Tomasz TrzepieciÅ„ski

List of Publications by Year
in descending order

149	1,660	304743	414414
papers	citations	22 h-index	32 g-index

152	152	152	1136
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Static and Dynamic Properties of Al-Mg Alloys Subjected to Hydrostatic Extrusion. Materials, 2022, 15, 1066.	2.9	2
2	Recent Developments and Future Challenges in Incremental Sheet Forming of Aluminium and Aluminium Alloy Sheets. Metals, 2022, 12, 124.	2.3	18
3	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. Metals, 2022, 12, 113.	2.3	4
4	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
5	Polynomial Multiple Regression Analysis of the Lubrication Effectiveness of Deep Drawing Quality Steel Sheets by Eco-Friendly Vegetable Oils. Materials, 2022, 15, 1151.	2.9	9
6	Experimental Analysis of the Post-Buckling Behaviour of Compressed Stiffened Panel with Refill Friction Stir Spot Welded and Riveted Stringers. Advances in Science and Technology Research Journal, 2022, 16, 159-167.	0.8	0
7	Assessment of the Tribological Properties of the Steel/Polymer/Steel Sandwich Material LITECOR. Lubricants, 2022, 10, 99.	2.9	5
8	Current Concepts for Cutting Metal-Based and Polymer-Based Composite Materials. Journal of Composites Science, 2022, 6, 150.	3.0	9
9	Three-Dimensional Smooth Particle Hydrodynamics Modeling and Experimental Analysis of the Ballistic Performance of Steel-Based FML Targets. Materials, 2022, 15, 3711.	2.9	5
10	EXPERIMENTAL ANALYSIS OF ULTRALIGHT AIRCRAFT TYRE BEHAVIOUR UNDER AIRCRAFT LANDING PHASE. Aviation, 2022, 26, 124-129.	0.9	0
11	Investigation of Surface Roughness in Incremental Sheet Forming of Conical Drawpieces from Pure Titanium Sheets. Materials, 2022, 15, 4278.	2.9	6
12	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
13	Multiphysics Modeling and Numerical Simulation in Computer-Aided Manufacturing Processes. Metals, 2021, 11, 175.	2.3	5
14	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
15	Modelling the Influence of Slide Burnishing Parameters on the Surface Roughness of Shafts Made of 42CrMo4 Heat-Treatable Steel. Materials, 2021, 14, 1175.	2.9	13
16	Ultimate Load-Carrying Ability of Rib-Stiffened 2024-T3 and 7075-T6 Aluminium Alloy Panels under Axial Compression. Materials, 2021, 14, 1176.	2.9	8
17	Surface Finish Analysis in Single Point Incremental Sheet Forming of Rib-Stiffened 2024-T3 and 7075-T6 Alclad Aluminium Alloy Panels. Materials, 2021, 14, 1640.	2.9	16
18	Coupled Thermomechanical Response Measurement of Deformation of Nickel-Based Superalloys Using Full-Field Digital Image Correlation and Infrared Thermography. Materials, 2021, 14, 2163.	2.9	9

