ADVANCES IN III-V SEMICONDUCTOR NANOWIRES AND NANODEVICES

www.ebooks.benthamscience.com/book/9781608050529

About the eBook

This eBook is an account of recent progress in the synthesis, characterization, physical properties, device fabrication, and applications of binary compound and ternary alloy III-V semiconductor nanowires. The book is written at the expert level, but also serves as a guide for researchers or graduate students aiming to enter semiconductor research.

Contents

- General Synthetic Strategies for III-V Nanowires
- Growth, Properties, and Device Applications of III-Nitride Nanowire Heterostructures
- III-Phospide Nanowires
- Growth of III-Arsenide/Phosphide Nanowires by Molecular Beam Epitaxy
- III-Antimonide Nanowires
- III-V Ternary Nanowires
- III-V Semiconductor Nanowire Transistors
- III-V Semiconductor Nanowire Light Emitting Diodes and Lasers
- III-V Semiconductor Nanowire Solar Cells

For Sales and Advertising Inquiries: Contact: marketing@benthamscience.net