

Jaykumar Vora

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Fabrication of rutile " TiO ₂ nanowire on shape memory alloy: A potential material for energy storage application. <i>Materials Today: Proceedings</i> , 2022, 50, 11-16.	0.9	17
2	Experimental investigation on microstructure and mechanical properties of joining stainless steel 316LN to Low Activation Ferritic Martensitic steel (LAFM) using activated flux TIG welding. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 3749-3763.	0.8	2
3	Multi-response Optimization of Alumina Powder-Mixed WEDM Process Using Taguchi-TOPSIS Approach of Nitinol SMA. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2022, , 359-367.	0.3	2
4	A Review on Key Technologies of Industry 4.0 in Manufacturing Sectors. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2022, , 417-426.	0.3	2
5	Investigation of Thermophysical Properties of Synthesized N-Hexacosane-Encapsulated Titania Phase Change Material for Enhanced Thermal Storage Application. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2022, , 107-118.	0.3	4
6	A Review on Machining Aspects of Shape Memory Alloys. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2022, , 449-458.	0.3	4
7	Multi-response Optimization and Effect of Alumina Mixed with Dielectric Fluid on WEDM Process of Ti6Al4V. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2022, , 277-287.	0.3	5
8	Effect of Different Tool Electrodes (Wire) of WEDM Process of Inconel 718. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2022, , 317-327.	0.3	3
9	A Comparative Study to Predict Bearing Degradation Using Discrete Wavelet Transform (DWT), Tabular Generative Adversarial Networks (TGAN) and Machine Learning Models. <i>Machines</i> , 2022, 10, 176.	1.2	27
10	Fabrication of graphene/Titania nanograss composite on shape memory alloy as photoanodes for photoelectrochemical studies: Role of the graphene. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41698-41710.	3.8	6
11	Multi-Response Optimization of Al ₂ O ₃ Nanopowder-Mixed Wire Electrical Discharge Machining Process Parameters of Nitinol Shape Memory Alloy. <i>Materials</i> , 2022, 15, 2018.	1.3	21
12	Areas of recent developments for shape memory alloy: A review. <i>Materials Today: Proceedings</i> , 2022, 62, 7194-7198.	0.9	15
13	Experimental study on application of gas metal arc welding based regulated metal deposition technique for low alloy steel. <i>Materials and Manufacturing Processes</i> , 2022, 37, 1727-1745.	2.7	21
14	Experimental investigations and prediction of WEDMed surface of nitinol SMA using SinGAN and DenseNet deep learning model. <i>Journal of Materials Research and Technology</i> , 2022, 18, 325-337.	2.6	26
15	Tool wear prediction in face milling of stainless steel using singular generative adversarial network and LSTM deep learning models. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 121, 723-736.	1.5	39
16	Machining parameter optimization and experimental investigations of nano-graphene mixed electrical discharge machining of nitinol shape memory alloy. <i>Journal of Materials Research and Technology</i> , 2022, 19, 653-668.	2.6	41
17	Optimization of Bead Morphology for GMAW-Based Wire-Arc Additive Manufacturing of 2.25 Cr-1.0 Mo Steel Using Metal-Cored Wires. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5060.	1.3	20
18	Parametric Optimization and Influence of Near-Dry WEDM Variables on Nitinol Shape Memory Alloy. <i>Micromachines</i> , 2022, 13, 1026.	1.4	12

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19	Multi-objective Optimization of Inconel 718 Using Combined Approach of Taguchi's Grey Relational Analysis. Lecture Notes in Mechanical Engineering, 2021, , 229-235.	0.3	9
