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**Author:**  
Yongqi Fu  
China

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## Subwavelength Optics Theory and Technology

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### About the ebook

This is a concise book on issues and considerations in designing, nanofabrication and characterization of subwavelength plasmonic structures as well as their applications in imaging, superfocusing, semiconductor lasers, data storage, optical communications, biosensing, and immunoassays.

#### Contents

- ▶ MAXWELL EQUATIONS AND ELECTROMAGNETIC WAVE PROPAGATION
- ▶ ANALYSIS APPROACHES AND ALGORITHMS FOR PLASMONIC STRUCTURES
- ▶ NEAR-FIELD SCANNING OPTICAL MICROSCOPE AND APPLICATIONS
- ▶ METAMATERIALS
- ▶ TOP-DOWN APPROACHES
- ▶ BOTTOM-UP APPROACHES
- ▶ CHARACTERIZATIONS
- ▶ NANOHOLES ARRAY AND APPLICATIONS

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