Danil Yurievich Pimenov

List of Publications by Year
in descending order

204	6,804	57758	98798
papers	citations	44 h-index	67 g-index

206	206	206	2646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial intelligence systems for tool condition monitoring in machining: analysis and critical review. Journal of Intelligent Manufacturing, 2023, 34, 2079-2121.	7.3	90
2	Improving the accuracy of machine-learning models with data from machine test repetitions. Journal of Intelligent Manufacturing, 2022, 33, 203-221.	7.3	40
3	Synthesis and characterization of mechanically alloyed nanostructured ternary titanium based alloy for bio-medical applications. Journal of Materials Research and Technology, 2022, 16, 88-101.	5.8	20
4	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.	5.8	29
5	Tool wear, surface roughness, cutting temperature and chips morphology evaluation of Al/TiN coated carbide cutting tools in milling of Cuâ€“Bâ€“CrC based ceramic matrix composites. Journal of Materials Research and Technology, 2022, 16, 1243-1259.	5.8	55
6	A Soft Computing-Based Analysis of Cutting Rate and Recast Layer Thickness for AZ31 Alloy on WEDM Using RSM-MOPSO. Materials, 2022, 15, 635.	2.9	19
7	Hand and Abrasive Flow Polished Tungsten Carbide Die: Optimization of Surface Roughness, Polishing Time and Comparative Analysis in Wire Drawing. Materials, 2022, 15, 1287.	2.9	12
8	In Situ Micro-Observation of Surface Roughness and Fracture Mechanism in Metal Microforming of Thin Copper Sheets with Newly Developed Compact Testing Apparatus. Materials, 2022, 15, 1368.	2.9	20
9	Enhancement of micro milling performance by abrasion-resistant coated tools with optimized thin-film thickness: analytical and experimental characterization. International Journal of Advanced Manufacturing Technology, 2022, 120, 2993-3015.	3.0	11
10	A Comparative Study to Predict Bearing Degradation Using Discrete Wavelet Transform (DWT), Tabular Generative Adversarial Networks (TGAN) and Machine Learning Models. Machines, 2022, 10, 176.	2.2	27
11	Development of an Oxide Layer on Al 6061 Using Plasma Arc Electrolytic Oxidation in Silicate-Based Electrolyte. Materials, 2022, 15, 1616.	2.9	2
12	Multi-Response Optimization of Al2O3 Nanopowder-Mixed Wire Electrical Discharge Machining Process Parameters of Nitinol Shape Memory Alloy. Materials, 2022, 15, 2018.	2.9	21
13	Estimation, optimization and analysis based investigation of the energy consumption in machinability of ceramic-based metal matrix composite materials. Journal of Materials Research and Technology, 2022, 17, 2987-2998.	5.8	31
14	Performance of MQL and Nano-MQL Lubrication in Machining ER7 Steel for Train Wheel Applications. Lubricants, 2022, 10, 48.	2.9	32
15	Deployment of Interpretive Structural Modeling in Barriers to Industry 4.0: A Case of Small and Medium Enterprises. Journal of Risk and Financial Management, 2022, 15, 171.	2.3	9
16	Evaluation of the Mechanical Properties and Drilling of Glass Bead/Fiber-Reinforced Polyamide 66 (PA66)-Based Hybrid Polymer Composites. Materials, 2022, 15, 2765.	2.9	12
17	Investigation of the Effects of Cooling and Lubricating Strategies on Tribological Characteristics in Machining of Hybrid Composites. Lubricants, 2022, 10, 63.	2.9	35
18	Effect of mixing method and particle size on hardness and compressive strength of aluminium based metal matrix composite prepared through powder metallurgy route. Journal of Materials Research and Technology, 2022, 18, 282-292.	5.8	46

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19	Experimental investigations and prediction of WEDMed surface of nitinol SMA using SinGAN andÂDenseNet deep learning model. Journal of Materials Research and Technology, 2022, 18, 325-337.	5.8	26
