

Grzegorz KrÅ³czyk

List of Publications by Year in descending order

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186
papers

7,146
citations

41323

49
h-index

76872

74
g-index

189
all docs

189
docs citations

189
times ranked

3403
citing authors

#	ARTICLE	IF	CITATIONS
1	Technology development and commercial applications of industrial fault diagnosis system: a review. International Journal of Advanced Manufacturing Technology, 2022, 118, 3497-3529.	1.5	15
2	Measurement and analysis of machining induced tribological characteristics in dual jet minimum quantity lubrication assisted turning of duplex stainless steel. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110353.	2.5	34
3	Tribological and thermal behavior with wear identification in contact interaction of the Ti6Al4V-sintered carbide with AlTiN coatings pair. Tribology International, 2022, 167, 107394.	3.0	8
4	Phase change material heat storage performance in the solar thermal storage structure employing experimental evaluation. Journal of Energy Storage, 2022, 46, 103638.	3.9	31
5	A short review on thermal treatments of Titanium & Nickel based alloys processed by selective laser melting. Journal of Materials Research and Technology, 2022, 16, 1090-1101.	2.6	29
6	Visualizing rheological mechanism of magnetorheological fluids. Smart Materials and Structures, 2022, 31, 025027.	1.8	8
7	Cutting forces and temperature measurements in cryogenic assisted turning of AA2024-T351 alloy: An experimentally validated simulation approach. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110594.	2.5	40
8	Heat transfer enhancement of latent heat thermal energy storage in solar heating system: A state-of-the-art review. Journal of Energy Storage, 2022, 46, 103727.	3.9	52
9	In-process detection of cutting forces and cutting temperature signals in cryogenic assisted turning of titanium alloys: An analytical approach and experimental study. Mechanical Systems and Signal Processing, 2022, 169, 108772.	4.4	23
10	An introduction to machining tribology. , 2022, , 1-36.		0
11	Rescheduling of Distributed Manufacturing System with Machine Breakdowns. Electronics (Switzerland), 2022, 11, 249.	1.8	5
12	Application of optimized lubri-cooling technique in through-feed centerless grinding process of bearing steel SAE 52100. International Journal of Advanced Manufacturing Technology, 2022, 120, 515-526.	1.5	3
13	Environmental, technological and economical aspects of cryogenic assisted hard machining operation of inconel 718: A step towards green manufacturing. Journal of Cleaner Production, 2022, 337, 130483.	4.6	44
14	Structural fatigue life prediction considering model uncertainties through a novel digital twin-driven approach. Computer Methods in Applied Mechanics and Engineering, 2022, 391, 114512.	3.4	33
15	Fusion Deconvolution for Reliability Analysis of A Flywheel-Battery Hybrid Energy Storage System. Journal of Energy Storage, 2022, 49, 104095.	3.9	4
16	Innovative Surface-Borehole Transient Electromagnetic Method for Sensing the Coal Seam Roof Grouting Effect. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9.	2.7	5
17	A novel machine learning model for safety risk analysis in flywheel-battery hybrid energy storage system. Journal of Energy Storage, 2022, 49, 104072.	3.9	8
18	Belt Tear Detection for Coal Mining Conveyors. Micromachines, 2022, 13, 449.	1.4	15

