

Tony L Schmitz

List of Publications by Year in descending order

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207
papers

4,692
citations

109137

35
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133063

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215
all docs

215
docs citations

215
times ranked

2035
citing authors

#	ARTICLE	IF	CITATIONS
1	Rethinking production of machine tool bases: Polymer additive manufacturing and concrete. Manufacturing Letters, 2022, 31, 33-35.	1.1	0
2	Geometry-based, Gaussian profile model for optical knife-edge displacement sensor. Precision Engineering, 2022, 73, 470-476.	1.8	0
3	Stability Evaluation for a Damped, Constrained-Motion Cutting Force Dynamometer. Journal of Manufacturing and Materials Processing, 2022, 6, 23.	1.0	0
4	A Realistic Full-Scale 3D Modeling of Turning Using Coupled Smoothed Particle Hydrodynamics and Finite Element Method for Predicting Cutting Forces. Journal of Manufacturing and Materials Processing, 2022, 6, 33.	1.0	1
5	Receptance coupling substructure analysis and chatter frequency-informed machine learning for milling stability. CIRP Annals - Manufacturing Technology, 2022, 71, 321-324.	1.7	11
6	Introducing engineering undergraduates to CNC machine tool error compensation. Advances in Industrial and Manufacturing Engineering, 2022, , 100089.	1.2	1
7	Evaluation of automated stability testing in machining through closed-loop control and Bayesian machine learning. Mechanical Systems and Signal Processing, 2022, 181, 109531.	4.4	1
8	Propagation of Johnson-Cook flow stress model uncertainty to milling force uncertainty using finite element analysis and time domain simulation. Procedia Manufacturing, 2021, 53, 223-235.	1.9	3
9	Contributions of scanning metrology uncertainty to milling force prediction. Procedia Manufacturing, 2021, 53, 213-222.	1.9	1
10	Uncertainty Propagation Through An Empirical Model of Cutting Forces in End Milling. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	1.3	3
11	Biologically-inspired rib designs for captured powder damping in additive manufacturing. Manufacturing Letters, 2021, 28, 35-41.	1.1	3
12	Physics-guided logistic classification for tool life modeling and process parameter optimization in machining. Journal of Manufacturing Systems, 2021, 59, 522-534.	7.6	21
13	Combination of structured light scanning and external fiducials for coordinate system transfer in hybrid manufacturing. Journal of Manufacturing Processes, 2021, 68, 1824-1836.	2.8	12
14	Hybrid manufactured dynamometer for cutting force measurement. Manufacturing Letters, 2021, 29, 65-69.	1.1	1
15	Surface prediction and measurement for modulated tool path (MTP) turning. Manufacturing Letters, 2021, 29, 74-78.	1.1	1
16	A Bayesian Framework for Milling Stability Prediction and Reverse Parameter Identification. Procedia Manufacturing, 2021, 53, 760-772.	1.9	8
17	Receptance Coupling. , 2021, , 367-414.		0
18	Model Development by Modal Analysis. , 2021, , 205-253.		0

