Record Nr. UNINA9910254583603321 Protection of materials and structures from the space environment: **Titolo** ICPMSE-11 / / editor, Jacob Kleiman Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2017 **ISBN** 3-319-19309-0 Edizione [1st edition 2017.] 1 online resource (XVI, 603 p.): 403 illus., 289 illus. in color Descrizione fisica Collana Astrophysics and Space Science Proceedings, , 1570-6591;; 47 Disciplina 620.419 Soggetti Materials - Effect of space environment on Space vehicles - Materials - Protection Nanotechnology and Microengineering Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Materials Engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Foreword -- Preface -- Introduction -- Individual Contributions --Nota di contenuto Index -- Bibliography. Sommario/riassunto The proceedings published in this book document and foster the goals of the 11th International Space Conference on "Protection of Materials and Structures from Space Environment" ICPMSE-11 to facilitate exchanges between members of the various engineering and science disciplines involved in the development of space materials. Contributions cover aspects of interaction with space environment of LEO, GEO, Deep Space, Planetary environments, ground-based qualification and in-flight experiments, as well as lessons learned from operational vehicles that are closely interrelated to disciplines of atmospheric sciences, solar-terrestrial interactions and space life sciences.