20	Investigation of machinability of Tiâ€“B-SiCp reinforced Cu hybrid composites in dry turning. Journal of Materials Research and Technology, 2022, 18, 1474-1487.	5.8	12
21	Experimental investigation on the effect of dry and multi-jet cryogenic cooling on the machinability and hole accuracy of CFRP composites. Journal of Materials Research and Technology, 2022, 18, 1772-1783.	5.8	17
22	Effect of Fibre Orientation on Impact Damage Resistance of S2/FM94 Glass Fibre Composites for Aerospace Applications: An Experimental Evaluation and Numerical Validation. Polymers, 2022, 14, 95.	4.5	13
23	Mechanistic modeling of cutting forces in high-speed microturning of titanium alloy with consideration of nose radius. International Journal of Advanced Manufacturing Technology, 2022, 119, 2393-2408.	3.0	4
24	Tribological and surface morphological characteristics of titanium alloys: a review. Archives of Civil and Mechanical Engineering, 2022, 22, 1.	3.8	25
25	Coaxiality error analysis and optimization of cylindrical parts of CNC turning process. International Journal of Advanced Manufacturing Technology, 2022, 120, 6617-6634.	3.0	7
26	One Factor at a Time Analysis to Modify Potting Technique for Manufacturing of Bubble-Free High-Voltage Polyester Insulated Automotive Coils. Designs, 2022, 6, 44.	2.4	2
27	Prediction of Surface Roughness Using Machine Learning Approach in MQL Turning of AISI 304 Steel by Varying Nanoparticle Size in the Cutting Fluid. Lubricants, 2022, 10, 81.	2.9	28
28	Indirect monitoring of machining characteristics via advanced sensor systems: a critical review. International Journal of Advanced Manufacturing Technology, 2022, 120, 7043-7078.	3.0	30
29	Tool wear prediction in face milling of stainless steel using singular generative adversarial network and LSTM deep learning models. International Journal of Advanced Manufacturing Technology, 2022, 121, 723-736.	3.0	39
30	Machining parameter optimization and experimental investigations of nano-graphene mixed electrical discharge machining of nitinol shape memory alloy. Journal of Materials Research and Technology, 2022, 19, 653-668.	5.8	41
31	Optimization of Bead Morphology for GMAW-Based Wire-Arc Additive Manufacturing of 2.25 Cr-1.0 Mo Steel Using Metal-Cored Wires. Applied Sciences (Switzerland), 2022, 12, 5060.	2.5	20
32	Evaluation of Mechanical and Tribological Aspect of Self-Lubricating Cu-6Gr Composites Reinforced with SiCâ€“WC Hybrid Particles. Nanomaterials, 2022, 12, 2154.	4.1	12
33	Recent Advances in Bipedal Walking Robots: Review of Gait, Drive, Sensors and Control Systems. Sensors, 2022, 22, 4440.	3.8	30
34	Application of measurement systems in tool condition monitoring of Milling: A review of measurement science approach. Measurement: Journal of the International Measurement Confederation, 2022, 199, 111503.	5.0	44
35	Assessment of Hole Quality, Thermal Analysis, and Chip Formation during Dry Drilling Process of Gray Cast Iron ASTM A48. Eng, 2022, 3, 301-310.	2.4	1
36	Experimental Investigation of Effect of Fiber Length on Mechanical, Wear, and Morphological Behavior of Silane-Treated Pineapple Leaf Fiber Reinforced Polymer Composites. Fibers, 2022, 10, 56.	4.0	32

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37	Parametric Optimization and Influence of Near-Dry WEDM Variables on Nitinol Shape Memory Alloy. Micromachines, 2022, 13, 1026.	2.9	12
38	Resource saving by optimization and machining environments for sustainable manufacturing: A review and future prospects. Renewable and Sustainable Energy Reviews, 2022, 166, 112660.	16.4	68