#	ARTICLE	IF	CITATIONS
19	Cutting force and stability prediction for inserted cutters. <i>Procedia Manufacturing</i> , 2020, 48, 443-451.	1.9	3
20	Damping and mode shape modification for additively manufactured walls with captured powder. <i>Precision Engineering</i> , 2020, 66, 110-124.	1.8	11
21	Uncertainty evaluation for twist drilling stability model. <i>Precision Engineering</i> , 2020, 66, 324-332.	1.8	2
22	Cutting force and stability for inserted cutters using structured light metrology. <i>Procedia CIRP</i> , 2020, 93, 1538-1545.	1.0	2
23	Milling stability identification using Bayesian machine learning. <i>Procedia CIRP</i> , 2020, 93, 1423-1428.	1.0	11
24	Increased damping through captured powder in additive manufacturing. <i>Manufacturing Letters</i> , 2020, 25, 1-5.	1.1	10
25	Digital force prediction for milling. <i>Procedia Manufacturing</i> , 2020, 48, 873-881.	1.9	8
26	Low-cost, constrained-motion dynamometer for milling force measurement. <i>Manufacturing Letters</i> , 2020, 25, 34-39.	1.1	10
27	Modal interactions for spindle, holders, and tools. <i>Procedia Manufacturing</i> , 2020, 48, 457-465.	1.9	7
28	Stability boundary and optimal operating parameter identification in milling using Bayesian learning. <i>Journal of Manufacturing Processes</i> , 2020, 56, 1252-1262.	2.8	29
29	Modeling and simulation of modulated tool path (MTP) turning stability. <i>Manufacturing Letters</i> , 2020, 24, 67-71.	1.1	11
30	Chatter Stability of Machining Operations. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2020, 142, .	1.3	65
31	Milling bifurcations for strongly asymmetric, symmetric, and weakly asymmetric system dynamics. <i>Precision Engineering</i> , 2019, 55, 1-13.	1.8	4
32	Machining Chatter Prediction Using a Data Learning Model. <i>Journal of Manufacturing and Materials Processing</i> , 2019, 3, 45.	1.0	32
33	The sliding friction contact frequency response function. <i>Procedia Manufacturing</i> , 2019, 34, 73-82.	1.9	4
34	Scanning and modeling for non-standard edge geometry endmills. <i>Procedia Manufacturing</i> , 2019, 34, 305-315.	1.9	10
35	Displacement-based dynamometer for milling force measurement. <i>Procedia Manufacturing</i> , 2019, 34, 867-875.	1.9	15
36	Effect of processing parameters on the microstructure and mechanical behavior of a silicon carbide-silica composite. <i>Procedia Manufacturing</i> , 2019, 34, 747-753.	1.9	4

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37	A neural network approach for chatter prediction in turning. <i>Procedia Manufacturing</i> , 2019, 34, 885-892.	1.9	19
38	Effects of a drawbar design and force on multipurpose aerostatic spindle dynamics. <i>International Journal of Machine Tools and Manufacture</i> , 2019, 144, 103424.	6.2	3
39	Multi-point coupling for tool point receptance prediction. <i>Journal of Manufacturing Processes</i> , 2019, 43, 2-11.	2.8	20
40	Pressure Uncertainty Analysis for Wound Irrigation Devices. <i>Mapan - Journal of Metrology Society of India</i> , 2019, 34, 403-411.	1.0	2
41	Manufacturing-Uber: Intelligent Operator Assignment in a Connected Factory. <i>IFAC-PapersOnLine</i> , 2019, 52, 2734-2739.	0.5	3
42	Energy-based friction analysis. <i>Precision Engineering</i> , 2019, 55, 88-94.	1.8	3
43	Machining Dynamics. , 2019, , .		33
44	Surface Location Error in Milling. , 2019, , 213-239.		0
45	Special Topics in Milling. , 2019, , 241-281.		1
46	Turning Dynamics. , 2019, , 67-128.		0
47	Force and Stability Modeling for Non-Standard Edge Geometry Endmills. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2019, 141, .	1.3	14
48	Milling Dynamics. , 2019, , 129-212.		1
49	Tool Point Dynamics Prediction. , 2019, , 283-343.		0
50	Stability analysis of modulated tool path turning. <i>CIRP Annals - Manufacturing Technology</i> , 2018, 67, 49-52.	1.7	12
51	Receptance coupling model for variable dynamics in fixed-free thin rib machining. <i>Procedia Manufacturing</i> , 2018, 26, 173-180.	1.9	7
52	Force modeling for hybrid manufacturing. <i>Procedia Manufacturing</i> , 2018, 26, 790-797.	1.9	4
53	The role of tool presetting in milling stability uncertainty. <i>Procedia Manufacturing</i> , 2018, 26, 164-172.	1.9	8
54	An Insight into Machining of Thermally Stable Bulk Nanocrystalline Metals. <i>Advanced Engineering Materials</i> , 2018, 20, 1800405.	1.6	14