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19	Measuring Shape Parameters of Pearls in Batches Using Machine Vision: A Case Study. <i>Micromachines</i> , 2022, 13, 546.	1.4	4
20	Investigations on surface induced tribological characteristics in MQCL assisted machining of duplex stainless steel. <i>Journal of Materials Research and Technology</i> , 2022, 18, 2754-2769.	2.6	12
21	A technical overview of metallic parts in hybrid additive manufacturing industry. <i>Journal of Materials Research and Technology</i> , 2022, 18, 384-395.	2.6	28
22	Sustainable cooling strategies to reduce tool wear, power consumption and surface roughness during ultrasonic assisted turning of Ti-6Al-4V. <i>Tribology International</i> , 2022, 169, 107494.	3.0	67
23	Erosion characteristics on surface texture of additively manufactured AlSi10Mg alloy in SiO ₂ quartz added slurry environment. <i>Rapid Prototyping Journal</i> , 2022, 28, 916-932.	1.6	7
24	Tribological and surface morphological characteristics of titanium alloys: a review. <i>Archives of Civil and Mechanical Engineering</i> , 2022, 22, 1.	1.9	25
25	Monitoring Direct Current Resistivity During Coal Mining Process for Underground Water Detection: An Experimental Case Study. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-8.	2.7	4
26	Measuring Liquid Droplet Size in Two-Phase Nozzle Flow Employing Numerical and Experimental Analyses. <i>Micromachines</i> , 2022, 13, 684.	1.4	1
27	Damage Detection for Conveyor Belt Surface Based on Conditional Cycle Generative Adversarial Network. <i>Sensors</i> , 2022, 22, 3485.	2.1	16
28	Indirect monitoring of machining characteristics via advanced sensor systems: a critical review. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 7043-7078.	1.5	30
29	A new coverage path planning algorithm for unmanned surface mapping vehicle based on A-star based searching. <i>Applied Ocean Research</i> , 2022, 123, 103163.	1.8	13
30	A New Deep Model for Detecting Multiple Moving Targets in Real Traffic Scenarios: Machine Vision-Based Vehicles. <i>Sensors</i> , 2022, 22, 3742.	2.1	0
31	Adaptive Contrastive Learning with Label Consistency for Source Data Free Unsupervised Domain Adaptation. <i>Sensors</i> , 2022, 22, 4238.	2.1	3
32	Experimental characterisation of the performance of hybrid cryo-lubrication assisted turning of Ti-6Al-4V alloy. <i>Tribology International</i> , 2021, 153, 106582.	3.0	102
33	Cutting tool wear in turning 316L stainless steel in the conditions of minimized lubrication. <i>Tribology International</i> , 2021, 156, 106813.	3.0	51
34	Technological and tribological aspects of milling-burnishing process of complex surfaces. <i>Tribology International</i> , 2021, 155, 106770.	3.0	41
35	Metrological analysis of surface quality aspects in minimum quantity cooling lubrication. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 171, 108847.	2.5	27
36	Assessment of the classification ability of parameters characterizing surface topography formed in manufacturing and operation processes. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 170, 108715.	2.5	24

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37	Sensors selection for tool failure detection during machining processes: A simple accurate classification model. CIRP Journal of Manufacturing Science and Technology, 2021, 32, 108-119.	2.3	24
38	A Novel Ferrofluid Rolling Robot: Design, Manufacturing, and Experimental Analysis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	6
39	Comparison of microstructure and mechanical performance of laser and electron beam welded Ti6Al4V alloy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	5
40	Functional grading of surfaces through hybrid ultrasonic, abrasive water jet, and electric discharge machining processing. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	13
41	Experimental investigation into nano-finishing of Î²-TNTZ alloy using magnetorheological fluid magnetic abrasive finishing process for orthopedic applications. Journal of Materials Research and Technology, 2021, 11, 600-617.	2.6	39
42	Multiple-Criteria Decision-Making and Sensitivity Analysis for Selection of Materials for Knee Implant Femoral Component. Materials, 2021, 14, 2084.	1.3	75
43	Influence of tack operation on metallographic and angular distortion in electron beam welding of Ti-6Al-4V alloy. Measurement: Journal of the International Measurement Confederation, 2021, 175, 109160.	2.5	7
44	3D Parametric and Nonparametric Description of Surface Topography in Manufacturing Processes. Materials, 2021, 14, 1987.	1.3	15
45	The Roles of Magnetorheological Fluid in Modern Precision Machining Field: A Review. Frontiers in Materials, 2021, 8, .	1.2	15
46	Experimental analysis of wear and multi-shape burr loading during neurosurgical bone grinding. Journal of Materials Research and Technology, 2021, 12, 15-28.	2.6	16
47	A fractographic study exploring the fracture surface topography of S355J2 steel after pseudo-random bending-torsion fatigue tests. Measurement: Journal of the International Measurement Confederation, 2021, 178, 109443.	2.5	35
48	Surface Roughness Evaluation in Thin EN AW-6086-T6 Alloy Plates after Face Milling Process with Different Strategies. Materials, 2021, 14, 3036.	1.3	18
49	A comprehensive review on research developments of vegetable-oil based cutting fluids for sustainable machining challenges. Journal of Manufacturing Processes, 2021, 67, 286-313.	2.8	99
50	Machine vision-based intelligent manufacturing using a novel dual-template matching: a case study for lithium battery positioning. International Journal of Advanced Manufacturing Technology, 2021, 116, 2531-2551.	1.5	5
51	Review on design and development of cryogenic machining setups for heat resistant alloys and composites. Journal of Manufacturing Processes, 2021, 68, 398-422.	2.8	119
52	Influence of duplex jets MQL and nano-MQL cooling system on machining performance of Nimonic 80A. Journal of Manufacturing Processes, 2021, 69, 112-124.	2.8	68
53	A state-of-the-art review on tool wear and surface integrity characteristics in machining of superalloys. CIRP Journal of Manufacturing Science and Technology, 2021, 35, 624-658.	2.3	111
54	Life cycle assessment to establish sustainable cutting fluid strategy for drilling Ti-6Al-4V. Sustainable Materials and Technologies, 2021, 30, e00337.	1.7	4

