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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 DentistryQualitative 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 PorcelainResidual 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.
