

1. Record Nr.	UNINA9910720073403321
Titolo	Handbook of Space Resources // edited by Viorel Badescu, Kris Zacny, Yoseph Bar-Cohen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783030979133 9783030979126
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (1201 pages)
Disciplina	605 622.0999
Soggetti	Aerospace engineering Astronautics Solar system Planetary science Astronomy Aerospace Technology and Astronautics Space Physics Planetary Science Astronomy, Observations and Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Technologies for Planetary Exploration -- Mercury and Venus -- The Moon, a Steppingstone to Planetary ISRU -- Mars -- Asteroids and Comets -- Ocean Worlds -- Economics and Policies.
Sommario/riassunto	Earth has limited material and energy resources, while these resources are virtually unlimited in space. It is only a matter of time, before planetary resources are mined and used in-situ to sustain human and robotic exploration or returned to Earth for commercial gain. This book covers a number of aspects related to space resources. In particular, subjects related to mission concepts, exploration approaches, mining and extraction technologies, commercial potential, and regulatory aspects of space resources are covered in detail. This book is therefore

a good resource for readers who seek background and deeper understanding of space resources related activities.
