

1. Record Nr.	UNINA9910778320103321
Titolo	Metal-organic and organic molecular magnets [[electronic resource] /] / edited by P. Day, A.E. Underhill
Pubbl/distr/stampa	Cambridge, : RSC, 1999
ISBN	1-84755-139-4
Descrizione fisica	1 online resource (333 p.)
Collana	Special publication ; ; no. 252
Altri autori (Persone)	DayP UnderhillA. E
Disciplina	543/08
Soggetti	Magnetic materials Molecules - Magnetic properties Organic compounds - Magnetic properties
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.
Nota di contenuto	""Preface""; ""Contents""; ""Molecular-based magnets: setting the scene""; ""p-Nitrophenyl nitronyl nitroxide: the first organic ferromagnet""; ""Crystal architectures of organic molecular-based magnets""; ""Unusual crystal structures and properties of nitronylnitroxide radicals. Possible RVB states in molecule-based magnets""; ""Muon-spin-rotation studies of organic magnets""; ""High-spin polymeric arylamines""; ""Room-temperature molecule-based magnets""; ""Design of novel magnets using Prussian blue analogues""; ""Magnetic anisotropy in molecule-based magnets"" ""Multifunctional coordination compounds: design and properties"""" Ferrimagnetic and metamagnetic layered cobalt(II)-hydroxides: first observation of a coercive field greater than 5 T""; ""Towards magnetic liquid crystals""; ""Quantum size effects in molecular magnets""; ""Large metal clusters and lattices with analogues to biology""; ""New high-spin clusters featuring transition metals""; ""From ferromagnets to high-spin molecules: the role of the organic ligands""; ""Molecular-based magnets: an epilogue""; ""The Bakerian Lecture, 1999 The molecular chemistry of magnets and superconductors""