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19	Modeling of Friction Phenomena of Ti-6Al-4V Sheets Based on Backward Elimination Regression and Multi-Layer Artificial Neural Networks. Materials, 2021, 14, 2570.	2.9	12
20	Central Composite Design Optimisation in Single Point Incremental Forming of Truncated Cones from Commercially Pure Titanium Grade 2 Sheet Metals. Materials, 2021, 14, 3634.	2.9	10
21	Assessment of the effectiveness of lubrication of Ti-6Al-4V titanium alloy sheets using radial basis function neural networks. Acta Polytechnica, 2021, 61, 489-496.	0.6	4
22	Investigation into the Effect of RFSSW Parameters on Tensile Shear Fracture Load of 7075-T6 Alclad Aluminium Alloy Joints. Materials, 2021, 14, 3397.	2.9	12
23	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
24	Emerging Trends in Single Point Incremental Sheet Forming of Lightweight Metals. Metals, 2021, 11, 1188.	2.3	35
25	Effect of Lubricant Type on the Friction Behaviours and Surface Topography in Metal Forming of Ti-6Al-4V Titanium Alloy Sheets. Materials, 2021, 14, 3721.	2.9	9
26	New Advances and Future Possibilities in Forming Technology of Hybrid Metalâ€“Polymer Composites Used in Aerospace Applications. Journal of Composites Science, 2021, 5, 217.	3.0	45
27	Full-Field Temperature Measurement of Stainless Steel Specimens Subjected to Uniaxial Tensile Loading at Various Strain Rates. Materials, 2021, 14, 5259.	2.9	6
28	Modelling Anisotropic Phenomena of Friction of Deep-Drawing Quality Steel Sheets Using Artificial Neural Networks. Advances in Materials Science, 2021, 21, 31-42.	1.0	0
29	Statistical Analysis and Optimisation of Data for the Design and Evaluation of the Shear Spinning Process. Materials, 2021, 14, 6099.	2.9	2
30	Modelling of Friction Phenomena Existed in Drawbead in Sheet Metal Forming. Materials, 2021, 14, 5887.	2.9	3
31	Single-Point Incremental Forming of Titanium and Titanium Alloy Sheets. Materials, 2021, 14, 6372.	2.9	18
32	Experimental and Numerical Analysis of the Depth of the Strengthened Layer on Shafts Resulting from Roller Burnishing with Roller Braking Moment. Materials, 2021, 14, 5844.	2.9	9
33	Parametric Effects of Single Point Incremental Forming on Hardness of AA1100 Aluminium Alloy Sheets. Materials, 2021, 14, 7263.	2.9	20
34	Effect of Sandblasting on Static and Fatigue Strength of Flash Butt Welded 75Cr4 Bandsaw Blades. Materials, 2021, 14, 6831.	2.9	0
35	Non-Symmetrical Direct Extrusionâ€”Analytical Modelling, Numerical Simulation and Experiment. Materials, 2021, 14, 7856.	2.9	0
36	Application of the grain boundary formulation and image processing-based algorithm in micro-mechanical analysis of piezoelectric ceramic. Mathematics and Mechanics of Solids, 2020, 25, 1384-1404.	2.4	0

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37	A 3D FEM-Based Numerical Analysis of the Sheet Metal Strip Flowing Through Drawbead Simulator. Metals, 2020, 10, 45.	2.3	4
38	Effect of slide burnishing of shoulder fillets on the fatigue strength of X19NiCrMo4 steel shafts. International Journal of Advanced Manufacturing Technology, 2020, 106, 2583-2593.	3.0	14
39	Recent Developments and Trends in the Friction Testing for Conventional Sheet Metal Forming and Incremental Sheet Forming. Metals, 2020, 10, 47.	2.3	51
40	A fully coupled thermo-mechanical numerical modelling of the refill friction stir spot welding process in Alclad 7075-T6 aluminium alloy sheets. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	22
41	Improving Prediction of Springback in Sheet Metal Forming Using Multilayer Perceptron-Based Genetic Algorithm. Materials, 2020, 13, 3129.	2.9	20
42	Strength Analysis of a Rib-Stiffened GLARE-Based Thin-Walled Structure. Materials, 2020, 13, 2929.	2.9	16
43	Forming Processes of Modern Metallic Materials. Metals, 2020, 10, 970.	2.3	4
44	Tribological Performance of Environmentally Friendly Bio-Degradable Lubricants Based on a Combination of Boric Acid and Bio-Based Oils. Materials, 2020, 13, 3892.	2.9	28
45	Recent Developments and Trends in Sheet Metal Forming. Metals, 2020, 10, 779.	2.3	49
46	Fatigue Life Assessment of Refill Friction Stir Spot Welded Alclad 7075-T6 Aluminium Alloy Joints. Metals, 2020, 10, 633.	2.3	9
47	Residual Stresses and Surface Roughness Analysis of Truncated Cones of Steel Sheet Made by Single Point Incremental Forming. Metals, 2020, 10, 237.	2.3	10
48	Effect of Lubrication on Friction in Bending under Tension Test-Experimental and Numerical Approach. Metals, 2020, 10, 544.	2.3	9
49	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
50	EFFECT OF THE PLASTIC STRAIN AND DRAWING QUALITY ON THE FRICTIONAL RESISTANCE OF STEEL SHEETS. Acta Metallurgica Slovaca, 2020, 26, 42-44.	0.7	7
51	Predicting the Error of a Robotâ€™s Positioning Repeatability with Artificial Neural Networks. Advances in Intelligent Systems and Computing, 2020, , 41-48.	0.6	0
52	Microstructural modelling of polycrystalline materials and multilayer actuator layers. Continuum Mechanics and Thermodynamics, 2019, 31, 895-906.	2.2	0
53	Experimental and Numerical Investigations of Thin-Walled Stringer-Stiffened Panels Welded with RFSSW Technology under Uniaxial Compression. Materials, 2019, 12, 1785.	2.9	11
54	Application of irregular roller burnishing in the shaft straightening process - Experimental and numerical study. AIP Conference Proceedings, 2019, , .	0.4	0

