

Wing Bun Lee

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.

247
papers

5,087
citations

38
h-index

59
g-index

265
ext. papers

5,722
ext. citations

4.1
avg, IF

5.65
L-index

#	Paper	IF	Citations
247	Carbide-bonded graphene-based Joule heating for embossing fine microstructures on optical glass. <i>Applied Surface Science</i> , 2020 , 500, 144004	6.7	7
246	Effect of molding machine stiffness on the thickness of molded glass rings. <i>International Journal of Applied Glass Science</i> , 2019 , 10, 584-597	1.8	3
245	Al6061 surface roughness and optical reflectance when machined by single point diamond turning at a low feed rate. <i>PLoS ONE</i> , 2018 , 13, e0195083	3.7	5
244	Structure of graphene and its disorders: a review. <i>Science and Technology of Advanced Materials</i> , 2018 , 19, 613-648	7.1	196
243	Material Electropulsing Treatment and Characterisation of Machinability 2018 , 105-145		
242	Tool-Tip Vibration at High Frequencies 2018 , 219-251		
241	Factors Influencing Machined Surface Quality 2018 , 7-20		
240	Spectral analysis of surface roughness features of a lapped ultraprecision single-point diamond machined surface. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 88, 1407-1415	3.2	2
239	Investigation on the formation of surface defects of OFHC copper in diamond micro-grooving process. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 93, 4133-4141	3.2	4
238	Investigation of the surface profile along the cutting trajectory and its correlation with cutting forces in single point diamond turning. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 89, 1327-1338	3.2	2
237	Monitoring life of diamond tool in ultra-precision machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 82, 1141-1152	3.2	4
236	Novel corrective machining method to fine-tune groove widths. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 2729-2737	3.2	
235	A study of cutting factors affecting the generation of functional hierarchical rib array structure in ultra-precision raster milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 86, 989-998	3.2	5
234	Use of nano-droplet-enriched cutting fluid (NDCF) in ultra-precision machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 84, 2047-2054	3.2	2
233	Effect of cutting parameters on heat generation in ultra-precision milling of aluminum alloy 6061. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 80, 1265-1275	3.2	18
232	Knowledge-based extraction of intellectual capital-related information from unstructured data. <i>Expert Systems With Applications</i> , 2014 , 41, 1315-1325	7.8	31
231	A methodological approach to optimizing RFID deployment. <i>Information Systems Frontiers</i> , 2014 , 16, 923-937	4	6

230	Enhancement of surface finish using water-miscible nano-cutting fluid in ultra-precision turning. <i>International Journal of Machine Tools and Manufacture</i> , 2013 , 73, 62-70	9.4	50
229	Finite element modelling of shear angle and cutting force variation induced by material anisotropy in ultra-precision diamond turning. <i>International Journal of Machine Tools and Manufacture</i> , 2013 , 75, 82-86	9.4	30
228	Product Family Design Through Ontology-Based Faceted Component Analysis, Selection, and Optimization. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2013 , 135,	3	20
227	A Study of Effect of Cutting Strategy on Surface Generation in Ultra-Precision Machining of Micro-Structured Pattern Rollers. <i>Key Engineering Materials</i> , 2013 , 552, 575-585	0.4	3
226	An unstructured information management system (UIMS) for emergency management. <i>Expert Systems With Applications</i> , 2012 , 39, 12743-12758	7.8	21
225	Learning the "Whys" Discovering design rationale using text mining [An algorithm perspective. <i>CAD Computer Aided Design</i> , 2012 , 44, 916-930	2.9	33
224	Cutting Characteristics of Lanthanum Base Metallic Glass in Single Point Diamond Turning. <i>Key Engineering Materials</i> , 2012 , 516, 651-655	0.4	1
223	Nonlinear Dynamics of Tool Vibration in Micro-Cutting. <i>Key Engineering Materials</i> , 2012 , 516, 645-650	0.4	
222	Applications of Ultra-Precision Free-Form Machining Technology to Advanced Optics. <i>Materials Science Forum</i> , 2011 , 697-698, 834-837	0.4	1
221	Critical elements and lessons learnt from the implementation of an RFID-enabled healthcare management system in a medical organization. <i>Journal of Medical Systems</i> , 2011 , 35, 657-69	5.1	66
220	Experiences sharing of implementing Template-based Electronic Medical Record System (TEMRS) in a Hong Kong medical organization. <i>Journal of Medical Systems</i> , 2011 , 35, 1605-15	5.1	8
219	A multi-faceted and automatic knowledge elicitation system (MAKES) for managing unstructured information. <i>Expert Systems With Applications</i> , 2011 , 38, 5245-5258	7.8	11
218	A methodology for building a semantically annotated multi-faceted ontology for product family modelling. <i>Advanced Engineering Informatics</i> , 2011 , 25, 147-161	7.4	50
217	Characterization of freeform optics in automotive lighting systems using an Optical Geometrical Feature Based Method. <i>Optik</i> , 2011 , 122, 358-363	2.5	12
216	Dynamic modelling of shear band formation and tool-tip vibration in ultra-precision diamond turning. <i>International Journal of Machine Tools and Manufacture</i> , 2011 , 51, 512-519	9.4	29
215	A hybrid knowledge-based approach to supporting the medical prescription for general practitioners: Real case in a Hong Kong medical center. <i>Knowledge-Based Systems</i> , 2011 , 24, 444-456	7.3	29
214	A Study of Wear Characteristics of Superpolished Orthopaedic Implant Materials Using Ultra-Precision Polishing. <i>Key Engineering Materials</i> , 2010 , 447-448, 111-115	0.4	
213	Analysis of surface generation in the ultraprecision polishing of freeform surfaces. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2010 , 224, 59-73	2.4	32

