

1. Record Nr.	UNINA9910810009203321
Titolo	Molecular materials [[electronic resource] /] / edited by Duncan W. Bruce, Dermot O'Hare, Richard I. Walton
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, 2010
ISBN	1-282-72884-9 9786612728846 0-470-68605-7 0-470-68606-5
Descrizione fisica	1 online resource (376 p.)
Collana	Inorganic Materials Series ; ; v.14
Altri autori (Persone)	BruceDuncan W O'HareDermot WaltonRichard I
Disciplina	620.1/129
Soggetti	Superconductors Organic conductors Magnetic materials - Optical properties Inorganic compounds - Optical properties Molecular dynamics Nonlinear optics
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	Molecular Materials; Contents; Inorganic Materials Series Preface; Preface; List of Contributors; 1 Metal-Based Quadratic Nonlinear Optical Materials; 2 Physical Properties of Metallomesogens; 3 Molecular Magnetic Materials; 4 Molecular Inorganic Conductors and Superconductors; 5 Molecular Nanomagnets; Index
Sommario/riassunto	"... the book does an excellent job of putting together several different classes of materials. Many common points emerge, and the book may facilitate the development of hybrids in which the qualities of the "parents" are enhanced." -Angew. Chem. Int. Ed. 2011 With applications in optoelectronics and photonics, quantum information processing, nanotechnology and data storage, molecular materials enrich our daily lives in countless ways. These materials have

properties that depend on their exact structure, the degree of order in the way the molecules are aligned and their crystalline

---