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55	A Three-Dimensional Elastic-Plastic Contact Analysis of Vickers Indenter on a Deep Drawing Quality Steel Sheet. Materials, 2019, 12, 2153.	2.9	7
56	The influence of temperature gradient thermal shock cycles on the interlaminar shear strength of fibre metal laminate composite determined by the short beam test. Composites Part B: Engineering, 2019, 176, 107217.	12.0	31
57	Effect of Pressing Parameters on the Quality of Joint Formation of Heat Exchanger Fins with the Base Plate. MATEC Web of Conferences, 2019, 290, 03009.	0.2	0
58	Analysis of the mechanism of fatigue failure of the Refill Friction Stir Spot Welded overlap joints. Archives of Civil and Mechanical Engineering, 2019, 19, 1419-1430.	3.8	6
59	A Weighting Grade-Based Optimization Method for Determining Refill Friction Stir Spot Welding Process Parameters. Journal of Materials Engineering and Performance, 2019, 28, 6471-6482.	2.5	14
60	A Study of the Coefficient of Friction in Steel Sheets Forming. Metals, 2019, 9, 988.	2.3	34
61	Experimental Assessment of the Depth of the Deformed Layer in the Roller Burnishing Process. MATEC Web of Conferences, 2019, 290, 03008.	0.2	3
62	Experimental Study on Drilling MDF with Tools Coated with TiAlN and ZrN. Materials, 2019, 12, 386.	2.9	12
63	Polyoptimisation of the refill friction stir spot welding parameters applied in joining 7075-T6 Alclad aluminium alloy sheets used in aircraft components. International Journal of Advanced Manufacturing Technology, 2019, 103, 3443-3457.	3.0	17
64	Analysis of the effect of structural defects on the fatigue strength of RFSSW joints using Câ€scan scanning acoustic microscopy and SEM. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1308-1321.	3.4	22
65	An Experimental Study of the Frictional Properties of Steel Sheets Using the Drawbead Simulator Test. Materials, 2019, 12, 4037.	2.9	8
66	Forecasting the Mountability Level of a Robotized Assembly Station. Advances in Intelligent Systems and Computing, 2019, , 175-184.	0.6	1
67	Determination of Frictional Resistances of Deep Drawing Quality Steel Sheets in Bending Under Tension Test. Acta Mechanica Slovaca, 2019, 22, 12-17.	0.1	0
68	Fracture Prediction of Piezoelectric Ceramic by the 2-D Boundary Element Analysis. Advanced Structured Materials, 2018, , 85-102.	0.5	0
69	Failure mechanisms of refill friction stir spot welded 7075-T6 aluminium alloy single-lap joints. International Journal of Advanced Manufacturing Technology, 2018, 94, 4479-4491.	3.0	29
70	Investigation of 17-4PH steel microstructure and conditions of elevated temperature forming of turbine engine strut. Journal of Materials Processing Technology, 2018, 252, 191-200.	6.3	11
71	Analysis of the mechanical properties and of micrographs of refill friction stir spot welded 7075-T6 aluminium sheets. Archives of Civil and Mechanical Engineering, 2018, 18, 235-244.	3.8	44
72	Frictional Resistances of AMS5599 Nickel-based Alloy at High Pressure Conditions. IOP Conference Series: Materials Science and Engineering, 2018, 381, 012159.	0.6	3

