

Flexible Optoelectronic Materials & Devices Lab



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Education:

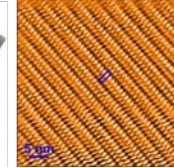
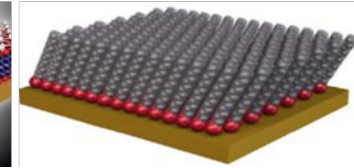
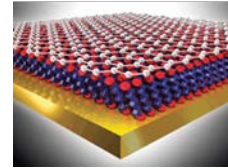
PhD. of Materials Sci. and Eng.,
National Taiwan University

Lectures:

- Chemistry (I)
- Organic Optoelectronic Materials
- Vacuum Technology & Application
- Flexible Optoelectronic Materials0

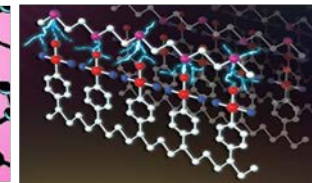
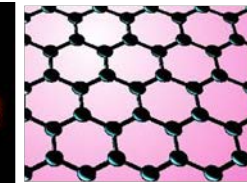
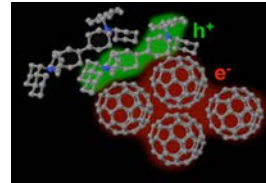
• Surface Chemistry & Functionalization

Atomic Layer Deposition
Molecular Layer Deposition
Self-Assembly Monolayer



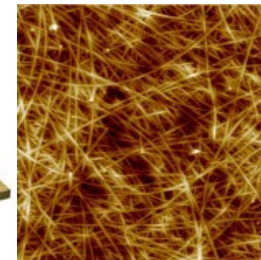
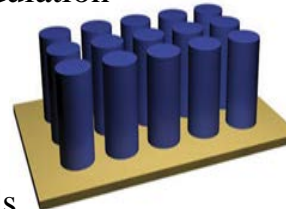
• Interfacial Engineering

Functional Thin Films
Interfacial Properties
Work-Function Modulation



• Low-Dimensional Nanomaterials

Nanoparticles
Nanowires/Nanorods
Layered Nanomaterials



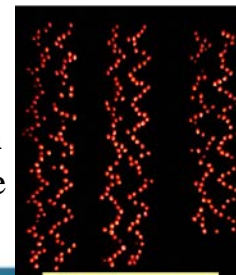
• Flexible Optoelectronic Materials & Devices

Organic Solar Cells
Hybrid Perovskite Solar Cells
Next-Generation Photosensors



• Biosensing Devices & System

Wearable Self-Powered Device
Implantable Bioelectronics



Light up 353 LED



Light up 240 LEDs



Light up 25 LEDs

