

1. Record Nr.	UNINA9910725095003321
Titolo	Encyclopedia of Lunar Science // edited by Brian Cudnik
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-319-14541-X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (1287 pages)
Disciplina	629.4
Soggetti	Solar system Planetary science Earth sciences Aerospace engineering Astronautics Soil science Space Physics Planetary Science Earth Sciences Aerospace Technology and Astronautics Soil Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	From the Contents: Albedo/photometric mapping -- Ancient Lunar Dynamo / magnetic field -- Atmosphere, evolution of -- Atmosphere, present (including sodium enhancements) -- Basaltic volcanism -- Breccias -- Chemistry of lunar surface -- Core properties -- Craters-ages and evolution -- Craters-concentric -- Crater counting / densities -- Craters-secondaries -- Craters-sizes and morphologies -- Dark Halo Lunar Craters -- Differentiation and Internal Structure.
Sommario/riassunto	The Encyclopedia of Lunar Science includes the latest topical data, definitions, and explanations of the many and varied facets of lunar science. This is a very useful reference work for a broad audience, not limited to the professional lunar scientist: general astronomers, researchers, theoreticians, practitioners, graduate students,

undergraduate students, and astrophysicists as well as geologists and engineers. The title includes all current areas of lunar science, with the topical entries being established tertiary literature. The work is technically suitable to most advanced undergraduate and graduate students. The articles include topics of varying technical levels so that the top scientists of the field find this work a benefit as well as the graduate students and the budding lunar scientists. A few examples of topical areas are as follows: Basaltic Volcanism, Lunar Chemistry, Time and Motion Coordinates, Cosmic Weathering through Meteoritic Impact, Environment, Geology, Geologic History, Impacts and Impact Processes, Lunar Surface Processes, Origin and Evolution Theories, Regolith, Stratigraphy, Tectonic Activity, Topography, Weathering through ionizing radiation from the solar wind, solar flares, and cosmic rays.
