List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Investigation on industrial dataspace for advanced machining workshops: enabling machining operations control with domain knowledge and application case studies. Journal of Intelligent Manufacturing, 2022, 33, 103-119.	4.4	13
2	Exploring the deformation potential of composite materials processed by incremental sheet forming: a review. International Journal of Advanced Manufacturing Technology, 2022, 118, 2099-2137.	1.5	9
3	Cross-entropy-based directional importance sampling with von Mises-Fisher mixture model for reliability analysis. Reliability Engineering and System Safety, 2022, 220, 108306.	5.1	26
4	Non-Linear Dynamic Analysis on Hybrid Air Bearing-Rotor System under Ultra-High Speed Condition. Materials, 2022, 15, 675.	1.3	2
5	The Stability of Spiral-Grooved Air Journal Bearings in Ultrahigh Speeds. Materials, 2022, 15, 1759.	1.3	1
6	Design of a Hydrostatic Spindle and Its Simulation Analysis with the Application to a High Precision Internal Grinding Machine. Machines, 2022, 10, 127.	1.2	7
7	The Modelling and Analysis of Micro-Milling Forces for Fabricating Thin-Walled Micro-Parts Considering Machining Dynamics. Machines, 2022, 10, 217.	1.2	5
8	Advanced Autonomous Machines and Design Developments. Machines, 2022, 10, 491.	1.2	0
9	Development of multiscale multiphysics-based modelling and simulations with the application to precision machining of aerofoil structures. Engineering Computations, 2021, 38, 1330-1349.	0.7	16
10	Development of the innovative differential tool wear modeling for high-feed milling and its experimental verification. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 85-97.	1.5	7
11	An investigation of influence of cutting parameters on three-dimensional surface topography in micromilling SiCp/Al composites. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 829-838.	1.5	12
12	Investigation on quantitative analysis of carbon footprint in discrete manufacturing by using the innovative energy dataspace approach. Manufacturing Letters, 2021, 27, 58-62.	1.1	1
13	Exploring the Microbiome-Wide Lysine Acetylation, Succinylation, and Propionylation in Human Gut Microbiota. Analytical Chemistry, 2021, 93, 6594-6598.	3.2	6
14	Multiscale Modelling and Analysis for Design and Development of a High-Precision Aerostatic Bearing Slideway and Its Digital Twin. Machines, 2021, 9, 85.	1.2	12
15	AK-DS: An adaptive Kriging-based directional sampling method for reliability analysis. Mechanical Systems and Signal Processing, 2021, 156, 107610.	4.4	52
16	Dislocation evolution in nanoscratching the CVD diamond film: Discrete dislocation dynamics simulation and experiments. MRS Communications, 2021, 11, 619.	0.8	5
17	Reliability index function approximation based on adaptive double-loop Kriging for reliability-based design optimization. Reliability Engineering and System Safety, 2021, 216, 108020.	5.1	33
18	Investigation of a dynamics-oriented engineering approach to ultraprecision machining of freeform surfaces and its implementation perspectives. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2021, 4, 043002.	1.7	3

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19	Development of an Intelligent Quality Management System for Micro Laser Welding: An Innovative Framework and Its Implementation Perspectives. Machines, 2021, 9, 252.	1.2	6
20	Investigation into precision engineering design and development of the next-generation brake discs using Al/SiC metal matrix composites. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2021, 4, 043003.	1.7	0
21	Monitoring and Predicting the Surface Generation and Surface Roughness in Ultraprecision Machining: A Critical Review. Machines, 2021, 9, 369.	1.2	20
22	Bayesian optimum accelerated life test plans based on quantile regression. Communications in Statistics Part B: Simulation and Computation, 2020, 49, 2402-2418.	0.6	2
23	Investigation of strengthening effect on the machining rigidity in longitudinal torsional ultrasonic milling of thin-plate structures. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, 234, 665-670.	1.5	9
24	Investigation on multi-body dynamics based approach to the toolpath generation for ultraprecision machining of freeform surfaces. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, 234, 571-583.	1.5	25
25	Development of electrical enhanced photocatalysis polishing slurry for silicon carbide wafer. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, 234, 401-413.	1.0	9
26	Improved dynamic cutting force modelling in micro milling of metal matrix composites Part I: Theoretical model and simulations. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 1733-1745.	1.1	18
27	Structural reliability analysis based on ensemble learning of surrogate models. Structural Safety, 2020, 83, 101905.	2.8	75
