**學術著作目錄**

**1. 期刊論文**

1. Hsin-Hung Cheng, ***Kwan Ouyang***\*, “Development of a Strategic Policy for Unmanned Autonomous Ships: A Study on Taiwan,” Maritime Policy & Management, 2020. (https://doi.org/10.1080/03088839.2020.1768315) (SSCI) (**Corresponding author.**)
2. ***Kwan Ouyang***\*, Chuan-Tien Li, Jui-Heng Chang, “Appling an Intelligent Parameter Design Combined with Taguchi Method on the Performance of Multi-Objective of a PEM Fuel Cell Stack,” Journal of Taiwan Society of Naval Architects and Marine Engineers, Vol. 38, No. 3-4, pp. 133-155, 2019. (EI) (**Corresponding author.**)
3. Hsin-Hung Cheng, ***Kwan Ouyang***\*, “Guidelines for Unmanned Autonomous Vessels for Seaworthiness.” The International Journal of Organization Innovation, Vol. 12, No. 2, pp.155-166, 2019. (**Corresponding author.**)
4. ***Kwan Ouyang***, Min-Feng Sung, Che-Yin Lee, Yean-Der Kuan, “Numerical Analysis of Noise Generated by Passenger Car Radial Tires with Various Pitch Angles,” Journal of Applied Science and Engineering, Vol. 21, Issue 01, pp. 17-24, 2018. (EI)
5. Hsin-Hung Cheng, ***Kwan Ouyang***\*, “Safety Management and Formal Safety Assessment: A Study of the Taiwan Area,” Aeronautics and Aerospace Open Access Journal, Vol. 21, Issue 01, 2017. (**Corresponding author.**)
6. ***Kwan Ouyang***, Horng-Wen Wu, Shun-Chieh Huang, Sheng-Ju Wu, “Optimum parameter design for performance of methanol steam reformer combining Taguchi method with artificial neural network and genetic algorithm,” Energy, Vol. 133, 446-458, 2017. (SCI)
7. Reui-Kuo Lin, Shun-Feng Tsai and ***Kwan Ouyang***, “Application of DRP scheme Solving for Rotating Disk Driven Cavity,” International Journal of Computational Engineering Research, Vol. 5, Issue 02, pp. 46-52, 2015.
8. ***Kwan Ouyang***, Reui-Kuo Lin and Shun-Feng Tsai, “Numerical Study of Disk Drive rotating Flow Structure in the Cavity,” International Journal of Research in Engineering and Technology, Vol. 4, Issue 01, pp. 294-304, 2015.
9. ***Kwan Ouyang***, Reui-Kuo Lin, Sheng-Ju Wu and Wen-Hann Sheu, “The Numerical Analysis of Flow Field on Warship Deck,” International Journal of Engineering Research, Vol. 4, No. 3, pp. 118-112, 2015.
10. Che-Yin Lee, Hsin-Heng Huang, Shi-Min Lee and ***Kwan Ouyang***, “Optimization of Low Wattage Thermosyphon by Taguchi Method and Numerical Simulation,” Journal of Aeronautics, Astronautics and Aviation, Vol. 47, No. 2, pp. 101-106, 2015. (EI)
11. Che-Yin Lee, Hsin-Heng Huang, Shi-Min Lee and ***Kwan Ouyang***, “Numerical Simulation of the Heat Transfer Characteristics of Low-Watt Thermosyphon Influence Factors,” Journal of Applied Science and Engineering, Vol. 17, No. 4, pp. 423-428, 2014. (EI)
12. ***Kwan Ouyang***, Sheng-Ju Wu, and Huang-Hsin Huang, “Optimum Parameter Design of Microbubble Drag Reduction in a Turbulent Flow by the Taguchi Method Combined With Artificial Neural Networks,” Journal of Fluids Engineering, Vol. 15, No. 11, pp. 111301-111311, 2013. (SCI)
13. ***歐陽寬***\*、陳明華、劉祖彰、劉宗龍、吳聖儒，“二相流數值模式應用於超空蝕魚雷之初步研究”，台北海洋技術學院學報，第6卷第一期，pp. 1-17，2013。(通訊作者)
