica Et Automatica, 2016, 10, 275-279.	0.6	3
92	Effect of Activation Function and Post Synaptic Potential on Response of Artificial Neural Network to Predict Frictional Resistance of Aluminium Alloy Sheets. IOP Conference Series: Materials Science and Engineering, 2017, 269, 012041.	0.6	3
93	Frictional Resistances of AMS5599 Nickel-based Alloy at High Pressure Conditions. IOP Conference Series: Materials Science and Engineering, 2018, 381, 012159.	0.6	3
94	Experimental Assessment of the Depth of the Deformed Layer in the Roller Burnishing Process. MATEC Web of Conferences, 2019, 290, 03008.	0.2	3
95	ANALYSIS OF CONTACT OF A RIGID SPHERE AGAINST A DEFORMABLE FLAT. Acta Metallurgica Slovaca, 2015, 21, 285.	0.7	3
96	Application of X-ray Diffraction for Residual Stress Analysis in Truncated Cones Made by Incremental Forming. Advances in Science and Technology Research Journal, 2020, 14, 103-111.	0.8	3
97	Application of Genetic Algorithm for Optimization of Neural Networks for Selected Tribological Test. Acta Mechanica Slovaca, 2012, 16, 54-60.	0.1	3
98	Modelling of Friction Phenomena Existed in Drawbead in Sheet Metal Forming. Materials, 2021, 14, 5887.	2.9	3
99	Load capacity of single-lap adhesive joints made of 2024-T3 aluminium alloy sheets after shot peening. International Journal of Advanced Manufacturing Technology, 2022, 119, 3013-3028.	3.0	3
100	Modelling of Barium Titanate Microstructure Based on Both the Boundary Element Method and a Homogenization Technique. Procedia Structural Integrity, 2017, 5, 562-568.	0.8	2
101	Experimental Investigation of Frictional Resistances in the Drawbead Region of the Sheet Metal Forming Processes. IOP Conference Series: Materials Science and Engineering, 2017, 269, 012042.	0.6	2
102	Influence of Heat Treatment on Content of the Carbide Phases in the Microstructure of High-Speed Steel. Archives of Foundry Engineering, 2017, 17, 59-62.	0.4	2
103	THE INFLUENCE OF MACHINING PARAMETERS AND TOOL WEAR ON THE DELAMINATION PROCESS DURING MILLING OF MELAMINE-FACED CHIPBOARD. , 2017, 60, 117-131.		2
104	Statistical Analysis and Optimisation of Data for the Design and Evaluation of the Shear Spinning Process. Materials, 2021, 14, 6099.	2.9	2
105	Machines and Horticultural Implements for the Cultivation of Small-Scale Herbs and Spices. Journal of Ecological Engineering, 2018, 19, 225-233.	1.1	2
106	Static and Dynamic Properties of Al-Mg Alloys Subjected to Hydrostatic Extrusion. Materials, 2022, 15, 1066.	2.9	2
107	FEM based deformability analysis of metal forming: Influence of material models and analysis approaches. , 2012, , .		1
108	Experimental and Numerical Study on Determination of Forces During Cold Rolling of Shafts. Journal of Iron and Steel Research International, 2013, 20, 57-63.	2.8	1

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109	Forming Limit Diagram of the AMS 5599 Sheet Metal. Archives of Metallurgy and Materials, 2013, 58, 1213-1217.	0.6	1
110	Research on Accuracy of Automatic System for Casting Measuring. Archives of Foundry Engineering, 2016, 16, 49-54.	0.4	1
111	Experimental Investigations of Induction Heating in Warm Forming of Stainless Steel Sheets. Tehnicki Vjesnik, 2018, 25, .	0.2	1
112	Modelling of the Effect of Slide Burnishing on the Surface Roughness of 42CrMo4 Steel Shafts. Lecture Notes in Mechanical Engineering, 2021, , 415-424.	0.4	1
113	Multivariate Modelling of Effectiveness of Lubrication of Ti-6al-4v Titanium Alloy Sheet using Vegetable Oil-Based Lubricants. Advances in Materials Science, 2021, 21, 26-39.	1.0	1
114	Forecasting the Mountability Level of a Robotized Assembly Station. Advances in Intelligent Systems and Computing, 2019, , 175-184.	0.6	1
115	QUALITY ASSURANCE OF MACHINE REPAIR IN PRODUCTION PLANTS. Acta Metallurgica Slovaca, 2017, 23, 387-393.	0.7	1
116	EXPERIMENTAL EVALUATION OF DRAW BEAD COEFFICIENT OF FRICTION. Acta Metallurgica Slovaca, 2017, 23, 337-344.	0.7	1
117	GRINDABILITY OF SELECTED GRADES OF LOW-ALLOY HIGH-SPEED STEEL. Advances in Science and Technology Research Journal, 2016, 10, 222-228.	0.8	1
118	METHOD OF FERTILIZATION OF ENERGY WILLOW PLANTATION USING SEWAGE SLUDGE. Inżynieria Ekologiczna, 2013, 14, 12-16.	0.2	1
119	Evaluation of friction coefficient of an auto-body steel sheet. Scientific Letters of Rzeszow University of Technology - Mechanics, 2016, , 247-258.	0.2	1
120	Experimental evaluation of value of friction coefficient in the drawbead region. Scientific Letters of Rzeszow University of Technology - Mechanics, 2018, , 77-85.	0.2	1
121	Variation of surface roughness, micro-hardness and friction behaviour during sheet-metal forming. International Journal of Surface Science and Engineering, 2018, 12, 119.	0.4	1
122	Friction stir welding of 2024-T3 aluminium alloy sheet with sheet pre-heating. Materiali in Tehnologije, 2018, 52, 283-288.	0.5	1
123	The Role of Al-10%Si Coating in the Manufacture and Use of Aluminized Open-Joint Steel Tubes. Materials, 2022, 15, 4210.	2.9	1
124	Study of Material Modeling Strategies for Deformability Analysis of Rectangular Cups. Advanced Materials Research, 2012, 498, 243-248.	0.3	0
125	Optimization of Selected Parameters of Modular Assembly Robot. Applied Mechanics and Materials, 2015, 791, 166-173.	0.2	0
126	Finite Element Modeling of Frictional and Material Anisotropy During Forming of Steel Cylindrical Cups. Applied Mechanics and Materials, 0, 789-790, 3-6.	0.2	0

