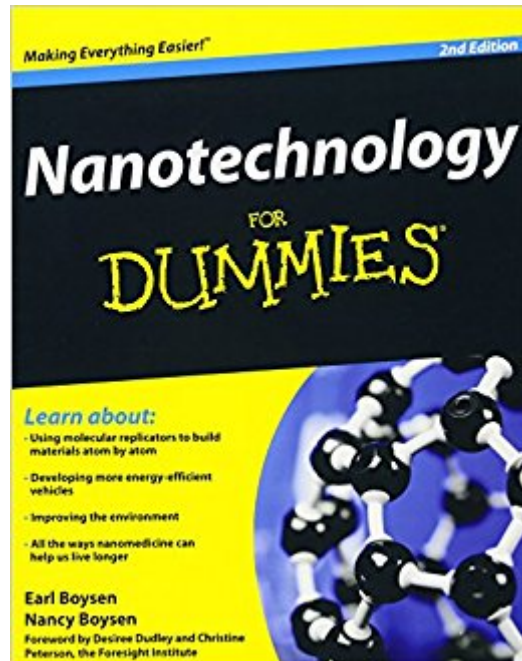




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Nanotechnology For Dummies



Synopsis

The bestselling introductory guide on nanotechnology?now revised and updated The world of nanotechnology is ever changing and evolving; this fun and friendly guide demystifies the topic for anyone interested in how molecule-sized machines and processes affect our everyday lives. The authors begin with explaining the background of nanotechnology and then examine industries that are affected by this technology. Aiming to educate and simultaneously dispel common myths, the book explores the many nanotechnology-enabled consumer products available on the market today, ranging from socks to face lotion to jet skis to floor cleaners, to name a few. Serves as a fun and friendly introduction to the fascinating topic of nanotechnology Discusses the various issues involving nanotechnology in the areas of environment, medicine, defense, and others Provides real-world examples of everyday nanotechnology use such as floor cleaners, flash memory drives, face lotion, computer processors, and more Written in the accessible, humorous For Dummies style, Nanotechnology For Dummies, 2nd Edition provides an easy-to-understand overview of nanotechnology and its real-world implementation.

Book Information

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Customer Reviews

"Nanotechnology may well rival the development of the transistor or telecommunications in its ultimate impact." --This text refers to the Digital edition.

I'm one of the authors for the book and a graduate student at Rice University in Houston, Texas - one of the academic leaders in nanotechnology. Personally, my unique background allows

me to speak to a wide audience: my engineering degree has given me insight into transitioning research into practical applications; my Air Force experience has allowed me to understand the needs of our government and military (huge financial backers of university research). Now, while working in the trenches of nanotechnology, I've come across a disconnect between this research and the average person. How do we communicate this technology's importance and potential applications to the business leader, venture capitalist, investor, or entrepreneur to make it widely available in every day uses? This book does just that by identifying needs and separating science fiction from science fact – dispelling the myths and laying out realistic expectations not only in applications but timeframe as well. We identify three industries: materials, computers, and healthcare. These areas will be greatly affected by nanotechnology and advances in each will continue to feed each other. For example, future nano-scale processor fabrication methods will be used to create unique materials for healthcare applications. Another "vision" of the authors was to "show" nanotechnology – there are over 100 line art and photos illustrating the science and applications of nanotechnology distinguishing this book from other nano books. This makes it far easier for the average high school student or even baby boomer to pick up and quickly understand this emerging technology and provide them the tools to choose either a career in the sciences or invest in a nano-company stock. I encourage those interested in this technology, whether it is for shear interest or for business ideas, to closely read this book. --This text refers to the Digital edition.

Oh yeah! I love this book! My friend was recommended to read it before her research with Rice University on using nanotechnology to fight different kinds and parts of cancer.

I purchased two copies of this book to read along with my teenage grandson. While neither of us are experts, we are both enjoying the book. It is written clearly and includes links to more updated information.

a good reference.

This book is a nice, light read on the cutting-edge world of nanotechnology. It explains how the properties of common nano-molecules in a non-technical fashion as well as their applications. It also introduces the history, and the present landscape of the industry with its future implications. I wasn't blown-away, but I feel I got my nickle's worth.

What an amazing book. Incredibly insightful and opened my eyes to this amazing technology. This world will never be the same again as we discover and utilise more nano technology in every aspect of our lives.....we also need to be a little cautious in how this technology is used.

The book was worth reading in so far as this is a newly developing field and one that will have a significant impact on mankind's future. Information was well presented and easy to understand. The only drawback was that there was a lot of repetition from chapter to chapter, perhaps because the chapters were designed to stand alone so the reader could read them in any order.

If you want a basic book to introduce you to Nanotech, this is it. I read it in its entirety on a flight from NYC to LA and never put it down...then of course I am a Big Bang fan...

Well summarise trends and basics Nano information. Specially for all of us we want to dive in this fascinating world.

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