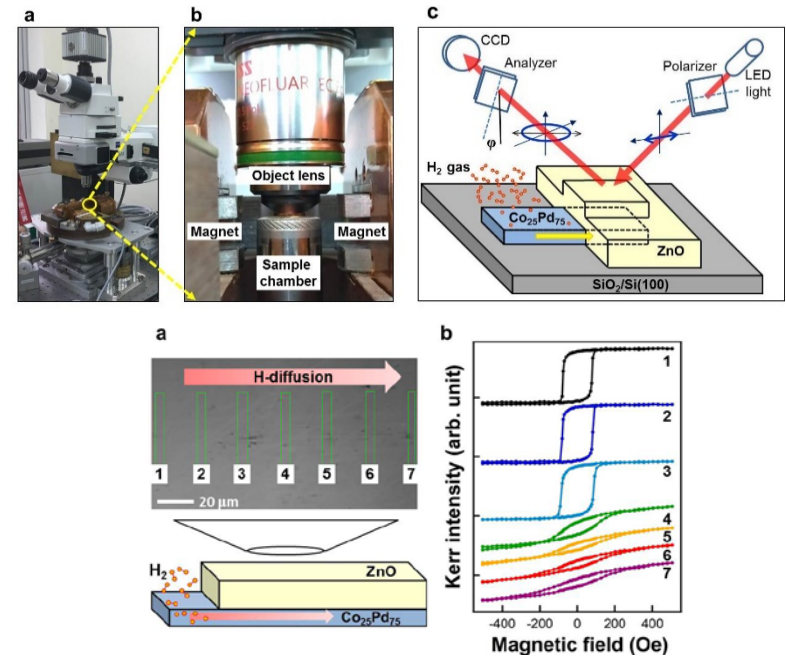


Our research focuses on various low-dimensional magnetic materials, such as magnetic thin films and nanoparticle assemblies. We also combined the magnetic materials with different functional 2D-materials to form spintronic devices for applications.

Techniques used in study

My primary techniques are UHV-MBE, CVD-growth of 2D materials, Scanning tunneling microscope, Atomic force microscope, Magneto-optical Kerr microscope and etc.



Wen-Chin Lin, Professor

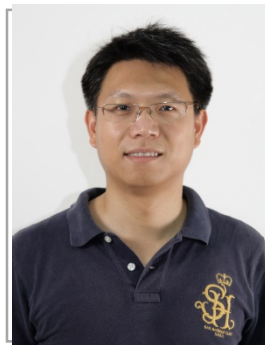
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Background:

PhD in Physics, National Taiwan University

Funding:

Ministry of Science and Technology



Publications

- Visualizing hydrogen diffusion in magnetic film through magneto-optical Kerr effect P.-C. Chang, Y.-Y. Chang, W.-H.Wang, F.-Y. Lo, W.-C. Lin, *Communications Chemistry* 2:89 (2019).
- Height reversal after Au deposition on MoS₂ flakes/SiO₂: thermal control of interfacial nucleation, Y.-H. Shen, C.-C. Hsu, P.-C. Chang, W.-C. Lin, *Appl. Phys. Lett.* 114, 181601 (2019).
- Hydrogen-mediated magnetic domain formation and domain wall motion in Co₃₀Pd₇₀ alloy films, P.-C. Chang, C.-M. Liu, C.-C. Hsu, and W.-C. Lin, *Scientific Reports* 8:6656 (2018)