39	Environment and economic burden of sustainable cooling/lubrication methods in machining of Inconel-800. Journal of Cleaner Production, 2021, 287, 125074.	9.3	77
40	Sustainable milling of Tiâ€“6Alâ€“4V: A trade-off between energy efficiency, carbon emissions and machining characteristics under MQL and cryogenic environment. Journal of Cleaner Production, 2021, 281, 125374.	9.3	95
41	Machine-learning for automatic prediction of flatness deviation considering the wear of the face mill teeth. Journal of Intelligent Manufacturing, 2021, 32, 895-912.	7.3	58
42	Effect of Tool Coating and Cutting Parameters on Surface Roughness and Burr Formation during Micromilling of Inconel 718. Metals, 2021, 11, 167.	2.3	26
43	Subtractive Manufacturing of Different Composites. Springer Series in Advanced Manufacturing, 2021, , 137-165.	0.5	0
44	Performance Assessment of Minimum Quantity Castor-Palm Oil Mixtures in Hard-Milling Operation. Materials, 2021, 14, 198.	2.9	31
45	Development and Testing of a High-Frequency Dynamometer for High-Speed Milling Process. Machines, 2021, 9, 11.	2.2	9
46	Between-the-Holes Cryogenic Cooling of the Tool in Hole-Making of Ti-6Al-4V and CFRP. Materials, 2021, 14, 795.	2.9	31
47	Operational Wear Resistance of a Grinding Belt. Russian Engineering Research, 2021, 41, 157-161.	0.6	5
48	An Ultrasonic-Based Detection of Air-Leakage for the Unclosed Components of Aircraft. Aerospace, 2021, 8, 55.	2.2	3
49	Extrusion-Based 3D Printing of Ceramic Pastes: Mathematical Modeling and In Situ Shaping Retention Approach. Materials, 2021, 14, 1137.	2.9	17
50	Cooling techniques to improve the machinability and sustainability of light-weight alloys: A state-of-the-art review. Journal of Manufacturing Processes, 2021, 62, 179-201.	5.9	98
51	Effect of Seawater Ageing on Fracture Toughness of Stitched Glass Fiber/Epoxy Laminates for Marine Applications. Journal of Marine Science and Engineering, 2021, 9, 196.	2.6	13
52	Effect of Cryogenic Grinding on Fatigue Life of Additively Manufactured Maraging Steel. Materials, 2021, 14, 1245.	2.9	16
53	Investigations on quality characteristics in gas tungsten arc welding process using artificial neural network integrated with genetic algorithm. International Journal of Advanced Manufacturing Technology, 2021, 113, 3569-3583.	3.0	39
54	Experimental Analysis and Optimization of EDM Parameters on HcHcr Steel in Context with Different Electrodes and Dielectric Fluids Using Hybrid Taguchi-Based PCA-Utility and CRITIC-Utility Approaches. Metals, 2021, 11, 419.	2.3	70

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55	Improvement of machinability of Ti and its alloys using cooling-lubrication techniques: a review and future prospect. Journal of Materials Research and Technology, 2021, 11, 719-753.	5.8	154
56	Establishing the Relationship between Cutting Speed and Output Parameters in Belt Grinding on Steels, Aluminum and Nickel Alloys: Development of Recommendations. Materials, 2021, 14, 1974.	2.9	5
57	The effects of through tool cryogenic machining on the hole quality in GLAREÂ® fibre metal laminates. Journal of Manufacturing Processes, 2021, 64, 996-1012.	5.9	29
58	Hybrid Model for Calculating Quality Costs. Russian Engineering Research, 2021, 41, 382-386.	0.6	4
59	Evaluation of Cutting-Tool Coating on the Surface Roughness and Hole Dimensional Tolerances during Drilling of Al6061-T651 Alloy. Materials, 2021, 14, 1783.	2.9	41
60	Value Stream Maps in Clock Production. Russian Engineering Research, 2021, 41, 378-381.	0.6	5