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73	Analysis of sheet surface roughness change under contact with flat and spherical indenters. Metallic Materials, 2018, 55, 413-428.	0.3	0
74	Investigations of temperature-induced errors in positioning of an industrial robot arm. Journal of Mechanical Science and Technology, 2018, 32, 5421-5432.	1.5	17
75	Experimental Investigations of Induction Heating in Warm Forming of Stainless Steel Sheets. Tehnicki Vjesnik, 2018, 25, .	0.2	1
76	Experimental and numerical study of the effect of rolling parameters on shaft deformation during the longitudinal rolling process. AIP Conference Proceedings, 2018, , .	0.4	0
77	Assessment of the Depth of the Deformed Layer in the Roller Burnishing Process. Strength of Materials, 2018, 50, 493-503.	0.5	5
78	Strength properties of aluminium/glass-fiber-reinforced laminate with additional epoxy adhesive film interlayer. International Journal of Adhesion and Adhesives, 2018, 85, 29-36.	2.9	17
79	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	8
80	A method of increasing the depth of the plastically deformed layer in the roller burnishing process. AIP Conference Proceedings, 2018, , .	0.4	7
81	Refill friction stir spot welding of 7075-T6 aluminium alloy single-lap joints with polymer sealant interlayer. Composite Structures, 2018, 201, 389-397.	5.8	36
82	3D microstructure-based modelling of the deformation behaviour of ceramic matrix composites. Journal of the European Ceramic Society, 2018, 38, 2911-2919.	5.7	14
83	Characterization of mechanical properties of barium titanate ceramics with different grain sizes. Materials Science-Poland, 2018, 36, 151-156.	1.0	19
84	On the Machinability of Medium Density Fiberboard by Drilling. BioResources, 2018, 13, .	1.0	12
85	WpÅ‚yw odkształcenia blachy stalowej na zmianÄ™ struktury geometrycznej powierzchni w warunkach kontaktu powierzchni sferycznej z powierzchniÄ… pÅ‚askÄ…. Scientific Letters of Rzeszow University of Technology - Mechanics, 2018, , 47-56.	0.2	0
86	Analiza numeryczna odkształceń blachy dc04 w procesie kształtowania wytłoczek osiowosymetrycznych. Scientific Letters of Rzeszow University of Technology - Mechanics, 2018, , 163-174.	0.2	0
87	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
88	Possibilities of application of incremental sheet-forming technique in aircraft industry. Scientific Letters of Rzeszow University of Technology - Mechanics, 2018, , 87-100.	0.2	8
89	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
90	Friction stir welding of 2024-T3 aluminium alloy sheet with sheet pre-heating. Materiali in Tehnologije, 2018, 52, 283-288.	0.5	1

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91	Effect of temperature variation on repeatability positioning of a robot when assembling parts with cylindrical surfaces. Eksploatacja I Niezawodnosc, 2018, 20, 503-513.	2.0	4
92	Machines and Horticultural Implements for the Cultivation of Small-Scale Herbs and Spices. Journal of Ecological Engineering, 2018, 19, 225-233.	1.1	2
93	Investigating the influence of the chamfer and fillet on the high-cyclic fatigue strength of adhesive joints of steel parts. Journal of Adhesion Science and Technology, 2017, 31, 627-644.	2.6	13
94	On the influence of deformation of deep drawing quality steel sheet on surface topography and friction. Tribology International, 2017, 115, 78-88.	5.9	39
95	Modelling of multilayer actuator layers by homogenisation technique using Digimat software. Ceramics International, 2017, 43, 3259-3266.	4.8	20
96	Characterization of $${hbox {BaTiO}_{3}}$$ BaTiO 3 piezoelectric perovskite material for multilayer actuators. Bulletin of Materials Science, 2017, 40, 759-771.	1.7	21
97	Experimental and numerical analysis of industrial warm forming of stainless steel sheet. Journal of Manufacturing Processes, 2017, 30, 532-540.	5.9	15
98	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
99	Stress and failure analysis of the crankshaft of diesel engine. Engineering Failure Analysis, 2017, 82, 703-712.	4.0	52
100	Impact of multiwall carbon nanotubes on the fatigue strength of adhesive joints. International Journal of Adhesion and Adhesives, 2017, 73, 16-21.	2.9	34
101	Synthesis of Barium Titanate Piezoelectric Ceramics for Multilayer Actuators (MLAs). Acta Mechanica Et Automatica, 2017, 11, 275-279.	0.6	7
102	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
103	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
104	Micro-mechanical modelling of mechanical and electrical properties in homogeneous piezoelectric ceramic by using boundary integral formulations. IOP Conference Series: Materials Science and Engineering, 2017, 175, 012040.	0.6	0
105	Effect of Computational Parameters on Springback Prediction by Numerical Simulation. Metals, 2017, 7, 380.	2.3	40
106	Prediction of springback in V-die air bending process by using finite element method. MATEC Web of Conferences, 2017, 121, 03023.	0.2	6
107	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
108	Investigation of contact phenomena in turning using tools made of low-alloy high-speed steels. Tehnicki Vjesnik, 2017, 24, .	0.2	0

