

1. Record Nr.	UNINA9911020351503321
Autore	Pearson Ralph G.
Titolo	Chemical hardness
Pubbl/distr/stampa	[Place of publication not identified], : Wiley VCH, 1997
ISBN	1-280-55811-3 9786610558117 3-527-60617-3
Descrizione fisica	1 online resource (208 pages)
Disciplina	546/.24
Soggetti	Acid-base chemistry Physical & Theoretical Chemistry Chemistry Physical Sciences & Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	Chemical Hardness is one of the highly useful concepts which enable chemists to understand reactivities without reference to large supercomputers and databases. Originally developed as an intuitive, qualitative concept, it is today firmly based on and justified by quantum chemistry. This book explains the history, applications and theoretical foundations of "chemical hardness". Written by R. G. Pearson, the originator of the concept, it is a clear and well-written account of the consequences that can be derived from "hardness". It also shows the links to quantum chemistry and especially density functional theory which have provided a theoretical basis for and at the same time have extended the range of applications of "chemical hardness".