

# Wing Bun Lee

## List of Publications by Year in descending order

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256  
papers

6,470  
citations

76294

40  
h-index

95218

68  
g-index

265  
all docs

265  
docs citations

265  
times ranked

3798  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Structure of graphene and its disorders: a review. Science and Technology of Advanced Materials, 2018, 19, 613-648.  | 2.8 | 407       |
| 2  | Design of a RFID case-based resource management system for warehouse operations. Expert Systems With Applications, 2006, 30, 561-576.  | 4.4 | 284       |
| 3  | Effects of dynamic electropulsing on microstructure and elongation of a Zn-Al alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 501, 125-132.                 | 2.6 | 148       |
| 4  | A theoretical and experimental investigation of surface roughness formation in ultra-precision diamond turning. International Journal of Machine Tools and Manufacture, 2000, 40, 979-1002.                                  | 6.2 | 136       |
| 5  | Design of an intelligent supplier relationship management system: a hybrid case based neural network approach. Expert Systems With Applications, 2003, 24, 225-237.  | 4.4 | 136       |
| 6  | An intelligent supplier management tool for benchmarking suppliers in outsource manufacturing. Expert Systems With Applications, 2002, 22, 213-224.  | 4.4 | 135       |
| 7  | A knowledge-based supplier intelligence retrieval system for outsource manufacturing. Knowledge-Based Systems, 2005, 18, 1-17.   | 4.0 | 135       |
| 8  | Design of a case based intelligent supplier relationship management system—the integration of supplier rating system and product coding system. Expert Systems With Applications, 2003, 25, 87-100.                          | 4.4 | 134       |
| 9  | A dynamic surface topography model for the prediction of nano-surface generation in ultra-precision machining. International Journal of Mechanical Sciences, 2001, 43, 961-991.  | 3.6 | 131       |
| 10 | A dynamic logistics process knowledge-based system – An RFID multi-agent approach. Knowledge-Based Systems, 2007, 20, 357-372.   | 4.0 | 107       |
| 11 | A theoretical and experimental investigation of the tool-tip vibration and its influence upon surface generation in single-point diamond turning. International Journal of Machine Tools and Manufacture, 2010, 50, 241-252. | 6.2 | 105       |
| 12 | A multi-spectrum analysis of surface roughness formation in ultra-precision machining. Precision Engineering, 2000, 24, 77-87.   | 1.8 | 99        |
| 13 | Development of a case based intelligent customer-supplier relationship management system. Expert Systems With Applications, 2002, 23, 281-297.   | 4.4 | 90        |
| 14 | Critical Elements and Lessons Learnt from the Implementation of an RFID-enabled Healthcare Management System in a Medical Organization. Journal of Medical Systems, 2011, 35, 657-669.                                       | 2.2 | 84        |
| 15 | Design of a knowledge-based logistics strategy system. Expert Systems With Applications, 2005, 29, 272-290.  | 4.4 | 82        |
| 16 | Study of Factors Affecting the Surface Quality in Ultra-Precision Diamond Turning. Materials and Manufacturing Processes, 2000, 15, 481-502.   | 2.7 | 81        |
| 17 | A study of materials swelling and recovery in single-point diamond turning of ductile materials. Journal of Materials Processing Technology, 2006, 180, 210-215.   | 3.1 | 80        |
| 18 | An investigation of residual form error compensation in the ultra-precision machining of aspheric surfaces. Journal of Materials Processing Technology, 2000, 99, 129-134.   | 3.1 | 77        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | A generic supplier management tool for outsourcing manufacturing. Supply Chain Management, 2003, 8, 140-154.   | 3.7 | 76        |
| 20 | Integration of web-based and RFID technology in visualizing logistics operations – a case study. Supply Chain Management, 2007, 12, 221-234.   | 3.7 | 75        |
| 21 | Theoretical and experimental analysis of nano-surface generation in ultra-precision raster milling. International Journal of Machine Tools and Manufacture, 2008, 48, 1090-1102.                           | 6.2 | 73        |
| 22 | Modelling and simulation of surface topography in ultra-precision diamond turning. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2000, 214, 463-480. | 1.5 | 72        |
| 23 | Effect of reinforcement in ultra-precision machining of Al6061/SiC metal matrix composites. Scripta Materialia, 2002, 47, 77-82.   | 2.6 | 71        |
| 24 | Simulation of micro-indentation hardness of FCC single crystals by mechanism-based strain gradient crystal plasticity. International Journal of Plasticity, 2010, 26, 1527-1540.                           | 4.1 | 70        |
| 25 | Effect of crystallographic orientation in diamond turning of copper single crystals. Scripta Materialia, 2000, 42, 937-945.  | 2.6 | 69        |
| 26 | A theoretical and experimental investigation of surface generation in diamond turning of an Al6061/SiCp metal matrix composite. International Journal of Mechanical Sciences, 2001, 43, 2047-2068.         | 3.6 | 67        |
| 27 | A kinematics and experimental analysis of form error compensation in ultra-precision machining. International Journal of Machine Tools and Manufacture, 2008, 48, 1408-1419.                               | 6.2 | 67        |
| 28 | A web-based collaborative product design platform for dispersed network manufacturing. Journal of Materials Processing Technology, 2003, 138, 600-604.   | 3.1 | 66        |
| 29 | A multi-perspective knowledge-based system for customer service management. Expert Systems With Applications, 2003, 24, 457-470.   | 4.4 | 63        |
| 30 | Mesoplasticity and its Applications. , 1993, , .   |     | 61        |
| 31 | Enhancement of surface finish using water-miscible nano-cutting fluid in ultra-precision turning. International Journal of Machine Tools and Manufacture, 2013, 73, 62-70.                                 | 6.2 | 60        |
| 32 | A methodology for building a semantically annotated multi-faceted ontology for product family modelling. Advanced Engineering Informatics, 2011, 25, 147-161.  | 4.0 | 59        |
| 33 | Optical design of a freeform TIR lens for LED streetlight. Optik, 2010, 121, 1761-1765.  | 1.4 | 58        |
| 34 | Design of an intelligent supplier relationship management system for new product development. International Journal of Computer Integrated Manufacturing, 2004, 17, 692-715.                               | 2.9 | 55        |
| 35 | Applications of virtual manufacturing in materials processing. Journal of Materials Processing Technology, 2001, 113, 416-423.   | 3.1 | 51        |
| 36 | An investigation into surface generation in ultra-precision raster milling. Journal of Materials Processing Technology, 2009, 209, 4178-4185.  | 3.1 | 50        |

