

Nano Optoelectronics Lab



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Education:

PhD. of Materials Sci. and Eng.,
National Tsing Hua University

Lectures:

- Materials science (I)
- Calculus (I)
- Advanced Thermodynamics of Materials
- Design of Nano Optoelectronic Devices

• Growth, Synthesis, and Device Fabrication of Nanomaterials

Quantum Dots

Nanowires

2D Materials

• Electron-Beam Lithography Technology

Fabrication of Nanodevices

Plasmonic Structures

E-Beam Fabrication of Sensitive Materials

• Solar Cells

Organic-Inorganic Hybrid Solar Cells

Nano Photovoltaics

Perovskite Solar Cells

• Display Technology

Development of Quantum Display

Research and Development of

Functional Films