20	Bridging the gap between student instruction and advanced research: Educational software tool for manufacturing learning. Computer Applications in Engineering Education, 2021, 29, 274-286.	2.2	3
21	Turning of Austempered Ductile Iron with ceramic tools. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 484-493.	1.5	19
22	Review on the use of activated flux in arc and beam welding processes. Materials Today: Proceedings, 2021, 43, 916-920.	0.9	5
23	Unravelling camphor mediated synthesis of TiO ₂ nanorods over shape memory alloy for efficient energy harvesting. Applied Surface Science, 2021, 541, 148489.	3.1	25
24	Surface roughness prediction with new barrel-shape mills considering runout: Modelling and validation. Measurement: Journal of the International Measurement Confederation, 2021, 173, 108670.	2.5	23
25	Pareto optimization of WEDM process parameters for machining a NiTi shape memory alloy using a combined approach of RSM and heat transfer search algorithm. Advances in Manufacturing, 2021, 9, 64-80.	3.2	60
26	An Overview of Proteus: The world's First Man-Made Non-cuttable Material. Lecture Notes in Mechanical Engineering, 2021, , 95-102.	0.3	13
27	A Review on Applications of Nitinol Shape Memory Alloy. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 123-132.	0.3	30
28	Advances in gas metal arc welding process: modifications in short-circuiting transfer mode. , 2021, , 67-104.		12
29	Parametric Optimization and Effect of Nano-Graphene Mixed Dielectric Fluid on Performance of Wire Electrical Discharge Machining Process of Ni55.8Ti Shape Memory Alloy. Materials, 2021, 14, 2533.	1.3	34
30	Optimization of Activated Tungsten Inert Gas Welding Process Parameters Using Heat Transfer Search Algorithm: With Experimental Validation Using Case Studies. Metals, 2021, 11, 981.	1.0	29
31	Experimental Investigations and Pareto Optimization of Fiber Laser Cutting Process of Ti6Al4V. Metals, 2021, 11, 1461.	1.0	28
32	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.	2.6	46
33	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.	2.6	14
34	Elucidating the Effect of Step Cooling Heat Treatment on the Properties of 2.25 Cr-1.0 Mo Steel Welded with a Combination of GMAW Techniques Incorporating Metal-Cored Wires. Materials, 2021, 14, 6033.	1.3	7
35	Integration of Fuzzy AHP and Fuzzy TOPSIS Methods for Wire Electric Discharge Machining of Titanium (Ti6Al4V) Alloy Using RSM. Materials, 2021, 14, 7408.	1.3	35
36	Multi-Response Optimization of Abrasive Waterjet Machining of Ti6Al4V Using Integrated Approach of Utilized Heat Transfer Search Algorithm and RSM. Materials, 2021, 14, 7746.	1.3	18

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37	Investigation of Thermal-Related Effects in Hot SPIF of Ti-6Al-4V Alloy. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 299-317.	2.7	17
38	Cutting edge control by monitoring the tapping torque of new and resharpened tapping tools in Inconel 718. International Journal of Advanced Manufacturing Technology, 2020, 106, 3799-3808.	1.5	17
39	MoniThor: A complete monitoring tool for machining data acquisition based on FPGA programming. SoftwareX, 2020, 11, 100387.	1.2	18
40	5-axis double-flank CNC machining of spiral bevel gears via custom-shaped milling tools – Part I: Modeling and simulation. Precision Engineering, 2020, 62, 204-212.	1.8	39
41	Growth of titanium dioxide nanorod over shape memory material using chemical vapor deposition for energy conversion application. Materials Today: Proceedings, 2020, 28, 475-479.	0.9	30
42	Experimental studies of Regulated Metal Deposition (RMD) on ASTM A387 (11) steel: study of parametric influence and welding performance optimization. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	26
