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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- AND LONG-RANGE FERROMAGNETIC ORDERS IN LA₁-""; ""CRITICAL</p>

BEHAVIOR STUDY""; ""REDDISH CERAMIC PIGMENTS WITH PEROVSKITE
STRUCTURE""; ""INDEX""

Sommario/riassunto

Perovskite is a calcium titanium oxide mineral species composed of calcium titanate. This book discusses perovskite thin films, which are widely employed in today's advanced technology.