

Jun Ni

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

4,321
citations

39
h-index

58
g-index

141
ext. papers

4,908
ext. citations

4.6
avg, IF

5.82
L-index

#	Paper	IF	Citations
138	A Deep Fuzzy Semi-supervised Approach to Clustering and Fault Diagnosis of Partially Labeled Semiconductor Manufacturing Data. <i>Lecture Notes in Networks and Systems</i> , 2022 , 62-73	0.5	0
137	EveSynclAI: Event Synchronization Industrial Augmented Intelligence for Fault Diagnosis. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2022 , 1-1	2.6	0
136	A dynamic dimensional accumulation with propagations of part mating gaps for series-parallel assembly operations. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021 , 235, 1401-1417	1.3	1
135	Multidisciplinary assessment of blade number and manufacturing parameters for the performance of centrifugal fans. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2021 , 235, 766-782	1.6	0
134	Intelligent Maintenance Systems and Predictive Manufacturing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2020 , 142,	3.3	10
133	Material behavior of rubber sealing for proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 5465-5473	6.7	16
132	A review of friction stirBased processes for joining dissimilar materials. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 104, 1709-1731	3.2	16
131	Where Do We Start? Guidance for Technology Implementation in Maintenance Management for Manufacturing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2019 , 141,	3.3	9
130	Characterizing intestinal strictures of Crohn's disease by endoscopic photoacoustic imaging. <i>Biomedical Optics Express</i> , 2019 , 10, 2542-2555	3.5	16
129	Twofold Variation Propagation Modeling and Analysis for Roll-to-Roll Manufacturing Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 599-612	4.9	6
128	Damage modeling of metallic alloys made by additive manufacturing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 743, 656-664	5.3	14
127	Investigation of micro-drilling using electrochemical discharge machining with counter resistant feeding. <i>Journal of Materials Processing Technology</i> , 2018 , 257, 141-147	5.3	20
126	Friction Stir Resistance Spot Welding of Aluminum Alloy to Advanced High Strength Steel. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2018 , 140,	3.3	5
125	A study on the effect of energy input on spatter particles creation during selective laser melting process. <i>Additive Manufacturing</i> , 2018 , 20, 33-43	6.1	55
124	Experimental investigation of magnetohydrodynamic effect in electrochemical discharge machining. <i>International Journal of Mechanical Sciences</i> , 2018 , 142-143, 86-96	5.5	27
123	Event-Based Supervisory Control for Energy Efficient Manufacturing Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 92-103	4.9	22
122	Micromechanics modeling of metallic alloys 3D printed by selective laser melting. <i>Materials and Design</i> , 2018 , 137, 204-213	8.1	33

121	Toward in vivo dosimetry in external beam radiotherapy using x-ray acoustic computed tomography: A soft-tissue phantom study validation. <i>Medical Physics</i> , 2018 , 45, 4191	4.4	15
120	Identifying intestinal fibrosis and inflammation by spectroscopic photoacoustic imaging: an animal study. <i>Biomedical Optics Express</i> , 2018 , 9, 1590-1600	3.5	19
119	Material Flow Visualization of Dissimilar Friction STIR Welding Process Using Nano-Computed Tomography. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2018 , 140,	3.3	4
118	Three-Dimensional Inner Surface Inspection System Based on Circle-Structured Light. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2018 , 140,	3.3	6
117	Contact resistance prediction of proton exchange membrane fuel cell considering fabrication characteristics of metallic bipolar plates. <i>Energy Conversion and Management</i> , 2018 , 169, 334-344	10.6	36
116	Continuous fabrication of nanostructure arrays for flexible surface enhanced Raman scattering substrate. <i>Scientific Reports</i> , 2017 , 7, 39814	4.9	42
115	Computational Fluid Dynamics Modeling on Steady-State Friction Stir Welding of Aluminum Alloy 6061 to TRIP Steel. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2017 , 139,	3.3	20
114	Efficient hydrothermal hydrodeoxygenation of triglycerides with in situ generated hydrogen for production of diesel-like hydrocarbons. <i>Catalysis Communications</i> , 2017 , 90, 47-50	3.2	11
113	Continuous Fabrication of Highly Conductive and Transparent Ag Mesh Electrodes for Flexible Electronics. <i>IEEE Nanotechnology Magazine</i> , 2017 , 16, 687-694	2.6	19
112	Effects of Process Parameters on Friction Stir Spot Welding of Aluminum Alloy to Advanced High-Strength Steel. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2017 , 139,	3.3	10
111	Flexible Semiconductor Technologies with Nanoholes-Provided High Areal Coverages and Their Application in Plasmonic-Enhanced Thin Film Photovoltaics. <i>Scientific Reports</i> , 2017 , 7, 13155	4.9	8
110	Electrically Assisted Friction Stir Spot Welding of Aluminum Alloy to Advanced High Strength Steel 2017 ,		3
109	Spatter formation in selective laser melting process using multi-laser technology. <i>Materials and Design</i> , 2017 , 131, 460-469	8.1	82
108	The tool electrode investigation of electrostatic field-induced electrolyte jet (E-jet) electrical discharge machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 82, 1455-1461	3.2	5
107	Microstructural evolution during friction stir welding of dissimilar aluminum alloy to advanced high-strength steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 82, 2183-2193	3.2	50
106	Continuous catalytic upgrading of ethanol to n-butanol over Cu-CeO/AC catalysts. <i>Chemical Communications</i> , 2016 , 52, 13749-13752	5.8	40
105	Supported ionic-liquid-phase-stabilized Au(III) catalyst for acetylene hydrochlorination. <i>Catalysis Science and Technology</i> , 2016 , 6, 3263-3270	5.5	52
104	Lewis Acid Sites Stabilized Nickel Catalysts for Dry (CO ₂) Reforming of Methane. <i>ChemCatChem</i> , 2016 , 8, 3732-3739	5.2	29