43	Effect of WEDM Process Parameters on Surface Morphology of Nitinol Shape Memory Alloy. Materials, 2020, 13, 4943.	1.3	53
44	Uncharted Stable Peninsula for Multivariable Milling Tools by High-Order Homotopy Perturbation Method. Applied Sciences (Switzerland), 2020, 10, 7869.	1.3	9
45	Semi-Active Magnetorheological Damper Device for Chatter Mitigation during Milling of Thin-Floor Components. Applied Sciences (Switzerland), 2020, 10, 5313.	1.3	25
46	Patterns for International Cooperation between Innovation Clusters. Cases of CFAA and ruhrvalley. , 2020, , .		1
47	Milling with ceramic inserts of austempered ductile iron (ADI): process conditions and performance. International Journal of Advanced Manufacturing Technology, 2020, 110, 899-907.	1.5	15
48	Isotropic finishing of austempered iron casting cylindrical parts by roller burnishing. International Journal of Advanced Manufacturing Technology, 2020, 110, 753-761.	1.5	49
49	Identification of Key Performance Indicators in Project-Based Organisations through the Lean Approach. Sustainability, 2020, 12, 5977.	1.6	22
50	Abrasive Disc Performance in Dry-Cutting of Medium-Carbon Steel. Metals, 2020, 10, 538.	1.0	5
51	Manufacturing Processes of Integral Blade Rotors for Turbomachinery, Processes and New Approaches. Applied Sciences (Switzerland), 2020, 10, 3063.	1.3	27
52	CO2 cryogenic milling of Inconel 718: cutting forces and tool wear. Journal of Materials Research and Technology, 2020, 9, 8459-8468.	2.6	100
53	Threading Performance of Different Coatings for High Speed Steel Tapping. Coatings, 2020, 10, 464.	1.2	15
54	Machining Stresses and Initial Geometry on Bulk Residual Stresses Characterization by On-Machine Layer Removal. Materials, 2020, 13, 1445.	1.3	27

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55	Multiple Sensor Monitoring of CFRP Drilling to Define Cutting Parameters Sensitivity on Surface Roughness, Cylindricity and Diameter. <i>Materials</i> , 2020, 13, 2796.	1.3	15
56	Surface Analysis of Wire-Electrical-Discharge-Machining-Processed Shape-Memory Alloys. <i>Materials</i> , 2020, 13, 530.	1.3	69
57	Multi-response Optimization of WEDM Parameters Using an Integrated Approach of RSM–GRA Analysis for Pure Titanium. <i>Journal of the Institution of Engineers (India): Series D</i> , 2020, 101, 117-126.	0.6	49
58	Study of parametric influence and welding performance optimization during regulated metal deposition (RMD–C) using grey integrated with fuzzy taguchi approach. <i>Journal of Manufacturing Processes</i> , 2020, 54, 286-300.	2.8	26
59	Multi-response Optimization of Ni55.8Ti Shape Memory Alloy Using Taguchi–Grey Relational Analysis Approach. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2020, , 13-23.	0.3	19
60	Optimization of Parameters of Spark Erosion Based Processes. , 2020, , 190-216.		9
61	ANALITICAL MODEL FOR DISTORTION PREDICTION IN MACHINED COMPONENTS. <i>Dyna (Spain)</i> , 2020, 95, 205-210.	0.1	2
62	TEST BENCH FOR CHARACTERIZATION OF HYDROSTATIC BEARINGS. <i>Dyna (Spain)</i> , 2020, 95, 265-269.	0.1	0
63	A ROBUST PROCESS FOR THE PRECISION FINISHING OF PIECES ORIGINATED BY METALLIC PRINTING. <i>Dyna (Spain)</i> , 2020, 95, 436-442.	0.1	1
64	New Processes and Machine Tools for Advanced Metal Alloys. <i>Metals</i> , 2020, 10, 225.	1.0	0
65	MACHINING OF DEVELOPABLE RULED SURFACES USING MATHEMATICAL ALGORITHMS. <i>Dyna (Spain)</i> , 2020, 95, 125-125.	0.1	0
66	Influence of cutting edge radius on tool life in milling inconel 718. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	6
67	Actively lubricated hybrid journal bearings based on magnetic fluids for high-precision spindles of machine tools. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2257-2271.	1.4	38
