

1. Record Nr.	UNINA9910254119703321
Autore	Vita-Finzi Claudio
Titolo	A History of the Solar System // by Claudio Vita-Finzi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	1-78684-671-3 3-319-33850-1
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XII, 100 p. 54 illus., 43 illus. in color.)
Disciplina	523.2
Soggetti	Planetology Geophysics Astronomy Astrophysics Geochemistry Geophysics and Environmental Physics Astronomy, Astrophysics and Cosmology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Solar systems -- Raw materials -- Assembly -- Differentiation -- Operation -- The emergence of life -- Adjustments and disruptions -- Cumulative change -- Contemporary developments.
Sommario/riassunto	This well illustrated book presents a compact history of the Solar System from its dusty origins 4,600,000 years ago to the present day. Its primary aim is to show how the planets and their satellites, comets, meteors, interplanetary dust, solar radiation and cosmic rays continually interact, sometimes violently, and it reflects humanity's progress in exploring and interpreting this history. The book is intended for a general readership at a time when human and robotic exploration of space is often in the news and should also appeal to students at all levels. It covers the essentials but refers to a large literature which can be accessed via the internet.