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55	Milling Bifurcations: A Review of Literature and Experiment. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	1.3	26
56	Milling Stability Interrogation by Subharmonic Sampling. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	1.3	25
57	Surface Location Error and Surface Roughness for Period-N Milling Bifurcations. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	1.3	19
58	Compensation of frequency response function measurements by inverse RCSA. International Journal of Machine Tools and Manufacture, 2017, 121, 96-100.	6.2	14
59	Two degree of freedom frequency domain surface location error prediction. Precision Engineering, 2017, 48, 234-242.	1.8	23
60	Analytical solutions for fixed-free beam dynamics in thin rib machining. Journal of Manufacturing Processes, 2017, 30, 41-50.	2.8	13
61	A Numerical and Experimental Investigation of Period-n Bifurcations in Milling. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	1.3	19
62	Periodic Error Compensation in Fiber-coupled Heterodyne Interferometry. Procedia Manufacturing, 2017, 10, 674-682.	1.9	0
63	Amplitude Ratio: A New Metric for Milling Stability Identification. Procedia Manufacturing, 2017, 10, 351-362.	1.9	5
64	A Fundamental Investigation of Modulated Tool Path Turning Mechanics. Procedia Manufacturing, 2017, 10, 159-170.	1.9	10
65	A Study of Milling Surface Quality during Period-2 Bifurcations. Procedia Manufacturing, 2017, 10, 183-193.	1.9	7
66	Fundamentals of Tribology in Machining. , 2017, , 735-747.		0
67	Productivity Progression with Tool Wear in Titanium Milling. Procedia Manufacturing, 2016, 5, 427-441.	1.9	3
68	Experimental Validation of Period-n Bifurcations in Milling. Procedia Manufacturing, 2016, 5, 362-374.	1.9	5
69	Milling Force Modeling: A Comparison of Two Approaches. Procedia Manufacturing, 2016, 5, 90-105.	1.9	43
70	A New Metric for Automated Stability Identification in Time Domain Milling Simulation. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, .	1.3	37
71	Mechanistic force model coefficients: A comparison of linear regression and nonlinear optimization. Precision Engineering, 2016, 45, 311-321.	1.8	47
72	A coupled dynamics, multiple degree of freedom process damping model, Part 2: Milling. Precision Engineering, 2016, 46, 73-80.	1.8	17

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73	Global stability predictions for flexible workpiece milling using time domain simulation. Journal of Manufacturing Systems, 2016, 40, 8-14.	7.6	22
74	A coupled dynamics, multiple degree of freedom process damping model, Part 1: Turning. Precision Engineering, 2016, 46, 65-72.	1.8	14
75	Application of the continuous wavelet transform in periodic error compensation. Precision Engineering, 2016, 44, 245-251.	1.8	11
76	A new tunable dynamics platform for milling experiments. Precision Engineering, 2016, 44, 252-256.	1.8	13
77	Investigation of Retention Knob Geometry on Machining Dynamics. Procedia Manufacturing, 2015, 1, 578-583.	1.9	1
78	On Cutting Force Coefficient Model with Respect to Tool Geometry and Tool Wear. Procedia Manufacturing, 2015, 1, 708-720.	1.9	11
79	The Microphone Feedback Analogy for Chatter in Machining. Shock and Vibration, 2015, 2015, 1-5.	0.3	5
80	The Extended Milling Bifurcation Diagram. Procedia Manufacturing, 2015, 1, 466-476.	1.9	9
81	Radial depth of cut stability lobe diagrams with process damping effects. Precision Engineering, 2015, 40, 318-324.	1.8	21
82	Experimental flapping wing optimization and uncertainty quantification using limited samples. Structural and Multidisciplinary Optimization, 2015, 51, 957-970.	1.7	31
83	Tool wear monitoring using naïve Bayes classifiers. International Journal of Advanced Manufacturing Technology, 2015, 77, 1613-1626.	1.5	82
84	Incentives versus value in manufacturing systems: An application to high-speed milling. Journal of Manufacturing Systems, 2015, 36, 20-26.	7.6	5
85	Improving the Fabrication Process of Micro-Air-Vehicle Flapping Wings. AIAA Journal, 2015, 53, 3039-3048.	1.5	3
86	Control of Lay on Cobalt Chromium Alloy Finished Surfaces Using Magnetic Abrasive Finishing and Its Effect on Wettability. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	1.3	10
87	Bayesian Inference for Milling Stability Using a Random Walk Approach. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	1.3	12
88	Application of Bayesian Inference to Milling Force Modeling. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	1.3	12
89	Optimal Machining Parameter Selection in Titanium Milling Using a Decision Analytic Framework. , 2014, , .		0
90	Analysis of Thrust Production in Small Synthetic Flapping Wings. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 1-8.	0.3	4