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55	Concurrent Synthesis and Immobilization of Ag Nanoparticles over TiO ₂ via Plasma Reduction for Photocatalytic Treatment of Methyl Blue in Water. <i>Materials</i> , 2021, 14, 6082.	1.3	6
56	Renewable energy storage and sustainable design of hybrid energy powered ships: A case study. <i>Journal of Energy Storage</i> , 2021, 43, 103266.	3.9	61
57	Formation of Surface Topography During Turning of AISI 1045 Steel Considering the Type of Cutting Edge Coating. <i>Advances in Science and Technology Research Journal</i> , 2021, 15, 253-266.	0.4	8
58	Numerical and experimental investigations of built orientation dependent Johnsonâ€™Cook model for selective laser melting manufactured AlSi10Mg. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6244-6259.	2.6	30
59	Theoretical considerations on application of artificial intelligence in coordinate metrology. , 2021, , .		4
60	Parametric description of one-process surface texture. , 2021, , .		1
61	Effect of nanoparticles as a lubricants in nano-MQL machining of metallic materials: A review. , 2021, , .		2
62	Heat transfer mathematical model for a novel parabolic trough solar collecting system with V-shaped cavity absorber. <i>Sustainable Cities and Society</i> , 2020, 52, 101837.	5.1	10
63	Processing of Ti50Nb50âˆ™xHf composites by rapid microwave sintering technique for biomedical applications. <i>Journal of Materials Research and Technology</i> , 2020, 9, 242-252.	2.6	56
64	Surface topography analysis based on fatigue fractures obtained with bending of the 2017A-T4 alloy. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 152, 107347.	2.5	28
65	Data-driven Algorithm for real-time fatigue life prediction of structures with stochastic parameters. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 372, 113373.	3.4	29
66	Impact of layer rotation on micro-structure, grain size, surface integrity and mechanical behaviour of SLM Al-Si-10Mg alloy. <i>Journal of Materials Research and Technology</i> , 2020, 9, 9506-9522.	2.6	48
67	The Effect of an External Magnetic Field on the Aspect Ratio and Heat Input of Gas-Metal-Arc-Welded AZ31B Alloy Weld Joints Using a Response Surface Methodology. <i>Materials</i> , 2020, 13, 5269.	1.3	4
68	Magneto-Rheological Fluid Assisted Abrasive Nanofinishing of Î²-Phase Ti-Nb-Ta-Zr Alloy: Parametric Appraisal and Corrosion Analysis. <i>Materials</i> , 2020, 13, 5156.	1.3	18
69	Study on physical and technological effects of precise turning with self-propelled rotary tool. <i>Precision Engineering</i> , 2020, 66, 62-75.	1.8	13
70	Metrological basis for assessing the state of the active surface of abrasive tools based on parameters characterizing their machining potential. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 165, 108068.	2.5	18
71	On the Microstructure, Strength, Fracture, and Tribological Properties of Iron-Based MMCs with Addition of Mixed Carbide Nanoparticulates. <i>Materials</i> , 2020, 13, 2892.	1.3	6
72	Multi-objective optimization of drilling parameters for orthopaedic implants. Measurement and Control, 2020, 53, 1902-1910.	0.9	44

