

1. Record Nr.	UNISA996202847303316
Titolo	Proceedings of the 12th automotive materials conference [[electronic resource]] : a collection of papers presented at the 12th Automotive Materials Conference...March 14-15, 1984, University of Michigan, Ann Arbor, Michigan / / Lawrence H. Van Vlack, conference director; Joseph J. Gebhardt, program chairman
Pubbl/distr/stampa	Columbus, OH, : American Ceramic Society, 1984
ISBN	1-282-31415-7 9786612314155 0-470-32021-4 0-470-32056-7
Descrizione fisica	1 online resource (168 p.)
Collana	Ceramic engineering and science proceedings ; ; 5/5-6
Altri autori (Persone)	GebhardtJoseph J Van VlackLawrence H
Disciplina	500
Soggetti	Automobiles - Materials Ceramics
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	Proceedings of the 12th Automotive Materials Conference; Table of Contents; Why Ceramic Engines?; Ceramic Powder Processing; Properties Testing and Materials Evaluation; Cummins/TACOM Advanced Adiabatic Engine; Sintering Si ₃ N ₄ to High Density; HIPing of SiC; Ceramic Component Development for the AGTIOI Gas Turbine Engine; Ceramic Components for Gas Turbine Engines; Oxide Coatings from the Sol-Gel Process; Silicon Nitride-Cordierite Composites for Diesel Engine Applications; Designing with Ceramics; Toughening Mechanisms for Ceramics in Automotive Applications
Sommario/riassunto	This volume is part of the Ceramic Engineering and Science Proceeding (CESP) series. This series contains a collection of papers dealing with issues in both traditional ceramics (i.e., glass, whitewares, refractories, and porcelain enamel) and advanced ceramics. Topics covered in the area of advanced ceramic include bioceramics, nanomaterials, composites, solid oxide fuel cells, mechanical properties and structural

design, advanced ceramic coatings, ceramic armor, porous ceramics,
and more.
