IEM SJTU 上海交通大学
机械与动力工程学院工业工程与管理系
Department of Industrial Engineering & Management

返回首页　English

全系概况　师资团队　科学研究　科研成果　人才培养　招生就业　校友录　联系我们

■ 科研成果
▶ 标志性成果
▶ 获得的奖励
▶ 发表论文
▶ 著 作
▶ 专 利

● 教师登录
用户名 [　　　]
密 码 [　　　]
登 录

科学研究
Department of Industrial Engineering and Management

○ 发表论文　　　　　　　　　　　　　　　　科研成果

SCI收录论文： **73**篇
EI收录论文： **237**篇

近年来发表的代表性论文有：

[1]	Chunbao Chen and Liya Wang, Product Platform Design through Clustering Analysis and Information Theoretical Approach, International Journal of Production Research, Volume 46, pages 4259 – 4284, （SCI：317CT）
[2]	Chunbao Chen and Liya Wang, Integrating rough set clustering and grey model to analyse dynamic customer requirements, Proceedings of the Institution of Mechanical Engineers, Part B Journal of Engineering Manufacture, 2008,2,222(2): 319-332,（SCI：280GK）
[3]	Yu, Li,Wang, Liya,Yu, Jianbo, Identification of product definition patterns in mass customization using a learning-based hybrid approach, International Journal of Advanced Manufacturing Technology, v 38, n 11-12, October, 2008, p 1061-1074,（SCI：347IL）
[4]	Chen, Chunbao,Wang, Liya, Multiple-platform based product family design for mass customization using a modified genetic algorithm, Journal of Intelligent Manufacturing, v 19, n 5, October, 2008, p 577-589,（SCI：351QE）
[5]	Li Yu and Liya Wang, A fuzzy intelligent design retrieving system for customer requirements, Int. J. Computer Applications in Technology, Vol. 33, Nos. 2/3, 2008, pp247-254,（EI：085211806991）
[6]	Li, Y. and Tsung, F. False Discovery Rate-Adjusted Charting Schemes for Multistage Process Fault Diagnosis and Isolation. Technometrics. 2009.
[7]	Z. Lu, N. Bostel. A Facility Location Model for Logistic Systems Including Reverse Flows: the Case of Remanufacturing Activities. Computer & Operations Research. 2007.
[8]	Z. Lu, N. Bostel, P. Dejax. Simple Plant Location Problem with Reverse Logistics Systems. Supply Chain Optimization, Series: Applied Optimization. 2005.
[9]	Liang Ye, Ershun Pan, Lifeng Xi. An adaptive SPC monitoring scheme for DOE-based APC. Journal of Systems Engineering and Electronics. 19(2), 2008.
[10]	Pan Ershun, Ye Liang, Xi Lifeng. Adaptive Control Charts with Variable Parameters for DOE-based APC. International MultiConference of Engineers and Computer Scientists, Vols I and II Book Series: Lecture Notes in Engineering and Computer Science. 2007.
[11]	Xiong S, Goonetilleke RS, Witana CP, and Au EYL. Modelling foot height and foot shape related dimensions. Ergonomics. 2008.
[12]	S Xiong, J Zhao, Z Jiang and M Dong. A prototype computer-aided design system for foot-feature based shoe last customization. International Journal of Advanced Manufacturing Technology. 2009.
[13]	Witana CP, Xiong S, Zhao J and Goonetilleke RS. Foot measurements from three-dimensional scans: A comparison and evaluation of different methods. International Journal of Industrial Ergonomics.2006.
[14]	Zhou X., Xi L., Lee J. Opportunistic Preventive Maintenance Scheduling for a Multi-Unit Series System Based on Dynamic Programming. International Journal of Production Economics. 2009.
[15]	Zhou X., Xi L., Lee J. Reliability Centered Predictive Maintenance Scheduling for a Continuously Monitored System Subject to Degradation. Reliability Engineering and System Safety. 2007.
[16]	Li,S.G. The reliable design of one-piece flow production system using fuzzy ant colony optimization. Computers & Operations Research. 2008.

