1. Record Nr. UNINA9911007257203321 Autore Gowayed Yasser **Titolo** Ceramic matrix composites: characterization, analysis, and applications / / Yasser Gowayed, Ph.D., Department of Fiber Science and Apparel Design, Cornell University, Greg Ojard, Ph.D., M.S., B.S., principal scientist, Measurement Sciences Department, United Technologies Research Center Pubbl/distr/stampa **DEStech Publications ISBN** 1-5231-5360-1 Ceramic-matrix composites Soggetti Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "Investigates both SiC/SiC and oxide ceramics Explains CCM Sommario/riassunto processing: polymer infiltration and pyrolysis (PIP), chemical vapor infiltration (CVI), melt infiltration (MI) and their effects Connects fiber architecture, reinforcements, and fabrication to mechanical, thermal, and electrical properties Gives guidelines for modeling and testing ceramic composites, including time-dependent behaviors For

composite materials engineers, students, and scientists"--