212	Analysis of surface generation in ultra-precision machining with a fast tool servo. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2010 , 224, 1351-1367	2.4	20
211	A study of the relevant effects on the maximum residual stress in the precision injection moulding of microlens arrays. <i>Journal of Micromechanics and Microengineering</i> , 2010 , 20, 035033	2	12
210	An Integrated Manufacturing System for the Design, Fabrication, and Measurement of Ultra-Precision Freeform Optics. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2010 , 33, 244-254		4
209	Assessing Knowledge Assets: Knowledge Audit of a Social Service Organization in Hong Kong. <i>Administration in Social Work</i> , 2010 , 34, 361-383		6
208	Dynamic Electropulsing Induced Phase Transformations in a Furnace Cooled Zn-Al Based Alloy (ZA22). <i>Materials Transactions</i> , 2010 , 51, 1997-2004	1.3	2
207	A New Design Rationale Representation Model for Rationale Mining. <i>Journal of Computing and Information Science in Engineering</i> , 2010 , 10,	2.4	20
206	A study of the cutting-induced heating effect on the machined surface in ultra-precision raster milling of 6061 Al alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 51, 69-78	3.2	24
205	Optical design of a freeform TIR lens for LED streetlight. <i>Optik</i> , 2010 , 121, 1761-1765	2.5	44
204	Ultra-precision raster milling-induced phase decomposition and plastic deformation at the surface of a ZnAl-based alloy. <i>Scripta Materialia</i> , 2010 , 62, 101-104	5.6	15
203	A study of regularly spaced shear bands and morphology of serrated chip formation in microcutting process. <i>Scripta Materialia</i> , 2010 , 63, 227-230	5.6	24
202	Multi-facet product information search and retrieval using semantically annotated product family ontology. <i>Information Processing and Management</i> , 2010 , 46, 479-493	6.3	30
201	Characterization of surface generation of optical microstructures using a pattern and feature parametric analysis method. <i>Precision Engineering</i> , 2010 , 34, 755-766	2.9	19
200	Elastic strain induced shear bands in the microcutting process. <i>International Journal of Machine Tools and Manufacture</i> , 2010 , 50, 9-18	9.4	27
199	A theoretical and experimental investigation of the tool-tip vibration and its influence upon surface generation in single-point diamond turning. <i>International Journal of Machine Tools and Manufacture</i> , 2010 , 50, 241-252	9.4	90
198	Simulation of micro-indentation hardness of FCC single crystals by mechanism-based strain gradient crystal plasticity. <i>International Journal of Plasticity</i> , 2010 , 26, 1527-1540	7.6	61
197	Design and development of a mobile EPC-RFID-based self-validation system (MESS) for product authentication. <i>Computers in Industry</i> , 2010 , 61, 624-635	11.6	27
196	CASESIAN: A knowledge-based system using statistical and experiential perspectives for improving the knowledge sharing in the medical prescription process. <i>Expert Systems With Applications</i> , 2010 , 37, 5336-5346	7.8	9
195	RACER: Rule-Associated Case-based Reasoning for supporting General Practitioners in prescription making. <i>Expert Systems With Applications</i> , 2010 , 37, 8079-8089	7.8	20

194	Crystallographic homogenization finite element method and its application on simulation of evolution of plastic deformation induced texture. <i>Acta Mechanica Solida Sinica</i> , 2010 , 23, 36-48	2	5
193	Product Analysis and Variants Derivation Based on a Semantically Annotated Product Family Ontology 2009 ,		3
192	Using semantic annotation for ontology based decision support in product family design 2009 ,		1
191	Measuring ultra-precision freeform surfaces using a hybrid fitting and matching method. <i>Measurement Science and Technology</i> , 2009 , 20, 105103	2	9
190	Microstructural characterization of an ultra-precision-machined surface of a ZnAl alloy. <i>Journal of Micromechanics and Microengineering</i> , 2009 , 19, 054005	2	5
189	A design rationale representation model using patent documents 2009 ,		3
188	Faceted search and retrieval based on semantically annotated product family ontology 2009 ,		9
187	Modeling and simulation of supply network evolution based on complex adaptive system and fitness landscape. <i>Computers and Industrial Engineering</i> , 2009 , 56, 839-853	6.4	33
186	An ontology-based similarity measurement for problem-based case reasoning. <i>Expert Systems With Applications</i> , 2009 , 36, 6574-6579	7.8	20
185	A computational narrative construction method with applications in organizational learning of social service organizations. <i>Expert Systems With Applications</i> , 2009 , 36, 8093-8102	7.8	1
184	Wear characteristics of diamond tool in ultraprecision raster milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 44, 638-647	3.2	13
183	Effects of current density on electropulsing-induced phase transformations in a ZnAl based alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 96, 939-944	2.6	22
182	Effects of dynamic electropulsing on microstructure and elongation of a ZnAl alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 501, 125-132	5.3	110
181	Numerical simulation of residual stress and birefringence in the precision injection molding of plastic microlens arrays. <i>International Communications in Heat and Mass Transfer</i> , 2009 , 36, 213-219	5.8	20
180	Birefringence techniques for the characterization of residual stresses in injection-moulded micro-lens arrays. <i>Polymer Testing</i> , 2009 , 28, 709-714	4.5	28
179	An investigation into surface generation in ultra-precision raster milling. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 4178-4185	5.3	37
178	Dispersed Network Manufacturing: An Emerging Form of Collaboration Networks 2009 , 39-58		5
177	Knowledge elicitation in reliability management in the airline industry. <i>Journal of Knowledge Management</i> , 2009 , 13, 35-48	7.3	16

