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Deformation of Ceramic Materials II

By Tressler, Richard E. / Bradt, Richard C.

Book Condition: New. Publisher/Verlag: Springer, Berlin | This volume "Deformation of Ceramic Materials II" constitutes the proceedings of an international symposium held at The Pennsylvania State University, University Park, PA on July 20, 21, and 22, 1983. It includes studies of semiconductors and minerals which are closely related to ceramic materials. The initial conference on this topic was held in 1974 at Penn State and the proceedings were published in the volume entitled "Deformation of Ceramic Materials." This conference emphasized the deformation behavior of crystals and polycrystalline and polyphase ceramics with internationally recognized authorities as keynote lecturers on the major subtopics. Several papers dealing with cavity nucleation and creep crack growth represent a major new research thrust in ceramics since the first conference. This collection of papers represents the state-of-the art of our understanding of the plastic deformation behavior of ceramics and the crystals of which they are composed. We are grateful for the suggestions of our International Advisory Committee in recommending experts in their respective countries to participate. We are particularly grateful that the organizers of the previous Dislocation-Point Defect Interaction Workshops agreed to participate in the Penn State Symposium as an alternative at the suggestion of Prof....



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