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73	On the Chip Shaping and Surface Topography When Finish Cutting 17-4 PH Precipitation-Hardening Stainless Steel under Near-Dry Cutting Conditions. <i>Materials</i> , 2020, 13, 2188.	1.3	14
74	Influence of geometry and surface morphology of the U-tube on the fluid flow in the range of various velocities. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 164, 108094.	2.5	18
75	In-house development of eco-friendly lubrication techniques (EMQL, Nanoparticles+EMQL and EL) for improving machining performance of 15â€™5 PHSS. <i>Tribology International</i> , 2020, 151, 106476.	3.0	55
76	Experimental investigation and sustainability assessment to evaluate environmentally clean machining of 15-5 PH stainless steel. <i>Journal of Manufacturing Processes</i> , 2020, 56, 1027-1038.	2.8	35
77	Fault Diagnosis of Rotating Machine. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1961.	1.3	5
78	Transient nonlinear heat transfer analysis using a generic grid refinement for structure parameter variations. <i>International Journal of Thermal Sciences</i> , 2020, 153, 106357.	2.6	5
79	Introduction to Special Issue on Symmetry in Mechanical Engineering. <i>Symmetry</i> , 2020, 12, 245.	1.1	0
80	Surface Characteristics of Machined Polystyrene with 3D Printed Thermoplastic Tool. <i>Materials</i> , 2020, 13, 2729.	1.3	64
81	Material ratio curve as information on the state of surface topographyâ€™A review. <i>Precision Engineering</i> , 2020, 65, 240-258.	1.8	73
82	Influence of the main cutting edge angle value on minimum uncut chip thickness during turning of C45 steel. <i>Journal of Manufacturing Processes</i> , 2020, 57, 354-362.	2.8	22
83	Measurement and analysis of wind energy potential using fuzzy based hybrid MADM approach. <i>Energy Reports</i> , 2020, 6, 228-237.	2.5	60
84	Solar medium-low temperature thermal utilization and effect analysis of boundary condition: A tutorial. <i>Solar Energy</i> , 2020, 197, 238-253.	2.9	15
85	Microwave sintering of porous Tiâ€™Nb-HA composite with high strength and enhanced bioactivity for implant applications. <i>Journal of Alloys and Compounds</i> , 2020, 824, 153774.	2.8	61
86	Measurement and evaluation of hole attributes for drilling CFRP composites using an indigenously developed cryogenic machining facility. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 154, 107504.	2.5	68
87	Microscopic characteristics of magnetorheological fluids subjected to magnetic fields. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 501, 166443.	1.0	40
88	Impact of Cryogenic Treatment on HCF and FCP Performance of Î²-Solution Treated Ti-6Al-4V ELI Biomaterial. <i>Materials</i> , 2020, 13, 500.	1.3	11
89	Advances in Hardâ€™toâ€™Cut Materials: Manufacturing, Properties, Process Mechanics and Evaluation of Surface Integrity. <i>Materials</i> , 2020, 13, 612.	1.3	12
90	A Novel Method of Laser Coating Process on Worn-Out Cutter Rings of Tunnel Boring Machine for Eco-Friendly Reuse. <i>Symmetry</i> , 2020, 12, 471.	1.1	12

