

Journal Paper

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1. Wang K.-J.♣ and Chen M.-J. (2008) Cooperative capacity planning and resource allocation by mutual outsourcing using ant algorithm in a decentralized supply chain, *Expert Systems With Applications*, to appear in 40(4), accepted. (SCI)
2. Yu, J.C.P., Wee*, H.M., and Wang K.-J. (2008) Supply chain partnership for three-echelon on deteriorating inventory model, *Journal of Industrial and Management Optimization (JIMO)*, accepted. (SCI)
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6. Wang K.-J.♣, Lin Y.-S., Chien C.-F., and Chen J. C. (2008) A fuzzy-knowledge resource-allocation model of the semiconductor final test industry, *Journal of Robotics and Computer-Integrated Manufacturing*, accepted. (SCI)
7. Yang, S.-J.♣, Yang, F.-C., Wang, K.-J. Chandra, Y. (2008) Optimizing resource portfolio planning for capital-intensive industries under process-technology progress, *International Journal of Production Research*, accepted. (SCI)
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12. Chih W.-H♣, Fu J., and Wang K.-J. (2007) A neural network based approach for tolerance analysis, *Journal of the Chinese Institute of Industrial Engineers*, 24(5), 366-377. (TSSCI) (EI)
13. Wang K.-J.♣, Wang S. M. and Yang S.-J. (2007) A resource portfolio model for equipment investment and allocation of semiconductor testing industry, *European Journal of Operational Research*, 179 (2), 390-403. June 2007 (SCI) (NSC 94-2213-E-259-012)
14. Wang K.-J.♣ and Lin, Y. S. (2007) Resource allocation by genetic algorithm with fuzzy inference, *Expert Systems With Applications*, 33(4), 1025-1035. Dec 2007. (SCI)

15. Wang K.-J. ♣, Lee, S.-J., Yeh, C.-F. and T.-C. Huang (2007) Operating an effective resource allocation for wire bonders in semiconductor assembly industry, *Production Planning and Control*, 18(3), 226-238, April 2007. (SCI)
16. Wang S.-M., Chen J., and Wang K.-J. ♣ (2007) Resource portfolio planning of make-to-stock products using a constraint programming based genetic algorithm, *Omega-International Journal of Management Science*, 35(2), 237-246. (SSCI) (SCI). (NSC-93-2213-E-259-026) (NSC 94-2213-E-259-012)
17. Wang K.-J. ♣, Lin J. T., and Weigert G. (2007) Agent-based single-loop interbay control in semiconductor manufacturing, *Production Planning and Control*, 18(2), 74-90 March 2007. (SCI) (NSC-93-2213-E-259-026)
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20. Wang S.-M., Chen, J.-C., Wee H.-M. ♣, and Wang K.-J. (2006) Non-linear stochastic optimization using genetic algorithm for portfolio selection, *International Journal of Operations Research*, 3(1), 1-8.
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32. Wang K.-J.♣, Wee, H. M., Yu, J., and Kung, K. Y. (2006) Coordinated resource allocation by mutual outsourcing in decentralized supply chain, *Lecture Notes in Computer Science (LNCS)*, LNCS 4247, pp. 766 – 773. (SCIE)
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37. Wang K.-J. ♣, Wee H. M., Twu S. H., and Gao S. F. (2001) A look-ahead Wagner-Whitin algorithm for chaotic demands, *Journal of the Chinese Institute of Industrial Engineers*, 18(4), 1-12. (in Chinese) (EI) (TSSCI) (NSC-89-2213-E-033-008) 榮獲中國工業工程學刊 2002 年「工業工程論文獎」
38. Wang K.-J. ♣ and Chou C. H. (2001) Modeling of agent-based manufacturing systems, *Journal of the Chinese Institute of Industrial Engineers*, 18(1), 1-14. (in Chinese) (NSC-88-2213-E-033-020) (EI) (TSSCI)
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