28	Improved dynamic cutting force modelling in micro milling of metal matrix composites part II: Experimental validation and prediction. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 1500-1515.	1.1	8
29	Investigation on an innovative approach for clamping contact lens mould inserts in ultraprecision machining using an adaptive precision chuck and its application perspectives. International Journal of Advanced Manufacturing Technology, 2020, 111, 839-850.	1.5	10
30	Multiscale Modelling and Analysis on the Heavy-duty Hydrostatic Journal Bearing for a Precision Press Machine. IOP Conference Series: Materials Science and Engineering, 2020, 825, 012010.	0.3	1
31	The static performance of the high-speed aerostatic spindles with modified discharge coefficients. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, , 095440542091206.	1.5	1
32	MetaLab 2.0 Enables Accurate Post-Translational Modifications Profiling in Metaproteomics. Journal of the American Society for Mass Spectrometry, 2020, 31, 1473-1482.	1.2	21
33	An analytical model for force prediction in micromilling silicon carbide particle–reinforced aluminum matrix composites. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, 234, 1273-1282.	1.5	6
34	A vine copula–based method for analyzing the moment-independent importance measure of the multivariate output. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 338-354.	0.6	1
35	A Bayesian Monte Carlo-based method for efficient computation of global sensitivity indices. Mechanical Systems and Signal Processing, 2019, 117, 498-516.	4.4	54
36	Investigation on surface morphology and tribological property generated by vibration assisted strengthening on aviation spherical plain bearings. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 4091-4101.	1.1	4

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37	Analysis of static and dynamic characteristics of spiral-grooved gas journal bearings in high speed. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 6774-6792.	1.1	7
38	Gradient-enhanced high dimensional model representation via Bayesian inference. Knowledge-Based Systems, 2019, 184, 104903.	4.0	3
39	Realization of ductile regime machining in micro-milling SiCp/Al composites and selection of cutting parameters. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 4336-4347.	1.1	16
40	Investigation on the material removal and surface roughness in ultraprecision machining of Al/B4C/50p metal matrix composites. International Journal of Advanced Manufacturing Technology, 2019, 105, 2815-2831.	1.5	9
41	On-Machine Measurement of the Straightness and Tilt Errors of a Linear Slideway Using a New Four-Sensor Method. Chinese Journal of Mechanical Engineering (English Edition), 2019, 32, .	1.9	3
42	An experimental investigation on surface generation in ultraprecision machining of particle reinforced metal matrix composites. International Journal of Advanced Manufacturing Technology, 2019, 105, 4499-4507.	1.5	25
43	An efficient and robust adaptive sampling method for polynomial chaos expansion in sparse Bayesian learning framework. Computer Methods in Applied Mechanics and Engineering, 2019, 352, 654-674.	3.4	21
44	A new surrogate modeling method combining polynomial chaos expansion and Gaussian kernel in a sparse Bayesian learning framework. International Journal for Numerical Methods in Engineering, 2019, 120, 498-516.	1.5	7
45	Vibration assisted machining. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 4079-4080.	1.1	5
46	Investigation on influences of herringbone grooves for the aerostatic journal bearings applied to ultra-high-speed spindles. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 5795-5812.	1.1	10
47	An efficient method for estimating global reliability sensitivity indices. Probabilistic Engineering Mechanics, 2019, 56, 35-49.	1.3	12
48	Time-variant reliability analysis based on high dimensional model representation. Reliability Engineering and System Safety, 2019, 188, 310-319.	5.1	20
49	Integrated modelling and analysis of micro-cutting mechanics with the precision surface generation in abrasive flow machining. International Journal of Advanced Manufacturing Technology, 2019, 105, 4571-4583.	1.5	25
50	An expanded sparse Bayesian learning method for polynomial chaos expansion. Mechanical Systems and Signal Processing, 2019, 128, 153-171.	4.4	16
51	Aerostatic bearings design and analysis with the application to precision engineering: State-of-the-art and future perspectives. Tribology International, 2019, 135, 1-17.	3.0	103
52	Development of the improved Preston equation for abrasive flow machining of aerofoil structures and components. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 1397-1404.	1.0	14
53	Multi-level multi-fidelity sparse polynomial chaos expansion based on Gaussian process regression. Computer Methods in Applied Mechanics and Engineering, 2019, 349, 360-377.	3.4	30