61	Parametric Optimization for Cutting Forces and Material Removal Rate in the Turning of AISI 5140. Machines, 2021, 9, 90.	2.2	25
62	The Effect of Zn and Znâ€“WO3 Composites Nano-Coatings Deposition on Hardness and Corrosion Resistance in Steel Substrate. Materials, 2021, 14, 2253.	2.9	15
63	Parametric Optimization for Improving the Machining Process of Cu/Mo-SiCP Composites Produced by Powder Metallurgy. Materials, 2021, 14, 1921.	2.9	40
64	Rice straw burning: a review on its global prevalence and the sustainable alternatives for its effective mitigation. Environmental Science and Pollution Research, 2021, 28, 32125-32155.	5.3	71
65	Effect of Cutting Parameters and Tool Geometry on the Performance Analysis of One-Shot Drilling Process of AA2024-T3. Metals, 2021, 11, 854.	2.3	18
66	Investigation on mechanical, tribological and microstructural properties of Alâ€“Mgâ€“Siâ€“T6/SiC/muscovite-hybrid metal-matrix composites for high strength applications. Journal of Materials Research and Technology, 2021, 12, 1564-1581.	5.8	84
67	The effect of cryogenic machining of S2 glass fibre composite on the hole form and dimensional tolerances. International Journal of Advanced Manufacturing Technology, 2021, 115, 125-140.	3.0	28
68	Analysis of Hole Quality and Chips Formation in the Dry Drilling Process of Al7075-T6. Metals, 2021, 11, 891.	2.3	19
69	Measurement of Micro Burr and Slot Widths through Image Processing: Comparison of Manual and Automated Measurements in Micro-Milling. Sensors, 2021, 21, 4432.	3.8	25
70	Electrodeposition Based Preparation of Znâ€“Ni Alloy and Znâ€“Niâ€“WC Nano-Composite Coatings for Corrosion-Resistant Applications. Coatings, 2021, 11, 712.	2.6	26
71	Optimization Study on Surface Roughness and Tribological Behavior of Recycled Cast Iron Reinforced Bronze MMCs Produced by Hot Pressing. Materials, 2021, 14, 3364.	2.9	13
72	Optimization of Activated Tungsten Inert Gas Welding Process Parameters Using Heat Transfer Search Algorithm: With Experimental Validation Using Case Studies. Metals, 2021, 11, 981.	2.3	29

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73	Prediction of Transient Temperature Distributions for Laser Welding of Dissimilar Metals. Applied Sciences (Switzerland), 2021, 11, 5829.	2.5	11
74	Surface Roughness Evaluation in Thin EN AW-6086-T6 Alloy Plates after Face Milling Process with Different Strategies. Materials, 2021, 14, 3036.	2.9	18
75	A state-of-the-art review on sensors and signal processing systems in mechanical machining processes. International Journal of Advanced Manufacturing Technology, 2021, 116, 2711-2735.	3.0	56
76	Optimization of Process Control Parameters for WEDM of Al-LM25/Fly Ash/B4C Hybrid Composites Using Evolutionary Algorithms: A Comparative Study. Metals, 2021, 11, 1105.	2.3	21
77	Tribological Aspects, Optimization and Analysis of Cu-B-CrC Composites Fabricated by Powder Metallurgy. Materials, 2021, 14, 4217.	2.9	41
78	Cubic Lattice Structures of Ti6Al4V under Compressive Loading: Towards Assessing the Performance for Hard Tissue Implants Alternative. Materials, 2021, 14, 3866.	2.9	14
79	Corrosion Behaviour of High-Strength Al 7005 Alloy and Its Composites Reinforced with Industrial Waste-Based Fly Ash and Glass Fibre: Comparison of Stir Cast and Extrusion Conditions. Materials, 2021, 14, 3929.	2.9	26
80	Effects of calcium-treatment of a plastic injection mold steel on the tool wear and power consumption in slot milling. Journal of Materials Research and Technology, 2021, 13, 1103-1114.	5.8	9
81	Tribological performance based machinability investigations in cryogenic cooling assisted turning of Î±-Î² titanium Alloy. Tribology International, 2021, 160, 107032.	5.9	49
