

1. Record Nr.	UNINA9910813567603321
Titolo	Advances in ceramic matrix composites / / edited by I.M. Low
Pubbl/distr/stampa	Oxford : , : Woodhead Publishing, , 2014
ISBN	0-85709-882-9
Descrizione fisica	1 online resource (735 p.)
Collana	Woodhead Publishing series in composites science and engineering, , 2052-5281 ; ; number 45
Altri autori (Persone)	Lowl. M
Disciplina	620.14
Soggetti	Ceramic-matrix composites
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	part II. Types and processing -- part II. Properties -- part III. Applications.
Sommario/riassunto	Ceramic matrix composites (CMCs) have proven to be useful for a wide range of applications because of properties such as their light weight, toughness and temperature resistance. Advances in ceramic matrix composites summarises key advances and types of processing of CMCs. After an introductory chapter, the first part of the book reviews types and processing of CMCs, covering processing, properties and applications. Chapters discuss nanoceramic matrix composites, silicon carbide-containing alumina nanocomposites and advances in manufacture by various infiltration techniques including he