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91	Influence of cryogenic treatment on mechanical performance of friction stir Al-Zn-Cu alloy weldments. <i>Journal of Manufacturing Processes</i> , 2020, 56, 43-53.	2.8	29
92	Machining parameter optimization in shear thickening polishing of gear surfaces. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5112-5126.	2.6	71
93	Evaluation of turning with different cooling-lubricating techniques in terms of surface integrity and tribologic properties. <i>Tribology International</i> , 2020, 148, 106334.	3.0	92
94	Artificial Intelligence-Based Hole Quality Prediction in Micro-Drilling Using Multiple Sensors. <i>Sensors</i> , 2020, 20, 885.	2.1	48
95	Solving Scheduling Problem in a Distributed Manufacturing System Using a Discrete Fruit Fly Optimization Algorithm. <i>Energies</i> , 2019, 12, 3260.	1.6	16
96	Mathematical modeling and multi-attribute rule mining for energy efficient job-shop scheduling. <i>Journal of Cleaner Production</i> , 2019, 241, 118289.	4.6	17
97	Optimization of Power Consumption Associated with Surface Roughness in Ultrasonic Assisted Turning of Nimonic-90 Using Hybrid Particle Swarm-Simplex Method. <i>Materials</i> , 2019, 12, 3418.	1.3	34
98	Prediction of cutting forces during micro end milling considering chip thickness accumulation. <i>International Journal of Machine Tools and Manufacture</i> , 2019, 147, 103466.	6.2	140
99	Investigation of machining characteristics of hard-to-machine Ti-6Al-4V-ELI alloy for biomedical applications. <i>Journal of Materials Research and Technology</i> , 2019, 8, 4849-4862.	2.6	76
100	Ecological trends in machining as a key factor in sustainable production – A review. <i>Journal of Cleaner Production</i> , 2019, 218, 601-615.	4.6	301
101	Dimensionless Analysis for Investigating the Quality Characteristics of Aluminium Matrix Composites Prepared through Fused Deposition Modelling Assisted Investment Casting. <i>Materials</i> , 2019, 12, 1907.	1.3	32
102	Designing and Testing Cold-Formed Rounded Connections Made on a Prototype Station. <i>Materials</i> , 2019, 12, 1061.	1.3	6
103	On the evaluation of certain strength characteristics and fracture features of iron-based sintered MMCs with nanooxide additives. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 756, 455-463.	2.6	13
104	Effect of the Relative Position of the Face Milling Tool towards the Workpiece on Machined Surface Roughness and Milling Dynamics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 842.	1.3	62
105	Influence of hydrostatic burnishing strategy on the surface topography of martensitic steel. Measurement: <i>Journal of the International Measurement Confederation</i> , 2019, 138, 590-601.	2.5	43
106	Intelligent Optimization of Hard-Turning Parameters Using Evolutionary Algorithms for Smart Manufacturing. <i>Materials</i> , 2019, 12, 879.	1.3	62
107	Effect of temperature on the transmission characteristics of high-torque magnetorheological brakes. <i>Smart Materials and Structures</i> , 2019, 28, 057002.	1.8	41
108	Surface Modification of Ti-6Al-4V Alloy by Electrical Discharge Coating Process Using Partially Sintered Ti-Nb Electrode. <i>Materials</i> , 2019, 12, 1006.	1.3	97

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109	Effect of Hybrid Machining Techniques on Machining Performance of In-House Developed Mg-PMMC. Transactions of the Indian Institute of Metals, 2019, 72, 1799-1807.	0.7	28
110	Obtaining Various Shapes of Machined Surface Using a Tool with a Multi-Insert Cutting Edge. Applied Sciences (Switzerland), 2019, 9, 880.	1.3	10
111	The Influence of EP/AW Addition in the MQL Method on the Parameters of Surface Geometrical Structure in the Process of Turning 316L Steel. Lecture Notes in Mechanical Engineering, 2019, , 341-350.	0.3	2
112	Analysis of the Deviation in a Low-Cost System for Stepless Digital Control of Conventional Lathe Spindle Speeds. Applied Sciences (Switzerland), 2019, 9, 12.	1.3	11
113	Multi-objective optimization and life cycle assessment of eco-friendly cryogenic N2 assisted turning of Ti-6Al-4V. Journal of Cleaner Production, 2019, 210, 121-133.	4.6	165
114	A novel empirical heat transfer model for a solar thermal storage process using phase change materials. Energy, 2019, 168, 222-234.	4.5	11
115	Effects of extreme pressure and anti-wear additives on surface topography and tool wear during MQCL turning of AISI 1045 steel. Journal of Mechanical Science and Technology, 2018, 32, 1585-1591.	0.7	75
116	Parametric and nonparametric description of the surface topography in the dry and MQCL cutting conditions. Measurement: Journal of the International Measurement Confederation, 2018, 121, 225-239.	2.5	131
117	Analysis of relation between the 3D printer laser beam power and the surface morphology properties in Ti-6Al-4V titanium alloy parts. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	36
118	An approach to cleaner production for machining hardened steel using different cooling-lubrication conditions. Journal of Cleaner Production, 2018, 187, 1069-1081.	4.6	202
119	The effect of active surface morphology of grinding wheel with zone-diversified structure on the form of chips in traverse internal cylindrical grinding of 100Cr6 steel. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 965-978.	1.5	10
120	Testing of Tight Crimped Joint Made on a Prototype Stand. Lecture Notes in Mechanical Engineering, 2018, , 497-507.	0.3	5
121	Investigation of Heat Distribution in Coated Indexable Tool Inserts. Lecture Notes in Mechanical Engineering, 2018, , 661-670.	0.3	6
122	Application of signal to noise ratio and grey relational analysis to minimize forces and vibrations during precise ball end milling. Precision Engineering, 2018, 51, 582-596.	1.8	118
123	Surface quality and topographic inspection of variable compliance part after precise turning. Applied Surface Science, 2018, 434, 91-101.	3.1	104
124	Evaluating Hole Quality in Drilling of Al 6061 Alloys. Materials, 2018, 11, 2443.	1.3	80
125	Synthesis, Characterization, Corrosion Resistance and In-Vitro Bioactivity Behavior of Biodegradable Mg-Zn-Mn (Si-HA) Composite for Orthopaedic Applications. Materials, 2018, 11, 1602.	1.3	73
126	Experimental and Numerical Assessment of Temperature Field and Analysis of Microstructure and Mechanical Properties of Low Power Laser Annealed Welded Joints. Materials, 2018, 11, 1514.	1.3	29

