Record Nr. UNINA9910130933003321 Exploring Venus as a terrestrial planet [[electronic resource] /] / Larry **Titolo** W. Esposito, Ellen R. Stofan, Thomas E. Cravens, editors Washington, DC,: American Geophysical Union, c2007 Pubbl/distr/stampa **ISBN** 1-118-66622-4 1-118-67248-8 Descrizione fisica 1 online resource (234 p.) Collana Geophysical monograph series;; 176 Altri autori (Persone) CravensThomas E. <1948-> **EspositoLarry** StofanEllen Renee <1961-> Disciplina 559.9 559.922 Soggetti Planets - Exploration Venus (Planet) Atmosphere Venus (Planet) Exploration Venus (Planet) Surface 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. Title Page; Contents; Preface; Exploring Venus: Major Scientific Issues Nota di contenuto and Directions; Geochemistry of Venus' Surface: Current Limitations as Future Opportunities; Surface Evolution of Venus; Tectonic and Thermal Evolution of Venus and the Role of Volatiles: Implications for Understanding the Terrestrial Planets; Atmospheric Composition, Chemistry, and Clouds; Venus Atmosphere Dynamics: A Continuing Enigma: Radiation in the Atmosphere of Venus: Venus Upper Atmosphere and Plasma Environment: Critical Issues for Future Exploration: Venus Express and Terrestrial Planet Climatology Experiencing Venus: Clues to the Origin, Evolution, and Chemistry of TerrestrialPlanets via In-Situ Exploration of our Sister WorldAstrobiology and Venus Exploration; Technology Perspectives in the Future Exploration of Venus Sommario/riassunto Published by the American Geophysical Union as part of the Geophysical Monograph Series, Volume 176. With the search for extra-

solar planets in full gear, it has become essential to gain a more

detailed understanding of the evolution of the other earth-like planets in our own solar system. Space missions to Venus, including the Soviet Veneras, Pioneer Venus, and Magellan, provided a wealth of information about this planet' enigmatic surface and atmosphere, but left many fundamental questions about its origin and evolution unanswered. This book discusses how the study of Venus wi