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Descrizione fisica	1 online resource (500 p.)
Collana	The University of Arizona space science series
Altri autori (Persone)	SeagerSara DotsonRenee
Disciplina	523.2/4
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to exoplanets -- Keplerian orbits and dynamics of exoplanets -- Radial velocity techniques for exoplanets -- Exoplanet transits and occultations -- Microlensing by exoplanets -- Direct imaging of exoplanets -- Astrometric detection and characterization of exoplanets -- Planets around pulsars and other evolved stars: the fates of planetary systems -- Statistical distribution of exoplanets -- Non-Keplerian dynamics of exoplanets -- Tidal evolution of exoplanets -- Protoplanetary and debris disks -- Terrestrial planet formation -- Giant planet formation -- Planet migration -- Terrestrial planet interiors -- Giant planet interior structure and thermal evolution -- Giant planet atmospheres -- Terrestrial planet atmospheres and biosignatures -- Atmospheric circulation of exoplanets.
Sommario/riassunto	For the first time in human history, we know for certain the existence of planets around other stars. Now the fastest-growing field in space science, the time is right for this fundamental source book on the topic which will lay the foundation for its continued growth. "Exoplanets" serves as both an introduction for the non-specialist and a foundation for the techniques and equations used in exoplanet observation by those dedicated to the field.

