

1. Record Nr.	UNINA9910454648403321
Autore	Simoes J. A. Martinho
Titolo	Molecular energetics [[electronic resource]] : condensed-phase thermochemical techniques // Jose A. Martinho Simoes, Manuel E. Minas da Piedade
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2008
ISBN	0-19-756155-1 1-281-37459-8 1-4356-5678-4 9786611374594 0-19-972285-4
Descrizione fisica	1 online resource (305 p.)
Collana	Oxford scholarship online
Altri autori (Persone)	PiedadeM. E. Minas da (Manuel E. Minas)
Disciplina	541/.36
Soggetti	Condensed matter Molecular dynamics Thermochemistry Thermodynamics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 2008.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Part I: Introduction; Part II: Condensed Phase Methods; Appendix A: Units, Conversion Factors, and Fundamental Constants; Appendix B: Thermochemical Databases; Index
Sommario/riassunto	Offering a broad discussion of the concepts required to understand the thermodynamic stability of molecules and bonds and a description of the most important condensed-phase techniques that have been used to obtain that information, this book attempts to provide useful guidelines on how to choose the best data and how to use it to understand chemistry. Although the book assumes some basic knowledge on physical chemistry, it has been written in a textbook style and most topics are addressed in a way that is accessible to advanced undergraduate students. Many examples are given throughout the text, involving a variety of molecules.

