Materials Kinetics Fundamentals is an accessible and interesting introduction to kinetics processes, with a focus on materials systems. Designed for the undergraduate student, this book avoids intense mathematics to present the theory and application of kinetics in a clear, reader-friendly way. This book is designed to provide students with an introduction to kinetics' underlying principles, without rigorous math to distract from understanding. There are a large number of books on chemical kinetics, but there are far fewer that focus on materials kinetics, and virtually none that provide an accessible, introductory-level treatment of the subject. Materials Kinetics Fundamentals fills that need, with clear, detailed explanations of these universal concepts.

The Wiley Advantage

- Understand universally important kinetic concepts like diffusion and reaction rate
- Model common kinetic processes both quantitatively and qualitatively
- Learn the mechanisms behind important and interesting materials systems
- Examine the behaviors, properties, and interactions of relevant solid materials

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- Fundamental concepts of kinetics, with illustrated diagrams, examples, text boxes, and homework questions that impart a unified, intuitive understanding
- Application of these concepts in the context of materials science
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