54	Effect of self-developed graphene lubricant on tribological behaviour of silicon carbide/silicon nitride interface. Ceramics International, 2019, 45, 10211-10222.	2.3	26

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55	Non-traditional and hybrid processes for micro and nano manufacturing. International Journal of Advanced Manufacturing Technology, 2019, 105, 4481-4482.	1.5	4
56	The copula-based method for statistical analysis of step-stress accelerated life test with dependent competing failure modes. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 401-418.	0.6	5
57	Innovative design and analysis of a longitudinal-torsional transducer with the shared node plane applied for ultrasonic assisted milling. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 4128-4139.	1.1	16
58	Sparse polynomial chaos expansions for global sensitivity analysis with partial least squares and distance correlation. Structural and Multidisciplinary Optimization, 2019, 59, 229-247.	1.7	9
59	Longitudinal–torsional ultrasonic vibration-assisted side milling process. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3356-3363.	1.1	11
60	Multivariate output global sensitivity analysis using multi-output support vector regression. Structural and Multidisciplinary Optimization, 2019, 59, 2177-2187.	1.7	20
61	Investigation on the fabrication of dicing blades with different sintering methods for machining hard-brittle material wafers. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1781-1793.	1.5	13
62	Investigation on an industrial-feasible approach for measurement and assessment of large-sized micro-structured surfaces based on grayscale matching. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1310-1316.	1.5	2
63	An approach to investigate moiré patterns of a reflective linear encoder with application to accuracy improvement of a machine tool. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 927-936.	1.5	9
64	Characterizing the fluid dynamics of the inverted frustoconical shaking bioreactor. Biotechnology Progress, 2018, 34, 478-485.	1.3	7
65	Investigation on Innovative Dynamic Cutting Force Modelling in Micro-milling and Its Experimental Validation. Nanomanufacturing and Metrology, 2018, 1, 82-95.	1.5	21
66	Simulation study of the influence of cutting speed and tool–particle interaction location on surface formation mechanism in micromachining SiCp/Al composites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 2044-2056.	1.1	32
67	Adaptive sparse polynomial chaos expansions for global sensitivity analysis based on support vector regression. Computers and Structures, 2018, 194, 86-96.	2.4	105
68	Sparse polynomial chaos expansion based on D-MORPH regression. Applied Mathematics and Computation, 2018, 323, 17-30.	1.4	50
69	An innovative investigation on chip formation mechanisms in micro-milling using natural diamond and tungsten carbide tools. Journal of Manufacturing Processes, 2018, 31, 382-394.	2.8	92
70	Analysis on discharge coefficients in FEM modeling of hybrid air journal bearings and experimental validation. Tribology International, 2018, 119, 549-558.	3.0	16
71	Investigation of influence of tool rake angle in single point diamond turning of silicon. International Journal of Advanced Manufacturing Technology, 2018, 94, 2343-2355.	1.5	38
72	An investigation of the influence of phases' removal ways on surface quality in micro milling SiCp/Al composites. Procedia CIRP, 2018, 71, 59-64.	1.0	14

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73	Research on Morphology and Semantics of Industrial Design for CNC Machine Tools. Procedia Manufacturing, 2018, 17, 379-386.	1.9	1
74	Investigation on an Innovative Method for High-Speed Low-Damage Micro-Cutting of CFRP Composites with Diamond Dicing Blades. Materials, 2018, 11, 1974.	1.3	18
75	CFD-based design and analysis of air-bearing-supported paint spray spindle. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2018, 1, 226-235.	1.7	Ο
76	Investigation on an industrial-feasible approach for measurement and assessment of large-sized micro-structured surfaces based on grayscale matching. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 2242-2248.	1.5	3
77	Separation and characterization of human microbiomes by metaproteomics. TrAC - Trends in Analytical Chemistry, 2018, 108, 221-230.	5.8	4
78	An experimental investigation on ultra-precision instrumented smart aerostatic bearing spindle applied to high speed micro-drilling. Journal of Manufacturing Processes, 2018, 31, 324-335.	2.8	21
79	An innovative investigation on the workpiece kinematics and its roundness generation in through-feed centreless grinding. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 1131-1143.	1.5	4
80	Investigation on an integrated approach to design and micro fly-cutting of micro-structured riblet surfaces. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 3291-3300.	1.1	13
