

學術論文著作目錄

1. **(Q1)** Yu, T. T., Chen, C. Y., Wu, T. H., & Chang, Y. C. Application of high-dimensional uniform manifold approximation and projection (UMAP) to cluster existing landfills on the basis of geographical and environmental features. *Science of The Total Environment*, 904, 167013, 2023. (SCIE, IF = **9.8**, 20/334, Q1, Env. Sci.)
2. **(Q1)** Wu, T. H., Huang, S. W., Lin, M. C., & Wang, H. H., Energy security performance evaluation revisited: From the perspective of the energy supply chain. *Renewable and Sustainable Energy Reviews*, 182, 113375, 2023. (SCIE, IF= **15.9**, 2/46, Q1, Green and Sustainable Sci.; 8/119, Q1, Energy & Fuels)
3. Wu, T. H., Lin, M. C., Ting, P. J., & Huang, J. Y. Do academic directors matter? Evidence from Taiwan equity market. *International Review of Finance*, 1-26, 2023 (SSCI)
4. Wu, T.-H., & Liang, J.-F., A Bibliometric Overview of Research Articles of Industrial Engineering and Management in Taiwan between 1975 and 2020. *Journal of Management and Systems*, 29(4), 561-606, 2022 (TSSCI)
5. **(Q2)** Tai-Hsi Wu, Pei Ju Lucy Ting, Mei-Chen Lin and Chia-Chi Chang, “Corporate Ownership and Firm Performance: A Mediating Role of Innovation Efficiency,” *Economics of Innovation and New Technology*, 31(4), 292-319, 2022 (SSCI, IF=2.459, 130/376, Economics (2020); 2021)
6. **(Q1)** Shi-Wei Huang, Yung-Fu Chung, Tai-Hsi Wu*, “Analyzing the Relationship between Energy Security Performance and Decoupling of Economic Growth from CO₂ Emissions for OECD Countries “, *Renewable and Sustainable Energy Review*, 152, 111633, 2021 (SCI, IF=14.982; 1/44, Green and Sustainable Science and Technology; 7/114, Energy & Fuels)
7. **(Q2)** Tai-Hsi Wu, Yung-Fu Chung, Shi-Wei Huang, “Evaluating global energy security performances using an integrated PCA/DEA-AR technique”, *Sustainable Energy Technologies and Assessments*, 45, 101041, 1-17, 2021 (SCI, IF=5.353; 40/114, Energy & Fuels)
8. Tai-Hsi Wu, Shao-Jen Weng, Ruei-Bin Pan, Seung-Hwan Kim, Don Gotcher, Yao-Te Tsai, “Exploring service quality combining Kano model and importance-performance analysis customer satisfaction of luxury housing service management,” *International Journal of Services, Economics and Management*, 11, 71-95, 2020 (Scopus)
9. Tai-Hsi Wu, Shao-Jen Weng, Yi-Ta Lin, Seung-Hwan Kim, Don Gotcher, “Investigating the importance and cognitive satisfaction attributes of service quality

in restaurant business - a case study of TASTy steakhouse in Taiwan,” *Journal of Foodservice Business Research*, 23, 263-284, 2020 (Scopus/ProQuest/EBSCOhost)