176	Effects of Dynamic Electropulsing on Phase Transformation of a Zn-Al Based Alloy. <i>Materials Transactions</i> , 2009 , 50, 1105-1112	1.3	21
175	Effects of Current Density on Elongation of an Electropulsing Treated Zn-Al Based Alloy. <i>Materials Transactions</i> , 2009 , 50, 2772-2777	1.3	14
174	Mining knowledge from natural language texts using fuzzy associated concept mapping. <i>Information Processing and Management</i> , 2008 , 44, 1707-1719	6.3	23
173	FINITE ELEMENT MODELLING OF MICRO-CUTTING PROCESSES FROM CRYSTAL PLASTICITY. <i>International Journal of Modern Physics B</i> , 2008 , 22, 5943-5948	1.1	6
172	Microstructural changes at the ultra-precision machined surface of Zn-Al based alloy. <i>International Journal of Materials Research</i> , 2008 , 99, 307-312	0.5	
171	Microstructural Changes at the Ultra-Precision Raster Milled Surface of Zn-Al Based Alloy. <i>Materials Transactions</i> , 2008 , 49, 698-703	1.3	5
170	Theoretical and experimental analysis of nano-surface generation in ultra-precision raster milling. <i>International Journal of Machine Tools and Manufacture</i> , 2008 , 48, 1090-1102	9.4	50
169	Self-associated concept mapping for representation, elicitation and inference of knowledge. <i>Knowledge-Based Systems</i> , 2008 , 21, 52-61	7.3	16
168	Effects of cutting depth on the surface microstructure of a Zn-Al alloy during ultra-precision machining. <i>Applied Surface Science</i> , 2008 , 254, 1559-1564	6.7	9
167	A kinematics and experimental analysis of form error compensation in ultra-precision machining. <i>International Journal of Machine Tools and Manufacture</i> , 2008 , 48, 1408-1419	9.4	58
166	Microscopic machining mechanism of polishing based on vibrations of liquid. <i>Nanotechnology</i> , 2007 , 18, 105703	3.4	6
165	An integrated form characterization method for measuring ultra-precision freeform surfaces. <i>International Journal of Machine Tools and Manufacture</i> , 2007 , 47, 81-91	9.4	32
164	A strategic knowledge-based planning system for freight forwarding industry. <i>Expert Systems With Applications</i> , 2007 , 33, 936-954	7.8	18
163	A dynamic logistics process knowledge-based system [An RFID multi-agent approach. <i>Knowledge-Based Systems</i> , 2007 , 20, 357-372	7.3	76
162	Influence of initial texture on formability of aluminum sheet metal by crystal plasticity FE simulation. <i>Journal of Materials Processing Technology</i> , 2007 , 192-193, 397-403	5.3	14
161	Use of EBSD to identify phases in interdendrite region of a cast Zn-Al-based alloy (ZA27). <i>Journal of Microscopy</i> , 2007 , 225, 170-4	1.9	4
160	Knowledge-based treatment planning for adolescent early intervention of mental healthcare: a hybrid case-based reasoning approach. <i>Expert Systems</i> , 2007 , 24, 232-251	2.1	26
159	Systematic Knowledge Auditing: A Case Study in a Power Utility Company. <i>Journal of Information and Knowledge Management</i> , 2007 , 06, 231-239	0.9	4

