

1. Record Nr.	UNINA9910511706103321
Titolo	Topological insulators // [edited by] Marcel Franz, University of British Columbia, Vancouver, Canada, Laurens Molenkamp, University of Wurzburg, Wurzburg, Germany
Pubbl/distr/stampa	Amsterdam : , : Elsevier, , 2013
ISBN	0-444-63318-9
Edizione	[First edition.]
Descrizione fisica	1 online resource (349 p.)
Collana	Contemporary concepts of condensed matter science, , 1572-0934 ; ; volume 6
Altri autori (Persone)	FranzMarcel MolenkampLaurens
Disciplina	621.31937
Soggetti	Electric insulators and insulation Dirac equation Condensed matter Energy-band theory of solids 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	part I. Theoregical foundations -- part II. Experimental discoveries -- part III. The road ahead
Sommario/riassunto	Topological Insulators, volume six in the Contemporary Concepts of Condensed Matter Series, describes the recent revolution in condensed matter physics that occurred in our understanding of crystalline solids. The book chronicles the work done worldwide that led to these discoveries and provides the reader with a comprehensive overview of the field. Starting in 2004, theorists began to explore the effect of topology on the physics of band insulators, a field previously considered well understood. However, the inclusion of topology brings key new elements into this old