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|----|--|-----|-----------|
| 37 | Materials induced vibration in ultra-precision machining. Journal of Materials Processing Technology, 1999, 89-90, 318-325.  | 3.1 | 48        |
| 38 | Learning the "Whys": Discovering design rationale using text mining " An algorithm perspective. CAD Computer Aided Design, 2012, 44, 916-930.  | 1.4 | 48        |
| 39 | Multi-facet product information search and retrieval using semantically annotated product family ontology. Information Processing and Management, 2010, 46, 479-493.   | 5.4 | 47        |
| 40 | A Microplasticity Analysis of Micro-Cutting Force Variation in Ultra-Precision Diamond Turning. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2002, 124, 170-177.                      | 1.3 | 45        |
| 41 | Finite-element analysis of diamond turning of aluminium matrix composites. Composites Science and Technology, 2001, 61, 1449-1456.   | 3.8 | 42        |
| 42 | A genetic algorithm of determining cycle time for printed circuit board assembly lines. European Journal of Operational Research, 2001, 128, 175-184.  | 3.5 | 41        |
| 43 | Laser induced reaction synthesis of TiC+WC reinforced metal matrix composites coatings on Al 6061. Surface and Coatings Technology, 2004, 185, 74-80.  | 2.2 | 41        |
| 44 | Modeling and simulation of supply network evolution based on complex adaptive system and fitness landscape. Computers and Industrial Engineering, 2009, 56, 839-853.   | 3.4 | 41        |
| 45 | Design and development of a mobile EPC-RFID-based self-validation system (MESS) for product authentication. Computers in Industry, 2010, 61, 624-635.  | 5.7 | 41        |
| 46 | Modelling and simulation of freeform surface generation in ultra-precision raster milling. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2006, 220, 1787-1801. | 1.5 | 40        |
| 47 | Finite element modelling of shear angle and cutting force variation induced by material anisotropy in ultra-precision diamond turning. International Journal of Machine Tools and Manufacture, 2013, 75, 82-86.      | 6.2 | 40        |
| 48 | Effect of material anisotropy on shear angle prediction in metal cutting "a mesoplasticity approach. International Journal of Mechanical Sciences, 2003, 45, 1739-1749.  | 3.6 | 39        |
| 49 | An integrated form characterization method for measuring ultra-precision freeform surfaces. International Journal of Machine Tools and Manufacture, 2007, 47, 81-91.   | 6.2 | 39        |
| 50 | Anisotropy of surface roughness in diamond turning of brittle single crystals. Materials and Manufacturing Processes, 2002, 17, 251-267.   | 2.7 | 38        |
| 51 | Analysis of surface generation in the ultraprecision polishing of freeform surfaces. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2010, 224, 59-73.           | 1.5 | 38        |
| 52 | Knowledge-based extraction of intellectual capital-related information from unstructured data. Expert Systems With Applications, 2014, 41, 1315-1325.  | 4.4 | 37        |
| 53 | Development of a case based intelligent supplier relationship management system " linking supplier rating system and product coding system. Supply Chain Management, 2004, 9, 86-101.                                | 3.7 | 36        |
| 54 | Knowledge-based treatment planning for adolescent early intervention of mental healthcare: a hybrid case-based reasoning approach. Expert Systems, 2007, 24, 232-251.  | 2.9 | 36        |

