

1. Record Nr.	UNINA9910139019603321
Titolo	Mossbauer spectroscopy : applications in chemistry, biology, and nanotechnology // edited by Virender K. Sharma, Gostar Klingelhofer, Tetsuaki Nishida
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , [2013] ©2013
ISBN	1-118-71461-X 1-118-77197-4 1-118-77190-7
Descrizione fisica	1 online resource (657 p.)
Classificazione	SCI078000
Altri autori (Persone)	SharmaVirender K KlingelhoferGostar <1956-> NishidaTetsuaki <1950->
Disciplina	543/.6
Soggetti	Mossbauer spectroscopy
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	part I. Instrumentation -- part II. Radionuclides -- part III. Spin dynamics -- part IV. Biological applications -- part V. Iron oxides -- part VI. Industrial applications -- part VII. Environmental applications.
Sommario/riassunto	"A one-stop reference for determining the oxidation states of elements so that oxidation eduction chemistry can be studied across a wide variety of systems, this book presents advances in the field from the last two decades. Beginning with a detailed theoretical description of Mossbauer spectroscopy, followed by an extensive treatment of its use in applied areas such as synchrotron radiation, biotechnology, and nanoparticle analysis, the book discusses future opportunities for the further development of this technique. Designed for spectroscopists, inorganic, physical, analytical, and solid-state chemists and other researchers"--