1. Record Nr. UNINA9910450395503321

Autore	Barstow Martin A (Martin Adrian), <1958->
Titolo	Extreme ultraviolet astronomy / / Martin A. Barstow, Jay B. Holberg [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2003
ISBN	1-107-12726-2 1-280-41711-0 9786610417117 1-139-14551-7 0-511-17870-0 0-511-06576-0 0-511-05945-0 0-511-30591-5 0-511-53614-3 0-511-06789-5
Descrizione fisica	1 online resource (xvii, 390 pages) : digital, PDF file(s)
Collana	Cambridge astrophysics ; ; 37
Disciplina	522/.68
Soggetti	Ultraviolet astronomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 373-386) and index.
Nota di contenuto	Cover; Half-title; Series-title; Title; Copyright; Dedication; Contents; Preface; Abbreviations; 1 Introduction to the Extreme Ultraviolet: first source discoveries; 2 The first space observatories; 3 Roentgen Satellit: the first EUV sky survey; 4 The Extreme Ultraviolet Explorer and ALEXIS sky surveys; 5 Spectroscopic instrumentation and analysis techniques; 6 Spectroscopy of stellar sources; 7 Structure and ionisation of the local interstellar medium; 8 Spectroscopy of white dwarfs; 9 Cataclysmic variables and related objects; 10 Extragalactic photometry and spectroscopy 11 EUV astronomy in the 21st centuryAppendix. A merged catalogue of Extreme Ultraviolet sources; References; Index
Sommario/riassunto	This text describes the development of astronomy in the Extreme Ultraviolet (EUV) wavelength range, from the first rocket-based

experiments in the late 1960s through to later satellite missions. Discussions of the results from important space projects are followed by an analysis of the contributions made by EUV astronomy to the study of specific groups of astronomical objects. Within this framework, the book provides detailed material on the tools of EUV astronomy, dealing with the instrumentation, observational techniques, and modelling tools for the interpretation of data. Prospects for future EUV missions are discussed, and a catalogue of the known EUV sources is included. This book will be of great value to graduate students and researchers. It gives a complete overview of Extreme Ultraviolet astronomy.