81	Computational design and analysis of aerostatic journal bearings with application to ultra-high speed spindles. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 1205-1220.	1.1	29
82	Temporal and spatial multi-parameter dynamic reliability and global reliability sensitivity analysis based on the extreme value moments. Structural and Multidisciplinary Optimization, 2017, 56, 117-129.	1.7	66
83	Mixed kernel function support vector regression for global sensitivity analysis. Mechanical Systems and Signal Processing, 2017, 96, 201-214.	4.4	88
84	Clobal sensitivity analysis using support vector regression. Applied Mathematical Modelling, 2017, 49, 587-598.	2.2	78
85	Development of Smart Tooling Concepts Applied to Ultraprecision Machining. Journal of Micro and Nano-Manufacturing, 2017, 5, .	0.8	0
86	Modeling and Simulation of Material Removal Rates and Profile Accuracy Control in Abrasive Flow Machining of the Integrally Bladed Rotor Blade and Experimental Perspectives. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	1.3	34
87	Smart Cutting Tools and Smart Machining: Development Approaches, and Their Implementation and Application Perspectives. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 1162-1176.	1.9	52
88	Future Digital Design and Manufacturing: Embracing Industry 4.0 and Beyond. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 1047-1049.	1.9	18
89	Special Issue on Future Digital Design and Manufacturing: Embracing Industry 4.0 and Beyond-Part II. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 1045-1046.	1.9	2
90	An Integrated approach to energy efficiency in automotive manufacturing systems: quantitative analysis and optimisation. Production and Manufacturing Research, 2017, 5, 90-98.	0.9	11

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91	Investigation on the Industrial Design Approach for CNC Machine Tools and Its Implementation and Application Perspectives. Procedia Manufacturing, 2017, 11, 1454-1462.	1.9	5
92	Improving Production Changeovers and the Optimization: A Simulation Based Virtual Process Approach and Its Application Perspectives. Procedia Manufacturing, 2017, 11, 2042-2050.	1.9	9
93	Comparative studies on the effect of pilot drillings with application to high-speed drilling of carbon fibre reinforced plastic (CFRP) composites. International Journal of Advanced Manufacturing Technology, 2017, 89, 3243-3255.	1.5	26
94	Cathode design for precision electrochemical machining of straight teeth face gear. , 2017, , .		0
95	Simulation based energy-resource efficient manufacturing integrated with in-process virtual management. Chinese Journal of Mechanical Engineering (English Edition), 2016, 29, 1083-1089.	1.9	3
96	Manufacturing Supplier Selection in Cloud Manufacturing Context and its Implementation and Application Perspectives. , 2016, , .		0
97	Special issue on future digital design and manufacturing: Embracing industry 4.0 and beyond. Chinese Journal of Mechanical Engineering (English Edition), 2016, 29, 1045-1045.	1.9	10
98	Investigation on Multi-Physics Simulation-Based Virtual Machining System for Vibratory Finishing of Integrally Bladed Rotors (IBRS). Journal of Multiscale Modeling, 2016, 07, 1640003.	1.0	2
99	Ultra-deep tyrosine phosphoproteomics enabled by a phosphotyrosine superbinder. Nature Chemical Biology, 2016, 12, 959-966.	3.9	141
100	Configuration Design of the Add-on Cyber-physical System with CNC Machine Tools and its Application Perspectives. Procedia CIRP, 2016, 56, 360-365.	1.0	30
101	Development of the supply chain oriented quality assurance system for aerospace manufacturing SMEs and its implementation perspectives. Chinese Journal of Mechanical Engineering (English) Tj ETQq1 1 0.7	843 1.9 rgB	T /Øverlock 1
102	Managing Complexity in Manufacturing Changeovers: A Sustainable Manufacturing-Oriented Approach and the Application Case Study. , 2016, , .		4
103	An Investigation of Surface Defect Formation in Micro Milling the 45% SiCp/Al Composite. Procedia CIRP, 2016, 45, 211-214.	1.0	25
104	An innovative approach to cutting force modelling in diamond turning and its correlation analysis with tool wear. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 405-415.	1.5	36
105	Development of the Energy-smart Production Management system (e-ProMan): A Big Data driven approach, analysis and optimisation. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 972-978.	1.5	26
106	Multiscale Multiphysics-Based Modeling and Analysis on the Tool Wear in Micro Drilling. Journal of Multiscale Modeling, 2016, 07, 1640002.	1.0	7
107	Multiphysics-based design and analysis of the high-speed aerostatic spindle with application to micro-milling. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2016, 230, 852-871.	1.0	33
108	Guided wave mode dispersion of transient acoustic emission on copper pipes—lts visualisation and application to source location. Mechanical Systems and Signal Processing, 2016, 70-71, 881-890.	4.4	16

