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The magnetic behaviour of different regions has been explained in terms of a polarization mechanism acting on the surface and in the core, leading to magnetic correlation between the spins.

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Magnetic Properties of Nanostructured Materials Diandra L. Leslie-Pelecky Center for Materials Research & Analysis, Department of Physics & Astronomy, University of Nebraska, Lincoln, Nebraska 68588-0111

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Magnetic Nanostructured Materials - 1st Edition

222 EUROPHYSICS LETTERS 500 nm Fig. 1. { A collection of Scanning Electron Micrographs of some of the different nanostructured magnetic materials made during this study.

Designing nanostructured magnetic materials by symmetry

applications as soft magnetic materials and permanent magnet materials, and for other special applications such as information storage, magnetoresistance ... Bulk Behavior of Nanostructured Materials 99 plastic

behavior in compression in nc CaF₂ at 80 Å°C and nc TiO₂ at 180 Å°C. = 6.

Chapter 6 Bulk Behavior of Nanostructured Materials

Therefore, the further improvement of their properties is essential for reaching energy-saving and resource-saving society. As a next-generation material to achieve enhanced performance and new functionality, nanostructured magnetic materials have attracted much attention.

Nanostructured Magnetic Materials: Challenges for Next

Nanostructured Magnetic Materials and their Applications. ... PDF. Plasma Coating of Magnetic Nanoparticles for Bio-Probe Applications. D. Shi, T. He, J. Lian, L. M. Wang. Pages 3-11. PDF. Selective Removal of Atoms as a New Method for Manufacturing of Nanostructures for Various Applications.

Nanostructured Magnetic Materials and their Applications

nanostructured magnetic materials are important for many advanced applications. Consequently, new methods for their fabrication are critical. However, coupling self-assembly to the generation of magnetic materials in a simple, straight-forward manner has remained elusive.

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