



# The Chemistry of Nanomaterials: Synthesis, Properties and Applications

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## The Chemistry of Nanomaterials: Synthesis, Properties and Applications

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With this handbook the distinguished team of editors has combined the expertise of leading nanomaterials scientists to provide the latest overview of this field. The authors cover the whole spectrum of nanomaterials, ranging from theory, synthesis, properties, characterization to application, including such new developments as:

- ? quantum dots, nanoparticles, nanoporous materials, as well as nanowires, nanotubes and nanostructural polymers
- ? nanocatalysis, nanolithography, nanomanipulation
- ? methods for the synthesis of nanoparticles.

The book can thus be recommended for everybody working in nanoscience: Beginners can acquaint themselves with the exciting subject, while specialists will find answers to all their questions plus helpful suggestions for further research.

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#### Review

"...the distinguished team of editors has combined the expertise of leading nanomaterials scientists to provide the latest overview of this field...recommended for everybody working in nanoscience field..."

Polymer News

"...in this book the editors have done a great job in making different chapters coherent and complementing, even down to the style of writing and the emphasis of areas of coverage. The production of the book is to the highest quality, including the unusual use of colour photographs, when necessary, to good effect."

Materials World

"...provides a refreshing antidote to the hyperbole which is tended to surround this subject... beautifully produced."

Chemistry World

"... it is highly recommended for all libraries that serve researchers working in nanoscience."

E-STREAMS

"... this is a worthwhile contribution to the mainstream nanoscience literature."

Advanced Materials

"Therefore, the book is especially interesting for chemists who want to gain insight into the entire spectrum of nanoscience."

Colloid & Polymer Science

#### From the Back Cover

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