

1. Record Nr.	UNINA9910735386103321
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Titolo	Dental Ceramics : Fracture Mechanics and Engineering Design / / by Ulrich Lohbauer, Renan Belli
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-94687-8
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (132 pages)
Collana	Medicine Series
Disciplina	617.695 617.675
Soggetti	Dentistry Biomaterials Materials dentals Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1) Introduction -- Chapter 2) Chemistry and Microstructure -- Chapter 3) The Mechanics of Fracture in Dental Ceramics -- Chapter 4) Destruction Guides Construction -- Chapter 5) Construction Prevents Destruction.
Sommario/riassunto	This book is an evidence-based update on recent most significant advances in dental ceramics, specifically related to the relationships between composition, microstructure and mechanical behavior. Readers will find an introduction to the chemistry of dental ceramics as well as information about the technological progress and practical requirements restorative materials need to satisfy for long-lasting structural integrity. The book uses mechanistic approaches to address failure mechanisms from controlled experiments thus providing the tools for the application of sound research methodologies in the field. It is targeted for researcher and dentists interested in the field of dental ceramic materials and fracture mechanics.