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**Título:** Chemistry Of Nanostructured Materials, The.

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**Precio:** \$980.00

**Editorial:**

**Año:** 2003

**Tema:**

**Edición:** 1<sup>a</sup>

**Sinopsis**

**ISBN:** 9789812385659

This important book reviews extensively the preparative chemistry of various nanostructured materials, as well as structural-property correlations for these new materials. Materials of current interest, such as nanocrystals, nanowires, nanotubes, porous materials, and composites, are comprehensively covered.

Contents:

Crystalline Microporous and Open Framework Materials (X-H Bu & P-Y Feng)

Mesoporous Materials (A Sayari)

Macroporous Materials Containing Three-Dimensionally Periodic Structures (Y-N Xia et al.)

CVD Synthesis of Single-Walled Carbon Nanotubes (B Zheng & J Liu)

Nanocrystals (M P Pileni)

Inorganic Fullerene-Like Structures and Inorganic Nanotubes from 2-D Layered Compounds (R Tenne)

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The Expanding World of Nanoparticle and Nanoporous Catalysts (R Raja & J M Thomas)

Nanocomposites (W Caseri)