158	A Study of Knowledge-Based Simulation for Enterprise Resources Planning. <i>Journal of Information and Knowledge Management</i> , 2007 , 06, 241-249	0.9	
157	Knowledge management approach in build-to-order supply chains. <i>Industrial Management and Data Systems</i> , 2007 , 107, 882-919	3.6	18
156	A Dynamic RFID-Based Mobile Monitoring System in Animal Care Management Over a Wireless Network 2007 ,		5
155	A Framework of an Integrated Platform for Modelling and Measurement of Freeform Surface Generation in Ultra-Precision Raster Milling. <i>Key Engineering Materials</i> , 2007 , 339, 422-426	0.4	2
154	VSPDT: An Optimizer for Single Point Diamond Turning. <i>Key Engineering Materials</i> , 2007 , 339, 447-452	0.4	
153	A RFID based knowledge management systems - an intelligent approach for managing logistics processes. <i>Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on</i> , 2007 ,		1
152	Development of a virtual machining and inspection system for ultra-precision diamond turning. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2007 , 221, 1153-1174	2.4	7
151	Measuring optical freeform surfaces using a coupled reference data method. <i>Measurement Science and Technology</i> , 2007 , 18, 2252-2260	2	16
150	Qualitative search algorithms for partner selection and task allocation in the formulation of virtual enterprise. <i>International Journal of Computer Integrated Manufacturing</i> , 2007 , 20, 115-126	4.3	14
149	Forming Limits Prediction of FCC Sheet Metal Adopting Crystal Plasticity. <i>Key Engineering Materials</i> , 2007 , 340-341, 179-186	0.4	
148	Research of Surface Generation Mechanisms in Single-Point Diamond Turning. <i>Key Engineering Materials</i> , 2007 , 364-366, 1296-1301	0.4	
147	Calibration of Texture-Adjusted Strain-Rate Potential and its Application. <i>Key Engineering Materials</i> , 2007 , 340-341, 829-834	0.4	
146	Fabrication of Freeform Optics in Ultra-Precision Raster Milling. <i>Key Engineering Materials</i> , 2007 , 339, 412-416	0.4	0
145	A Study of Measurement Technology for Ultra-Precision Freeform Surfaces. <i>Key Engineering Materials</i> , 2007 , 339, 417-421	0.4	
144	Multi-Scale Modeling of Surface Topography in Single-Point Diamond Turning. <i>Key Engineering Materials</i> , 2007 , 340-341, 1009-1016	0.4	1
143	A Framework of a Model-Based Simulation System for Prediction of Surface Generation in Fast Tool Servo Machining of Optical Microstructures. <i>Key Engineering Materials</i> , 2007 , 339, 407-411	0.4	2
142	Development of a Dynamic Model for Ultra-Precision Raster Milling. <i>Key Engineering Materials</i> , 2007 , 364-366, 58-63	0.4	2
141	A Study of Micro V-Groove Fabrication in Ultra-Precision Freeform Machining. <i>Key Engineering Materials</i> , 2007 , 339, 286-290	0.4	6

140	A Study of Factors Affecting Surface Quality in Ultra-Precision Raster Milling. <i>Key Engineering Materials</i> , 2007 , 339, 400-406	0.4	9
139	Development of a research tool for the elicitation of consumer response. <i>International Journal of Market Research</i> , 2007 , 49, 613-631	1.7	5
138	Integration of web-based and RFID technology in visualizing logistics operations in a case study. <i>Supply Chain Management</i> , 2007 , 12, 221-234	10	57
137	Design of a RFID case-based resource management system for warehouse operations. <i>Expert Systems With Applications</i> , 2006 , 30, 561-576	7.8	223
136	Microstructural changes inside the lamellar structures of alloy ZA27. <i>Materials Characterization</i> , 2006 , 57, 326-332	3.9	7
135	Knowledge-based simulation and analysis of supply chain performance. <i>International Journal of Computer Integrated Manufacturing</i> , 2006 , 19, 14-23	4.3	15
134	Measuring ultra-precision freeform surfaces using a robust form characterization method. <i>Measurement Science and Technology</i> , 2006 , 17, 488-494	2	19
133	A knowledge-Based Infotronics Supervisory System for Intelligent Service Automation. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2006 , 220, 745-758 ^{2,4}		
132	A Study of a Digital Manufacturing Procedure for Freeform Optics. <i>Materials Science Forum</i> , 2006 , 532-533, 693-696	0.4	1
131	Tool path generation for machining of optical freeform surfaces by an ultra-precision multi-axis machine tool. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2006 , 220, 2021-2026	2.4	4
130	Theoretical and experimental evaluation of surface quality for optical freeform surfaces. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2006 , 220, 1439-1448	2.4	2
129	The Effect of Up-Cutting and Down-Cutting Directions on Materials Swelling in Ultra-Precision Raster Milling. <i>Materials Science Forum</i> , 2006 , 532-533, 697-700	0.4	2
128	Surface Characterization in Diamond Turning of Highly Anisotropy Brittle Crystals: A Multi-Spectrum Analysis Approach. <i>Materials Science Forum</i> , 2006 , 532-533, 989-992	0.4	
127	Analysis of Dynamic Characteristics in Polishing Based on Two-Dimension Vibration of Fluid. <i>Key Engineering Materials</i> , 2006 , 304-305, 295-299	0.4	1
126	Research on Software Error Compensation of Ultra-Precision Lathe. <i>Key Engineering Materials</i> , 2006 , 315-316, 602-606	0.4	1
125	Molecular Dynamics Simulation for Ultrafine Machining. <i>Materials and Manufacturing Processes</i> , 2006 , 21, 393-397	4.1	17
124	Modelling and simulation of freeform surface generation in ultra-precision raster milling. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2006 , 220, 1787-1801	2.4	33
123	An Investigation of Form Compensation in Fabricating Microlens Arrays by Ultra-Precision Fast-Tool-Servo Technology. <i>Materials Science Forum</i> , 2006 , 532-533, 689-692	0.4	4

