1. Record Nr. UNINA9910139821103321

Titolo	Astromineralogy / / edited by Thomas Henning
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003
ISBN	3-540-45840-9
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (IX, 281 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 609
Disciplina	549.999
Soggetti	Space sciences Geophysics Mineralogy Astronomy Astronomy—Observations Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Geophysics/Geodesy Astronomy, Observations and Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	From Dust Astrophysics Towards Dust Mineralogy — A Historical Review -- Formation and Evolution of Minerals in Accretion Disks and Stellar Outflows -- The Mineralogy of Interstellar and Circumstellar Dust -- The Mineralogy of Cometary Dust -- The In-situ Study of Solid Particles in the Solar System -- The Astromineralogy of Interplanetary Dust Particles -- The Most Primitive Material in Meteorites -- Laboratory Astrophysics of Cosmic Dust Analogues.
Sommario/riassunto	Astromineralogy deals with the science of gathering mineralogical information from the astronomical spectroscopy of asteroids, comets and dust in the circumstellar environments in general. It is only recently, however, that this field has received a tremendous boost with the reliable identification of minerals by the Infrared Space Observatory. This book is the first comprehensive and coherent account of this exciting field. Beyond addressing the specialist in the field, the book is intended as a high-level but readable introduction to

astromineralogy for both the nonspecialist researcher and the advanced student.