68	Analysis of Laser Tracker-Based Volumetric Error Mapping Strategies for Large Machine Tools. <i>Metals</i> , 2019, 9, 757.	1.0	9
69	Failure-Analysis Based Redesign of Furnace Conveyor System Components: A Case Study. <i>Metals</i> , 2019, 9, 816.	1.0	13
70	A Methodology to Evaluate the Reliability Impact of the Replacement of Welded Components by Additive Manufacturing Spare Parts. <i>Metals</i> , 2019, 9, 932.	1.0	38
71	Surface integrity and fatigue of non-conventional machined Alloy 718. <i>Journal of Manufacturing Processes</i> , 2019, 48, 44-50.	2.8	59
72	TRLs 5–7 Advanced Manufacturing Centres, Practical Model to Boost Technology Transfer in Manufacturing. <i>Sustainability</i> , 2019, 11, 4890.	1.6	20

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73	On-machine Characterization of Bulk Residual Stresses on Machining Blanks. Procedia CIRP, 2019, 82, 406-410.	1.0	11
74	Temperature Distribution During Friction Stir Welding of AA2014 Aluminum Alloy: Experimental and Statistical Analysis. Transactions of the Indian Institute of Metals, 2019, 72, 969-981.	0.7	21
75	Developments in Friction Stir Processing – A Near Net Shape Forming Technique. Materials Forming, Machining and Tribology, 2019, , 35-53.	0.7	4
76	Effect of Oxide Fluxes in Activated TIG Welding of Stainless Steel 316LN to Low Activation Ferritic/Martensitic Steel (LAFM) Dissimilar Combination. Transactions of the Indian Institute of Metals, 2019, 72, 2753-2761.	0.7	16
77	Accuracy and Surface Quality Improvements in the Manufacturing of Ti-6Al-4V Parts Using Hot Single Point Incremental Forming. Metals, 2019, 9, 697.	1.0	17
78	Thin-Wall Machining of Light Alloys: A Review of Models and Industrial Approaches. Materials, 2019, 12, 2012.	1.3	61
79	Attaining optimized A-TIG welding parameters for carbon steels by advanced parameter-less optimization techniques: with experimental validation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	22
80	Wear and MnS Layer Adhesion in Uncoated Cutting Tools When Dry and Wet Turning Free-Cutting Steels. Metals, 2019, 9, 556.	1.0	15
81	Multi-Response Optimization of WEDM Process Parameters for Machining of Superelastic Nitinol Shape-Memory Alloy Using a Heat-Transfer Search Algorithm. Materials, 2019, 12, 1277.	1.3	79
82	Sensitivity Analysis of Tool Wear in Drilling of Titanium Aluminides. Metals, 2019, 9, 297.	1.0	12
83	Joining metrics enhancement when combining FSW and ball-burnishing in a 2050 aluminium alloy. Surface and Coatings Technology, 2019, 367, 327-335.	2.2	54
84	Inspection scheduling based on reliability updating of gas turbine welded structures. Advances in Mechanical Engineering, 2019, 11, 168781401881928.	0.8	31
85	On-Line Monitoring of Blind Fastener Installation Process. Materials, 2019, 12, 1157.	1.3	2
86	A Quick Cycle Time Sensitivity Analysis of Boron Steel Hot Stamping. Metals, 2019, 9, 235.	1.0	15
87	Burnishing of FSW Aluminum Al – Cu – Li Components. Metals, 2019, 9, 260.	1.0	37
88	Special Issue on New Industry 4.0 Advances in Industrial IoT and Visual Computing for Manufacturing Processes. Applied Sciences (Switzerland), 2019, 9, 4323.	1.3	6
89	Prediction Methods and Experimental Techniques for Chatter Avoidance in Turning Systems: A Review. Applied Sciences (Switzerland), 2019, 9, 4718.	1.3	29
90	Assessing the Success of R&D Projects and Innovation Projects through Project Management Life Cycle. , 2019, , .		7

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91	An investigation of cutting forces and tool wear in turning of Haynes 282. Journal of Manufacturing Processes, 2019, 37, 529-540.	2.8	48
