Record Nr. UNINA9910811451403321 Encyclopedia of the solar system // editors, Lucy-Ann McFadden, Paul **Titolo** R. Weissman and Torrence V. Johnson Pubbl/distr/stampa Amsterdam; ; Boston, : Academic, 2007 Amsterdam, Netherlands:,: Elsevier,, 2007 **ISBN** 1-281-00355-7 9786611003555 0-08-047498-5 Edizione [2nd ed.] Descrizione fisica 1 online resource (xx, 966 pages): illustrations, maps Gale eBooks Collana Disciplina 523.203 Soggetti Astronomy Solar system Encyclopedias Solar system Origin Outer space Exploration **Planets** 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 Front Cover; Encyclopedia of the Solar System; Copyright Page; Contents; Contributors; About the Editors; Foreword; Preface to the Second Edition; Preface to the First Edition; Chapter 1. The Solar System and its Place in the Galaxy; Chapter 2. The Origin of the Solar System; Chapter 3. A History of Solar System Studies; Chapter 4. The Sun; Chapter 5. The Solar Wind; Chapter 6. Mercury; Chapter 7. Venus: Atmosphere; Chapter 8. Venus: Surface and Interior; Chapter 9. Earth as a Planet: Atmosphere and Oceans; Chapter 10. Earth as a Planet: Surface and Interior Chapter 11. The Sun...Earth ConnectionChapter 12. The Moon; Chapter 13. Meteorites; Chapter 14. Near-Earth Objects; Chapter 15. Mars Atmosphere: History and Surface Interactions: Chapter 16. Mars: Surface and Interior; Chapter 17. Mars: Landing Site Geology.

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## Sommario/riassunto

Long before Galileo published his discoveries about Jupiter, lunar craters, and the Milky Way in the Starry Messenger in 1610, people were fascinated with the planets and stars around them. That interest continues today, and scientists are making new discoveries at an astounding rate. Ancient lake beds on Mars, robotic spacecraft missions, and new definitions of planets now dominate the news. How can you take it all in? Start with the new Encyclopedia of the Solar System, Second Edition. This self-contained reference follows the trail blazed by the bestselling first edition. It provides a framework for understanding the origin and evolution of the solar system, historical discoveries, and details about planetary bodies and how they interact. It stands alone as the definitive work in this field, and will serve as a modern messenger of scientific discovery and provide a look into the future of our solar system.