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91	Tool life prediction using Bayesian updating. Part 2: Turning tool life using a Markov Chain Monte Carlo approach. Precision Engineering, 2014, 38, 18-27.	1.8	53
92	Value of information-based experimental design: Application to process damping in milling. Precision Engineering, 2014, 38, 799-808.	1.8	9
93	Tool life prediction using Bayesian updating. Part 1: Milling tool life model using a discrete grid method. Precision Engineering, 2014, 38, 9-17.	1.8	49
94	Phase correction for frequency response function measurements. Precision Engineering, 2014, 38, 409-413.	1.8	13
95	Estimation of Cutting Conditions in Precision Micromachining of CuNi Alloys of Varying Composition. Procedia CIRP, 2014, 14, 383-388.	1.0	3
96	Force Measurement and Analysis for Magnetic Field-Assisted Finishing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2013, 135, .	1.3	8
97	Spindle dynamics identification using particle swarm optimization. Journal of Manufacturing Processes, 2013, 15, 444-451.	2.8	19
98	Fabrication and Analysis of Small Flapping Wings. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 337-344.	0.3	3
99	Shear strength evaluation of hydroxide catalysis bonds for glass-glass and glass-aluminum assemblies. Precision Engineering, 2013, 37, 23-32.	1.8	12
100	Analytical process damping stability prediction. Journal of Manufacturing Processes, 2013, 15, 69-76.	2.8	50
101	Remaining Useful Tool Life Predictions Using Bayesian Inference. , 2013, , .		4
102	TOOL LIFE PREDICTION USING RANDOM WALK BAYESIAN UPDATING. Machining Science and Technology, 2013, 17, 410-442.	1.4	12
103	Periodic error correction in heterodyne interferometry. , 2013, , .		2
104	Prediction of remaining useful life for fatigue-damaged structures using Bayesian inference. Engineering Fracture Mechanics, 2012, 96, 588-605.	2.0	45
105	In situ surface hardening during turning via pyrolytic carburization. Precision Engineering, 2012, 36, 668-672.	1.8	2
106	Spindle speed selection for tool life testing using Bayesian inference. Journal of Manufacturing Systems, 2012, 31, 403-411.	7.6	19
107	An Analysis of Polishing Forces in Magnetic Field Assisted Finishing. , 2012, , .		0
108	Characteristics of Cobalt Chromium Alloy Surfaces Finished Using Magnetic Abrasive Finishing. , 2012, , .		2