10. **(Q2)** Tai-Hsi Wu, H.-L. Chih, Mei-Chen Lin, “A Data Envelopment Analysis-based Methodology Adopting Assurance Region Approach for Measuring Corporate Social Performance,” *Social Indicators Research*, 148, 863-892, 2020 (**SSCI**, IF=2.614; 33/110, Social Sciences, Interdisciplinary)
11. Su-Ying Hung、Tai-Hsi Wu*, “An extended DEA Model for Hospital Performance Evaluation considering Medical Manpower Shortage and Quality of Care: Taking Acute Care Hospitals in Taiwan as Examples”, *Journal of Business Administration*, 44, 57-89, 2019 (**EconLit**)
12. **(Q1)** Yu-Shan Chen, Yu-Hsien Lin, Tai-Hsi Wu, Shu-Tzu Hung, Pei-Ju Lucy Ting, and Chen-Han Hsieh, Re-examine the determinants of market value from the perspectives of patent analysis and patent litigation”, *Scientometrics*, 120, 1-17, 2019 (**SSCI**, IF=3.238; 32/86, Information Science & Library Science; **2018:20/89**)
13. **(Q2)** Tai-Hsi Wu & Mei-Chen Lin, “Relationship of CEO Inside Debt and Corporate Social Performance: A Data Envelopment Analysis Approach,” *Finance Research Letters*, 29, 308-314, 2019 (**SSCI**, IF=5.596; 6/108, Business, Finance; **2018:44/103**)
14. **(Q1)** Tai-Hsi Wu*, Yu-Shan Chen, Wenfang Shang, Jung-Tang Wu, “Measuring energy use and CO2 emission performances for APEC economies,” *Journal of Cleaner Production*, 183, 590-601, 2018 (**SCI**, IF=9.297; 3/44, Green & Sustainable Science & Technology)
15. Jinn-Yi Yeh, Si-Wa Chan, Tai-Hsi Wu, "Mining Breast Cancer Classification Rules from Mammograms," *Journal of Intelligent Systems*, 25, 19-36, 2016
16. Chien-Wei Wu, James C. Chen & Tai-Hsi Wu, "A Flexible Sampling Scheme for Variables Inspection with Loss Consideration," *Journal of Statistical Computation and Simulation*, 85, 3766-3777, 2015 (**SCI**)
17. J-Y Huang, C-C Chiou, Tai-Hsi Wu*, “An integrated DEA-MODM methodology for portfolio optimization,” *Operational Research International Journal*, 15, 115-136, 2015 (*corresponding author) (**SCI**)
18. **(Q2)** Tai-Hsi Wu*, Jinn-Yi Yeh, Yueh-Min Lee, “A Particle Swarm Optimization Approach with Refinement Procedure for Nurse Rostering Problem,” *Computers and Operations Research*, 54, 52-63, 2015 (**SCI**, IF=4.008; 17/49, Engineering, Industrial)
19. **(Q1)** Chien-Wei Wu, Tai-Hsi Wu, Y.-L. Chen, “Developing a Variables Repetitive

- Group Sampling Scheme by Considering Process Yield and Quality Loss,” *International Journal of Production Research*, 53, 2239-2251, 2015 (SCI, IF=8.568; 4/49, Engineering, Industrial)
20. 黃俊穎、吳泰熙*、簡呈企，「世界各主要國家高速鐵路公司營運績效評估之研究」，*商管科技期刊*，16(1), 113-143, 2015。(*通訊作者)
 21. Jinn-Yi Yeh, Tai-Hsi Wu, Wei-Jun Tsai, “Bleeding and Ulcer Detection Using Wireless Capsule Endoscopy Images,” *Journal of Software Engineering and Applications*, 7, 422-432, 2014.
 22. (Q1) Chin-Chih Chang, Tai-Hsi Wu*, and Chien-Wei Wu, “An efficient approach to determine cell formation, cell layout and intracellular machine sequence in cellular manufacturing systems,” *Computers & Industrial Engineering*, 66, 438-450, 2013 (*corresponding author) (SCI, IF=5.431; 21/112, Computer Science, Interdisciplinary Applications)
 23. (Q1) Jinn-Yi Yeh, Tai-Hsi Wu, and Chuan-Wei Tsao, “Using Data Mining Techniques to Predict Hospitalization of Hemodialysis Patients,” *Decision Support Systems*, 50, 439-448, 2011 (SCI, IF=5.795; 27/162, Computer Science, Information Systems)
 24. (Q1) Shu-Hsing Chung, Tai-Hsi Wu*, Chin-Chih Chang, "An efficient tabu search algorithm to the cell formation problem with alternative routings and machine reliability considerations," *Computers & Industrial Engineering*, 60, 7-15, 2011 (*corresponding author) (SCI, IF=5.431; 21/112, Computer Science, Interdisciplinary Applications)
 25. (Q1) Tai-Hsi Wu, S.-H. Chung, C.-C. Chang, “A water flow-like algorithm for manufacturing cell formation problems,” *European Journal of Operational Research*, 205, 346-360, 2010 (SCI, IF=5.334; 15/84, Operations Research & Management Science)
 26. Tai-Hsi Wu, Ming-Hsung Chen, and Jinn-Yi Yeh, “Measuring the performance of police forces in Taiwan using data envelopment analysis,” *Evaluation and Program Planning*, 33, 246-254, 2010 (SSCI)
 27. (Q2) J. Yeh, Tai-Hsi Wu, “Cascade of genetic algorithm and decision tree for cancer classification on gene expression data”, *Expert Systems*, 27, 201-218, 2010 (SCI, IF=2.587; 31/110, Computer Science, Theory & Methods)
 28. (Q1) Tai-Hsi Wu, S.-H. Chung, and C.-C. Chang, “A hybrid heuristic algorithm adopting both Boltzmann function and mutation operator for manufacturing cell formation problems,” *International Journal of Production Economics*, 120, 669-688, 2009 (SCI, IF=7.885; 3/84, Operations Research & Management Science)