122	Design and fabrication of freeform reflector for automotive headlamp 2006 ,		3
121	Microstructure investigation of a SiC whisker reinforced eutectoid zinc alloy matrix composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006 , 37, 1345-1350	8.4	15
120	Study of ultra-precision diamond turning of a microlens array with a fast tool servo system 2006 , 6149, 191		8
119	A dislocation-based model of forming limit prediction in the biaxial stretching of sheet metals. <i>International Journal of Mechanical Sciences</i> , 2006 , 48, 134-144	5.5	19
118	Ultra-precision machining induced phase decomposition at surface of ZnAl based alloy. <i>Applied Surface Science</i> , 2006 , 253, 2165-2170	6.7	3
117	A novel robust Gaussian filtering method for the characterization of surface generation in ultra-precision machining. <i>Precision Engineering</i> , 2006 , 30, 421-430	2.9	12
116	A study of materials swelling and recovery in single-point diamond turning of ductile materials. <i>Journal of Materials Processing Technology</i> , 2006 , 180, 210-215	5.3	66
115	A power spectrum analysis of effect of rolling texture on cutting forces in single-point diamond turning. <i>Journal of Materials Processing Technology</i> , 2006 , 180, 305-309	5.3	8
114	On the design of a real-time knowledge-based system for managing logistics operations. <i>Intelligent Systems in Accounting, Finance and Management</i> , 2006 , 14, 3-25	2.5	5
113	Characterisation of surface roughness for ultra-precision freeform surfaces. <i>Journal of Physics: Conference Series</i> , 2005 , 13, 32-35	0.3	
112	Computer simulation of single-point diamond turning using finite element method. <i>Journal of Materials Processing Technology</i> , 2005 , 167, 549-554	5.3	20
111	A personal reflection of mesoplasticity and its applications. <i>Journal of Materials Processing Technology</i> , 2005 , 167, 151-160	5.3	3
110	Ultra-precision machining induced micro-plastic deformation in ZnAl based alloy. <i>Journal of Materials Processing Technology</i> , 2005 , 167, 536-541	5.3	3
109	A dislocation-model of forming limit diagrams of FCC metal sheet with combination of cube and copper orientations. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 402, 149-157	5.3	5
108	Structural evolution in films of alloy Zn ₇₀ Al ₂₇ Cu ₃ (ZA27). <i>Applied Surface Science</i> , 2005 , 242, 236-244	6.7	11
107	Design of a case-based logistics strategy system in an integrated approach. <i>Expert Systems</i> , 2005 , 22, 173-192	2.1	5
106	Workpiece representation for virtual turning. <i>International Journal of Advanced Manufacturing Technology</i> , 2005 , 25, 857-866	3.2	8
105	A knowledge-based supplier intelligence retrieval system for outsource manufacturing. <i>Knowledge-Based Systems</i> , 2005 , 18, 1-17	7.3	107

104	Design of a knowledge-based logistics strategy system. <i>Expert Systems With Applications</i> , 2005 , 29, 272-290	2.9	62
103	Anti-Vibration Characteristics of a Lateral Shear Interferometer for On-Machine Surface Measurement. <i>Key Engineering Materials</i> , 2005 , 295-296, 411-416	0.4	3
102	Development of a Knowledge Management Culture Assessment Tool with Applications in Aviation Industry. <i>Journal of Information and Knowledge Management</i> , 2005 , 04, 179-189	0.9	3
101	A virtual warehouse system for production logistics. <i>Production Planning and Control</i> , 2005 , 16, 597-607	4.3	13
100	Mesoplasticity and Its Applications in Micro-Scale Deformation Processing. <i>Key Engineering Materials</i> , 2004 , 274-276, 43-50	0.4	
99	Design of an intelligent supplier relationship management system for new product development. <i>International Journal of Computer Integrated Manufacturing</i> , 2004 , 17, 692-715	4.3	38
98	Collaborative design in a networked enterprise: the case of the telecommunications industry. <i>International Journal of Production Research</i> , 2004 , 42, 3041-3054	7.8	18
97	An agent-oriented and knowledge-based system for strategic e-procurement. <i>Expert Systems</i> , 2004 , 21, 11-21	2.1	21
96	Nanostructural evolution in films of alloy Zn ₉₀ Al ₇ Cu ₃ . <i>Materials Characterization</i> , 2004 , 52, 217-224	3.9	4
95	A study of microvias produced by laser-assisted seeding mechanism in blind via hole plating of printed circuit board. <i>International Journal of Advanced Manufacturing Technology</i> , 2004 , 24, 474-484	3.2	5
94	Nanophase decomposition in eutectoid ZnAl based alloy films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 374, 145-152	5.3	6
93	Laser induced reaction synthesis of TiC+WC reinforced metal matrix composites coatings on Al 6061. <i>Surface and Coatings Technology</i> , 2004 , 185, 74-80	4.4	37
92	On nanophase stability in eutectoid ZnAl based alloy films. <i>Applied Surface Science</i> , 2004 , 236, 106-113	6.7	6
91	Development of a case based intelligent supplier relationship management system linking supplier rating system and product coding system. <i>Supply Chain Management</i> , 2004 , 9, 86-101	10	22
90	An enterprise collaborative management system: a case study of supplier selection in new product development. <i>International Journal of Technology Management</i> , 2004 , 28, 206	1.2	18
89	Friction-induced fluctuation of cutting forces in the diamond turning of aluminium single crystals. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2003 , 217, 615-631	2.4	13
88	Computer-integrated optics design and tool path generation in virtual machining of aspheric surfaces. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2003 , 217, 1285-1294	2.4	2
87	A generic supplier management tool for outsourcing manufacturing. <i>Supply Chain Management</i> , 2003 , 8, 140-154	10	51

