

1. Record Nr.	UNINA9910782032303321
Titolo	Controlling the quantum world [[electronic resource]] : the science of atoms, molecules, and photons // Committee on AMO 2010, Board on Physics and Astronomy, Division on Engineering and Physical Sciences
Pubbl/distr/stampa	Washington, DC, : National Academies Press, c2006
ISBN	0-309-16458-3 1-280-84436-1 9786610844364 0-309-66309-1
Descrizione fisica	1 online resource (244 p.)
Collana	Physics 2010 Controlling the quantum world
Disciplina	539
Soggetti	Quantum theory Atoms Molecules Photons
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	""Front Matter""; ""Preface""; ""Acknowledgment of Reviewers""; ""Contents""; ""Summary""; ""1 Controlling the Quantum World: AMO Science in the Coming Decade""; ""2 AMO Science and the Basic Laws of Nature""; ""3 Toward Absolute Zero""; ""4 Extreme Light""; ""5 Exploring and Controlling the Inner Workings of a Molecule""; ""6 Photonics and the Nanoworld""; ""7 Quantum Information with Light and Atoms""; ""8 Realizing the Future""; ""Appendixes""; ""A AMO 2010 Queries to Federal Funding Agencies""; ""B Funding""; ""C Foreign Activity in AMO Science"" ""D Intellectual Outlines of Current Research""""E People""; ""F New Research Modalities""