ZnO Micro and Nanocrystals
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NNIN Facilities utilized: Characterization Facility & Nanofabrication Center

- **DESCRIPTION OF WORK**
  - Patterned, Grew and Transferred ZnO Micro and Nanocrystals with Size and Location Control
  - Integrated ZnO Microcrystals with Tailored Dimensions Forming Light Emitting Diodes and UV Photovoltaic Cells

- **MAJOR OBSERVATIONS**
  - Reduced ZnO defects by oxygen plasma treatment
  - Demonstrated functional microdevices specifically LEDs and photovoltaic cells using ZnO/GaN heterojunction

- **Publications**