86	A Power Spectrum Analysis of Surface Generation in Ultraprecision Machining of Al/SiC Metal Matrix Composites. <i>Materials and Manufacturing Processes</i> , 2003 , 18, 929-942	4.1	3
85	An intelligent supplier relationship management system for selecting and benchmarking suppliers. <i>International Journal of Technology Management</i> , 2003 , 26, 717	1.2	19
84	Ageing characteristics of cast Zn-Al based alloy (ZnAl7Cu3). <i>Journal of Materials Science</i> , 2003 , 38, 1945-1952	4.5	22
83	Ageing characteristics of furnace cooled eutectoid Zn-Al based alloy. <i>Journal of Materials Science</i> , 2003 , 38, 2925-2934	4.3	21
82	Effect of material anisotropy on shear angle prediction in metal cutting—a mesoplasticity approach. <i>International Journal of Mechanical Sciences</i> , 2003 , 45, 1739-1749	5.5	31
81	Tensile deformation-induced phase transformation in cast ZnAl-based alloy (ZnAl7Cu3). <i>Materials Research Bulletin</i> , 2003 , 38, 1851-1858	5.1	12
80	Comments on: a new aggregation method in a fuzzy environment. <i>Decision Support Systems</i> , 2003 , 35, 435-439	5.6	
79	A security model for distributed product data management system. <i>Computers in Industry</i> , 2003 , 50, 179-193	4.8	29
78	Design of an intelligent supplier relationship management system: a hybrid case based neural network approach. <i>Expert Systems With Applications</i> , 2003 , 24, 225-237	7.8	109
77	A multi-perspective knowledge-based system for customer service management. <i>Expert Systems With Applications</i> , 2003 , 24, 457-470	7.8	52
76	Design of a case based intelligent supplier relationship management system—the integration of supplier rating system and product coding system. <i>Expert Systems With Applications</i> , 2003 , 25, 87-100	7.8	113
75	Knowledge-based customization of enterprise applications. <i>Expert Systems With Applications</i> , 2003 , 25, 123-132	7.8	13
74	Use of EBSD to study stress induced microstructural changes in ZnAl based alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 348, 6-14	5.3	12
73	A study of system dynamics in just-in-time logistics. <i>Journal of Materials Processing Technology</i> , 2003 , 138, 265-269	5.3	25
72	A web-based collaborative product design platform for dispersed network manufacturing. <i>Journal of Materials Processing Technology</i> , 2003 , 138, 600-604	5.3	52
71	Microstructure of laser melted ZnAl-based alloy. <i>Journal of Materials Processing Technology</i> , 2003 , 139, 296-301	5.3	6
70	Numerical methods to improve the computational efficiency of thermal analysis for the die casting process. <i>Journal of Materials Processing Technology</i> , 2003 , 139, 457-461	5.3	5
69	Surface characterization in ultra-precision machining of Al/SiC metal matrix composites using data dependent systems analysis. <i>Journal of Materials Processing Technology</i> , 2003 , 140, 141-146	5.3	15