92	Process performance and life cycle assessment of friction drilling on dual-phase steel. Journal of Cleaner Production, 2019, 213, 1147-1156.	4.6	26
93	Friction capabilities of graphite-based lubricants at room and over 1400ÅK temperatures. International Journal of Advanced Manufacturing Technology, 2019, 102, 1623-1633.	1.5	14
94	Effect of Friction Stir Welding of Aluminum Alloys AA6061/AA7075: Temperature Measurement, Microstructure, and Mechanical Properties. Advances in Intelligent Systems and Computing, 2019, , 591-598.	0.5	8
95	Correction to: Effect of Friction Stir Welding of Aluminum Alloys AA6061/AA7075: Temperature Measurement, Microstructure, and Mechanical Properties. Advances in Intelligent Systems and Computing, 2019, , E1-E1.	0.5	1
96	TRAINING AND EDUCACIONAL OPORTUNITIES AT THE AERONAUTICS ADVANCED MANUFACTURING CENTER CFAA UPV/EHU. , 2019, , .		0
97	INCREASE OF ENVIRONMENTAL SENSITIVITY IN MANUFACTURING ENVIRONMENTS THROUGH TECHNOLOGICAL IMPROVEMENTS: ELIMINATION OF CUTTING FLUIDS IN EDUCATIONAL LABORATORIES. , 2019, , .		0
98	FREE-FORM TOOLS DESIGN AND FABRICATION FOR FLANK SUPER ABRASIVE MACHINING (FSAM) NON DEVELOPABLE SURFACES. MM Science Journal, 2019, 2019, 3093-3098.	0.2	2
99	THE ADVANCE MANUFACTURING RESEARCH CENTER ON AERONAUTICS: A CASE STUDY OF THE UNIVERSITY & INDUSTRY COOPERATION. , 2019, , .		0
100	Stability charts with large curve-flute end-mills for thin-walled workpieces. Machining Science and Technology, 2018, 22, 585-603.	1.4	12
101	Modelling of surface roughness in inclined milling operations with circle-segment end mills. Simulation Modelling Practice and Theory, 2018, 84, 161-176.	2.2	56
102	Seals Based on Magnetic Fluids for High Precision Spindles of Machine Tools. International Journal of Precision Engineering and Manufacturing, 2018, 19, 495-503.	1.1	46
103	Highly accurate 5-axis flank CNC machining with conical tools. International Journal of Advanced Manufacturing Technology, 2018, 97, 1605-1615.	1.5	89
104	Economic sanctions and the dynamics of terrorist campaigns. Conflict Management and Peace Science, 2018, 35, 378-401.	1.0	18
105	Combination of friction drilling and form tapping processes on dissimilar materials for making nutless joints. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 1007-1020.	1.5	73
106	Combination of simulated annealing and pseudo spectral methods for the optimum removal rate in turning operations of nickel-based alloys. Advances in Engineering Software, 2018, 115, 391-397.	1.8	12
107	Flexible Abrasive Tools for the Deburring and Finishing of Holes in Superalloys. Journal of Manufacturing and Materials Processing, 2018, 2, 82.	1.0	8
108	Drilling Process in Î³-TiAl Intermetallic Alloys. Materials, 2018, 11, 2379.	1.3	12

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109	Super Abrasive Machining of Integral Rotary Components Using Grinding Flank Tools. <i>Metals</i> , 2018, 8, 24.	1.0	64
110	Improving Stability Prediction in Peripheral Milling of Al7075T6. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1316.	1.3	22
111	Comparison of Flank Super Abrasive Machining vs. Flank Milling on Inconel® 718 Surfaces. <i>Materials</i> , 2018, 11, 1638.	1.3	20
112	Hole Making by Electrical Discharge Machining (EDM) of \hat{f}^3 -TiAl Intermetallic Alloys. <i>Metals</i> , 2018, 8, 543.	1.0	14
113	A Consistent Procedure Using Response Surface Methodology to Identify Stiffness Properties of Connections in Machine Tools. <i>Materials</i> , 2018, 11, 1220.	1.3	18
114	Spiral Bevel Gears Face Roughness Prediction Produced by CNC End Milling Centers. <i>Materials</i> , 2018, 11, 1301.	1.3	21
115	On the Cutting Performance of Segmented Diamond Blades when Dry-Cutting Concrete. <i>Materials</i> , 2018, 11, 264.	1.3	21