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|----|--|-----|-----------|
| 55 | Birefringence techniques for the characterization of residual stresses in injection-moulded micro-lens arrays. <i>Polymer Testing</i> , 2009, 28, 709-714.   | 2.3 | 36        |
| 56 | 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.                              | 6.2 | 35        |
| 57 | A study of system dynamics in just-in-time logistics. <i>Journal of Materials Processing Technology</i> , 2003, 138, 265-269.  | 3.1 | 34        |
| 58 | An agent-oriented and knowledge-based system for strategic e-procurement. <i>Expert Systems</i> , 2004, 21, 11-21.   | 2.9 | 34        |
| 59 | Mining knowledge from natural language texts using fuzzy associated concept mapping. <i>Information Processing and Management</i> , 2008, 44, 1707-1719.   | 5.4 | 34        |
| 60 | 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.       | 1.5 | 34        |
| 61 | An investigation of tool wear in the dam-bar cutting of integrated circuit packages. <i>Wear</i> , 2000, 237, 274-282.   | 1.5 | 33        |
| 62 | Tensile deformation and phase transformation of furnace-cooled Zn-Al based alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 293, 95-101. | 2.6 | 33        |
| 63 | VMMC: a test-bed for machining. <i>Computers in Industry</i> , 2002, 47, 255-268.  | 5.7 | 33        |
| 64 | A security model for distributed product data management system. <i>Computers in Industry</i> , 2003, 50, 179-193.   | 5.7 | 32        |
| 65 | An ontology-based similarity measurement for problem-based case reasoning. <i>Expert Systems With Applications</i> , 2009, 36, 6574-6579.  | 4.4 | 32        |
| 66 | Collaborative design in a networked enterprise: the case of the telecommunications industry. <i>International Journal of Production Research</i> , 2004, 42, 3041-3054.  | 4.9 | 31        |
| 67 | A New Design Rationale Representation Model for Rationale Mining. <i>Journal of Computing and Information Science in Engineering</i> , 2010, 10, .   | 1.7 | 31        |
| 68 | A study of regularly spaced shear bands and morphology of serrated chip formation in microcutting process. <i>Scripta Materialia</i> , 2010, 63, 227-230.  | 2.6 | 31        |
| 69 | Elastic strain induced shear bands in the microcutting process. <i>International Journal of Machine Tools and Manufacture</i> , 2010, 50, 9-18.  | 6.2 | 31        |
| 70 | 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.                     | 4.0 | 31        |
| 71 | Knowledge management approach in build-to-order supply chains. <i>Industrial Management and Data Systems</i> , 2007, 107, 882-919.   | 2.2 | 30        |
| 72 | Orientation changes of aluminium single crystals in ultra-precision diamond turning. <i>Journal of Materials Processing Technology</i> , 2003, 140, 346-351.   | 3.1 | 28        |

