

1. Record Nr.	UNINA9910781949903321
Titolo	Perovskites [[electronic resource]] : structure, properties, and uses // Maxim Borowski, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2010
ISBN	1-61668-870-X
Descrizione fisica	1 online resource (587 p.)
Collana	Chemical engineering methods and technology
Altri autori (Persone)	BorowskiMaxim
Disciplina	549/.528
Soggetti	Perovskite materials Oxide minerals
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 and index.
Nota di contenuto	<p>""CONTENTS""; ""PREFACE""; ""CONTROLLED FABRICATION AND CATALYTIC APPLICATIONS OF SPECIFICALLY MORPHOLOGICAL AND POROUS PEROVSKITE-TYPE OXIDES""; ""PEROVSKITES AND THEIR NANOCOMPOSITES WITH FLUORITE-LIKE OXIDES AS MATERIALS FOR SOLID OXIDE FUEL CELLS CATHODES AND OXYGEN-CONDUCTING MEMBRANES: MOBILITY AND REACTIVITY OF THE SURFACE/BULK OXYGEN AS A KEY FACTOR OF THEIR PERFORMANCE""; ""ON THE NATURE OF LOW-TEMPERATURE RESISTIVE PEAK IN COLOSSAL MAGNETORESISTANT MATERIALS""; ""STRUCTURAL, MAGNETIC AND ELECTRON TRANSPORT PROPERTIES OF ORDERED-DISORDERED PEROVSKITE COBALTITES""</p> <p>""ELECTRICALLY TUNABLE DIELECTRIC AND CONDUCTION PROPERTIES IN PEROVSKITE THIN FILMS""; ""PEROVSKITE-TYPE OXIDES: SYNTHESIS AND APPLICATION IN CATALYSIS""; ""MECHANISM OF FORMATION OF PEROVSKITE-TYPE LAYERED OXIDES""; ""SOME THEORETICAL ASPECTS OF MAGNETIC STRUCTURE, SPIN EXCITATIONS AND MAGNETIZATION OF MANGANITES""; ""CORRELATIONS BETWEEN THE STRUCTURE OF ORDERED SOLID SOLUTIONS AND PARAMETERS OF PAIR INTERACTIONS IN PEROVSKITES""; ""ABX₃-TYPE OXIDES AND HALIDES: THEIR STRUCTURE AND PHYSICAL PROPERTIES""; ""FERROELECTRIC PBTIO₃: FROM A SINGLE-DOMAIN STATE TO COMPOSITE COMPONENTS""</p> <p>""DOUBLE PEROVSKITES WITH STRUCTURE-DISORDERED OXYGEN SUBLATTICE AS HIGH-TEMPERATURE PROTON CONDUCTORS""; ""SHORT-</p>

AND LONG-RANGE FERROMAGNETIC ORDERS IN LA1-""; ""CRITICAL BEHAVIOR STUDY""; ""REDDISH CERAMIC PIGMENTS WITH PEROVSKITE STRUCTURE""; ""INDEX""