116	Short-Cut Method to Assess a Gross Available Energy in a Medium-Load Screw Friction Press. <i>Metals</i> , 2018, 8, 173.	1.0	10
117	Five-Axis Milling of Large Spiral Bevel Gears: Toolpath Definition, Finishing, and Shape Errors. <i>Metals</i> , 2018, 8, 353.	1.0	39
118	Smart optimization of a friction-drilling process based on boosting ensembles. <i>Journal of Manufacturing Systems</i> , 2018, 48, 108-121.	7.6	70
119	Feature extraction-based prediction of tool wear of Inconel 718 in face turning. Insight: Non-Destructive Testing and Condition Monitoring, 2018, 60, 443-450.	0.3	9
120	MACHINES, PROCESSES, PEOPLE AND DATA, THE KEYS TO THE 4.0 REVOLUTION. <i>Dyna (Spain)</i> , 2018, 93, 576-577.	0.1	4
121	TOWARDS A 5G COMPLIANT AND FLEXIBLE CONNECTED MANUFACTURING FACILITY. <i>Dyna (Spain)</i> , 2018, 93, 656-662.	0.1	10
122	A RELIABLE MACHINING PROCESS BY MEANS OF INTENSIVE USE OF MODELLING AND PROCESS MONITORING: APPROACH 2025. <i>Dyna (Spain)</i> , 2018, 93, 689-696.	0.1	6
123	RESEARCH AND TEACHING ACTIVE METHODOLOGIES INTERACTION IN PRACTICAL LESSONS IN ENGINEERING MANUFACTURING TECHNOLOGIES. , 2018, , .		0
124	IMPROVEMENT OF THE SURFACE QUALITY OF INCREMENTALLY FORMED PARTS BY MEANS OF HYDROSTATIC BALL BURNISHING. <i>Dyna (Spain)</i> , 2018, 93, 650-655.	0.1	1
125	Biomachining: metal etching <i>via</i> microorganisms. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 323-332.	5.1	30
126	PVD coatings for thread tapping of austempered ductile iron. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 2663-2672.	1.5	29

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127	Nozzle design for combined use of MQL and cryogenic gas in machining. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 87-95.	2.7	97
128	Tool wear on nickel alloys with different coolant pressures: Comparison of Alloy 718 and Waspaloy. Journal of Manufacturing Processes, 2017, 26, 44-56.	2.8	155
129	Compliance vs. constraints: A theory of rebel targeting in civil war. Journal of Peace Research, 2017, 54, 427-441.	1.5	14
130	Numerical simulation of milling forces with barrel-shaped tools considering runout and tool inclination angles. Applied Mathematical Modelling, 2017, 47, 619-636.	2.2	35
131	Stability contour maps with barrel cutters considering the tool orientation. International Journal of Advanced Manufacturing Technology, 2017, 89, 2491-2501.	1.5	24
132	Experimental investigation on microstructure and mechanical properties of activated TIG welded reduced activation ferritic/martensitic steel joints. Journal of Manufacturing Processes, 2017, 25, 85-93.	2.8	41
133	Internal cryolubrication approach for Inconel 718 milling. Procedia Manufacturing, 2017, 13, 89-93.	1.9	52
134	Sustainability analysis of lubricant oils for minimum quantity lubrication based on their tribo-rheological performance. Journal of Cleaner Production, 2017, 164, 1419-1429.	4.6	111
135	Analysis of the regimes in the scanner-based laser hardening process. Optics and Lasers in Engineering, 2017, 90, 72-80.	2.0	72
136	Effects of high-pressure cooling on the wear patterns on turning inserts used on alloy IN718. Materials and Manufacturing Processes, 2017, 32, 678-686.	2.7	72
137	Biomachining: Preservation of <i>Acidithiobacillus ferrooxidans</i> and treatment of the liquid residue. Engineering in Life Sciences, 2017, 17, 382-391.	2.0	7
138	Solid subtraction model for the surface topography prediction in flank milling of thin-walled integral blade rotors (IBRs). International Journal of Advanced Manufacturing Technology, 2017, 90, 741-752.	1.5	38
139	A Reliable Turning Process by the Early Use of a Deep Simulation Model at Several Manufacturing Stages. Machines, 2017, 5, 15.	1.2	21