68	A mesoplasticity analysis of cutting friction in ultra-precision machining. <i>Journal of Materials Processing Technology</i> , 2003 , 140, 292-297	5.3	10
67	Orientation changes of aluminium single crystals in ultra-precision diamond turning. <i>Journal of Materials Processing Technology</i> , 2003 , 140, 346-351	5.3	26
66	An NC tool path translator for virtual machining of precision optical products. <i>Journal of Materials Processing Technology</i> , 2003 , 140, 211-216	5.3	19
65	A Web-based SMART STORE Platform for collaborative supply chain integration 2003 , 231-241		
64	111 Nano-surface Generation in Ultra-precision Machining : A Review. <i>Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21</i> , 2003 , 2003, 53-58		
63	Structural evolution in a continuously cast eutectoid ZnAl-based alloy. <i>Materials Characterization</i> , 2002 , 48, 315-322	3.9	12
62	Modeling of the elastic properties of cold-rolled polypropylene sheets. <i>Scripta Materialia</i> , 2002 , 46, 587-592	5.2	1
61	Effect of reinforcement in ultra-precision machining of Al6061/SiC metal matrix composites. <i>Scripta Materialia</i> , 2002 , 47, 77-82	5.6	61
60	Component Grouping for Automatic Printed Circuit Board Assembly. <i>International Journal of Advanced Manufacturing Technology</i> , 2002 , 19, 71-77	3.2	1
59	Prediction of the Effect of Tool Interference on Surface Generation in Single-Point Diamond Turning. <i>International Journal of Advanced Manufacturing Technology</i> , 2002 , 19, 245-252	3.2	16
58	Ultra-precision machining induced surface structural changes of ZnAl alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 325, 497-502	5.3	12
57	An efficient thermal analysis system for the die-casting process. <i>Journal of Materials Processing Technology</i> , 2002 , 128, 19-24	5.3	3
56	An intelligent supplier management tool for benchmarking suppliers in outsource manufacturing. <i>Expert Systems With Applications</i> , 2002 , 22, 213-224	7.8	117
55	Development of a case based intelligent customer-supplier relationship management system. <i>Expert Systems With Applications</i> , 2002 , 23, 281-297	7.8	65
54	Product data allocation for distributed product data management system. <i>Computers in Industry</i> , 2002 , 47, 289-298	11.6	9
53	VMMC: a test-bed for machining. <i>Computers in Industry</i> , 2002 , 47, 255-268	11.6	29
52	A Microplasticity Analysis of Micro-Cutting Force Variation in Ultra-Precision Diamond Turning. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2002 , 124, 170-177	3.3	41
51	Anisotropy of surface roughness in diamond turning of brittle single crystals. <i>Materials and Manufacturing Processes</i> , 2002 , 17, 251-267	4.1	33

50	Finite-element analysis of diamond turning of aluminium matrix composites. <i>Composites Science and Technology</i> , 2001 , 61, 1449-1456	8.6	39
49	A genetic algorithm of determining cycle time for printed circuit board assembly lines. <i>European Journal of Operational Research</i> , 2001 , 128, 175-184	5.6	37
48	Deformation behaviour of aluminium single crystals in ultraprecision diamond turning. <i>Journal of Materials Processing Technology</i> , 2001 , 113, 296-300	5.3	17
47	Applications of virtual manufacturing in materials processing. <i>Journal of Materials Processing Technology</i> , 2001 , 113, 416-423	5.3	40
46	A framework of a virtual machining and inspection system for diamond turning of precision optics. <i>Journal of Materials Processing Technology</i> , 2001 , 119, 27-40	5.3	8
45	Constitutive modeling of aluminum matrix NiTi fiber-reinforced smart composite. <i>Journal of Materials Processing Technology</i> , 2001 , 116, 219-223	5.3	7
44	An exact solution for the elastic/plastic bending of anisotropic sheet metal under conditions of plane strain. <i>International Journal of Mechanical Sciences</i> , 2001 , 43, 1871-1880	5.5	21
43	A theoretical and experimental investigation of surface generation in diamond turning of an Al6061/SiCp metal matrix composite. <i>International Journal of Mechanical Sciences</i> , 2001 , 43, 2047-2068	5.5	59
42	A dynamic surface topography model for the prediction of nano-surface generation in ultra-precision machining. <i>International Journal of Mechanical Sciences</i> , 2001 , 43, 961-991	5.5	116
41	EBSD of Zn-rich phases in ZnAl-based alloys. <i>Materials Characterization</i> , 2001 , 46, 19-23	3.9	14
40	Effect of Tool Wear on Force and Quality in Dam-Bar Cutting of Integrated Circuit Packages. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2001 , 123, 34-41	2	5
39	A PARAMETRIC ANALYSIS OF CUTTING FORCES IN SINGLE-POINT DIAMOND TURNING OF Al6061/SiCp METAL MATRIX COMPOSITES (MMCs). <i>Materials and Manufacturing Processes</i> , 2001 , 16, 61-78	4.1	6
38	CHARACTERISTICS OF MICROCUTTING FORCE VARIATION IN ULTRAPRECISION DIAMOND TURNING. <i>Materials and Manufacturing Processes</i> , 2001 , 16, 177-193	4.1	14
37	Microstructure and Prediction of Stress-strain Behaviour of Cold-rolled PP Sheets. <i>International Polymer Processing</i> , 2001 , 16, 302-308	1	
36	A multi-spectrum analysis of surface roughness formation in ultra-precision machining. <i>Precision Engineering</i> , 2000 , 24, 77-87	2.9	85
35	An investigation of tool wear in the dam-bar cutting of integrated circuit packages. <i>Wear</i> , 2000 , 237, 274-282	3.5	29
34	Tensile deformation and phase transformation of furnace-cooled ZnAl based alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 293, 95-101	5.3	31
33	An analysis of the plane-strain bending of an orthotropic sheet in the elastic/plastic range. <i>Journal of Materials Processing Technology</i> , 2000 , 104, 48-52	5.3	6

