1. Record Nr. UNISA996394442603316

Autore	Leigh Dorothy
Titolo	The mothers blessing, or, The godly counsel of a gentlewoman, not long since deceased, left behinde her for her children [[electronic resource]] : containing many good exhortations, and good admonitions, profitable for all parents, to leave as a legacy to their children / / by Mris. Dorothy Leigh
Pubbl/distr/stampa	London, : Printed by E. Cotes for Andrew Crook, 1667
Descrizione fisica	[16], 244 p
Soggetti	Conduct of life Christian life
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Imperfect: stained and torn, with loss of text. Contains numerous errors in pagination. Reproduction of original in the University of Illinois (Urbana-Champaign Campus). Library.
Sommario/riassunto	eebo-0167

2. Record Nr. UNINA9910485605003321

Autore	Carraro Giovanni
Titolo	Astrophysics of the Interstellar Medium / / by Giovanni Carraro
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-75293-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (361 pages)
Collana	UNITEXT for Physics, , 2198-7890
Disciplina	523.1135
Soggetti	Soft condensed matter Acoustics Electrodynamics Plasma confinement Plasma waves Plasma astrophysics Fluids Classical Electrodynamics Magnetic and inertial plasma confinement Waves, instabilities and nonlinear plasma dynamics Astrophysical Plasma
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Fundamental equations for ideal fluids -- Acoustic waves -- Real fluids -- The interstellar medium -- Shock waves -- Turbulence -- Electrodynamics and magnetohydrodynamics -- Motion of a plasma in a magnetic field -- Magnetohydrodynamic waves -- Dust from the interstellar medium -- HII regions -- Stellar Winds -- Supernovae remnants -- The interstellar medium and its components -- Molecular Clouds -- Star formation.
Sommario/riassunto	This book is based on a series of lectures for an Astrophysics of the Interstellar Medium (ISM) master’s degree in Astrophysics and Cosmology at Padova University. From the cold molecular phase in which stars and planetary systems form, to the very hot coronal gas that surrounds galaxies and galaxy clusters, the ISM is everywhere.

Studying its properties is vital for the exploration of virtually any field in astronomy and cosmology. These notes give the student a coherent and accurate mathematical and physical approach, with continuous references to the real ISM in galaxies. The book is divided into three parts. Part One introduces the equations of fluid dynamics for a system at rest and acoustic waves, and then explores the real ISM through the role of thermal conduction and viscosity, concluding with a discussion of shock waves and turbulence. In Part Two, the electromagnetic field is switched on and its role in modulating shock waves and contrasting gravity is studied. Part Three describes dust and its properties, followed by the main stellar sources of energy. The last two chapters respectively address the various components of the ISM and molecular clouds and star formation.