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|----|---|-----|-----------|
| 73 | An unstructured information management system (UIMS) for emergency management. Expert Systems With Applications, 2012, 39, 12743-12758.   | 4.4 | 26        |
| 74 | Computer simulation of single-point diamond turning using finite element method. Journal of Materials Processing Technology, 2005, 167, 549-554.  | 3.1 | 25        |
| 75 | Product Family Design Through Ontology-Based Faceted Component Analysis, Selection, and Optimization. Journal of Mechanical Design, Transactions of the ASME, 2013, 135, .                                    | 1.7 | 25        |
| 76 | Effect of cutting parameters on heat generation in ultra-precision milling of aluminum alloy 6061. International Journal of Advanced Manufacturing Technology, 2015, 80, 1265-1275.                           | 1.5 | 25        |
| 77 | An exact solution for the elastic/plastic bending of anisotropic sheet metal under conditions of plane strain. International Journal of Mechanical Sciences, 2001, 43, 1871-1880.                             | 3.6 | 24        |
| 78 | Effects of current density on electropulsing-induced phase transformations in a Zn-Al based alloy. Applied Physics A: Materials Science and Processing, 2009, 96, 939-944.                                    | 1.1 | 24        |
| 79 | Ageing characteristics of cast Zn-Al based alloy (ZnAl7Cu3). Journal of Materials Science, 2003, 38, 1945-1952.   | 1.7 | 23        |
| 80 | An NC tool path translator for virtual machining of precision optical products. Journal of Materials Processing Technology, 2003, 140, 211-216.   | 3.1 | 23        |
| 81 | An enterprise collaborative management system: a case study of supplier selection in new product development. International Journal of Technology Management, 2004, 28, 206.                                  | 0.2 | 23        |
| 82 | Numerical simulation of residual stress and birefringence in the precision injection molding of plastic microlens arrays. International Communications in Heat and Mass Transfer, 2009, 36, 213-219.          | 2.9 | 23        |
| 83 | Analysis of surface generation in ultra-precision machining with a fast tool servo. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2010, 224, 1351-1367. | 1.5 | 23        |
| 84 | Carbide-bonded graphene-based Joule heating for embossing fine microstructures on optical glass. Applied Surface Science, 2020, 500, 144004.  | 3.1 | 23        |
| 85 | Ageing characteristics of furnace cooled eutectoid Zn-Al based alloy. Journal of Materials Science, 2003, 38, 2925-2934.  | 1.7 | 22        |
| 86 | An intelligent supplier relationship management system for selecting and benchmarking suppliers. International Journal of Technology Management, 2003, 26, 717.   | 0.2 | 22        |
| 87 | A strategic knowledge-based planning system for freight forwarding industry. Expert Systems With Applications, 2007, 33, 936-954.   | 4.4 | 22        |
| 88 | Characterization of surface generation of optical microstructures using a pattern and feature parametric analysis method. Precision Engineering, 2010, 34, 755-766.   | 1.8 | 22        |
| 89 | RACER: Rule-Associated Case-based Reasoning for supporting General Practitioners in prescription making. Expert Systems With Applications, 2010, 37, 8079-8089.   | 4.4 | 22        |
| 90 | Knowledge-based customization of enterprise applications. Expert Systems With Applications, 2003, 25, 123-132.  | 4.4 | 21        |

