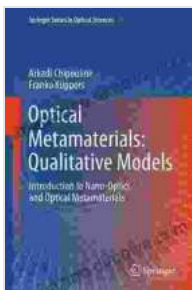


Introduction to Nano Optics and Optical Metamaterials

A Comprehensive Guide for Researchers and Engineers

This book provides a comprehensive overview of the field of nano optics and optical metamaterials, covering both fundamental principles and cutting-edge research. It is written by leading experts in the field and provides a unique perspective on the latest developments in this rapidly evolving area.



Optical Metamaterials: Qualitative Models: Introduction to Nano-Optics and Optical Metamaterials (Springer Series in Optical Sciences Book 211) by John Calipari

★★★★★ 5 out of 5

Language : English
File size : 83252 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 473 pages



Nano optics is the study of the interaction of light with matter at the nanoscale. This field has been rapidly growing in recent years due to the development of new nanofabrication techniques. Optical metamaterials are artificial materials that have been designed to have specific optical properties. These materials can be used to create a variety of new optical devices, such as lenses, filters, and sensors.

This book covers a wide range of topics in nano optics and optical metamaterials, including:

- The fundamental principles of nano optics
- The design and fabrication of optical metamaterials
- The optical properties of optical metamaterials
- The applications of optical metamaterials

This book is a valuable resource for researchers and engineers working in the field of nano optics and optical metamaterials. It provides a comprehensive overview of the field and a unique perspective on the latest developments in this rapidly evolving area.

Table of Contents

- 1.
2. The Fundamental Principles of Nano Optics
3. The Design and Fabrication of Optical Metamaterials
4. The Optical Properties of Optical Metamaterials
5. The Applications of Optical Metamaterials
- 6.

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Dr. Vladimir M. Shalaev is a Professor of Electrical Engineering and Computer Science at Purdue University. He is a leading expert in the field of nanophotonics and optical metamaterials. He has published over 500

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Dr. Sergey A. Kivshar is a Professor of Physics at the Australian National University. He is a leading expert in the field of nonlinear optics and metamaterials. He has published over 400 papers in peer-reviewed journals and has been awarded numerous prestigious awards, including the APS Edward Bouchet Award.

Reviews

"This book is a comprehensive and up-to-date overview of the field of nano optics and optical metamaterials. It is written by leading experts in the field and provides a unique perspective on the latest developments in this rapidly evolving area. This book is a valuable resource for researchers and engineers working in the field of nano optics and optical metamaterials."

- Professor Federico Capasso, Harvard University

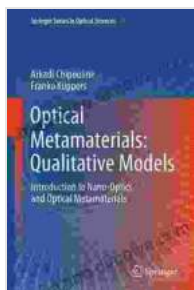
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- Professor David R. Smith, Duke University

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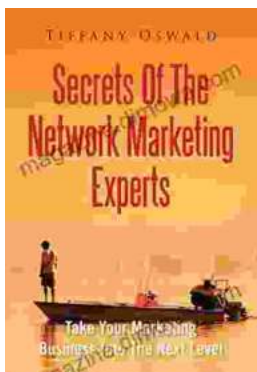
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