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109	An experimental investigation on the dissimilar joining of AA6061 and 1Cr18Ni9Ti by refill friction stir spot welding and its mechanical properties. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 779-785.	1.5	10
110	AN INVESTIGATION ON SIMULATION AND IDENTIFICATION OF DIFFRACTED MOIRÉ PATTERNS OF OPTICAL ENCODERS WITH APPLICATION TO MACHINE TOOLS. , 2016, , .		0
111	Keynote presentation — 2: Smart tooling, smart machines and smart manufacturing: Working towards the Industry 4.0 and beyond. , 2015, , .		3
112	CFD based investigation on influence of orifice chamber shapes for the design of aerostatic thrust bearings at ultra-high speed spindles. Tribology International, 2015, 92, 211-221.	3.0	94
113	An analytical investigation on the workpiece roundness generation and its perfection strategies in centreless grinding. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 409-420.	1.5	11
114	Wear and breakage behaviors of PCD small-diameter end-mill: a case study on machining 2A12 aluminum alloy. International Journal of Advanced Manufacturing Technology, 2015, 77, 839-846.	1.5	9
115	Micro-/Nano-machining through Mechanical Cutting. , 2015, , 35-59.		7
116	Appreciation of 2014 reviewers. International Journal of Advanced Manufacturing Technology, 2015, 80, 1-2.	1.5	22
117	Cutting force–based analysis and correlative observations on the tool wear in diamond turning of single-crystal silicon. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 1867-1873.	1.5	22
118	Guest Editorial Introduction to the Focused Section on Mechatronics for Intelligent Manufacturing. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1001-1004.	3.7	1
119	Design of an innovative smart turning tool with application to real-time cutting force measurement. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 563-568.	1.5	21
120	Design of an instrumented smart cutting tool and its implementation and application perspectives. Smart Materials and Structures, 2014, 23, 035019.	1.8	30
121	An experimental investigation on micro-milling of polymethyl methacrylate components with nanometric surface roughness. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 790-796.	1.5	22
122	An integrated systematic investigation of the process variables on surface generation in abrasive flow machining of titanium alloy 6Al4V. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 1419-1431.	1.5	21
123	Internally cooled tools and cutting temperature in contamination-free machining. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 135-145.	1.1	22
124	Development of a novel surface acoustic wave (SAW) based smart cutting tool in machining hybrid dissimilar material. Manufacturing Letters, 2014, 2, 21-25.	1.1	4
125	Efficiency in contamination-free machining using microfluidic structures. CIRP Journal of Manufacturing Science and Technology, 2014, 7, 97-105.	2.3	10
126	An investigation on quantitative analysis of energy consumption and carbon footprint in the grinding process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 950-956.	1.5	25

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127	Design of a smart turning tool with application to in-process cutting force measurement in ultraprecision and micro cutting. Manufacturing Letters, 2014, 2, 112-117.	1.1	15
128	An investigation on the micro cutting performance of diamond-like carbon coatings using finite element method. International Journal of Advanced Manufacturing Technology, 2014, 73, 1321-1340.	1.5	8
129	Engineering drawing man-hour forecasting based on BP-GA in design of chemical equipment. , 2014, , .		0
130	Cell Nucleus Targeting for Living Cell Extraction of Nucleic Acid Associated Proteins with Intracellular Nanoprobes of Magnetic Carbon Nanotubes. Analytical Chemistry, 2013, 85, 7038-7043.	3.2	29
131	Design and analysis of a piezoelectric film embedded smart cutting tool. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 254-260.	1.5	26
132	An innovative method for surface defects prevention in micro milling and its implementation perspectives. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2013, 227, 1347-1355.	1.0	12
133	Design and analysis of a self-sensing smart cutting tool integrated piezoelectric films for cutting force monitoring in ultra-precision machining. , 2013, , .		2
134	Structural Design and Simulation Analysis of Ejector Used in Automotive Power Steering Oil Discharge Equipment. Applied Mechanics and Materials, 2013, 274, 270-273.	0.2	0
135	An Innovative Method to Measure the Cutting Temperature in Process by Using an Internally Cooled Smart Cutting Tool. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2013, 135, .	1.3	29
136	An industrially feasible approach to process optimisation of abrasive flow machining and its implementation perspectives. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 1748-1752.	1,5	15