103	Characterizing intestinal inflammation and fibrosis in Crohn's disease by photoacoustic imaging: feasibility study. <i>Biomedical Optics Express</i> , 2016 , 7, 2837-48	3.5	28
102	Ultra-low Ru-promoted CuCl ₂ as highly active catalyst for the hydrochlorination of acetylene. <i>RSC Advances</i> , 2015 , 5, 38159-38163	3.7	30
101	Activated carbon supported ternary gold-cesium(I)-indium(III) catalyst for the hydrochlorination of acetylene. <i>Catalysis Science and Technology</i> , 2015 , 5, 4973-4984	5.5	28
100	Catalytic hydrogenation of sulfur-containing nitrobenzene over Pd/C catalysts: In situ sulfidation of Pd/C for the preparation of Pd _x S _y catalysts. <i>Applied Catalysis A: General</i> , 2015 , 497, 17-21	5.1	22
99	Activated-Carbon-Supported Gold-Cesium(I) as Highly Effective Catalysts for Hydrochlorination of Acetylene to Vinyl Chloride. <i>ChemPlusChem</i> , 2015 , 80, 196-201	2.8	65
98	Manufacturing productivity and energy efficiency: a stochastic efficiency frontier analysis. <i>International Journal of Energy Research</i> , 2015 , 39, n/a-n/a	4.5	7
97	Electrically assisted friction stir welding for joining Al 6061 to TRIP 780 steel. <i>Journal of Materials Processing Technology</i> , 2015 , 219, 112-123	5.3	84
96	Nitrogen-modified activated carbon supported bimetallic gold-cesium(I) as highly active and stable catalyst for the hydrochlorination of acetylene. <i>RSC Advances</i> , 2015 , 5, 6925-6931	3.7	37
95	Modeling and experimental investigation of gas film in micro-electrochemical discharge machining process. <i>International Journal of Machine Tools and Manufacture</i> , 2015 , 90, 8-15	9.4	45
94	Operating load based real-time rolling grey forecasting for machine health prognosis in dynamic maintenance schedule. <i>Journal of Intelligent Manufacturing</i> , 2015 , 26, 269-280	6.7	33
93	Enhancement of Au/AC acetylene hydrochlorination catalyst activity and stability via nitrogen-modified activated carbon support. <i>Chemical Engineering Journal</i> , 2015 , 262, 1152-1160	14.7	88
92	Progress in Synthesis of Highly Active and Stable Nickel-Based Catalysts for Carbon Dioxide Reforming of Methane. <i>ChemSusChem</i> , 2015 , 8, 3556-75	8.3	261
91	Experimental Investigation on Joining Dissimilar Aluminum Alloy 6061 to TRIP 780/800 Steel Through Friction Stir Welding. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2015 , 137,	1.8	8
90	Deactivation of Pd/SiO ₂ catalyst in the continuous liquid-phase selective hydrogenation of an unsaturated ketone. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015 , 116, 451-466	1.6	1
89	Thermal Mechanical Modeling of the Plunge Stage During Friction-Stir Welding of Dissimilar Al 6061 to TRIP 780 Steel. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2015 , 137,	3.3	28
88	Prediction of Passive Maintenance Opportunity Windows on Bottleneck Machines in Complex Manufacturing Systems. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2015 , 137,	3.3	33
87	Analysis of process parameters effects on friction stir welding of dissimilar aluminum alloy to advanced high strength steel. <i>Materials & Design</i> , 2014 , 59, 50-62		205
86	Experimental investigation of spark generation in electrochemical discharge machining of non-conducting materials. <i>Journal of Materials Processing Technology</i> , 2014 , 214, 892-898	5.3	64