14. ***歐陽寬***\*、王固祺、王逸萍、吳聖儒，“田口穩健設計應用於微氣泡減阻之參數分析”，台北海洋技術學院學報，第3卷第一期，pp. 1-14，2010。(通訊作者)
15. Sheng-Ju Wu, ***Kwan Ouyang*** and Sheau-Wen Shiah, “Robust design and numerical simulation on drag reduction by a mixture film for liquid turbulence in a channel,” International Journal of Numerical Methods in Fluids, Vol. 60, No. 10, pp. 1079-1102, 2009. (SCI)
16. 吳聖儒、***歐陽寬***、夏曉文，“電化學產氣裝置應用於水下潛體之微氣泡減阻實驗”，中正嶺學報，第36卷第2期，pp. 1-14，2008。(EI)
17. Sheng-Ju Wu, ***Kwan Ouyang*** and Sheau-Wen Shiah, “Robust design of microbubble drag reduction in a channel flow using the Taguchi method ,” Ocean Engineering, Vol. 35, pp. 856-863, 2008. (SCI)
18. ***歐陽寬***\*、吳聖儒、葉婉凌，“田口方法應用於微氣泡減阻之穩健設計”，中國海事商業專科學校學報，第2卷第一期，pp.57-76，2006。(通訊作者)
19. ***歐陽寬***\*、吳聖儒、李湘鈞、賴文豪，“船體表面塗裝對船體減阻之研究”，中國海事商業專科學校學報，第1卷第一期，pp.45-68，2006。(通訊作者)
20. ***歐陽寬***，“緩坡度上孤立波碎波之數值模擬”，八十九學年度中國海事商業專科學校學報，pp.151-171，2001。
21. C.-R. Chou and ***K. Ouyang***, “Breaking of solitary waves on uniform Slopes,” China Ocean Engineering, Vol. 13, No. 4, pp. 429-442, 1999. (EI)
22. C.-R. Chou and ***K. Ouyang***, “The Deformation of Solitary Waves on Steep Slopes,” Journal of the Chinese Institute of Engineers, Vol. 22, No. 6, pp.805-812, 1999. (SCI)
23. T. W. H. Sheu, S.-M. Lee, ***K. Ouyang*** and B. J. Y. Chiou, “A Non-oscillating Solution Technique for Skew Upwind and QUICK-family Schemes,” Computational Mechanics, Vol. 8, No. 6, pp. 365-382, 1991. (SCI)

**2. 研討會論文**

1. ***Kwan Ouyang***, Hsin-Hung Cheng, “Strategic Policy for marine engine room in the unmanned autonomous vessel,” 2019 International Symposium on Novel and Sustainable Technology, Tainan City, Taiwan, 2019.
2. 蘇昱齊、陳志峰、董正鈦、陳秋妏、***歐陽寬***，“鹽水港溪沉積物中多環芳香烴濃度分布與潛在來源評估”，中華民國環境工程學會2018土壤與地下水研討會，2018。
3. Hsin-Hung Cheng, ***Kwan Ouyang***, “Establish of Standard for Marine Engine Room in the Unmanned Autonomous Vessel,” 2018 International Symposium on Novel and Sustainable Technology, Tainan City, Taiwan, 2018. (**Corresponding author**.)
4. Hsin-Hung Cheng, ***Kwan Ouyang***, “Development of the Standard for Intelligent Marine Room in Unmanned Autonomous Vessel Based on Satellite Position System,” 第三十屆中國造船暨輪機工程研討會暨國科會成果發表會，2018。(**Corresponding author**.)
5. 吳聖儒、蘇儀萱、劉宗龍、***歐陽寬***，“應用計算智能在潛艇垂向運動多品質特性之參數設計”，第三十屆中國造船暨輪機工程研討會暨國科會成果發表會，2018。
6. Reui-Kuo Lin, ***Kwan Ouyang***, Jen-Chieh Wu, Shi-Min Lee, “River flooding on Taipei city area inundation,” The Asian Conference on Sustainability, Energy and the Environment, ACSEE, 2015.
7. ***Kwan Ouyanga***, Reui-Kuo Lina, Chi-Fang Chenb, Sheng-Ju Wu, “The numerical analysis of flow field on warship deck,” International Symposium on Fundamental and Applied Sciences (ISFAS), 2015.
8. Reui-Kuo Lin, ***Kwan Ouyang***, Chun-Hao Chang, Wei-Ting Chiang, “Numerical Exploration of Swirling Flow in a Rotating Disk-Driven Cavity,” Asian Conference on Engineering and Natural Sciences, (ACENS), 2015. (**Corresponding author**.)
9. ***Kwan Ouyang***, Reui-Kuo Lin, Jia-Ying Wu, Hsiang-An Tsou, and Kwan-Tun Lee, “Numerical simulation for three-dimensional dam-break flow by level set method,” The Asian Conference on Sustainability, Energy and the Environment 2014.
