

1. Record Nr.	UNINA9910138873303321
Titolo	Fractography of glasses and ceramics VI [[electronic resource]] : proceedings of the sixth Conference on the Fractography of Glasses and Ceramics, June 5-8, 2011, Jacksonville, Florida / / edited by James R. Varner, Marlene Wightman
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2012
ISBN	1-280-99833-4 9786613769947 1-118-43297-5 1-118-43298-3 1-118-43301-7
Descrizione fisica	1 online resource (326 p.)
Collana	Ceramic transactions, , 1042-1122 ; ; v. 230
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Disciplina	620.1/4046 620.14042 620.14046
Soggetti	Fractography
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	Fractography of Glasses and Ceramics VI; Contents; Preface; Dedication; In Memoriam; A History of the Fractography of Glasses and Ceramics; The Effect of Defects and Materials Texture on the Fracture of Low-Pressure Injection Moulded Alumina Components; Single Edge V-Notch Fractography of Engineering Ceramics; Roughness of Silica Glass Sub-Critical Fracture Surfaces; Fractography in the Development of Ion-Exchanged Cover Glass; Crack Branching in Glass Interface Driven by Dynamic Loading A Strain Energy Release Rate Criterion for Formation of the Mirror/Mist Boundary, Depiction on the (G,R) vs. C Universal Energy DiagramScratch Damage in Ion-Exchanged Alkali Aluminosilicate Glass: Crack Evolution and the Dependence of Lateral Cracking Threshold on Contact Geometry; Fractography Lessons from Knapping; Failure and Damage Mechanisms in Ceramic Nanocomposites; Failure Analysis of

Ceramic Laminates Using Quantitative Fractography and Fractal Geometry; Fractographic Analysis of Broken Ceramic Dental Restorations; Fractography of Ceramic Dental Implants Modes of Failure of Bonding Interfaces in Dentistry Qualitative and Quantitative Fractographic Analysis of All-Ceramic Fixed Partial Dentures; Intrinsic Strength, Damage and Failure; The Notched Ball Test-Characterisation of Surface Defects and their Influence on Strength; Analytical Model for Improved Residual Surface Stress Approximation; Thermal Shock Behavior of Si₃N₄-Specimens-Influence of Annealing and Edges; A Fracture Analysis of Gadolinium-Doped Ceria Ceramics to Improve Strength and Reliability Triple Blind Fractography Study of Yttria-Stabilized Zirconia Thin-Film-Modified Porcelain Residual Failure Due to Incomplete Sintering of Vitreous China Plumbing Fixtures; Laminate Design Effects on the Fracture Patterns of Impact Resistance Glass Panels; Application of Fractography in Pharmaceutical Industry; Using Replicas in Fractography of Glasses and Ceramics-Advantages and Pitfalls; Author Index

Sommario/riassunto

Provides an excellent one-stop resource for understanding the most important current issues in the research and applications of fractography of glasses and ceramics.
