

Journal Papers from 2010.8 to 2015.8

1. **Kuo, R.J.** and Chang, J.W., “Intelligent RFID positioning system through immune-based feed-forward neural network,” *Journal of Intelligent Manufacturing*, 26(4), 755-767, 2015. **(SCI, IF: 1.731, 10/40, Engineering, Manufacturing)**
2. **Kuo, R.J.**, Lee, Y.H., Zulvia, F.E., & Tien, F.C. “Solving bi-level linear programming problem through hybrid of immune genetic algorithm and particle swarm optimization algorithm,” *Applied Mathematics and Computation*, 266, 1013-1026, September 2015. **(SCI, IF: 1.551, 35/255, Mathematics, Applied)**
3. **Kuo, R.J.**, W.C. Cheng, Lien, W.C., and Yang, T.J., “A medical resource forecasting model for emergency room patients with acute hepatitis,” *International Journal of Medical, Health, Biomedical and Pharmaceutical Engineering*, 9(5), 343-348, 2015.
4. **Kuo, R.J.** Huang, M.H., Cheng, W.C., Lin, C.C., and Wu, Y.H., “Application of a two-stage fuzzy neural network to a prostate cancer prognosis system,” *Artificial Intelligence in Medicine*, 63(2), 119-133, February 2015. **(SCI, IF: 2.019 40/123, Computer Science, Artificial Intelligence)**
5. **Kuo, R.J.** and Zulvia, F.E., “The gradient evolution algorithm: a new metaheuristic,” *Information Sciences*, 316, 246-265, September 2015. **(SCI, IF: 4.038, 6/139, Computer Science, Information Systems)**
6. Yang, C.L., **Kuo, R.J.**, Chien, C.H. and Nguyen, T.P.Q, “Non-dominated sorting genetic algorithm using fuzzy membership chromosome for categorical data clustering,” *Applied Soft Computing*, 30, 113-122, May 2015. **(SCI, IF: 2.810, 17/123, Computer Science, Artificial Intelligence)**
7. **Kuo, R.J.**, Pai, C.M., Lin, R.H., and Chu, H.C., “The integration of association rule mining and artificial immune network for supplier selection and order quantity allocation,” *Applied Mathematics and Computation*, 250, 958-972, January 2015. **(SCI, IF: 1.551, 35/255, Mathematics, Applied)**
8. **Kuo, R.J.**, Huang, Y.D., Lin, C.C., Wu, Y.H., and Zulvia, F.E., “Automatic kernel clustering with bee colony optimization algorithm,” *Information Sciences*, 283, 107-122, November 2014. **(SCI, IF: 4.038, 6/139, Computer Science, Information Systems)**
9. **Kuo, R.J.**, Chiang, N.J., and Chen, Z.Y., “Integration of artificial immune system and K-means algorithm for customer clustering,” *Applied Artificial Intelligence*, 28(6), 577-596, 2014. **(SCI, IF: 0.527, 197/249, Engineering, Electrical & Electronic)**
10. **Kuo, R.J.**, Chen, S.S., and Cheng, W.C., “Integration of artificial immune network and K-means for cluster analysis,” *Knowledge and Information Systems*, 40(3), 541-557, September 2014. **(SCI, IF: 1.782, 30/139, Computer Science, Information Systems)**
11. Liao, T.W., Chang, P.C, **Kuo, R.J.**, and Liao, C.J., “A comparison of five hybrid metaheuristic algorithms for unrelated parallel-machine scheduling and inbound trucks sequencing in multi-door cross docking systems,” *Applied Soft Computing*, 21, 180-193, August 2014. **(SCI, IF: 2.810, 17/123, Computer Science, Artificial Intelligence)**
12. Hsu, C.-W., **Kuo, R. J.** and Chiou, C.-Y., “A multi-criteria decision making approach for evaluating carbon performance of suppliers in the electronics industry,” *International Journal of Environmental Science and Technology*, 11(3), 775-784, April 2014. **(SCI, IF: 2.190, 86/221, Environmental Sciences)**
13. **Kuo, R.J.** Hung, S.Y., and Cheng, W.C., “Application of an optimization artificial immune network and particle swarm optimization-based fuzzy neural network to an RFID-based