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109	Receptance Coupling. , 2012, , 321-366.		1
110	Model Development by Modal Analysis. , 2012, , 199-247.		0
111	Mechanical Vibrations. , 2012, , .		32
112	Investigation of spindle bearing preload on dynamics and stability limit in milling. CIRP Annals - Manufacturing Technology, 2012, 61, 343-346.	1.7	51
113	Modeling and experimentation for three-dimensional dynamics of endmills. International Journal of Machine Tools and Manufacture, 2012, 53, 39-50.	6.2	29
114	Periodic error quantification for non-constant velocity motion. Precision Engineering, 2012, 36, 153-157.	1.8	2
115	Spindle dynamics identification for Receptance Coupling Substructure Analysis. Precision Engineering, 2012, 36, 435-443.	1.8	44
116	Sensitivity analysis of periodic errors in heterodyne interferometry. Measurement Science and Technology, 2011, 22, 035305.	1.4	5
117	Three-Dimensional Endmill Dynamics: Modal Development and Experimental Validation. , 2011, , .		0
118	Sensor design and evaluation for on-machine probing of extruded tool joints. Precision Engineering, 2011, 35, 525-535.	1.8	6
119	A tuned holder for increased boring bar dynamic stiffness. Journal of Manufacturing Processes, 2011, 13, 24-29.	2.8	25
120	An interferometric platform for studying AFM probe deflection. Precision Engineering, 2011, 35, 248-257.	1.8	4
121	Low velocity compensation for first order periodic error caused by beam shear. Precision Engineering, 2011, 35, 241-247.	1.8	2
122	In situ monitoring and prediction of progressive joint wear using Bayesian statistics. Wear, 2011, 270, 828-838.	1.5	23
123	Simultaneous normal and torsional force measurement by cantilever surface contour analysis. Measurement Science and Technology, 2011, 22, 055103.	1.4	3
124	Uncertainty in Machining: Workshop Summary and Contributions. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2011, 133, 051009.	1.3	21
125	Evaluation of Contact Force and Elastic Foundation Models for Wear Analysis of Multibody Systems. , 2010, , .		6
126	Combining Process Dynamics and Tool Wear in the Milling Super Diagram. , 2010, , .		0

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127	A Sequential Greedy Search Algorithm With Bayesian Updating for Testing in High-Speed Milling Operations. , 2010, , .		0
128	Comparison Between Elastic Foundation and Contact Force Models in Wear Analysis of Planar Multibody System. Journal of Tribology, 2010, 132, .	1.0	47
129	Periodic error calculation from spectrum analyzer data. Precision Engineering, 2010, 34, 218-230.	1.8	3
130	Torsional and axial frequency response prediction by RCSA. Precision Engineering, 2010, 34, 345-356.	1.8	23
131	A closed form mechanistic cutting force model for helical peripheral milling of ductile metallic alloys. International Journal of Machine Tools and Manufacture, 2010, 50, 538-551.	6.2	23
132	Analysis of planar multibody systems with revolute joint wear. Wear, 2010, 268, 643-652.	1.5	142
133	Modeling a Slider-Crank Mechanism With Joint Wear. SAE International Journal of Passenger Cars - Mechanical Systems, 2009, 2, 600-612.	0.4	6
134	Machining Dynamics. , 2009, , .		81
135	An improved tool-holder model for RCSA tool-point frequency response prediction. Precision Engineering, 2009, 33, 26-36.	1.8	46
136	Closed channel fabrication using micromolding of metallic glass. Journal of Materials Processing Technology, 2009, 209, 4765-4768.	3.1	8
137	First and second order periodic error measurement for non-constant velocity motions. Precision Engineering, 2009, 33, 353-361.	1.8	16
138	Tool Point Dynamics Prediction. , 2009, , 235-287.		0
139	Milling optimisation of removal rate and accuracy with uncertainty: Part 2: parameter variation. International Journal of Materials and Product Technology, 2009, 35, 26.	0.1	2
140	Milling optimisation of removal rate and accuracy with uncertainty: Part 1: parameter selection. International Journal of Materials and Product Technology, 2009, 35, 3.	0.1	14
141	Application of decision analysis to milling profit maximisation: an introduction. International Journal of Materials and Product Technology, 2009, 35, 64.	0.1	9
142	Optimal Experimentation for Selecting Stable Milling Parameters: A Bayesian Approach. , 2009, , .		2
143	Milling Dynamics. , 2009, , 99-171.		3
144	Special Topics in Milling. , 2009, , 199-234.		1

