

1. Record Nr.	UNINA9910257412503321
Titolo	The Physics and Chemistry of Interstellar Molecular Clouds [[electronic resource]] : Proceedings of the 2nd Cologne-Zermatt Symposium, Held at Zermatt, Switzerland, 21–24 September 1993 // edited by Gisbert Winnewisser, Guido C. Pelz
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1995
ISBN	3-540-47665-2
Edizione	[1st ed. 1995.]
Descrizione fisica	1 online resource (XV, 398 p. 87 illus.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 459
Disciplina	523.1/125
Soggetti	Observations, Astronomical Astronomy—Observations Astrophysics Geophysics Atoms Physics Astronomy, Observations and Techniques Astrophysics and Astroparticles Geophysics/Geodesy Atomic, Molecular, Optical and Plasma Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	From the contents: Galactic Molecular Cloud Distribution -- External Galaxies -- Molecular Cloud Structure -- Photon Dominated Regions -- Interstellar Chemistry -- Star Formation in Molecular Clouds -- Molecular Outflows -- New Instrumentation -- A Theorist's View of Interstellar Chemistry.
Sommario/riassunto	The book is an up-to-date, concise presentation of the development of submillimeter-wave and far-infrared astrophysics. The topics range from the large-scale atomic and molecular distribution in the Galaxy and in external galaxies to the frontal properties of molecular clouds and the details of the star-formation process. A chapter on the most recent technical advances in the field illustrates the intimate connection

and interplay between scientific advancement and technological capability. The book not only summarizes the advances in the field but also presents important background information, addressing experts and graduate students alike.