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|-----|---|-----|-----------|
| 91  | 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.                                  | 3.1 | 21        |
| 92  | A novel robust Gaussian filtering method for the characterization of surface generation in ultra-precision machining. <i>Precision Engineering</i> , 2006, 30, 421-430.   | 1.8 | 21        |
| 93  | Measuring ultra-precision freeform surfaces using a robust form characterization method. <i>Measurement Science and Technology</i> , 2006, 17, 488-494.   | 1.4 | 21        |
| 94  | Effects of Dynamic Electropulsing on Phase Transformation of a Zn-Al Based Alloy. <i>Materials Transactions</i> , 2009, 50, 1105-1112.  | 0.4 | 21        |
| 95  | 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. | 1.5 | 20        |
| 96  | The design and fabrication of an alumina reinforced aluminum composite material. <i>Composites Part A: Applied Science and Manufacturing</i> , 2000, 31, 245-258.   | 3.8 | 20        |
| 97  | Laser bending of thin stainless steel sheets. <i>Journal of Laser Applications</i> , 2000, 12, 34-40.   | 0.8 | 20        |
| 98  | Deformation behaviour of aluminium single crystals in ultraprecision diamond turning. <i>Journal of Materials Processing Technology</i> , 2001, 113, 296-300.   | 3.1 | 19        |
| 99  | 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.   | 1.5 | 19        |
| 100 | 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.   | 3.6 | 19        |
| 101 | Self-associated concept mapping for representation, elicitation and inference of knowledge. <i>Knowledge-Based Systems</i> , 2008, 21, 52-61.   | 4.0 | 19        |
| 102 | Wear characteristics of diamond tool in ultraprecision raster milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 44, 638-647.   | 1.5 | 18        |
| 103 | Knowledge elicitation in reliability management in the airline industry. <i>Journal of Knowledge Management</i> , 2009, 13, 35-48.  | 3.2 | 18        |
| 104 | A virtual warehouse system for production logistics. <i>Production Planning and Control</i> , 2005, 16, 597-607.  | 5.8 | 17        |
| 105 | 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.  | 3.8 | 17        |
| 106 | Molecular Dynamics Simulation for Ultrafine Machining. <i>Materials and Manufacturing Processes</i> , 2006, 21, 393-397.  | 2.7 | 17        |
| 107 | Measuring optical freeform surfaces using a coupled reference data method. <i>Measurement Science and Technology</i> , 2007, 18, 2252-2260.   | 1.4 | 17        |
| 108 | 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.                                | 2.9 | 16        |