85	Geometric effect of Ru/HSAG@mSiO ₂ : a catalyst for selective hydrogenation of cinnamaldehyde. <i>RSC Advances</i> , 2014 , 4, 30180-30185	3.7	14
84	Modified iterative aggregation procedure for maintenance optimisation of multi-component systems with failure interaction. <i>International Journal of Systems Science</i> , 2014 , 45, 2480-2489	2.3	11
83	Influence of Surface Chemistry of Activated Carbon on the Activity of Gold/Activated Carbon Catalyst in Acetylene Hydrochlorination. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 14272-14281	3.9	49
82	Ir promotion of TiO ₂ supported Au catalysts for selective hydrogenation of cinnamaldehyde. <i>Catalysis Communications</i> , 2014 , 54, 72-76	3.2	38
81	Forecasting product returns for remanufacturing systems. <i>Journal of Remanufacturing</i> , 2014 , 4, 1	2.6	11
80	Threshold-type admission policy for remanufacturing systems 2014 ,		1
79	Discovery of hidden maintenance opportunities in automotive assembly lines: MOW and GMOW. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 68, 2611-2623	3.2	1
78	Joint decision making for maintenance and production scheduling of production systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 66, 1135-1146	3.2	21
77	Prediction of grinding force in microgrinding of ceramic materials by cohesive zone-based finite element method. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 68, 1039-1053	3.2	23
76	Tailoring supported palladium sulfide catalysts through H ₂ -assisted sulfidation with H ₂ S. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12811	13	49
75	High performance of Mg ₂ Al mixed oxides supported Ni catalysts for dry reforming of methane: The effect of crystal structure. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 13631-13642	6.7	87
74	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013 , 10, 76-85	4.9	40
73	Hidden maintenance opportunities in discrete and complex production lines. <i>Expert Systems With Applications</i> , 2013 , 40, 4353-4361	7.8	22
72	Experimental study of Electro-Plastic Effect on Advanced High Strength Steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 582, 211-218	5.3	43
71	Ensemble Noise-Reconstructed Empirical Mode Decomposition for Mechanical Fault Detection. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2013 , 135,	1.6	13
70	Joint Production and Preventive Maintenance Strategy for Manufacturing Systems With Stochastic Demand. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2013 , 135,	3.3	11
69	An improved LMI-based approach for stability of piecewise affine time-delay systems with uncertainty. <i>International Journal of Control</i> , 2012 , 85, 1218-1234	1.5	7
68	Investigation of sintered stainless steel fiber felt as gas diffusion layer in proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 11334-11344	6.7	40