32	An investigation of residual form error compensation in the ultra-precision machining of aspheric surfaces. <i>Journal of Materials Processing Technology</i> , 2000 , 99, 129-134	5.3	66
31	A theoretical and experimental investigation of surface roughness formation in ultra-precision diamond turning. <i>International Journal of Machine Tools and Manufacture</i> , 2000 , 40, 979-1002	9.4	115
30	Effect of crystallographic orientation in diamond turning of copper single crystals. <i>Scripta Materialia</i> , 2000 , 42, 937-945	5.6	61
29	Orientation hardening and instability of an AA3003 aluminium alloy sheet under in-plane strain stretching. <i>Scripta Materialia</i> , 2000 , 43, 1-7	5.6	5
28	A Dislocation-Model of Limit Strain Prediction in Aluminium Sheet Metals under Biaxial Deformation. <i>International Journal of Damage Mechanics</i> , 2000 , 9, 286-301	3	4
27	Modelling and simulation of surface topography in ultra-precision diamond turning. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2000 , 214, 463-480	2.4	59
26	A Parametric Analysis of Surface Quality in Diamond Turning of an Al6061/SiCp Metal Matrix Composite. <i>Key Engineering Materials</i> , 2000 , 177-180, 369-374	0.4	3
25	An Investigation of Surface Roughness Formation in Ultra-Precision Machining of Al6061/SiCp Metal Matrix Composites. <i>Key Engineering Materials</i> , 2000 , 177-180, 375-380	0.4	2
24	Orientation Relationship and Mechanical Properties of Rolled Polypropylene Sheets. <i>Key Engineering Materials</i> , 2000 , 177-180, 357-362	0.4	1
23	Detection of interference elements and release directions in die-cast and injection-moulded components. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2000 , 214, 431-441	2.4	19
22	The design and fabrication of an alumina reinforced aluminum composite material. <i>Composites Part A: Applied Science and Manufacturing</i> , 2000 , 31, 245-258	8.4	17
21	Laser bending of thin stainless steel sheets. <i>Journal of Laser Applications</i> , 2000 , 12, 34-40	2.1	16
20	Study of Factors Affecting the Surface Quality in Ultra-Precision Diamond Turning. <i>Materials and Manufacturing Processes</i> , 2000 , 15, 481-502	4.1	72
19	Textures of Sheet in AA3003 Aluminum Alloy Under Biaxial Stretching. <i>Textures and Microstructures</i> , 2000 , 34, 217-225		3
18	A simplified approach for the simulation of metal flow in a cylindrical sleeve diecasting cavity. <i>Journal of Materials Processing Technology</i> , 1999 , 91, 116-120	5.3	2
17	A new theoretical model for predicting limit strains in the punch stretching of sheet metals. <i>Journal of Materials Processing Technology</i> , 1999 , 91, 257-263	5.3	2
16	Modeling of air back pressure in die-casting dies. <i>Journal of Materials Processing Technology</i> , 1999 , 91, 264-269	5.3	9
15	Materials induced vibration in ultra-precision machining. <i>Journal of Materials Processing Technology</i> , 1999 , 89-90, 318-325	5.3	43

14	Fatigue induced microstructural change in furnace cooled Zn-Al based alloy. <i>Journal of Materials Science Letters</i> , 1999 , 18, 909-914		4
13	Damage Evolution and Energy Dissipation in the Crazing of Polymers. <i>Key Engineering Materials</i> , 1997 , 145-149, 459-464	0.4	
12	Evolution of Orientation Hardening in the Cold Rolling of an AA3003 Aluminium Alloy Sheet. <i>Key Engineering Materials</i> , 1997 , 145-149, 1161-1166	0.4	1
11	Mechanical Properties of a NiTi-Based Smart Composite. <i>Key Engineering Materials</i> , 1997 , 145-149, 931-936		
10	Modeling of damage behaviors of high impact polystyrene. <i>Engineering Fracture Mechanics</i> , 1996 , 55, 583-591	4.2	8
9	Laser bending of Al-based metal matrix composites sheets 1996 ,		1
8	Hot-roll bonding of aluminium matrix composites with different volume fractions of alumina. <i>Journal of Materials Science</i> , 1995 , 30, 843-848	4.3	13
7	Deformation and recrystallization in cross-rolled Al-Cu precipitation alloys. <i>Journal of Materials Science</i> , 1994 , 29, 269-275	4.3	7
6	Mesoplasticity and its Applications 1993 ,		46
5	Misorientation texture of post-recrystallized Brass. <i>Journal of Materials Science</i> , 1992 , 27, 3395-3399	4.3	3
4	Effect of Local Texture on the Development of M-K Groove in Biaxial Deformation. <i>Textures and Microstructures</i> , 1991 , 14, 1221-1226		7
3	A microplasticity analysis of shear band cracks in rolled 2024 aluminium alloy. <i>International Journal of Fracture</i> , 1991 , 52, 207-221	2.3	5
2	A Theoretical Analysis of Equibiaxial Deformation Texture Under Non-prescribed Strain Path. <i>Textures and Microstructures</i> , 1990 , 13, 31-40		3
1	Design of a RFID-based resource management system for warehouse operation		4