



Nanotechnology: Research and Perspectives (Hardback)

By -

MIT Press Ltd, United States, 1993. Hardback. Book Condition: New. New.. 237 x 161 mm. Language: English . Brand New Book. Advances in physics, molecular biology, and computer science are converging on the capacity to control, with molecular precision, the structure and function of matter. These twenty original contributions provide the first broad-based multidisciplinary definition and examination of the revolutionary new discipline of molecular engineering, or nanotechnology. They address both the promise as well as the economic, environmental, and cultural challenges of this emerging atomic-scale technology. Leaders in their field describe current technologies that feed into nanotechnology - atomic imaging and positioning, protein engineering, and the de novo, design and synthesis of self-assembling molecular structures. They present development strategies for coordinating recent work in chemistry, biotechnology, and scanning-probe microscopy in order to successfully design and engineer molecular systems. They also explore advances in molecular and quantum electronics as well as reversible computational systems and the fundamental physical constraints on computation. Additional chapters discuss research efforts in Japan and present the prospects of nanotechnology as seen from the perspective of a microtechnologist. The final section looks at the implications of success, including the prospects of enormous computational power and the radical consequences of...



[READ ONLINE](#)

Reviews

Good eBook and useful one. It is amongst the most remarkable ebook i actually have study. You can expect to like the way the article writer publish this pdf.

-- Prof. Armand Senger DVM

Absolutely essential go through book. It can be rally fascinating throug studying period of time. You wont truly feel monotony at at any time of your respective time (that's what catalogues are for concerning in the event you question me).

-- Roberto Leannon