[17]	Li,S.G. The inventory management system for automobile spare parts in a central warehouse. Expert Systems with Applications. 2008.
[18]	Li, S.G. The enhanced quality function deployment for developing virtual items in massive multiplayer online. Computers & Industrial Engineering. 2007.
[19]	Li, S.G.. Business performance forecasting of convenience store based on enhanced fuzzy neural network. Neural Computing & Applications. 2007.
[20]	Qiang Su, Jing-hua Shi and Sheng-jie Lai. Study on supply chain management of Chinese firms from the institutional view. International Journal of Production Economics. 2008.
[21]	Qiang Su, Shengjie Lai, Jun Liu. Geometric computation based assembly sequencing and evaluating in terms of assembly angle, direction, reorientation, and stability. Computer-Aided Design. 2009.
[22]	Qiang Su. A Hierarchical Approach on the Assembly Sequence Planning and the Optimal Sequences Analyzing. Robotics and Computer-Integrated Manufacturing. 2009.
[23]	Qiang SU. Applying case based reasoning in assembly sequence planning. International Journal of Production Research. 2007.
[24]	CHEN Lu, LANGEVIN Andre, RIOPEL Diane. The storage location assignment and interleaving problem in an automated storage/retrieval system with shared storage. International Journal of Production Research, In press, 2009.
[25]	CHEN Lu, RIOPEL Diane, LANGEVIN Andre. Minimising the peak load in a shared storage system based on the duration-of-stay of unit loads. International Journal of Shipping and Transport Logistics, 2009, Vol. 1, No. 1, pp.20 – 36.
[26]	CHEN Lu, BOSTEL Nathalie, DEJAX Pierre, XI Lifeng, CAI Jianguo. A tabu search algorithm for the integrated scheduling problem of container handling systems in a maritime terminal. European Journal of Operational Research, 2007, 181(1): 40-58. (SCI IDS: 155EJ).
[27]	CHEN Lu, CAI Jianguo. Using vector projection method to evaluate maintainability of mechanical system in design review, Reliability Engineering & System Safety, 2003, 81(2): 147-154. （SCI IDS: 703AQ）
[28]	Zuhua Jiang, Junqi Yan, Virtual Fuel-pump Design, Chinese Journal of Mechanical Engineering, v 15, n 1, March, 2002, p 94-96 （EI 02417130923）
[29]	Lu ZHEN, George Q. Huang, Zuhua JIANG , Collaborative filtering based on workflow space, Expert Systems with Applications, v 36, n 4, p 7873-7881, May 2009, (EI: 20090811919207)
[30]	Lu ZHEN, Zuhua JIANG, Jun LIANG, Knowledge Grid based Problem Solving Platform, International Journal of Advanced Manufacturing Technology, v 42, n 11-12, p 1217-1229, June 2009 （EI 20092912201043， SCI）
[31]	ZHEN Lu, JIANG Zuhua, Huang G. Q., LIANG Jun, Knowledge Acquisition for Product Development in Knowledge Grid, Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, v 222, n 11, p 2269-2280, November 2008 （SCI, EI: 20085111792463）
[32]	JIN Yulan, JIANG Zuhua, HOU Wenrui, Multi-objective integrating optimization research on preventive maintenance planning and production scheduling for a single machine, International Journal of Advanced Manufacturing Technology, 2008，November ，v 39, n 9-10, p 954-964, （EI 20084611707241）
[33]	Chao Liu, Zuhua Jiang, Lu Zhen, Hai Su, A bilateral integrative health-care knowledge service mechanism based on ‘MedGrid’, Computers in Biology and Medicine, Vol. 38, No. 4, April 2008, 446-460, (EI: 20081311174619)
[34]	J. Liang, Z. H. Jiang, Y. S. Zhao, K. M. Wang, The acquisition and application of similarity knowledge based on consultation in engineering product design, International Journal of Advanced Manufacturing Technology, v 37, n 1-2, p 1-14, April 2008，(SCI,EI: 20082011257929)
[35]	Huang Runqing, Xi Li-Feng, The framework, impacts and commercial prospects of a new predictive maintenance system: Intelligent Maintenance System, International Journal of Production Planning and Control, 2005,16(7): 652-664. (SCI 986IJ , EI 06019628572)
[36]	Z. Binghai, X. Lifeng, A heuristic algorithm to batching and loading problems in a flexible manufacturing system, International Journal of Advanced Manufacturing Technology, 2004,23 (11-12): 903 – 908. (SCI 829DZ, EI04308280903)
[37]	Zhou. Bing-hai, Xi. Li-feng, A framework of order evaluation and negotiation for SMMEs in networked manufacturing environments, International Journal of Computer Integrated Manufacturing, 2007, 20(2-3): 199-210.(SCI 162DX, EI 071310515568)
[38]	Runqing Huang, Lifeng Xi, C. Richard Liu, Jay Lee. Prognostics for ball bearing based on neural networks and Morlet Wavelet, Materials Science Forum 2005, (505-507): 1153-1158 (SCI BDT79, EI 8907282)
	[39] ZHOU Bing-hai, XI Li-feng. A beam-search-based algorithm for the tool switching problem on a flexible machine, International Journal of Advanced Manufacturing Technology, 2005, 25(9-10):876-882.(SCI 921VE,