82	Assessment of the Technological Quality of X5CRNI18-10 Steel Parts after Laser and Abrasive Water Jet Cutting Using Synthetic Index of Technological Quality. Materials, 2021, 14, 4801.	2.9	11
83	Microstructure, Mechanical, and Corrosion Behavior of Al2O3 Reinforced Mg2Zn Matrix Magnesium Composites. Materials, 2021, 14, 4819.	2.9	19
84	A review on conventional and advanced minimum quantity lubrication approaches on performance measures of grinding process. International Journal of Advanced Manufacturing Technology, 2021, 117, 729-750.	3.0	55
85	Prioritizing Energy-Intensive Machining Operations and Gauging the Influence of Electric Parameters: An Industrial Case Study. Energies, 2021, 14, 4761.	3.1	39
86	Managing Risks in the Improved Model of Rolling Mill Loading: A Case Study. Journal of Risk and Financial Management, 2021, 14, 359.	2.3	3
87	Review on design and development of cryogenic machining setups for heat resistant alloys and composites. Journal of Manufacturing Processes, 2021, 68, 398-422.	5.9	119
88	Relationship between Pressure and Output Parameters in Belt Grinding of Steels and Nickel Alloy. Materials, 2021, 14, 4704.	2.9	4
89	Experimental investigation of selective laser melting parameters for higher surface quality and microhardness properties: taguchi and super ranking concept approaches. Journal of Materials Research and Technology, 2021, 14, 2586-2600.	5.8	22
90	Towards Analysis and Optimization for Contact Zone Temperature Changes and Specific Wear Rate of Metal Matrix Composite Materials Produced from Recycled Waste. Materials, 2021, 14, 5145.	2.9	11

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91	Microstructure and machinability evaluation in micro milling of selective laser melted Inconel 718 alloy. Journal of Materials Research and Technology, 2021, 14, 348-362.	5.8	52
92	Experimental Investigations and Pareto Optimization of Fiber Laser Cutting Process of Ti6Al4V. Metals, 2021, 11, 1461.	2.3	28
93	Effect of ball-milling process parameters on mechanical properties of Al/Al2O3/collagen powder composite using statistical approach. Journal of Materials Research and Technology, 2021, 15, 2918-2932.	5.8	34
94	Image Processing of Mg-Al-Sn Alloy Microstructures for Determining Phase Ratios and Grain Size and Correction with Manual Measurement. Materials, 2021, 14, 5095.	2.9	19
95	Experimental investigations and optimization of MWCNTs-mixed WEDM process parameters of nitinol shape memory alloy. Journal of Materials Research and Technology, 2021, 15, 2152-2169.	5.8	46
96	Experimental investigation on welding of 2.25 Cr-1.0 Mo steel with regulated metal deposition and GMAW technique incorporating metal-cored wires. Journal of Materials Research and Technology, 2021, 15, 1007-1016.	5.8	14
97	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.	4.5	111
98	Experimental investigation and optimization of compression moulding parameters for MWCNT/glass/kevlar/epoxy composites on mechanical and tribological properties. Journal of Materials Research and Technology, 2021, 15, 327-341.	5.8	32
99	Analysis of Sensitization in Austenitic Stainless Steel-Welded Joint. Lecture Notes in Mechanical Engineering, 2021, , 13-23.	0.4	40
100	Comprehensive Study on Tool Wear During Machining of Fiber-Reinforced Polymeric Composites. Composites Science and Technology, 2021, , 129-147.	0.6	4
101	Effectiveness Improvement in Manufacturing Industry; Trilogy Study and Open Innovation Dynamics. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 7.	5.2	14