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127	Assessment of internal defects of hardfacing coatings in regeneration of machine parts. Journal of Central South University, 2018, 25, 1144-1153.	1.2	5
128	Analysis of 3D printing parameters of gears for hybrid manufacturing. AIP Conference Proceedings, 2018, , .	0.3	12
129	Study on metrological relations between instant tool displacements and surface roughness during precise ball end milling. Measurement: Journal of the International Measurement Confederation, 2018, 129, 686-694.	2.5	95
130	Experimental and mathematical evaluation of thermal and tensile properties of friction stir welded joint. International Journal of Materials and Product Technology, 2018, 57, 204.	0.1	8
131	Measurement and mathematical model of convexo-concave Novikov gear mesh. Measurement: Journal of the International Measurement Confederation, 2018, 125, 516-525.	2.5	11
132	Synergy effect of ultrafine tungsten, silicon carbides, and graphite microadditives on the Fe-based MMCs properties using the simplex lattice design. Journal of Alloys and Compounds, 2018, 757, 31-38.	2.8	12
133	Multifault Detection, Diagnosis, and Prognosis for Rotating Machinery. International Journal of Rotating Machinery, 2018, 2018, 1-1.	0.8	4
134	Testing of beveled crimp connections made on a prototype stand. Archives of Mechanical Technology and Materials, 2018, 38, 15-22.	0.3	3
135	Optimization and characterization of friction surfaced coatings of ferrous alloys. Materialpruefung/Materials Testing, 2018, 60, 707-718.	0.8	10
136	Improvement of surface integrity of Nimonic C 263 super alloy produced by WEDM through various post-processing techniques. International Journal of Advanced Manufacturing Technology, 2017, 93, 433-443.	1.5	51
137	Structural and Microhardness Changes After Turning of the AISI 1045 Steel for Minimum Quantity Cooling Lubrication. Journal of Materials Engineering and Performance, 2017, 26, 431-438.	1.2	77
138	Tool wear characterizations in finish turning of AISI 1045 carbon steel for MQCL conditions. Wear, 2017, 372-373, 54-67.	1.5	129
139	Surface texture formation in precision machining of direct laser deposited tungsten carbide. Advances in Manufacturing, 2017, 5, 251-260.	3.2	15
140	Optimisation of machining parameters during ball end milling of hardened steel with various surface inclinations. Measurement: Journal of the International Measurement Confederation, 2017, 111, 18-28.	2.5	76
141	The application of response surface method to optimization of precision ball end milling. MATEC Web of Conferences, 2017, 112, 01004.	0.1	3
142	Dry cutting effect in turning of a duplex stainless steel as a key factor in clean production. Journal of Cleaner Production, 2017, 142, 3343-3354.	4.6	122
143	Comparative assessment of the mechanical and electromagnetic surfaces of explosively clad Tiâ€™steel plates after drilling process. Precision Engineering, 2017, 47, 104-110.	1.8	61
144	Characterization of Friction Surfaced Coatings of AISI 316 Tool over High-Speed-Steel Substrate. Transactions of Famena, 2017, 41, 61-76.	0.3	29

