

吉宗驥 博士後研究員

學歷：

國立清華大學材料工程學系 博士

檢測諮詢項目：

高解析穿透式電子顯微鏡操作、分析與試片製備

HRTEM 影像模擬

手磨 TEM 試片製備

諮詢時間：

周一至周五 08:00-17:00

聯絡方式：

辦公室:材料實驗館 R111 電話(03)571-5131 分機:33845

信箱: chong-chichi@mx.nthu.edu.tw

專長：

穿透式電子顯微鏡操作、分析與 HRTEM 影像模擬

硬磁材料

磁性奈米粒子

超高真空系統操作與維護

著作：

- Carbon encapsulation of ferromagnetic L10FePt nanocrystals with an enhanced coercivity from distorted lattices, Chong-Chi Chi, Chao-Chi Tseng, Guan-Ren Huang, Hsin-Jung Tsai, Chuenhou (Hao) Ouyang, Wen-Kuang Hsu, Journal of Materials Research and Technology Volume 13, July - August 2021, Pages 83-88
- Synthesis of SiC/SiO₂ core-shell nanowires with good optical properties on Ni/SiO₂/Si substrate via ferrocene pyrolysis at low temperature. Bo-Yu Chen, Chong-Chi Chi, Wen-Kuang Hsu, Hao Ouyang. *Scientific Reports* 2021, 11 (1)
- Reverse-Engineering Strain in Nanocrystallites by Tracking Trimerons, Rachel Nickel, C.-C. Chi, Ashok Ranjan, Chuenhou Ouyang, John W. Freeland, Johan van Lierop, Adv. Mater. 2021, 33, 2007413

- 3C-SiC-induced peak emission intensity in photoluminescence spectrum of SiC/SiO₂ core - shell nanowires using first-principles calculations, Song-Ming Hsu, Shan-Haw Chiou, Chong-Chi Chi, Bo-Yu Chen, and Chuenhou (Hao) Ouyang, *AIP Advances* 11, 065214 (2021)
- Selective Growth of WSe₂ with Graphene Contacts, Yu-Ting Lin, Xin-Quan Zhang, Po-Han Chen, Chong-Chi Chi, Erh-Chen Lin, Jian-Guo Rong, Chuenhou Ouyang, Yung-Fu Chen & Yi-Hsien Lee , *Nanoscale Research Letters* volume 15, Article number: 61 (2020)
- Carbon Encapsulation of High Entropy Alloy Nanoparticles with Extraordinary Coercivity and Saturation at Room Temperature, Chao-Chi Tseng, Chong-Chi Chi, Hsin-Jung Tsai, Jien-Wei Yeh, Hao Ouyang, Wen-Kuang Hsu, *Particle & Particle Systems Characterization*. 2020, 37, 2000137
- L10 FePt Films with Optimal (001) Texture on Amorphous SiO₂/Si Substrates for High-Density Perpendicular Magnetic Recording Media. Jin-Yan Chiou, H. W. Chang, Chong-Chi Chi, Ching-Hung Hsiao, and Chuenhou Ouyang, *ACS Applied Nano Materials* 2019, 2, 9, 5663-5673
- Direct Synthesis of Large-Scale Multilayer TaSe₂ on SiO₂/Si Using Ion Beam Technology, Hsu-Sheng Tsai*, Fan-Wei Liu, Jhe-Wei Liou, Chong-Chi Chi, Shin-Yi Tang, Changan Wang, Hao Ouyang, Yu-Lun Chueh, Chaoming Liu, Shengqiang Zhou, and Wei-Yen Woon, *ACS Omega* 2019, 4, 17, 17536-17541
- Non-layered Ti₂N synthesized by plasma process for the anodes of lithium-ion batteries, Hsu-Sheng Tsai, Chih-Hao Hsu, Chong-Chi Chi, Yi-Chung Wang, Fan-Wei Liu, Shin-Yi Tang, Cho-Jen Tsai, Hao Ouyang, Yu-Lun Chueh and Jenq-Horng Liang, *Inorg. Chem. Front.*, 2019, 6, 172-175
- ALD-TaO_x layer with point contact openings enabled by in-situ formed nanoparticles for front interface passivation of kesterite solar cells”, Wei-Chih Huang, Chong-Chi Chi, Jeff Lin, Hao Ouyang, Tzu-Ying Lin, Chih-Huang Lai, manuscript in preparation.