1. Record Nr. UNINA9910164745403321 Glass A. J Autore Titolo Laser Induced Damage in Optical Materials: 1978 Pubbl/distr/stampa [Place of publication not identified], : American Society for Testing & Materials, 1979 0-8031-5578-6 **ISBN** Descrizione fisica 1 online resource (364 pages) Disciplina 621.366 Soggetti Laser materials Lasers Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Sommario/riassunto The Tenth Annual Symposium on Optical Materials for High Power Lasers was divided into sessions concerning the Measurement of Absorption Characteristics, Bulk Material Properties, Mirrors and Surfaces, Thin Film Damage, Coating Materials and Design and Breakdown Phenomena. As in previous years, the emphasis of the papers presented at the Symposium was directed toward new frontiers and new developments. Particular emphasis was given to materials for use from 10.6 micrometers to the uv region. Highlights included surface characterization, thin film-substrate boundaries, and advances in fundamental laser-matter threshold interactions and mechanisms.

wavelength were also discussed.

The scaling of damage thresholds with pulse duration, focal area, and