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145	Surface Location Error in Milling. , 2009, , 173-198.		0
146	Case study: A comparison of error sources in high-speed milling. Precision Engineering, 2008, 32, 126-133.	1.8	75
147	Improving optical bench radius measurements using stage error motion data. Applied Optics, 2008, 47, 6692.	2.1	10
148	Improved Positioning Accuracy of the PA10-6CE Robot with Geometric and Flexibility Calibration. IEEE Transactions on Robotics, 2008, 24, 452-456.	7.3	90
149	The Influence of Process Variation on a Cortical Bone Interference Fit Pin Connection. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	1.3	0
150	Dynamic Modeling of a Slider-Crank Mechanism Under Joint Wear. , 2008, , .		8
151	A Robust Semi-Analytical Method for Calculating the Response Sensitivity of a Time Delay System. Journal of Vibration and Acoustics, Transactions of the ASME, 2008, 130, .	1.0	10
152	Bivariate uncertainty analysis for impact testing. Measurement Science and Technology, 2007, 18, 3565-3571.	1.4	36
153	Micromolding three-dimensional amorphous metal structures. Journal of Materials Research, 2007, 22, 339-343.	1.2	37
154	A survey of technical literature on adhesive applications for optics. Proceedings of SPIE, 2007, 6665, 52.	0.8	12
155	Improved analytical chip thickness model for milling. Precision Engineering, 2007, 31, 317-324.	1.8	46
156	Coordinate metrology uncertainty using parallel kinematic techniques. International Journal of Machine Tools and Manufacture, 2007, 47, 658-665.	6.2	3
157	Runout effects in milling: Surface finish, surface location error, and stability. International Journal of Machine Tools and Manufacture, 2007, 47, 841-851.	6.2	148
158	Shrink fit tool holder connection stiffness/damping modeling for frequency response prediction in milling. International Journal of Machine Tools and Manufacture, 2007, 47, 1368-1380.	6.2	116
159	Monte Carlo evaluation of periodic error uncertainty. Precision Engineering, 2007, 31, 251-259.	1.8	10
160	Full Field Displacement Measurements of AFM Cantilevers During Loading. , 2007, , .		0
161	Enhanced Damping in Long Slender End Mills. Journal of Manufacturing Processes, 2006, 8, 39-46.	2.8	28
162	Closed-form solutions for surface location error in milling. International Journal of Machine Tools and Manufacture, 2006, 46, 1369-1377.	6.2	78

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163	Bench-top setup for validation of real time, digital periodic error correction. Precision Engineering, 2006, 30, 306-313.	1.8	5
164	Receptance coupling for dynamics prediction of assemblies with coincident neutral axes. Journal of Sound and Vibration, 2006, 289, 1045-1065.	2.1	50
165	First-order periodic error correction: validation for constant and non-constant velocities with variable error magnitudes. Measurement Science and Technology, 2006, 17, 3195-3203.	1.4	18
166	In Situ Lubrication with Boric Acid: Powder Delivery of an Environmentally Benign Solid Lubricant. Tribology Transactions, 2006, 49, 284-290.	1.1	40
167	An Approach for Micro End Mill Frequency Response Predictions. , 2005, , 1139.		9
168	Radius case study: optical bench measurement and uncertainty including stage error motions. , 2005, 5879, 106.		0
169	An investigation of the dynamic absorber effect in high-speed machining. International Journal of Machine Tools and Manufacture, 2005, 45, 497-507.	6.2	77
170	A Numerical Study of Uncertainty in Stability and Surface Location Error in High-Speed Milling. , 2005, , 387.		3
171	A Study of Linear Joint and Tool Models in Spindle-Holder-Tool Receptance Coupling. , 2005, , 947.		7
172	Three-Component Receptance Coupling Substructure Analysis for Tool Point Dynamics Prediction. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2005, 127, 781-790.	1.3	159
173	Simultaneous Stability and Surface Location Error Predictions in Milling. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2005, 127, 446-453.	1.3	109
174	The Difficulty of Measuring Low Friction: Uncertainty Analysis for Friction Coefficient Measurements. Journal of Tribology, 2005, 127, 673-678.	1.0	121
175	Correcting for stage error motions in radius measurements. Applied Optics, 2005, 44, 5884.	2.1	13
176	Metallic Glass Surface Patterning by Micro-Molding. , 2005, , .		3
177	Receptance Coupling Study of Tool-Length Dependent Dynamic Absorber Effect. , 2004, , 993.		3
178	Simultaneous Optimization of Removal Rate and Part Accuracy in High-Speed Milling. , 2004, , 1001.		11
179	Wear-Rate Uncertainty Analysis. Journal of Tribology, 2004, 126, 802-808.	1.0	87
180	Tool Length-Dependent Stability Surfaces. Machining Science and Technology, 2004, 8, 377-397.	1.4	27