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145	Testing of crimp connections made on a prototype stand. E3S Web of Conferences, 2017, 19, 03029.	0.2	3
146	The study on dynamic properties of monolithic ball end mills with various slenderness. E3S Web of Conferences, 2017, 19, 03014.	0.2	0
147	Measurement of thermal emission during cutting of materials using abrasive water jet. Thermal Science, 2017, 21, 2197-2203.	0.5	8
148	The Use of Focus-Variation Microscopy for the Assessment of Active Surfaces of a New Generation of Coated Abrasive Tools. Measurement Science Review, 2016, 16, 42-53.	0.6	60
149	The influence of the cooling conditions on the cutting tool wear and the chip formation mechanism. Journal of Manufacturing Processes, 2016, 24, 107-115.	2.8	130
150	Surface morphology analysis of Duplex Stainless Steel (DSS) in Clean Production using the Power Spectral Density. Measurement: Journal of the International Measurement Confederation, 2016, 94, 464-470.	2.5	98
151	Chip Formation Zone Analysis During the Turning of Austenitic Stainless Steel 316L under MQCL Cooling Condition. Procedia Engineering, 2016, 149, 297-304.	1.2	49
152	Investigation on the edge forces in ball end milling of inclined surfaces. International Journal of Mechanical Sciences, 2016, 119, 360-369.	3.6	78
153	Metrological changes in surface morphology of high-strength steels in manufacturing processes. Measurement: Journal of the International Measurement Confederation, 2016, 88, 176-185.	2.5	127
154	Precision surface characterization for finish cylindrical milling with dynamic tool displacements model. Precision Engineering, 2016, 46, 158-165.	1.8	72
155	Experimental studies of the cutting force and surface morphology of explosively clad TiÄ“ steel plates. Measurement: Journal of the International Measurement Confederation, 2016, 78, 129-137.	2.5	68
156	Copper alloys disintegration using pulsating water jet. Measurement: Journal of the International Measurement Confederation, 2016, 82, 375-383.	2.5	75
157	Dynamic Programming Approach in the Optimization of Tool Life in Turning Process of Duplex Stainless Steel DSS. Key Engineering Materials, 2016, 686, 143-148.	0.4	2
158	A study on droplets sizes, their distribution and heat exchange for minimum quantity cooling lubrication (MQCL). International Journal of Machine Tools and Manufacture, 2016, 100, 81-92.	6.2	197
159	Analysis of Contact Phenomena and Heat Exchange in the Cutting Zone Under Minimum Quantity Cooling Lubrication conditions. Arabian Journal for Science and Engineering, 2016, 41, 661-668.	1.1	63
160	Wear characteristics and defects analysis of friction stir welded joint of aluminium alloy 6061-T6. Eksploatacja I Niezawodnosc, 2016, 18, 128-135.	1.1	37
161	The influence of cooling method on cutting power during turning of 316L austenitic steel. , 2016, , 1184-1185.	0.2	0
162	Stereometric characteristics of condition of active surface of the abrasive discs with Trizactâ„¢ grains after the grinding process of steel NC6 by the use of focus-variation microscopy. , 2016, , 1102-1103.	0.2	1

#	ARTICLE	IF	CITATIONS
163	Effect of EP/AW additive under MQCL cooling conditions on the surface morphology of 316L stainless steel. , 2016, , 1186-1187.	0.2	0
164	Influence of the cooling conditions on the cutting force in turning of C45 steel. , 2016, , 1512-1513.	0.2	0
165	Verification and optimization of control programs for CNC milling machines with the use of Production Module 3D FEM software. , 2016, , 1458-1459.	0.2	2
166	An influence of active additives on the formation of selected indicators of the condition of the X10CrNi18-8 stainless steel surface layer in MQCL conditions. International Journal of Surface Science and Engineering, 2015, 9, 452.	0.4	51
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