- positioning system,” *Information Sciences*, 262, 78-98, March 2014. (SCI, IF: 4.038, 6/139, Computer Science, Information Systems)
14. **Kuo, R.J.**, and Hong, C.W., “Integration of genetic algorithm and particle swarm optimization for investment portfolio optimization,” *Applied Mathematics and Information Sciences*, 7(6), 2397-2408, 2013. (2013 SCI, IF: 1.232, 53/251, Mathematics, Applied)
 15. **Kuo, R.J.**, Shih, M.J., Zhang, C.W., and Chen, K.Y., “The application of an artificial immune system-Based back-propagation neural network with feature selection to an RFID positioning system,” *Robotics and Computer-Integrated Manufacturing*, 29(6), 431-438, December 2013. (SCI, IF: 2.305, 19/102, Computer Science, Interdisciplinary Applications)
 16. **Kuo, R.J.** and Cheng, W.C., “Hybrid meta-heuristic algorithm for job shop scheduling with due date time window and release time,” *International Journal of Advanced Manufacturing Technology*, 67(1-4), 59-71, July 2013. (SCI, IF: 1.458, 17/40, Engineering, Manufacturing)
 17. **Kuo, R.J.** and Chen, C.M., “Hybrid of artificial immune system and particle swarm optimization-based support vector machine for radio frequency identification-based positioning system,” *Computers and Industrial Engineering*, 64(1), 333-341, January, 2013. (SCI, IF: 1.783, 30/102, Computer Science, Interdisciplinary Applications)
 18. **Kuo, R.J.**, Tseng, W.L. Tien, F.C., and Liao, T. W., “Application of an artificial immune system-based fuzzy neural network to a RFID-based positioning system,” *Computers and Industrial Engineering*, 63(4), 943-956, December, 2012. (SCI, IF: 1.783, 30/102, Computer Science, Interdisciplinary Applications)
 19. Liao, T.W., **Kuo, R.J.**, and Hu, T.L., “Hybrid ant colony optimization algorithms for mixed discrete-continuous optimization problems,” *Applied Mathematics and Computation*, 219(6), 3241-3252, November, 2012. (SCI, IF: 1.551, 35/255, Mathematics, Applied)
 20. **Kuo, R.J.**, Zulvia, F.E., and Suryadi, K., “Hybrid particle swarm optimization with genetic algorithm for solving capacitated vehicle routing problem with fuzzy demand- A case study on garbage collection system,” *Applied Mathematics and Computation*, 219(5), 2574-2588, November, 2012. (SCI, IF: 1.551, 35/255, Mathematics, Applied)
 21. **Kuo, R.J.**, Wang C.F., and Chen, Z.Y., “Integration of growing self-organizing map and continuous genetic algorithm for grading lithium-ion battery cells,” *Applied Soft Computing*, 12(8), 2012-2022, August 2012. (SCI, IF: 2.810, 17/123, Computer Science, Artificial Intelligence)
 22. **Kuo, R.J.**, Akbaria, K, and Subroto, B., “Application of particle swarm optimization and perceptual map to tourist market segmentation,” *Expert Systems with Applications*, 39(10), 8726-8735, August 2012. (SCI, IF: 2.240, 29/123, Computer Science, Artificial Intelligence)
 23. **Kuo, R. J.**, Wu, Y. H., and Hsu, T. S., “Integration of fuzzy set theory and TOPSIS into HFMEA to improve outpatient service for elderly patients in Taiwan,” *Journal of the Chinese Medical Association*, 75(7), 341-348, July 2012. (SCI, IF: 0.845, 106/153, Medicine, General & Internal)
 24. **Kuo, R.J.**, Syu, Y.J. Chen, Z.Y., and Tien, F.C., “Integration of particle swarm optimization and genetic algorithm for dynamic clustering,” *Information Sciences*, Vol. 195, pp.124-140, July 2012. (SCI, IF: 4.038, 6/139, Computer Science, Information Systems)