67	Carbon deposition on borated alumina supported nano-sized Ni catalysts for dry reforming of CH ₄ . <i>Nano Energy</i> , 2012 , 1, 674-686	17.1	104
66	Modeling of the Anode Crater Formation in Electrical Discharge Machining. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2012 , 134,	3.3	50
65	Molecular dynamics simulations of plastic material deformation in machining with a round cutting edge. <i>International Journal of Precision Engineering and Manufacturing</i> , 2012 , 13, 1303-1309	1.7	19
64	Decision support systems for effective maintenance operations. <i>CIRP Annals - Manufacturing Technology</i> , 2012 , 61, 411-414	4.9	71
63	Estimation of Milling Tool Temperature Considering Coolant and Wear. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2012 , 134,	3.3	13
62	Genetic Algorithm for Job Scheduling with Maintenance Consideration in Semiconductor Manufacturing Process. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-16	1.1	0
61	Extension of Maintenance Opportunity Windows to General Manufacturing Systems 2012 ,		2
60	DeviceNet network health monitoring using physical layer parameters. <i>Journal of Intelligent Manufacturing</i> , 2011 , 22, 289-299	6.7	12
59	A finite element based model for electrochemical discharge machining in discharge regime. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 54, 987-995	3.2	43
58	Optimal control of reassembly with variable quality returns in a product remanufacturing system. <i>CIRP Annals - Manufacturing Technology</i> , 2011 , 60, 25-28	4.9	43
57	Characterization of Surface Acidity of Carbonated Materials by IR-Sensitive Molecular Probes: Advantages of Using tert-Butyl Cyanide. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24931-24936	3.8	11
56	Electrochemical discharge dressing of metal bond micro-grinding tools. <i>International Journal of Machine Tools and Manufacture</i> , 2011 , 51, 165-168	9.4	23
55	Identification of sensor-only MIMO pseudo transfer functions 2011 ,		5
54	Tool Path Planning for Near-Dry EDM Milling With Lead Angle on Curved Surfaces. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2011 , 133,	3.3	10
53	A Numerical Model for Predicting Gas Diffusion Layer Failure in Proton Exchange Membrane Fuel Cells. <i>Journal of Fuel Cell Science and Technology</i> , 2011 , 8,		27
52	B-Spline Wavelet-Based Multiresolution Analysis of Surface Texture in End-Milling of Aluminum. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2011 , 133,	3.3	5
51	Sensor-only fault detection using pseudo transfer function identification 2010 ,		4
50	Online Degradation Assessment and Adaptive Fault Detection Using Modified Hidden Markov Model. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2010 , 132,	3.3	26

49	Chatter Detection in Machining Using Nonlinear Energy Operator. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010 , 132,	1.6	14
48	Production line simulation using STPN for maintenance scheduling. <i>Journal of Intelligent Manufacturing</i> , 2010 , 21, 213-221	6.7	9
47	DeviceNet reliability assessment using physical and data link layer parameters. <i>Quality and Reliability Engineering International</i> , 2010 , 26, 703-715	2.6	8
46	Growing Structure Multiple Model Systems for Anomaly Detection and Fault Diagnosis. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2009 , 131,	1.6	14
45	Pressure Welding of Thin Sheet Metals: Experimental Investigations and Analytical Modeling. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2009 , 131,	3.3	9
44	Condition-Based Maintenance Decision-Making for Multiple Machine Systems. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2009 , 131,	3.3	19
43	A new method for grinder dressing fault mitigation using real-time peak detection. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 45, 470-480	3.2	2
42	Option model for joint production and preventive maintenance system. <i>International Journal of Production Economics</i> , 2009 , 119, 347-353	9.3	54
41	Short-term decision support system for maintenance task prioritization. <i>International Journal of Production Economics</i> , 2009 , 121, 195-202	9.3	40
40	A divide and conquer approach to anomaly detection, localization and diagnosis. <i>Mechanical Systems and Signal Processing</i> , 2009 , 23, 2488-2499	7.8	24
39	Plant-level maintenance decision support system for throughput improvement. <i>International Journal of Production Research</i> , 2009 , 47, 7047-7061	7.8	23
38	Data driven bottleneck detection of manufacturing systems. <i>International Journal of Production Research</i> , 2009 , 47, 5019-5036	7.8	116
37	Real time production improvement through bottleneck control. <i>International Journal of Production Research</i> , 2009 , 47, 6145-6158	7.8	45
36	Optimized maintenance design for manufacturing performance improvement using simulation 2008 ,		9
35	Fabrication of High Aspect Ratio Porous Microfeatures Using Hot Compaction Technique. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2008 , 130,	3.3	1
34	Experimental and Numerical Investigations on Microcoining of Stainless Steel 304. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2008 , 130,	3.3	26
33	Robust Machine Tool Thermal Error Modeling Through Thermal Mode Concept. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2008 , 130,	3.3	30
32	Experimental Study of the Dry and Near-Dry Electrical Discharge Milling Processes. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2008 , 130,	3.3	125