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109	QUALITY ASSURANCE OF MACHINE REPAIR IN PRODUCTION PLANTS. Acta Metallurgica Slovaca, 2017, 23, 387-393.	0.7	1
110	EXPERIMENTAL EVALUATION OF DRAW BEAD COEFFICIENT OF FRICTION. Acta Metallurgica Slovaca, 2017, 23, 337-344.	0.7	1
111	THE INFLUENCE OF MACHINING PARAMETERS AND TOOL WEAR ON THE DELAMINATION PROCESS DURING MILLING OF MELAMINE-FACED CHIPBOARD. , 2017, 60, 117-131.		2
112	FRICTION MODELING OF Al-Mg ALLOY SHEETS BASED ON MULTIPLE REGRESSION ANALYSIS AND NEURAL NETWORKS. Advances in Science and Technology Research Journal, 2017, 11, 48-57.	0.8	4
113	ANALYSIS OF CRACK INITIATION AND PROPAGATION IN A PIEZOELECTRIC CERAMIC USING THE BOUNDARY ELEMENT METHOD. Acta Metallurgica Slovaca, 2017, 23, 330-336.	0.7	0
114	Effect of Grinding Parameters on the Surface Quality of Cutting Tools Made of High-Speed Low-Alloy Steels. Strength of Materials, 2016, 48, 566-572.	0.5	0
115	Research on Accuracy of Automatic System for Casting Measuring. Archives of Foundry Engineering, 2016, 16, 49-54.	0.4	1
116	Surface Layer Properties of Low-Alloy High-Speed Steel after Grinding. Acta Mechanica Et Automatica, 2016, 10, 275-279.	0.6	3
117	Effect of tool material on tool wear and delamination during machining of particleboard. Journal of Wood Science, 2016, 62, 305-315.	1.9	25
118	Study of Frictional Properties of AMS Nickel-Chromium Alloys. Key Engineering Materials, 2016, 674, 244-249.	0.4	4
119	GRINDABILITY OF SELECTED GRADES OF LOW-ALLOY HIGH-SPEED STEEL. Advances in Science and Technology Research Journal, 2016, 10, 222-228.	0.8	1
120	Operational tests of wear dynamics of drills made of low-alloy high-speed HS2-5-1 steel. Eksploatacja I Niezawodnosc, 2016, 18, 271-277.	2.0	18
121	Numerical Simulation of Effect of Friction Directionality on Forming of Anisotropic Sheets. International Journal of Simulation Modelling, 2016, 16, 590-602.	1.3	6
122	Evaluation of friction coefficient of an auto-body steel sheet. Scientific Letters of Rzeszow University of Technology - Mechanics, 2016, , 247-258.	0.2	1
123	Formation of microcracks near surgical defect in femur: Assessment of ultimate loading conditions. Scientific Letters of Rzeszow University of Technology - Mechanics, 2016, , 91-99.	0.2	0
124	Optimization of Selected Parameters of Modular Assembly Robot. Applied Mechanics and Materials, 2015, 791, 166-173.	0.2	0
125	Frictional characteristics of steel sheets used in automotive industry. International Journal of Automotive Technology, 2015, 16, 849-863.	1.4	34
126	Analysis of the optimal orientation of robot gripper for an improved capability assembly process. Robotics and Autonomous Systems, 2015, 74, 253-266.	5.1	13