10. 于令易、林昇翰、林瑞國、蔡順峰、***歐陽寬***、林博雄，“台北都市微氣候模擬與觀測分析”， 第20屆全國計算流體力學學術研討會，2013。
11. 袁倫康、廖威霖、林瑞國、蔡順峰、李賢德、***歐陽寬***、林博雄，“可移動式氣象觀測與數值模擬分析”，第20屆全國計算流體力學學術研討會，2013。
12. 吳聖儒、劉宗龍、陳冠宇、***歐陽寬***，“潛艦螺槳之數值模擬與參數設計”，第二十五屆中國造船暨輪機工程研討會暨國科會成果發表會，2013。
13. 吳聖儒、吳偉銘、***歐陽寬***，“高速潛體空化特性數值模擬與智慧型參數設計”，第十八屆全國計算流體力學學術研討會，2011。
14. 吳聖儒、***歐陽寬***、溫奎，“結合微氣泡與微壕溝減阻實驗研究”，第十三屆水下技術研討會暨國科會成果發表會，C2-10，2011。
15. 吳聖儒、***歐陽寬***、吳偉銘，“高速潛體空化特性穩健參數設計”，第十三屆水下技術研討會暨國科會成果發表會，C2-9，2011。
16. Sheng-Ju Wu1, ***Kwan Ouyang*** and Chia-Wei Hsu, “Metamodeling Techniques in Support of Robust Design on Minimizing the Drag of a Trimaran Model,” 4th Asia-Pacific Conference on Systems Engineering, 2010.
17. 吳聖儒、***歐陽寬***、許家瑋，“高速三體船阻力特性之穩健參數設計”，第二十二屆中國造船暨輪機工程研討會暨國科會成果發表會，2010。
18. 吳聖儒、***歐陽寬***、謝家豪，“水下噴射推進系統數值模擬與參數設計”，第二十一屆中國造船暨輪機工程研討會暨國科會成果發表會，No. C-26，2009。
19. 吳聖儒、***歐陽寬***，“微氣泡於紊流場減阻之特性研究”， 第17屆國防科技學術研討會，2008。
20. 吳聖儒、歐陽寬、黃信皇，“渠道內液體紊流場微氣泡減阻之穩健參數”，第二十屆中國造船暨輪機工程研討會暨國科會成果發表會，No. A-07，2008。
21. 吳聖儒、吳貞欽、***歐陽寬***、張維綱，“微氣泡產氣模組參數設計對水下潛體減阻影響研究”，第十九屆中國造船暨輪機工程研討會，2007。
22. 吳聖儒、***歐陽寬***、葉婉凌，“應用田口方法對微氣泡在渠道流中減阻之穩健設計”，第15屆國防科技學術研討會，2006。
23. ***歐陽寬***、夏曉文、楊福正、蘇勇誠、張百禹，“船舶電力-PEM燃料電池性能之實驗研究”，第十八屆中國造船暨輪機工程研討會暨國科會成果發表會，2006。
24. ***歐陽寬***、夏曉文、楊福正、蘇勇誠、張百禹，“水下載具電瓶參數化之設計”，第十八屆中國造船暨輪機工程研討會暨國科會成果發表會，2006。
25. 吳聖儒、***歐陽寬***、李川田，“船型在不同負載狀況之阻力數值模擬”，第十八屆中國造船暨輪機工程研討會暨國科會成果發表會，2006。
26. 吳聖儒、葉婉凌、***歐陽寬***，“應用實驗計畫法對微氣泡減阻參數分析”，第十八屆中國造船暨輪機工程研討會暨國科會成果發表會，2006。
27. 周宗仁、***歐陽寬*，**“孤立波在斜坡上碎波特性之數值模擬”，第二十一屆海洋工程研討會論文集，pp.198-204，1999。
28. C.-R. Chou and ***K. Ouyang***, “Numerical study of solitary wave on a mild slope,” Proc. of the 8th International Offshore and Polar Engineering Conference, Montreal, Canada, Vol. III, pp. 165~169, May 24-29, 1998.
29. C.-R. Chou and ***K. Ouyang***, “Development of numerical irregular wave making Channel,” Proc. Of the 8th Japan-China symposium on Boundary Element Method, Beijing, China, pp. 142~149, May 11-15, 1998.
30. 周宗仁、石瑞祥、***歐陽寬***、王禮邦，“緩波上孤立波變形之數值研究”，第十九屆海洋工程研討會論文集，pp.122~128，11月，1997。
31. 許文翰、李世鳴、邱珍元和***歐陽寬***，“An Assessment of Various Schemes on Incompressible Navier-Stokes Flows”，中華民國第十三屆全國力學會議，pp.1045-1054，1989。