29. Abbas Al-Refaie, Tai-Hsi Wu, and Ming-Hsien Li, "DEA approaches for solving the multi-response problem in Taguchi method," *Artificial Intelligence for Engineering Design, Analysis and Manufacturing*, 23, 159-173, 2009 (SCI)
30. (Q1) Tai-Hsi Wu, S.-H. Chung, and C.-C. Chang, "Hybrid simulated annealing algorithm with mutation operator to the cell formation problem with alternative process routings," *Expert Systems with Applications*, 36, 3652-3661, 2009 (SCI, IF=6.954; 8/84, Operations Research & Management Science)
31. 葉進儀、吳泰熙、李凱平,「結合模糊理論及馬可夫鏈評估顧客價值」, 資訊管理學報, 第十六卷、第一期, 頁 109-134, 2009。 (TSSCI)
32. (Q1) Tai-Hsi Wu, C.-C. Chang, and S.-H. Chung, "A simulated annealing algorithm for manufacturing cell formation problems," *Expert Systems with Applications*, 34, 1609-1617, 2008 (SCI, IF=6.954; 8/84, Operations Research & Management Science)
33. J.-F. Chen and Tai-Hsi Wu, "On solution of the single allocation p-hub median problem," *Journal of Chinese Institute of Industrial Engineering*, 25(1), 11-17, 2008. (EI, TSSCI)
34. (Q2) J. Yeh, Tai-Hsi Wu, and J.-M. Chang, "Parallel genetic algorithms for product configuration management on PC cluster systems," *International Journal of Advanced Manufacturing Technology*, 31, 1233-1242, 2007. (SCI, IF=3.226; 26/61, Engineering, Manufacturing)
35. 吳泰熙、邱創鈞、賴志昌,「以協力進化遺傳演算法求解容器堆疊問題」, 技術學刊, 22(2), 2007.
36. 吳泰熙、鄭豐聰、趙楷,「以加入升溫機制之模擬退火演算法求解單原片方形物件排列」, 技術學刊, 22(3), 2007.
37. (Q2) J.-F. Chen and Tai-Hsi Wu, "Vehicle routing problem with simultaneous deliveries and pickups," *Journal of Operational Research Society*, 57(5), 579-587, 2006 (SCI, SSCI, IF=2.860; 34/84, Operations Research & Management Science)
38. (Q1) J.-F. Chen and Tai-Hsi Wu, "Total tardiness minimization on unrelated parallel machine scheduling with auxiliary equipment constraints," *Omega*, 34(1), 81-89, 2006 (SCI, SSCI, IF=7.084; 5/84, Operations Research & Management Science)
39. 吳泰熙、吳奕樺、張欽智,「以基因演算法求解單原片方形物件排列問題」, 科學與工程技術期刊, 第二卷、第三期, 頁 75-83, 2006。
40. 葉進儀、吳泰熙、張維昌,「結合平行基因演算法與排列啟發式方法解二維長方形排列問題」, 品質學報, 第十三卷、第一期, 頁 59-70, 2006。 (EI)
41. Tai-Hsi Wu, J.-Y. Yeh, C.-C. Chang, "Solving generalized assignment problem using Lagrangian relaxation," *Journal of Quality*, 12(4), 313-322, 2005. (EI)
42. J. Yeh and Tai-Hsi Wu, "Solutions for product configuration management: an empirical study," *Artificial Intelligence for Engineering Design Analysis and Manufacturing*, 19(1), 39-47, 2005. (SCI)