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127	Optimal configuration of piezoelectric sensors and actuators for active vibration control of a plate using a genetic algorithm. Acta Mechanica, 2015, 226, 3451-3462.	2.1	38
128	ANALYSIS OF CONTACT OF A RIGID SPHERE AGAINST A DEFORMABLE FLAT. Acta Metallurgica Slovaca, 2015, 21, 285.	0.7	3
129	Proposal for an Experimental-Numerical Method for Friction Description in Sheet Metal Forming. Strojniski Vestnik/Journal of Mechanical Engineering, 2015, 61, 383-391.	1.1	9
130	Thermovisual analysis of stainless steel sheet heating. Scientific Letters of Rzeszow University of Technology - Mechanics, 2015, , 377-384.	0.2	0
131	Aktywne tÅ‚umienie drgaÅ„ pÅ‚yty prostokÄ…tnej za pomocÄ… piezoelektrycznych elementÃ³w pomiarowych oraz wykonawczych. Scientific Letters of Rzeszow University of Technology - Mechanics, 2015, , 293-305.	0.2	0
132	Frictional Conditions of AA5251 Aluminium Alloy Sheets Using Drawbead Simulator Tests and Numerical Methods. Strojniski Vestnik/Journal of Mechanical Engineering, 2014, 60, 51-60.	1.1	22
133	The repeatability positioning analysis of the industrial robot arm. Assembly Automation, 2014, 34, 285-295.	1.7	43
134	Numerical and Experimental Estimation of Forces During Longitudinal Rolling Process of Shaft Formation. Arabian Journal for Science and Engineering, 2014, 39, 1251-1260.	1.1	6
135	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
136	Stress distribution in adhesively-bonded joints and the loading capacity of hybrid joints of car body steels for the automotive industry. International Journal of Adhesion and Adhesives, 2013, 45, 42-52.	2.9	53
137	Numerical and Experimental Study of Frictional Behavior in Bending Under Tension Test. Strojniski Vestnik/Journal of Mechanical Engineering, 2013, 59, 41-49.	1.1	36
138	Forming Limit Diagram of the AMS 5599 Sheet Metal. Archives of Metallurgy and Materials, 2013, 58, 1213-1217.	0.6	1
139	METHOD OF FERTILIZATION OF ENERGY WILLOW PLANTATION USING SEWAGE SLUDGE. InÅ¼ynieria Ekologiczna, 2013, 14, 12-16.	0.2	1
140	Study of Material Modeling Strategies for Deformability Analysis of Rectangular Cups. Advanced Materials Research, 2012, 498, 243-248.	0.3	0
141	FEM based deformability analysis of metal forming: Influence of material models and analysis approaches. , 2012, , .		1
142	Examination of the influence of pressing parameters on strength and geometry of joint between aluminum plate and sheet metal. Archives of Civil and Mechanical Engineering, 2012, 12, 292-298.	3.8	7
143	Investigations of thickness distribution in hole expanding of thin steel sheets. Archives of Civil and Mechanical Engineering, 2012, 12, 279-283.	3.8	13
144	Application of Genetic Algorithm for Optimization of Neural Networks for Selected Tribological Test. Acta Mechanica Slovaca, 2012, 16, 54-60.	0.1	3

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145	Investigation of anisotropy problems in sheet metal forming using finite element method. International Journal of Material Forming, 2011, 4, 357-369.	2.0	31
146	Warm forming of stainless steel sheet. Archives of Civil and Mechanical Engineering, 2010, 10, 85-94.	3.8	33
147	3D elasto-plastic FEM analysis of the sheet drawing of anisotropic steel sheet. Archives of Civil and Mechanical Engineering, 2010, 10, 95-106.	3.8	24
148	Multiple Regression and Neural Network Based Characterization of Friction in Sheet Metal Forming. Advanced Materials Research, 0, 1051, 204-210.	0.3	4
149	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