| | | |
|---|---|---|
| 1. | Record Nr. | UNINA9910786950503321 |
| | Titolo | Handbook of nanostructured thin films and coatings / / edited by Sam Zhang |
| | Pubbl/distr/stampa | Boca Raton : , : CRC Press, , 2010 |
| | ISBN | 0-429-15098-9<br>1-4200-9397-5 |
| | Descrizione fisica | 1 online resource (415 p.) |
| | Collana | Handbook of nanostructured thin films and coatings |
| | Altri autori (Persone) | ZhangSam |
| | Disciplina | 621.38152 |
| | Soggetti | Thin films<br>Nanostructured materials<br>Coatings |
| | Lingua di pubblicazione | Inglese |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
| | Note generali | Description based upon print version of record. |
| | Nota di bibliografia | Includes bibliographical references. |
| | Nota di contenuto | Front Cover; Contents; Preface; Editor; Contributors; Chapter 1 - Large-Scale Fabrication of Functional Thin Films with Nanoarchitecture via Chemical Routes; Chapter 2 - Fabrication and Characterization of SiC Nanostructured/Nanocomposite Films; Chapter 3 - Low-Dimensional Nanocomposite Fabrication and its Applications; Chapter 4 - Optical and Optoelectronic Properties of Silicon Nanocrystals Embedded in SiO2 Matrix; Chapter 5 - Electrical Properties of Silicon Nanocrystals Embedded in Amorphous SiO2 Films<br>Chapter 6 - Properties and Applications of Sol-Gel-Derived Nanostructured Thin Films: Optical AspectsChapter 7 - Controllably Micro/Nanostructured Films and Devices; Chapter 8 - Thin Film Shape Memory Alloy for Microsystem Applications; Back Cover |
| | Sommario/riassunto | Authored by leading experts from around the world, the three-volume Handbook of Nanostructured Thin Films and Coatings gives scientific researchers and product engineers a resource as dynamic and flexible as the field itself. The first two volumes cover the latest research and application of the mechanical and functional properties of thin films and coatings, while the third volume explores the cutting-edge organic nanostructured devices used to produce clean energy. This second volume, Nanostructured Thin Films and Coatings: Functional Properties, |

fo