43. **(Q2)** C. Low, Y. Yip, and T.-H. Wu, 2004, "Modelling and heuristics of FMS scheduling with multiple objectives," *Computers and Operations Research*, 33, 674-694, 2005. (SCI, IF=4.008; 17/49, Engineering, Industrial)
44. **(Q2)** C. Low, T.-H. Wu, and C. M. Shu, "Mathematical modeling of Multi-Objective Job Shop Scheduling with Dependent Setups and Re-Entrant Operations," *International Journal of Advanced Manufacturing Technology*, 27(1-2), 181-189, 2005. (SCI, IF=3.226; 26/61, Engineering, Manufacturing)
45. 余豐榮、吳泰熙、許智豪, 「應用田口損失函數於 x 管制圖經濟設計之研究」, 品質學報, 第十二卷、第二期, 頁 161-170, 2005。 **(EI)**
46. C.-H. Wang, D.-L. Yang, T.-H. Wu, and W.-H. Kuo, "Impact of inspection errors on the lot size problem," *Journal of Information and Optimization Science*, 25(2), 331-348, 2004. **(EI)**
47. Tai-Hsi Wu, J.-Y. Yeh, and Y.-R. Syau, "A tabu search approach to the generalized assignment problem," *Journal of Chinese Institute of Industrial Engineering*, 21(3), 301-311, 2004. **(EI/TSSCI)**
48. **(Q2)** Tai-Hsi Wu, Chinyao Low, and Wen-Tien Wu, "A tabu search approach to the cell formation problem," *International Journal of Advanced Manufacturing Technology*, 23, 916-924, 2004. (NSC 90-2218-E-212-012, NSC 91-2213 -E-212-018) (SCI, IF=3.226; 26/61, Engineering, Manufacturing)
49. **(Q2)** Tai-Hsi Wu, Jeng-Fung Chen, and Jinn-Yi Yeh, "A decomposition approach to the cell formation problem with alternative process plans," *International Journal of Advanced Manufacturing Technology*, 24, 834-840, 2004. (NSC 90-2218-E-212-012) (SCI, IF=3.226; 26/61, Engineering, Manufacturing)
50. **(Q1)** Tai-Hsi Wu, Jeng-Fung Chen, Chinyao Low, and Pang-Ting Tang, "Nesting of two-dimensional parts in multiple plates using hybrid algorithm," *International Journal of Production Research*, 41(16), 3883-3900, 2003. (SCI, IF=8.568; 4/49, Engineering, Industrial)
51. **(Q1)** Tai-Hsi Wu, Jen-Nan Lin, "Solving the competitive discretionary service facility location problem," *European Journal of Operational Research*, 144(2), 366-378, 2003. (NSC 88-2416-H-212-007) (SCI, IF=5.334; 15/84, Operations Research & Management Science)
52. **(Q2)** Tai-Hsi Wu, Chinyao Low, Jiunn-Wei Bai, "Heuristic solutions to multi-depot location-routing problems," *Computers and Operations Research*, 29, 1393-1415, 2002. (NSC 89-2213-E-212-043) (SCI, IF=4.008; 17/49, Engineering, Industrial)
53. **(Q1)** Chinyao Low, Tai-Hsi Wu, "Mathematical modeling and heuristic approaches to operating scheduling problems in an FMS environment," *International Journal of Production Research*, 39(4), 689-708, 2001. (SCI, IF=8.568; 4/49, Engineering, Industrial)

