1. Record Nr. UNINA9910452681303321

Titolo	Gadolinium [[electronic resource]] : compounds, production, and applications / / Caden C. Thompson, editor
Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science Publishers, c2010
ISBN	1-61728-334-7
Descrizione fisica	1 online resource (382 p.)
Collana	Chemical engineering methods and technology
Altri autori (Persone)	ThompsonCaden C
Disciplina	616.07/54
Soggetti	Gadolinium - Diagnostic use Magnetic resonance imaging Radiographic contrast media Electronic books.
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	""GADOLINIUM: COMPOUNDS, PRODUCTION AND APPLICATIONS ""; ""LIBRARY OF CONGRESS CATALOGING-IN-PUBLICATION DATA ""; ""CONTENTS ""; ""PREFACE ""; ""MAGNETIC INTERACTIONS IN OXO-CARBOXYLATE BRIDGED GADOLINIUM(III) COMPLEXES: SYNTHESIS, CRYSTAL STRUCTURES AND MAGNETIC PROPERTIES ""; ""ABSTRACT ""; ""INTRODUCTION ""; ""MAGNETIC ASPECTS ""; ""GADOLINIUM(III): MAGNETIC PROPERTIES ""; ""METAL ORGANIC FRAMEWORKS ""; ""Synthetic Routes ""; ""State of the Art ""; ""Type of Bridge A ""; ""Type of Bridge B ""; ""Type of Bridge C ""; ""Type of Bridge D""; ""Type of Bridge E""; ""Type of Bridge F "" ""PUBLISHED EMPIRICAL STUDIES """"THEORETICAL STUDIES ""; ""CONCLUSION ""; ""ACKNOWLEDGMENT ""; ""REFERENCES ""; ""APPLICATION OF GADOLINIUM FOILS AS CONVERTERS OF THERMAL NEUTRONS IN DETECTORS OF NUCLEAR RADIATION ""; ""ABSTRACT ""; ""1. INTRODUCTION ""; ""2. MATHEMATICAL MODELING OF CONVERTER PERFOMANCES ""; ""2.1. Theoretical Bases ""; ""2.1.1. Probability of neutrons absorption ""; ""2.1.2. Probability of gamma quantaa€?s formation ""; ""2.1.3. Probability of internal conversion electrons formation ""; ""2.1.3. Intensity of Auger electrons "" ""2.1.6. Passage of electrons through a substance """"2.2.1. Model representation and calculation ""; ""2.2.2. Probability of converters