

取得前一等級教師資格後之著作學術著作目錄

1. 期刊論文

1. Kwan Ouyang, Tzeng-Yuan Chen, Jun-Jie You (2024), “Utilizing the Taguchi Method to Optimize Rotor Blade Geometry for Improved Power Output in Ducted Micro Horizontal-Axis Wind Turbines,” Sustainability, 16 (11), 4692. (SCI; 5-Year Impact Factor: 4.0; 5-Year Quartile: Q2, Rank: 50/129 in Environmental studies category)
2. Tzeng-Yuan Chen, Chih-Cheng Yang, **Kwan Ouyang*** (2024), “An Experimental and Numerical Study on the Cavitation and Spray Characteristics of Micro-Orifice Injectors under Low-Pressure Conditions,” Energies, 17(5), 1045. (SCI; 5-Year Impact Factor: 3.3; 5-Year Quartile: Q3, Rank: 80/119 in Energy & Fuels category) (**Corresponding author.**)
3. **Kwan Ouyang**, Tzeng-Yuan Chen, Wei-Jen Mao (2024), “Experimental study on air extraction performance of novel rooftop natural ventilators,” International Journal of Ventilation, 23(1), pp. 39-50. (SCI; 5-Year Impact Factor: 1.5; 5-Year Quartile: Q4, Rank: 103/119 in Energy & Fuels category)
4. **Kwan Ouyang**, Tseng-Yuan Chen, Jun-You Wu (2023), “Numerical study of optimum parameter design for film cooling effectiveness by Taguchi method,” International Journal of Heat and Fluid Flow, Vol. 100, pp.109118. (SCI; 5-Year Impact Factor: 2.8; 5-Year Quartile: Q2, Rank: 24/63 in Thermodynamics category)
5. Hsin-Hung Cheng, **Kwan Ouyang***(2021), “Development of a Strategic Policy for Unmanned Autonomous Ships: A Study on Taiwan,” Maritime Policy & Management, Vol.48(3), pp. 316-330. (SSCI; 5-Year Impact Factor: 3.5; 5-Year Quartile: Q3, Rank: 30/50 in Transportation category) (**Corresponding author.**)
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8. **Kwan Ouyang**, Min-Feng Sung, Che-Yin Lee, Yean-Der Kuan (2018), “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. (EI)
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10. **Kwan Ouyang**, Horng-Wen Wu, Shun-Chieh Huang, Sheng-Ju Wu (2017), “Optimum parameter design for performance of methanol steam reformer combining Taguchi method with artificial neural network and genetic algorithm,” Energy, Vol. 138, 446-458. (SCI, 5-Year Impact Factor: 8.3; 5-Year Quartile: Q1, Rank: 21/155 in Energy & Fuels category)
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2. 研討會論文

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2. 吳俊由、陳增源、**歐陽寬**、李世鳴，“以田口方法探討結合新月形沙丘及三角片孔洞之薄膜冷卻效率”，中華民國力學會第 45 屆全國力學會議，線上會議，2021。(通訊作者)
3. 劉品妘、鄭吉宏、李哲尹、管衍德、李世鳴、**歐陽寬**，“車用熱交換器之模擬分析與性能量測”，中華民國力學會第 45 屆全國力學會議，線上會議，2021。
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3. 專書

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