54. Yu-Ru Syau, Chinyao Low, Tai-Hsi Wu, "A note on convex fuzzy process," *Applied Mathematics Letters*, 15, 193-196, 2001. (SCI)
55. Tai-Hsi Wu, Weishing Chen, and Fong-Jon Yu, "An optimal software reliability design integrating the allocation model and the n-version programming technique," *International Journal of Quality and Reliability Management*, 16(2), 133-147, 1999. (EI, ABI)
56. Weishing Chen, Tai-Hsi Wu, "A nonhomogeneous software reliability model based on Zipf's law," *International Journal of Quality and Reliability Management*, 14(4), 409-431, 1997. (EI, ABI)
57. (Q1) Tai-Hsi Wu, "A note on a global approach for general 0-1 fractional programming," *European Journal of Operational Research*, 101, 220-223, 1997. (SCI, IF=5.334; 15/84, Operations Research & Management Science)
58. (Q1) Tai-Hsi Wu, Kai-I Huang, and Weishing Chen, "Optimal scheduling plan for a coal shipment problem: an efficient approach", *Computers and Industrial Engineering*, 29, pp.489-493, 1995. (SCI, IF=5.431; 21/112, Computer Science, Interdisciplinary Applications)
59. (Q1) Kai-I Huang, and Tai-Hsi Wu, "Computer-aided process planning for robotic assembly", *Computers and Industrial Engineering*, 29, pp. 653-657, 1995. (SCI, IF=5.431; 21/112, Computer Science, Interdisciplinary Applications)
60. Nadeem Chaudhary, Tai-Hsi Wu, "Mixed integer programs for optimizing signal settings in traffic networks, part II: linear transformation of nonlinear constraints," *Application of Management Science: Network Optimization Applications*, 9, 175-185, 1995.
61. 吳泰熙, 葉進儀, 黃玟錫, 「以模擬退火演算法求解不規則物件排列問題」, 技術學刊, 第十九卷、第三期, 頁 213-220, 2004。
62. 吳泰熙, 陳正芳, 徐俊誠, 「含取貨之車輛途程問題解法之研究」, 工業工程學刊, 第二十卷、第六期, 頁 651-665, 2003。 (NSC 91-2213-E-212-018) (EI/TSSCI)
63. 吳泰熙、宋明弘, 陳信宏, 「整合性配銷管理數學模式之啟發式求解法」, 管理與系統, 第九卷、第二期, 頁 223-237, 2002。 (NSC 86-2416-H-212-001, NSC 89-2213-E-212-043) (TSSCI)
64. 吳泰熙、黃開義, 游世民, 「結合配銷需求規劃及車輛途程考量之配銷管理模式」, 管理與系統, 第八卷、第三期, 頁 349-371, 2001。 (NSC 86-2416-H-212-001) (TSSCI)
65. 吳泰熙、黃金智, 楊懿淑, 「以禁忌搜尋演算法求解確定型及隨機型多車種車輛途程問題」, 工業工程學刊, 第十八卷、第二期, 頁 102-112, 2001。 (NSC 89-2213-E-212-043) (EI/TSSCI)
66. 吳泰熙、林建男, 「競爭型路徑需求商店位址決策模式之構建及分析」, 工業工程學刊, 第十七卷、第二期, 頁 157-167, 2000。 (NSC 88-2416-H-212-007)

(EI/TSSCI)

67. 吳泰熙、林東養，「多尺寸方形排列問題啟發式解法之研究」，工業工程學刊，第十七卷、第一期，頁 75-85，2000。(NSC 89-2212-E-212-011) **(EI/TSSCI)**
68. 吳泰熙、巫智斌，「多目標、多機種飛航排程問題之研究」，大葉學報，第九卷、第二期，頁 29-43，2000。(NSC 87-2416-H-212-002)
69. 吳泰熙、曹家齊，「多目標決策分析技術應用於遊憩設施區位設置」，工業工程學刊，第十六卷、第四期，頁 495-506，1999。**(EI/TSSCI)**
70. 駱景堯、吳泰熙、張俊仁，「結合模糊理論與遺傳基因演算法於多目標彈性製造系統排程問題研究」，工業工程學刊，第十六卷、第三期，頁 391-404，1999。

(EI/TSSCI)

71. 吳泰熙、張哲嘉，「緊急醫療網路模式建立之研究」，工業工程學刊，第十六卷、第三期，頁 299-315，1999。**(EI/TSSCI)**
72. 吳泰熙、張欽智，「應用禁忌搜尋法則於多目標推銷員旅行問題之求解」，工業工程學刊，第十五卷、第六期，頁 589-603，1998。**(EI/TSSCI)**
73. 吳泰熙、黃開義、陳佳慧，「以配銷需求規劃(DRP)為核心之配銷管理模式」，工業工程學刊，第十五卷、第四期，頁 325-336，1998。(NSC 86-2416-H-212-001)

(EI/TSSCI)

74. 黃開義、吳泰熙、劉愷信，「裝配程序之系統化評估及人工智慧規劃模式之建立」，大葉學報，第六卷、第一期，頁 73-85，1997。
75. 吳泰熙、張欽智，「以禁忌搜尋法則求解推銷員旅行問題」，大葉學報，第六卷、第一期，頁 87-99，1997。
76. 吳泰熙、陳偉星，「Software reliability allocation model and its fuzzy application: an extended model,」大葉學報，第四卷、第一期，頁 49-62，1995。