Stanford



Yu-Chuan Hao

Masters Student in Electrical Engineering, admitted Autumn 2026

Professional

WORK EXPERIENCE

- Engineer - Taiwan Semiconductor Manufacturing Company (March 22, 2021)

Publications

PUBLICATIONS

- **Thermal stability and microstructural evolution of nanotwinned Ag thin films: Downward grain growth and annealing nanotwin formation** *SURFACE & COATINGS TECHNOLOGY*
  Hao, Y., Chang, L., Ouyang, F.
  2026; 532

- **Improvement of thermomigration resistance in lead-free Sn3.5Ag alloys by Ag interlayer** *JOURNAL OF ALLOYS AND COMPOUNDS*
  Lin, Y., Hao, Y., Ouyang, F.
  2020; 847

- **Application of Atmospheric-Pressure-Plasma-Jet Modified Flexible Graphite Sheets in Reduced-Graphene-Oxide/Polyaniline Supercapacitors.** *Polymers*
  Hao, Y. C., Nurzal, N., Chien, H. H., Liao, C. Y., Kuok, F. H., Yang, C. C., Chen, J. Z., Yu, I. S.
  2020; 12 (6)

- **Atmospheric-pressure-plasma-jet processed carbon nanotube (CNT)-reduced graphene oxide (rGO) nanocomposites for gel-electrolyte supercapacitors.** *RSC advances*
  Kuok, F. H., Chien, H. H., Lee, C. C., Hao, Y. C., Yu, I. S., Hsu, C. C., Cheng, I. C., Chen, J. Z.
  2018; 8 (6): 2851-2857

- **Improved performance of polyaniline/reduced-graphene-oxide supercapacitor using atmospheric-pressure-plasma-jet surface treatment of carbon cloth** *ELECTROCHIMICA ACTA*
  Chien, H., Liao, C., Hao, Y., Hsu, C., Cheng, I., Yu, I., Chen, J.
  2018; 260: 391-399