 25. **Kuo, R.J.** and Lin, Y.J., “Supplier selection using analytical network process and data envelopment analysis,” *International Journal of Production Research*, 50(11), 2852-2863,

- June, 2012. **(SCI, IF: 1.477, 15/40, Engineering, Manufacturing)**
26. **Kuo, R.J.**, Wu, Y.H., Hsu, T.S. and Chen, L.K., “Improving outpatient services for elderly patients in Taiwan: a qualitative study,” *Archives of Gerontology and Geriatrics*, 53(2), e209-e217, September 2011. **(SCI, IF: 1.853, 31/50, Geriatrics & Gerontology)**
 27. **Kuo, R.J.**, Wu, Y.H., and Chen, L.K., “Inability of waist-to-height ratio to predict new onset diabetes mellitus among older adults in Taiwan: A five-year observational cohort study,” *Archives of Gerontology and Geriatrics*, 53(1), e1-e4, July 2011. **(SCI, IF: 1.853, 31/50, Geriatrics & Gerontology)**
 28. **Kuo, R.J.** and Han, Y.S., “A hybrid of genetic algorithm and particle swarm optimization for solving bi-level linear programming problem- a case study on supply chain model,” *Applied Mathematical Modelling*, 35(8), 3905-3917, August 2011. **(SCI, IF: 2.251, 18/137, Mechanics)**
 29. **Kuo, R.J.**, Wang, M.J., and Huang, T.W., “An application of particle swarm optimization algorithm to clustering analysis,” *Soft Computing*, 15(3), 533-542, 2011. **(SCI, IF: 1.271, 65/123, Computer Science, Artificial Intelligence)**
 30. **Kuo, R.J.**, Hu, T.L., and Chen, Z.Y., “Integration of SOM network and evolutionary algorithm to train RBF network for forecasting,” *International Journal of Innovative Computing, Information and Control*, 7(4), 1959-1970, April 2011. **(2010 SCI, IF: 1.667, 12/60, Automation & Control Systems)**
 31. **Kuo, R.J.** and Yang, J.Y., “Simulation optimization using particle swarm optimization algorithm with application to assembly line design,” *Applied Soft Computing*, 11(1), 605-613, January 2011. **(SCI, IF: 2.810, 17/123, Computer Science, Artificial Intelligence)**
 32. **Kuo, R.J.**, Chao, C.M., and Chiu, Y.T., “Application of particle swarm optimization to association rule mining,” *Applied Soft Computing*, 11(1), 326-336, January 2011. **(SCI, IF: 2.810, 17/123, Computer Science, Artificial Intelligence)**
 33. **Kuo, R.J.**, Hong, S.Y., and Huang Y.C., “Integration of particle swarm optimization-based fuzzy neural network and artificial neural network for supplier selection,” *Applied Mathematical Modelling*, 34(12), 3976-3990, December 2010. **(SCI, IF: 2.251, 18/137, Mechanics)**
 34. **Kuo R.J.** and Lin, L.M., “Application of a hybrid of genetic algorithm and particle swarm optimization algorithm for order clustering,” *Decision Support Systems*, 49(4), 451-462, November 2010. **(SCI, IF: 2.313, 16/139, Computer Science, Information Systems)**
 35. **Kuo, R.J.**, Huang, C.J., and Hu, T.L., “Normal vector-controlled particle swarm optimization algorithm for solving bi-level linear programming problem,” *ICIC Express Letters- An International Journal of Research and Surveys*, 4(5(A)), 1417-1424, October 2010. **(EI)**
 36. **Kuo, R.J.** and Lin, F.J., ”Application of particle swarm optimization-based clustering method to reduce SMT setup time for industrial PC manufacturer in Taiwan,” *International Journal of Innovative Computing, Information, and Control*, 6(8), 3381-3400, August 2010. **(2010 SCI, IF: 1.667, 12/60, Automation & Control Systems)**
 37. **Kuo, R.J.**, Wang, Y.C. and Tien, F.C., “Integration of artificial neural network and MADA methods for green supplier selection,” *Journal of Cleaner Production*, 18(12), 1161-1170, August 2010. **(SCI, IF: 3.844, 24/221, Environmental Sciences)**