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|-----|---|-----|-----------|
| 109 | 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.  | 3.1 | 16        |
| 110 | Ultra-precision raster milling-induced phase decomposition and plastic deformation at the surface of a Zn-Al-based alloy. <i>Scripta Materialia</i> , 2010, 62, 101-104.  | 2.6 | 16        |
| 111 | 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.                                   | 1.5 | 16        |
| 112 | Knowledge-based simulation and analysis of supply chain performance. <i>International Journal of Computer Integrated Manufacturing</i> , 2006, 19, 14-23.   | 2.9 | 15        |
| 113 | A Study of Factors Affecting Surface Quality in Ultra-Precision Raster Milling. <i>Key Engineering Materials</i> , 2007, 339, 400-406.  | 0.4 | 15        |
| 114 | Effects of Current Density on Elongation of an Electropulsing Treated Zn-Al Based Alloy. <i>Materials Transactions</i> , 2009, 50, 2772-2777.   | 0.4 | 15        |
| 115 | A multi-faceted and automatic knowledge elicitation system (MAKES) for managing unstructured information. <i>Expert Systems With Applications</i> , 2011, 38, 5245-5258.  | 4.4 | 15        |
| 116 | Characterization of freeform optics in automotive lighting systems using an Optical Geometrical Feature Based Method. <i>Optik</i> , 2011, 122, 358-363.  | 1.4 | 15        |
| 117 | Hot-roll bonding of aluminium matrix composites with different volume fractions of alumina. <i>Journal of Materials Science</i> , 1995, 30, 843-848.  | 1.7 | 14        |
| 118 | CHARACTERISTICS OF MICROCUTTING FORCE VARIATION IN ULTRAPRECISION DIAMOND TURNING. <i>Materials and Manufacturing Processes</i> , 2001, 16, 177-193.  | 2.7 | 14        |
| 119 | EBSD of Zn-rich phases in Zn-Al-based alloys. <i>Materials Characterization</i> , 2001, 46, 19-23.  | 1.9 | 14        |
| 120 | Product data allocation for distributed product data management system. <i>Computers in Industry</i> , 2002, 47, 289-298.   | 5.7 | 13        |
| 121 | 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. | 1.5 | 13        |
| 122 | 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.   | 3.1 | 12        |
| 123 | Structural evolution in a continuously cast eutectoid Zn-Al-based alloy. <i>Materials Characterization</i> , 2002, 48, 315-322.   | 1.9 | 12        |
| 124 | Ultra-precision machining induced surface structural changes of Zn-Al alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 325, 497-502.                    | 2.6 | 12        |
| 125 | Tensile deformation-induced phase transformation in cast Zn-Al-based alloy (ZnAl <sub>7</sub> Cu <sub>3</sub> ). <i>Materials Research Bulletin</i> , 2003, 38, 1851-1858.  | 2.7 | 12        |
| 126 | Use of EBSD to study stress induced microstructural changes in Zn-Al based alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 348, 6-14.                  | 2.6 | 12        |



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|-----|--|-----|-----------|
| 127 | Faceted search and retrieval based on semantically annotated product family ontology. , 2009, , .  |     | 12        |
| 128 | A mesoplasticity analysis of cutting friction in ultra-precision machining. Journal of Materials Processing Technology, 2003, 140, 292-297.  | 3.1 | 11        |
| 129 | Structural evolution in films of alloy Zn <sub>70</sub> Al <sub>27</sub> Cu <sub>3</sub> (ZA27). Applied Surface Science, 2005, 242, 236-244.  | 3.1 | 11        |
| 130 | Workpiece representation for virtual turning. International Journal of Advanced Manufacturing Technology, 2005, 25, 857-866.   | 1.5 | 11        |
| 131 | Study of ultra-precision diamond turning of a microlens array with a fast tool servo system. , 2006, 6149, 191.  |     | 10        |
| 132 | A power spectrum analysis of effect of rolling texture on cutting forces in single-point diamond turning. Journal of Materials Processing Technology, 2006, 180, 305-309.  | 3.1 | 10        |
| 133 | Microstructural changes inside the lamellar structures of alloy ZA27. Materials Characterization, 2006, 57, 326-332.   | 1.9 | 10        |
| 134 | Measuring ultra-precision freeform surfaces using a hybrid fitting and matching method. Measurement Science and Technology, 2009, 20, 105103.  | 1.4 | 10        |
| 135 | CASESIAN: A knowledge-based system using statistical and experiential perspectives for improving the knowledge sharing in the medical prescription process. Expert Systems With Applications, 2010, 37, 5336-5346. | 4.4 | 10        |
| 136 | Deformation and recrystallization in cross-rolled Al-Cu precipitation alloys. Journal of Materials Science, 1994, 29, 269-275.   | 1.7 | 9         |
| 137 | Modeling of damage behaviors of high impact polystyrene. Engineering Fracture Mechanics, 1996, 55, 583-591.  | 2.0 | 9         |
| 138 | Modeling of air back pressure in die-casting dies. Journal of Materials Processing Technology, 1999, 91, 264-269.  | 3.1 | 9         |
| 139 | On the design of a real-time knowledge-based system for managing logistics operations. Intelligent Systems in Accounting, Finance and Management, 2006, 14, 3-25.  | 2.8 | 9         |
| 140 | A Dynamic RFID-Based Mobile Monitoring System in Animal Care Management Over a Wireless Network. , 2007, , .   |     | 9         |
| 141 | Effects of cutting depth on the surface microstructure of a Zn-Al alloy during ultra-precision machining. Applied Surface Science, 2008, 254, 1559-1564.   | 3.1 | 9         |
| 142 | Experiences Sharing of Implementing Template-Based Electronic Medical Record System (TEMRS) in a Hong Kong Medical Organization. Journal of Medical Systems, 2011, 35, 1605-1615.                                  | 2.2 | 9         |
| 143 | Effect of Local Texture on the Development of M-K Groove in Biaxial Deformation. Textures and Microstructures, 1991, 14, 1221-1226.  | 0.2 | 8         |
| 144 | Numerical methods to improve the computational efficiency of thermal analysis for the die casting process. Journal of Materials Processing Technology, 2003, 139, 457-461.   | 3.1 | 8         |