102	Application of Type-2 Fuzzy AHP-ARAS for Selecting Optimal WEDM Parameters. Metals, 2021, 11, 42.	2.3	35
103	A Review of Indirect Tool Condition Monitoring Systems and Decision-Making Methods in Turning: Critical Analysis and Trends. Sensors, 2021, 21, 108.	3.8	148
104	Numerical Investigation of Microchannel Heat Sink with Trefoil Shape Ribs. Energies, 2021, 14, 6764.	3.1	13
105	Elucidating the Effect of Step Cooling Heat Treatment on the Properties of 2.25 Crâ€“1.0 Mo Steel Welded with a Combination of GMAW Techniques Incorporating Metal-Cored Wires. Materials, 2021, 14, 6033.	2.9	7
106	The Effects of MQL and Dry Environments on Tool Wear, Cutting Temperature, and Power Consumption during End Milling of AISI 1040 Steel. Metals, 2021, 11, 1674.	2.3	58
107	Prediction of Tool Shape in Electrical Discharge Machining of EN31 Steel Using Machine Learning Techniques. Metals, 2021, 11, 1668.	2.3	16
108	An Innovative Agile Model of Smart Leanâ€“Green Approach for Sustainability Enhancement in Industry 4.0. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 215.	5.2	37

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109	Modelling and Analysis of Surface Evolution on Turning of Hard-to-Cut CLARM 30NiCrMoV14 Steel Alloy. Metals, 2021, 11, 1751.	2.3	9
110	Optimization and Modeling of Material Removal Rate in Wire-EDM of Silicon Particle Reinforced Al6061 Composite. Materials, 2021, 14, 6420.	2.9	18
111	An Agile System to Enhance Productivity through a Modified Value Stream Mapping Approach in Industry 4.0: A Novel Approach. Sustainability, 2021, 13, 11997.	3.2	24
112	Skull Thickness Calculation Using Thermal Analysis and Finite Elements. Applied Sciences (Switzerland), 2021, 11, 10483.	2.5	8
113	Study of a Multicriterion Decision-Making Approach to the MQL Turning of AISI 304 Steel Using Hybrid Nanocutting Fluid. Materials, 2021, 14, 7207.	2.9	30
114	Investigation on microstructure, mechanical, and tribological performance of Cu base hybrid composite materials. Journal of Materials Research and Technology, 2021, 15, 6990-7003.	5.8	39
115	Corrosion Resistance and Surface Bioactivity of Ti6Al4V Alloy after Finish Turning under Ecological Cutting Conditions. Materials, 2021, 14, 6917.	2.9	11
116	Analysis and Optimization of Dimensional Accuracy and Porosity of High Impact Polystyrene Material Printed by FDM Process: PSO, JAYA, Rao, and Bald Eagle Search Algorithms. Materials, 2021, 14, 7479.	2.9	9
117	Methodology for Evaluating the Cutting Force of Planar Technical Blades Used in Flatfish Processing. Micromachines, 2021, 12, 1516.	2.9	4
118	Integration of Fuzzy AHP and Fuzzy TOPSIS Methods for Wire Electric Discharge Machining of Titanium (Ti6Al4V) Alloy Using RSM. Materials, 2021, 14, 7408.	2.9	35
119	Product Quality Planning in Laser Metal Processing Based on Open Innovation Using Quality Function Deployment. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 240.	5.2	3
120	Influences of TiAlN coating and limiting angles of flutes on prediction of cutting forces and dynamic stability in micro milling of die steel (P-20). Journal of Materials Processing Technology, 2020, 278, 116500.	6.3	47
121	Machining characteristics based life cycle assessment in eco-benign turning of pure titanium alloy. Journal of Cleaner Production, 2020, 251, 119598.	9.3	69
122	Mechanical Strength Enhancement of 3D Printed Acrylonitrile Butadiene Styrene Polymer Components Using Neural Network Optimization Algorithm. Polymers, 2020, 12, 2250.	4.5	79
123	Sustainable Manufacturing and Parametric Analysis of Mild Steel Grade 60 by Deploying CNC Milling Machine and Taguchi Method. Metals, 2020, 10, 1303.	2.3	13