	EI 05209098737)
[40]	Shichang Du, Lifeng Xi, Ershun Pan, and C. Richard Liu. Product Lifecycle-Oriented Quality and Productivity Improvement Based on Stream of Variation Methodology. Computers in industry,2008,59(2-3):180-192. (SCI , EI 080311021458)
[41]	Wang Shi-jin, Xi Li-feng, Zhou Bing-hai. Filtered-Beam-Search-Based Algorithm for Dynamic Rescheduling in FMS. Robotics and Computer-Integrated Manufacturing. 2007 23(4): 457-468 (SCI 167GS, EI 071310518770)
[42]	Wu Bin, Zhou Bing-hai, Xi Li-feng. Remote multi-robot monitoring and control system based on MMS and Web Services. Industrial Robot – An International Journal. 2007, 34(3): 225-239. (SCI 176NY, EI 071310515568)
[43]	Yu Jianbo, Wang Shijin, Xi Lifeng. Evolving artificial neural networks using an improved PSO and DPSO. Neurocomputing, 2008, 71(4-6):1054-1060. (EI 080611080210)
[44]	Runqing Huang, Lifeng Xi, Xinglin Li , C. Richard Liu, Hai Qiu, Jay Lee, Residual life predictions for ball bearing based on Self-Organizing Map and back propagation neural network, Mechanical Systems and Signal Processing, 2006 29(5): 577-583 (SCI 109XZ, EI 064210180561)
[45]	Du Shi-chang, Xi Li-feng, Shi Jian-jun. Distributed sensor system for fault detection and isolation in multistage manufacturing systems. International Journal of Computer Applications in Technology, 2006, 25 (4):182-191 (EI 06219898533)
[46]	Xiaojun Zhou, Lifeng Xi, Jay Lee, A dynamic opportunistic maintenance policy for continuously monitored systems, International Journal of Quality in Maintenance Engineering, 2006, 12(3): 294-305 (EI 9128271)
[47]	Shichang Du, Lifeng Xi, Ershun Pan, and C. Richard Liu. Modeling and Control of Dimensional Quality of A Serial Multi-station Machining System, International Journal of Reliability, Quality and Safety Engineering, 2006,13(5):399-420. (EI 064710255253)
[48]	Shichang Du, Lifeng Xi, Ershun Pan, Diagnosability Study for Quality Improvement based on Distributed Sensing and Information Technology. International Journal of Computer Applications in Technology, 2007, 28(2-3), 117-127 (EI 9653883)
[49]	ZHOU Bing-hai, WANG Shi-jin, XI Li-feng. Data model design for manufacturing execution system. Journal of Manufacturing Technology Management, 2005, 16(8):909-935 (EI 05479487413)
[50]	Na Geng and Zhibin Jiang*, Stochastic Programming Based Capacity Planning for Semiconductor Wafer Fab. with Uncertain Demand and Capacity, European Journal of Operational Research, 2009, 198(3), : 899-908 (IF 1.627)
[51]	Yanfei Lee, and Zhibin Jiang*, Multiple-Objective Scheduling and Real-Time Dispatching for the Semiconductor Manufacturing System, Computers & Operations Research , 2009, 36 (3), 866 – 884. (SCI收录, IF 1.36).
[52]	Yan Ye, Zhibin Jiang*, Xiaodi Diao, Dong Yang, Gang Du, An ontology-based hierarchical semantic modeling approach to clinical pathway workflows, Computers in Biology and Medicine, 39 (2009)：pp722 -- 732. （SCI收录，IF1.272）
[53]	Liu Ran, Jiang Zhibin*, Chen Feng, and Richard Y. K. Fung, Two-phase Heuristic Algorithms for Full Truckloads Multi-depot Capacitated Vehicle Routing Problem in Carrier Collaboration, Computers & Operations Research已录用, 2009.
[54]	Huai Zhang, Zhibin Jiang* and Chengtao Guo, An Optimized Dynamic Bottleneck Dispatching Policy or Semiconductor Wafer Fabrication, International Journal of Production Research, 2009, 47（2）: 3333 – 3343. (SCI收录, IF 0.774)
[55]	Na Geng and Zhibin Jiang*, A Review on Mid- and Short-term Capacity Planning for Semiconductor Manufacturing Industry, International Journal of Production Research, 2009, 47（13）：pp13639 – 3655. (SCI收录, IF 0.774)
[56]	Lin Li and Zhibin Jiang*, Self-adaptive dynamic scheduling of virtual production systems, International Journal of Production Research, 45(9), May 2007: 1937 – 1951. (SCI 052QJ, IF 0.774)
[57]	Lin Li and Zhibin Jiang*, Formal design and analysis of a hybrid supervisory control structure for Virtual Production Systems, International Journal of Production Research, Vol. 44, No. 13, 1 July 2006, 2479 – 2497. （SCI 052QJ, IF 0.774）
[58]	Furong Tan; Zhibin Jiang, and Suk Joo Bae; Generalized Linear Mixed Models for Reliability Analysis of Repairable Systems, IEEE Transactions on Reliability, 56(1), March 2007, pp 106-114. (SCI 152OV, IF 1.315)
[59]	Hu, Hongtao; Jiang, Zhibin*; Zhang, Hua, A dynamic WIP control strategy for bottlenecks in wafer fabrication system, International Journal of Production Research录用, June, 2009.
	Jiang, Z. B., Zuo, M. J., Fung, Richard Y. K., and Tu, Y. L., Temporized Colored Petri Nets with Changeable