140	Wear-dependent specific coefficients in a mechanistic model for turning of nickel-based superalloy with ceramic tools. Open Engineering, 2017, 7, 175-184.	0.7	7
141	TALADRADO DE MATERIALES COMPUESTOS: PROBLEMAS, PRÁCTICAS RECOMENDADAS Y TÉCNICAS AVANZADAS. Dyna (Spain), 2017, 92, 188-193.	0.1	4
142	MÁQUINAS MULTITAREA: EVOLUCIÓN, RECURSOS, PROCESOS Y PROGRAMACIÓN. Dyna (Spain), 2017, 92, 637-642.	0.1	6
143	Training and learning of specialized engineers by means of a new advanced software. Computer Applications in Engineering Education, 2016, 24, 241-254.	2.2	3
144	Effects of Ultrasonics-Assisted Face Milling on Surface Integrity and Fatigue Life of Ni-Alloy 718. Journal of Materials Engineering and Performance, 2016, 25, 5076-5086.	1.2	100

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145	Cryogenic and minimum quantity lubrication for an eco-efficiency turning of AISI 304. Journal of Cleaner Production, 2016, 139, 440-449.	4.6	238
146	Alternatives for Specimen Manufacturing in Tensile Testing of Steel Plates. Experimental Techniques, 2016, 40, 1555-1565.	0.9	76
147	Spindle speed variation technique in turning operations: Modeling and real implementation. Journal of Sound and Vibration, 2016, 383, 384-396.	2.1	48
148	Economic Sanctions, Transnational Terrorism, and the Incentive to Misrepresent. Journal of Politics, 2016, 78, 249-264.	1.4	6
149	Data-mining modeling for the prediction of wear on forming-taps in the threading of steel components. Journal of Computational Design and Engineering, 2016, 3, 337-348.	1.5	23
150	New advances in copper biomachining by iron-oxidizing bacteria. Corrosion Science, 2016, 112, 385-392.	3.0	26
151	A Novel Approach in Designing PID Controller for Semi-active Quarter Car Model. MATEC Web of Conferences, 2016, 70, 04001.	0.1	0
152	Enhanced Performance of Nanostructured Coatings for Drilling by Droplet Elimination. Materials and Manufacturing Processes, 2016, 31, 593-602.	2.7	94
153	Improved Penetration with the Use of Oxide Fluxes in Activated TIG Welding of Low Activation Ferritic/Martensitic Steel. Transactions of the Indian Institute of Metals, 2016, 69, 1755-1764.	0.7	33
154	Effect of Tool Rotation Speed on Friction Stir Spot Welded AA5052-H32 and AA6082-T6 Dissimilar Aluminum Alloys. Metallography, Microstructure, and Analysis, 2016, 5, 142-148.	0.5	21
155	Using artificial neural networks for the prediction of dimensional error on inclined surfaces manufactured by ball-end milling. International Journal of Advanced Manufacturing Technology, 2016, 83, 847-859.	1.5	84
156	Improved predictions of the stability lobes for milling cutting operations of thin-wall components by considering ultra-miniature accelerometer mass effects. International Journal of Advanced Manufacturing Technology, 2016, 86, 2139-2146.	1.5	23
157	Detecting the key geometrical features and grades of carbide inserts for the turning of nickel-based alloys concerning surface integrity. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 3725-3742.	1.1	81
158	Large Spiral Bevel Gears on Universal 5-axis Milling Machines: A Complete Process. Procedia Engineering, 2015, 132, 397-404.	1.2	24
159	A Mechanistic Cutting Force Model for New Barrel End Mills. Procedia Engineering, 2015, 132, 553-560.	1.2	8
160	Cryogenic Hard Turning of ASP23 Steel Using Carbon Dioxide. Procedia Engineering, 2015, 132, 486-491.	1.2	28
161	Wear of Form Taps in Threading of Steel Cold Forged Parts. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	1.3	32
162	The Use of Hybrid CO ₂ +MQL in Machining Operations. Procedia Engineering, 2015, 132, 492-499.	1.2	81

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