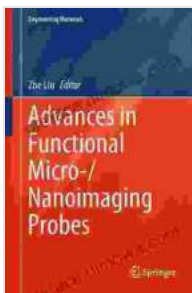


Advancements in Functional Micro Nanoimaging Probes for Engineering Materials

Micro and nanoimaging probes have become essential tools for characterizing the structure and properties of materials. These probes allow researchers to image materials at high resolutions, revealing details that are not visible using traditional microscopy techniques. In recent years, there has been a growing interest in developing functional micro and nanoimaging probes that can not only image materials but also perform other functions, such as manipulating materials or delivering drugs.



Advances in Functional Micro-/Nanoimaging Probes (Engineering Materials) by Tim Query

★★★★☆ 4.6 out of 5

Language : English
File size : 5960 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 201 pages
Screen Reader : Supported



This book provides a comprehensive overview of the latest advances in functional micro and nanoimaging probes for engineering materials. The book is divided into three parts:

- **Part 1: Fundamentals of Micro and Nanoimaging Probes**

This part provides an to the basic principles of micro and nanoimaging probes. It covers topics such as probe design, fabrication, and characterization.

- **Part 2: Functional Micro and Nanoimaging Probes**

This part describes the different types of functional micro and nanoimaging probes that have been developed. It covers topics such as probes for imaging, manipulating, and delivering drugs.

- **Part 3: Applications of Functional Micro and Nanoimaging Probes**

This part discusses the applications of functional micro and nanoimaging probes in engineering materials. It covers topics such as materials characterization, defect detection, and failure analysis.

Key Features

- Provides a comprehensive overview of the latest advances in functional micro and nanoimaging probes for engineering materials
- Covers the fundamentals of micro and nanoimaging probes, as well as the different types of functional micro and nanoimaging probes that have been developed
- Discusses the applications of functional micro and nanoimaging probes in engineering materials, such as materials characterization, defect detection, and failure analysis
- Authored by leading experts in the field
- Well-illustrated with figures and tables

Who Will Benefit from This Book?

This book is intended for researchers, engineers, and students who are interested in the latest advances in functional micro and nanoimaging probes for engineering materials. It is also a valuable resource for anyone who is interested in using these probes to characterize or manipulate materials.

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About the Authors

The authors of this book are leading experts in the field of functional micro and nanoimaging probes for engineering materials. They have published extensively in top journals and conferences and have developed several novel probes that are used in research and industry.

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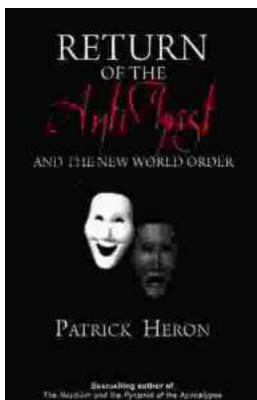
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