124	Modeling of Cutting Parameters and Tool Geometry for Multi-Criteria Optimization of Surface Roughness and Vibration via Response Surface Methodology in Turning of AISI 5140 Steel. Materials, 2020, 13, 4242.	2.9	80
125	Comparative study on the mechanical, tribological, morphological and structural properties of vortex casting processed, Alâ€“SiCâ€“Cr hybrid metal matrix composites for high strength wear-resistant applications: Fabrication and characterizations. Journal of Materials Research and Technology, 2020, 9, 13607-13615.	5.8	80
126	Energy-Based Novel Quantifiable Sustainability Value Assessment Method for Machining Processes. Energies, 2020, 13, 6144.	3.1	8

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127	High-Accuracy 3D Optical Profilometry for Analysis of Surface Condition of Modern Circulated Coins. Materials, 2020, 13, 5371.	2.9	8
128	Microstructure and Properties of Heat Affected Zone in High-Carbon Steel after Welding with Fast Cooling in Water. Materials, 2020, 13, 5059.	2.9	16
129	Taguchi S/N and TOPSIS Based Optimization of Fused Deposition Modelling and Vapor Finishing Process for Manufacturing of ABS Plastic Parts. Materials, 2020, 13, 5176.	2.9	69
130	Empirical Investigations during WEDM of Ni-27Cu-3.15Al-2Fe-1.5Mn Based Superalloy for High Temperature Corrosion Resistance Applications. Materials, 2020, 13, 3470.	2.9	54
131	Machine Learning Modelling and Feature Engineering in Seismology Experiment. Sensors, 2020, 20, 4228.	3.8	8
132	Characterization of Magnetoelectropolished Stainless Steel Surfacesâ€™ Texture by Using the Angle-Resolved Scattering and Image Processing Analysis Methods. Metals, 2020, 10, 1098.	2.3	5
133	A Study on the Machinability of Steels and Alloys to Develop Recommendations for Setting Tool Performance Characteristics and Belt Grinding Modes. Materials, 2020, 13, 3978.	2.9	8
134	Optimization and Analysis of Surface Roughness, Flank Wear and 5 Different Sensorial Data via Tool Condition Monitoring System in Turning of AISI 5140. Sensors, 2020, 20, 4377.	3.8	78
135	Sustainability Assessment, Investigations, and Modelling of Slot Milling Characteristics in Eco-Benign Machining of Hardened Steel. Metals, 2020, 10, 1650.	2.3	22
136	The Role of Observationâ€“Measurement Methods in the Surface Characterization of X39Cr13 Stainless-Steel Cutting Blades Used in the Fish Processing Industry. Materials, 2020, 13, 5796.	2.9	4
137	Dimensional Analysis of Workpieces Machined Using Prototype Machine Tool Integrating 3D Scanning, Milling and Shaped Grinding. Materials, 2020, 13, 5663.	2.9	3
138	Development of a Risk Management Technique in Strategic Planning of Universities. Case study of a Polytechnical Institute. Procedia Manufacturing, 2020, 46, 256-262.	1.9	7
139	Unconventional Drive System of a 3D Printed Wheeled Mobile Robot. Procedia Manufacturing, 2020, 46, 509-516.	1.9	6
140	Technological Support of Abrasive Manufacturing of Products on a Flexible Basis by Evaluating Performance Indicators. Procedia Manufacturing, 2020, 46, 38-43.	1.9	7
141	Influence of the main cutting edge angle value on minimum uncut chip thickness during turning of C45 steel. Journal of Manufacturing Processes, 2020, 57, 354-362.	5.9	22
142	Internal Cylindrical Grinding Process of INCONELÂ® Alloy 600 Using Grinding Wheels with Solâ€“Gel Alumina and a Synthetic Organosilicon Polymer-Based Impregnate. Micromachines, 2020, 11, 115.	2.9	8
143	Investigations of surface quality and energy consumption associated with costs and material removal rate during face milling of AISI 1045 steel. International Journal of Advanced Manufacturing Technology, 2020, 107, 3511-3525.	3.0	58