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|-----|---|-----|-----------|
| 145 | Development of a virtual machining and inspection system for ultra-precision diamond turning. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2007, 221, 1153-1174. | 1.5 | 8         |
| 146 | Dispersed Network Manufacturing: An Emerging Form of Collaboration Networks. , 2009, , 39-58.   |     | 8         |
| 147 | Al6061 surface roughness and optical reflectance when machined by single point diamond turning at a low feed rate. PLoS ONE, 2018, 13, e0195083.  | 1.1 | 8         |
| 148 | An analysis of the plane-strain bending of an orthotropic sheet in the elastic/plastic range. Journal of Materials Processing Technology, 2000, 104, 48-52.   | 3.1 | 7         |
| 149 | Constitutive modeling of aluminum matrix NiTi fiber-reinforced smart composite. Journal of Materials Processing Technology, 2001, 116, 219-223.   | 3.1 | 7         |
| 150 | A study of microvias produced by laser-assisted seeding mechanism in blind via hole plating of printed circuit board. International Journal of Advanced Manufacturing Technology, 2004, 24, 474-484.                    | 1.5 | 7         |
| 151 | Development of a Knowledge Management Culture Assessment Tool with Applications in Aviation Industry. Journal of Information and Knowledge Management, 2005, 04, 179-189.   | 0.8 | 7         |
| 152 | Microscopic machining mechanism of polishing based on vibrations of liquid. Nanotechnology, 2007, 18, 105703.   | 1.3 | 7         |
| 153 | Microstructural Changes at the Ultra-Precision Raster Milled Surface of Zn-Al Based Alloy. Materials Transactions, 2008, 49, 698-703.   | 0.4 | 7         |
| 154 | Assessing Knowledge Assets: Knowledge Audit of a Social Service Organization in Hong Kong. Administration in Social Work, 2010, 34, 361-383.  | 0.7 | 7         |
| 155 | Effect of Tool Wear on Force and Quality in Dam-Bar Cutting of Integrated Circuit Packages. Journal of Electronic Packaging, Transactions of the ASME, 2001, 123, 34-41.  | 1.2 | 6         |
| 156 | A PARAMETRIC ANALYSIS OF CUTTING FORCES IN SINGLE-POINT DIAMOND TURNING OF Al6061/SiCpMETAL MATRIX COMPOSITES (MMCs). Materials and Manufacturing Processes, 2001, 16, 61-78.   | 2.7 | 6         |
| 157 | An efficient thermal analysis system for the die-casting process. Journal of Materials Processing Technology, 2002, 128, 19-24.   | 3.1 | 6         |
| 158 | Microstructure of laser melted Zn-Al-based alloy. Journal of Materials Processing Technology, 2003, 139, 296-301.   | 3.1 | 6         |
| 159 | Nanophase decomposition in eutectoid Zn-Al based alloy films. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 374, 145-152.                                   | 2.6 | 6         |
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