137	Dynamics Design and Analysis of Direct-Drive Aerostatic Slideways in a Multi-Physics Simulation Environment. International Journal of Mechanical Engineering Education, 2013, 41, 315-328.	0.6	7
138	Adaptive smart machining based on using constant cutting force and a smart cutting tool. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 249-253.	1.5	27
139	Design and analysis of a novel large-aperture grating device and its experimental validation. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 1349-1359.	1.5	10
140	Micro milling performance assessment of diamond-like carbon coatings on a micro-end mill. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2013, 227, 1038-1046.	1.0	15
141	An investigation on machinability assessment of difficult-to-cut materials based on radar charts. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 1916-1920.	1.5	13
142	Back Chip Temperature in Environmentally Conscious Turning with Conventional and Internally Cooled Cutting Tools. Journal of Mechanical Engineering and Sciences, 2013, 4, 356-372.	0.3	3
143	Design of a novel tensile testing device and its application in tensile testing experiments on copper micro wires. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1594-1600.	1.5	2
144	The Ambulatory UV Light Soure Dry Curing Machine Designing. Advanced Materials Research, 2012, 472-475, 1107-1109.	0.3	0

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145	An investigation on the cutting performance of nano-crystalline diamond coatings on a micro-end mill. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1421-1424.	1.5	14
146	Special issue on sustainable manufacturing and the key enabling technologies. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1603-1603.	1.5	11
147	Investigation on tooling geometrical effects of micro tools and the associated micro milling performance. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1442-1453.	1.5	21
148	Sustainability-oriented product modular design using kernel-based fuzzy c-means clustering and genetic algorithm. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1635-1647.	1.5	26
149	Design and Analysis of a Novel Sensing Cutting Tool for Precision Turning. Key Engineering Materials, 2012, 516, 373-377.	0.4	1
150	Design and Performance Assessment of a 5-Axis Ultra-Precision Micro-Milling Machine. Applied Mechanics and Materials, 2012, 217-219, 1699-1704.	0.2	0
151	Application of axiomatic design theory to automotive body assembly in the sustainable manufacturing context. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 959-964.	1.5	2
152	An investigation on the design and performance assessment of double-PID and LQR controllers for the inverted pendulum. , 2012, , .		24
153	3D FE-Based Modelling and Simulation of the Micro Milling Process. Key Engineering Materials, 2012, 516, 634-639.	0.4	4
154	An integrated modeling method for assessment of quality systems applied to aerospace manufacturing supply chains. Journal of Intelligent Manufacturing, 2012, 23, 1365-1378.	4.4	16
155	Subdivision surface modeling for spiral bevel gear manufacturing. International Journal of Advanced Manufacturing Technology, 2011, 53, 63-70.	1.5	8
156	Dynamic surface generation modeling of two-dimensional vibration-assisted micro-end-milling. International Journal of Advanced Manufacturing Technology, 2011, 53, 1075-1079.	1.5	37
157	A proteomic analysis of engineered tendon formation under dynamic mechanical loading in vitro. Biomaterials, 2011, 32, 4085-4095.	5.7	40
158	The Flow Field Analysis of the Automotive Power Streering Congtrol Unit's Flow Channel. Advanced Materials Research, 2011, 317-319, 1486-1489.	0.3	1
159	Investigation of a novel green internal cooling in turning application. , 2011, , .		3
160	Optimal Design of Main Parameters for Pumping Unit of Automotive Power Steering Units. Advanced Materials Research, 2011, 199-200, 1441-1444.	0.3	0
161	Virtual Reality Design for Programmable Logic Controller Based Applications. Springer Series in Advanced Manufacturing, 2011, , 437-508.	0.2	0
162	Automation and Control in Manufacturing. Springer Series in Advanced Manufacturing, 2011, , 91-96.	0.2	0

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163	Manufacturing Processes and Systems. Springer Series in Advanced Manufacturing, 2011, , 57-90.	0.2	Ο
164	Virtual Manufacturing for Discrete Manufacturing Systems. Springer Series in Advanced Manufacturing, 2011, , 557-750.	0.2	0
165	Augmented Reality for Mechatronics-Based Applications. Springer Series in Advanced Manufacturing, 2011, , 551-556.	0.2	0
166	Modelling and Analysis of the Temperature Distribution of a Micro-Channel Internally Cooled Smart Cutting Tool in Machining AlSi7. , 2011, , .		0
167	Augmented Reality for Sensors, Transducers and Actuators. Springer Series in Advanced Manufacturing, 2011, , 97-126.	0.2	0
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