31	Maintenance scheduling in manufacturing systems based on predicted machine degradation. <i>Journal of Intelligent Manufacturing</i> , 2008 , 19, 87-98	6.7	90
30	Dimensional errors of rollers in the stream of variation modeling in cold roll forming process of quadrate steel tube. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 37, 1082-1092	3.2	14
29	Reliability estimation based on operational data of manufacturing systems. <i>Quality and Reliability Engineering International</i> , 2008 , 24, 843-854	2.6	22
28	A mechanical-electrical finite element method model for predicting contact resistance between bipolar plate and gas diffusion layer in PEM fuel cells. <i>Journal of Power Sources</i> , 2008 , 182, 153-159	8.9	82
27	Methane steam reforming for hydrogen production using low water-ratios without carbon formation over ceria coated Ni catalysts. <i>Applied Catalysis A: General</i> , 2008 , 345, 119-127	5.1	92
26	Bottleneck Detection of Manufacturing Systems Using Data Driven Method 2007 ,		23
25	Maintenance staffing management. <i>Journal of Intelligent Manufacturing</i> , 2007 , 18, 351-360	6.7	21
24	Diagnosibility and sensitivity analysis for multi-station machining processes. <i>International Journal of Machine Tools and Manufacture</i> , 2007 , 47, 646-657	9.4	30
23	Maintenance scheduling for a manufacturing system of machines with adjustable throughput. <i>IIE Transactions</i> , 2007 , 39, 1111-1125		21
22	Integrated reconfiguration and age-based preventive maintenance decision making. <i>IIE Transactions</i> , 2007 , 39, 1085-1102		23
21	Maintenance Opportunity Planning System. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007 , 129, 661-668	3.3	68
20	Supervisory Factory Control Based on Real-Time Production Feedback. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007 , 129, 653-660	3.3	42
19	Modeling of the Size Effects on the Behavior of Metals in Microscale Deformation Processes. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007 , 129, 470-476	3.3	98
18	Modeling of the Semi-Solid Material Behavior and Analysis of Micro-/Mesoscale Feature Forming. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007 , 129, 237-245	3.3	9
17	Maintenance Priority Assignment Utilizing On-line Production Information. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007 , 129, 435-446	3.3	29
16	Immune Systems Inspired Approach to Anomaly Detection and Fault Diagnosis for Engines. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		4
15	A New Method for Sensor Degradation Detection, Isolation and Compensation in Linear Systems 2007 , 1089		2
14	Laser Interferometry Hologram Registration for Three-Dimensional Precision Measurements. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2006 , 128, 1006-1013	3.3	20

13	The location of the maximum temperature on the cutting edges of a drill. <i>International Journal of Machine Tools and Manufacture</i> , 2006 , 46, 901-907	9-4	47
12	Micro/Meso-scale Manufacturing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2004 , 126, 641-641	3-3	4
11	Measurement Scheme Synthesis in Multi-Station Machining Systems. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2004 , 126, 178-188	3-3	25
10	Extended Influence Coefficient Method for Rotor Active Balancing During Acceleration. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2004 , 126, 219-223	1.6	11
9	Dimensional Errors of Fixtures, Locating and Measurement Datum Features in the Stream of Variation Modeling in Machining. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2003 , 125, 716-730	3-3	53
8	Prediction of Coolant Pressure and Volume Flow Rate in the Gundrilling Process. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2003 , 125, 696-702	3-3	11
7	Non-stationary signal analysis and transient machining process condition monitoring. <i>International Journal of Machine Tools and Manufacture</i> , 2002 , 42, 41-51	9-4	21
6	A Method for Measuring the Temperature Distribution Along the Cutting Edges of a Drill. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2002 , 124, 921-923	3-3	36
5	Time-Frequency Based Sensor Fusion in the Assessment and Monitoring of Machine Performance Degradation 2002 , 15		26
4	A Model for Predicting the Heat Flow into the Workpiece in Dry Drilling. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2002 , 124, 773-777	3-3	44
3	511 EXPERIMENTAL CHARACTERIZATION OF STRUCTURAL DYNAMICS OF MICRO/MESO-SCALE MACHINE TOOL (mMT). <i>The Proceedings of the JSME Materials and Processing Conference (M&P)</i> , 2002 , 10.1, 324-330		
2	The effects of thermal distortions on the diameter and cylindricity of dry drilled holes. <i>International Journal of Machine Tools and Manufacture</i> , 2001 , 41, 2261-2270	9-4	65
1	Machine Learning for Diagnosis of Event Synchronization Faults in Discrete Manufacturing Systems. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 1-31	3-3	2