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127	Effect of Grinding Parameters on the Surface Quality of Cutting Tools Made of High-Speed Low-Alloy Steels. <i>Strength of Materials</i> , 2016, 48, 566-572.	0.5	0
128	Micro-mechanical modelling of mechanical and electrical properties in homogeneous piezoelectric ceramic by using boundary integral formulations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 175, 012040.	0.6	0
129	Investigation of contact phenomena in turning using tools made of low-alloy high-speed steels. <i>Tehnicki Vjesnik</i> , 2017, 24, .	0.2	0
130	Fracture Prediction of Piezoelectric Ceramic by the 2-D Boundary Element Analysis. <i>Advanced Structured Materials</i> , 2018, , 85-102.	0.5	0
131	Analysis of sheet surface roughness change under contact with flat and spherical indenters. <i>Metallic Materials</i> , 2018, 55, 413-428.	0.3	0
132	Experimental and numerical study of the effect of rolling parameters on shaft deformation during the longitudinal rolling process. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
133	Microstructural modelling of polycrystalline materials and multilayer actuator layers. <i>Continuum Mechanics and Thermodynamics</i> , 2019, 31, 895-906.	2.2	0
134	Application of irregular roller burnishing in the shaft straightening process - Experimental and numerical study. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
135	Effect of Pressing Parameters on the Quality of Joint Formation of Heat Exchanger Fins with the Base Plate. <i>MATEC Web of Conferences</i> , 2019, 290, 03009.	0.2	0
136	Application of the grain boundary formulation and image processing-based algorithm in micro-mechanical analysis of piezoelectric ceramic. <i>Mathematics and Mechanics of Solids</i> , 2020, 25, 1384-1404.	2.4	0
137	Modelling Anisotropic Phenomena of Friction of Deep-Drawing Quality Steel Sheets Using Artificial Neural Networks. <i>Advances in Materials Science</i> , 2021, 21, 31-42.	1.0	0
138	Thermovisual analysis of stainless steel sheet heating. <i>Scientific Letters of Rzeszow University of Technology - Mechanics</i> , 2015, , 377-384.	0.2	0
139	Aktywne tłumienie drgań, płyty prostokątnej za pomocą... piezoelektrycznych elementów pomiarowych oraz wykonawczych. <i>Scientific Letters of Rzeszow University of Technology - Mechanics</i> , 2015, , 293-305.	0.2	0
140	Formation of microcracks near surgical defect in femur: Assessment of ultimate loading conditions. <i>Scientific Letters of Rzeszow University of Technology - Mechanics</i> , 2016, , 91-99.	0.2	0
141	ANALYSIS OF CRACK INITIATION AND PROPAGATION IN A PIEZOELECTRIC CERAMIC USING THE BOUNDARY ELEMENT METHOD. <i>Acta Metallurgica Slovaca</i> , 2017, 23, 330-336.	0.7	0
142	Wpływ odkształcenia blachy stalowej na zmianę struktury geometrycznej powierzchni w warunkach kontaktu powierzchni sferycznej z powierzchnią... <i>Scientific Letters of Rzeszow University of Technology - Mechanics</i> , 2018, , 47-56.	0.2	0
143	Analiza numeryczna odkształceń, blachy dc04 w procesie kształtowania wytłoczek osiowosymetrycznych. <i>Scientific Letters of Rzeszow University of Technology - Mechanics</i> , 2018, , 163-174.	0.2	0
144	Determination of Frictional Resistances of Deep Drawing Quality Steel Sheets in Bending Under Tension Test. <i>Acta Mechanica Slovaca</i> , 2019, 22, 12-17.	0.1	0

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145	Predicting the Error of a Robot's Positioning Repeatability with Artificial Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 41-48.	0.6	0
146	Effect of Sandblasting on Static and Fatigue Strength of Flash Butt Welded 75Cr4 Bandsaw Blades. <i>Materials</i> , 2021, 14, 6831.	2.9	0
147	Experimental Analysis of the Post-Buckling Behaviour of Compressed Stiffened Panel with Refill Friction Stir Spot Welded and Riveted Stringers. <i>Advances in Science and Technology Research Journal</i> , 2022, 16, 159-167.	0.8	0
148	Non-Symmetrical Direct Extrusion's Analytical Modelling, Numerical Simulation and Experiment. <i>Materials</i> , 2021, 14, 7856.	2.9	0
149	EXPERIMENTAL ANALYSIS OF ULTRALIGHT AIRCRAFT TYRE BEHAVIOUR UNDER AIRCRAFT LANDING PHASE. <i>Aviation</i> , 2022, 26, 124-129.	0.9	0