[60]	Structure (CPN-CS) for Performance Modeling of Dynamic Production Systems, International Journal of Production Research, 38(8), May 2000, pp1917-1945. (SCI 319WT)
[61]	Jiang, Z. B., Zuo, M. J., and Tu, Y. L., Colored Petri Nets with Changeable Structures (CPN-CS) and their Applications in Modeling One-of-a-Kind Production (OKP) Systems, Computer and Industry Engineering, 41 (3), Dec. 2001, pp.279-308. （SCI收录，493GD, IF1.057)
[62]	Feng Liang , Richard Y K Fung*, Zhibin Jiang, T. N. Wong, A Hybrid Control Architecture and Coordination Mechanism in Virtual Manufacturing Enterprise, International Journal of Production Research, 46(13), pp3641-3663, July 2008
[63]	Liu H. R., Fun R. Y. K, and Jiang Z. B*., Modeling of semiconductor fabrication systems by extended object-oriented Petri nets, International Journal of Production Research, 43(3), Feb, 2005, pp.471-495.（SCI收录，890ON）
[64]	Huiran Liu, Zhibin Jiang*, and Richard Y. K. Fung, The Infrastructure of the timed EOPNs-based Multiple-objective Real-time Scheduling System for 300mm Wafer FAB, International Journal of Production Research, 45(21), Nov. 2007, 5017-5056.
[65]	Huiran Liu*, Zhibin Jiang, and Richard Y.K. Fung, Performance modeling, real-time dispatching and simulation of wafer fabrication systems using timed extended object-oriented Petri nets, Computers & Industrial Engineering, 56 (1), p.121-137, Feb 2009. （SCI收录，IF1.057）
[66]	Fung, Richard Y. K*. Jiang, Z. B., Zuo, Ming J. and Tu, Paul Y. L., Adaptive Production Scheduling of Virtual Production Systems Based on Object-Oriented Petri Nets with Changeable Structure Modeling, International Journal of Production Research，40(8), pp.1759-1785, May 2002。(SCI收录， 556TN)
[67]	Lin Li and Zhibin Jiang*, A hybrid supervisory control approach for virtual production systems, International Journal of Advanced Manufacturing System, 32(9-10), April 2007: 1034-1044. (SCI 152KW)
[68]	Feng Liang and Zhibin Jiang*, Rapid reconfiguration of job production control system based on soft component technology, International Journal of Advanced Manufacturing System, 30（11-12）, Oct. 2006, pp.1154-1164。（SCI 094DI）
[69]	Zhiying Zhang, Zhibin Jiang*, and Chengquan Y, Automated Flame Rectification Process Planning System in Shipbuilding Based on Artificial Intelligence, International Journal of Advanced Manufacturing System, 2006, V30(12-12) 1119-1125. （SCI 094DI）