144	Automation of Production Activities of an Industrial Enterprise based on the ERP System. Procedia Manufacturing, 2020, 46, 525-532.	1.9	13

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145	Influence of Variable Radius of Cutting Head Trajectory on Quality of Cutting Kerf in the Abrasive Water Jet Process for Sodaâ€“Lime Glass. Materials, 2020, 13, 4277.	2.9	28
146	Artificial Intelligence-Based Hole Quality Prediction in Micro-Drilling Using Multiple Sensors. Sensors, 2020, 20, 885.	3.8	48
147	Optimization of cutting conditions using artificial neural networks and the Edgeworth-Pareto method for CNC face-milling operations on high-strength grade-H steel. International Journal of Advanced Manufacturing Technology, 2019, 105, 2151-2165.	3.0	46
148	Sustainability assessment associated with surface roughness and power consumption characteristics in nanofluid MQL-assisted turning of AISI 1045 steel. International Journal of Advanced Manufacturing Technology, 2019, 105, 1311-1327.	3.0	117
149	Information Safety Process Development According to ISĐž 27001 for an Industrial Enterprise. Procedia Manufacturing, 2019, 32, 278-285.	1.9	20
150	Wear of a Flexible Abrasive Tool. Journal of Friction and Wear, 2019, 40, 139-145.	0.5	13
151	Effect of Feed Rate in FSW on the Mechanical and Microstructural Properties of AA5754 Joints. Advances in Materials Science and Engineering, 2019, 2019, 1-12.	1.8	36
152	A regression-tree multilayer-perceptron hybrid strategy for the prediction of ore crushing-plate lifetimes. Journal of Advanced Research, 2019, 18, 173-184.	9.5	26
153	Experimental Studies on MoS2-Treated Grinding Wheel Active Surface Condition after High-Efficiency Internal Cylindrical Grinding Process of INCONELÂ® Alloy 718. Micromachines, 2019, 10, 255.	2.9	17
154	Effect of the Relative Position of the Face Milling Tool towards the Workpiece on Machined Surface Roughness and Milling Dynamics. Applied Sciences (Switzerland), 2019, 9, 842.	2.5	62
155	Parametric optimization and process capability analysis for machining of nickel-based superalloy. International Journal of Advanced Manufacturing Technology, 2019, 102, 3995-4009.	3.0	98
156	Surface Modification of Ti-6Al-4V Alloy by Electrical Discharge Coating Process Using Partially Sintered Ti-Nb Electrode. Materials, 2019, 12, 1006.	2.9	97
157	Investigations of Machining Characteristics in the Upgraded MQL-Assisted Turning of Pure Titanium Alloys Using Evolutionary Algorithms. Materials, 2019, 12, 999.	2.9	128
158	Obtaining Various Shapes of Machined Surface Using a Tool with a Multi-Insert Cutting Edge. Applied Sciences (Switzerland), 2019, 9, 880.	2.5	10
159	Effect of tensile strain rate on high-temperature deformation and fracture of rolled Al-15â€¯vol% B4C composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 749, 129-136.	5.6	21
160	Assessment of friction pair elements condition based on changes in the geometric surface structure isotropicity degree. MATEC Web of Conferences, 2019, 302, 01015.	0.2	4
161	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.	0.4	2
162	Analysis of the Deviation in a Low-Cost System for Stepless Digital Control of Conventional Lathe Spindle Speeds. Applied Sciences (Switzerland), 2019, 9, 12.	2.5	11

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163	Influence of Different Grades of CBN Inserts on Cutting Force and Surface Roughness of AISI H13 Die Tool Steel during Hard Turning Operation. Materials, 2019, 12, 177.	2.9	68
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