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181	Improved Sensor Data Utility Through Receptance Coupling Modeling. , 2004, , 411.		1
182	The Role of Cutter Eccentricity on Surface Finish and Milling Forces. , 2004, , 1011.		3
183	Chatter recognition by a statistical evaluation of the synchronously sampled audio signal. Journal of Sound and Vibration, 2003, 262, 721-730.	2.1	103
184	An investigation of two unexplored periodic error sources in differential-path interferometry. Precision Engineering, 2003, 27, 311-322.	1.8	22
185	Calibrated Thermal Microscopy of the Tool-Chip Interface in Machining. Machining Science and Technology, 2003, 7, 167-190.	1.4	52
186	Silicon wafer thickness variation measurements using the National Institute of Standards and Technology infrared interferometer. Optical Engineering, 2003, 42, 2281.	0.5	33
187	Comparison of Analytical and Numerical Simulations for Variable Spindle Speed Turning. , 2003, , 41.		16
188	Machining Accuracy Due to Tool or Workpiece Vibrations. , 2003, , 55.		9
189	Defining the measurand in radius of curvature measurements. , 2003, 5190, 134.		9
190	Effects of Radial Immersion and Cutting Direction on Chatter Instability in End-Milling. , 2002, , 351.		71
191	Acousto-optic displacement-measuring interferometer: a new heterodyne interferometer with Ångstrom-level periodic error. Journal of Modern Optics, 2002, 49, 2105-2114.	0.6	32
192	High-speed noninterferometric nanotopographic characterization of Si wafer surfaces. , 2002, , .		12
193	EXPLORING ONCE-PER-REVOLUTION AUDIO SIGNAL VARIANCE AS A CHATTER INDICATOR. Machining Science and Technology, 2002, 6, 215-233.	1.4	73
194	Automatic trimming of machining stability lobes. International Journal of Machine Tools and Manufacture, 2002, 42, 1479-1486.	6.2	9
195	Displacement Uncertainty in Interferometric Radius Measurements. CIRP Annals - Manufacturing Technology, 2002, 51, 451-454.	1.7	37
196	Tool Point Frequency Response Prediction for High-Speed Machining by RCSA. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2001, 123, 700-707.	1.3	181
197	Interferometric testing of photomask substrate flatness. , 2001, , .		2
198	<title>Interferometric figure metrology: enabling in-house traceability</title>. , 2001, 4450, 81.		0

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199	Improving High-Speed Machining Material Removal Rates by Rapid Dynamic Analysis. CIRP Annals - Manufacturing Technology, 2001, 50, 263-268.	1.7	120
200	The application of high-speed CNC machining to prototype production. International Journal of Machine Tools and Manufacture, 2001, 41, 1209-1228.	6.2	30
201	<title>Uncertainties in interferometric measurements of radius of curvature</title> . , 2001, , .		37
202	Predicting High-Speed Machining Dynamics by Substructure Analysis. CIRP Annals - Manufacturing Technology, 2000, 49, 303-308.	1.7	263
203	Dynamic evaluation of spatial CNC contouring accuracy. Precision Engineering, 2000, 24, 99-118.	1.8	29
204	A new sensor for the micrometre-level measurement of three-dimensional, dynamic contours. Measurement Science and Technology, 1999, 10, 51-62.	1.4	13
205	Examination of surface location error due to phasing of cutter vibrations. Precision Engineering, 1999, 23, 51-62.	1.8	68
206	Tool Length-Dependent Stability Surfaces. , 0, .		1
207	Primary Testing of an Instrumented Tool Holder for Brush Deburring of Milled Workpieces. Journal of Machine Engineering, 0, , .	0.9	0