

1. Record Nr.	UNINA9910824515803321
Titolo	Functional metal oxides : new science and novel applications // edited by Satischandra Balkrishna Ogale, T. Venky Venkatesan, and Mark Blamire
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-VCH, , [2013] ©2013
ISBN	3-527-65488-7 3-527-65486-0 3-527-65489-5
Descrizione fisica	1 online resource
Altri autori (Persone)	OgaleSatischandra Balkrishna BlamireMark VenkatesanT. Venky
Disciplina	546.3
Soggetti	Catalysis Metallic oxides Transition metal catalysts
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical records and index.
Nota di contenuto	Magnetic Oxides. Introduction to Magnetic Oxides / J M D Coey, M Venkatesan, Hongjun Xu -- Magnetic/Multifunctional Double Perovskite Oxide Thin Films / Prahallad Padhan, Arunava Gupta -- Dopants, Defects and Ferromagnetism in Metal Oxides. Magnetic Oxide Semiconductors: On the High-Temperature Ferromagnetism in TiO- and ZnO-Based Compounds / Tomoteru Fukumura, Masashi Kawasaki -- Effect of Ta Alloying on the Optical, Electronic, and Magnetic Properties of TiO Thin Films / S Dhar, A Roy Barman, A Rusydi, K Gopinadhan, Ariando, Y P Feng, M B H Breese, Hans Hilgenkamp, T Venkatesan -- Defect-Induced Optical and Magnetic Properties of Colloidal Transparent Conducting Oxide Nanocrystals / Pavle V Radovanovic -- Ferroelectrics. Structure-Property Correlations in Rare-Earth-Substituted BiFeO Epitaxial Thin Films at the Morphotropic Phase Boundary / Daisuke Kan, Ching-Jung Cheng, Valanoor Nagarajan, Ichiro Takeuchi -- Antiferroelectricity in Oxides: A Reexamination / Karin M

Rabe -- Multiferroics. Probing Nanoscale Electronic Conduction in Complex Oxides / Jan Seidel, Ramamoorthy Ramesh -- Multiferroics with Magnetoelectric Coupling / Umesh V Waghmare -- Interfaces and Magnetism. Device Aspects of the SrTiO-LaAlO Interface; Basic Properties, Mobility, Nanostructuring, and Potential Applications / Hans Hilgenkamp -- X-Ray Spectroscopic Studies of Conducting Interfaces between Two Insulating Oxides / Hiroki Wadati, Atsushi Fujimori -- Interfacial Coupling between Oxide Superconductors and Ferromagnets / Mark G Blamire, Jason W A Robinson, Mehmet Egilmez -- Devices and Applications. Metal-Oxide Nanoparticles for Dye-Sensitized Solar Cells / Frederic Sauvage, Mohammad K Nazeeruddin, Michael Gratzel -- Hybrid Solar Cells from Ordered Nanostructures / Jonas Weickert, Lukas Schmidt-Mende -- Electric Field Effects in Functional Metal Oxides / Lily Mandal, Weinan Lin, James Lourembam, Satishchandra Ogale, Tom Wu -- Resistive Switchings in Transition-Metal Oxides / Isao H Inoue, Akihito Sawa.

---