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Collana	Handbook of nanostructured thin films and coatings
Altri autori (Persone)	ZhangSam
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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 SiO <sub>2</sub> Matrix; Chapter 5 - Electrical Properties of Silicon Nanocrystals Embedded in Amorphous SiO <sub>2</sub> Films Chapter 6 - Properties and Applications of Sol-Gel-Derived Nanostructured Thin Films: Optical Aspects Chapter 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*

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