



Physical Ceramics: Principles for Ceramic Science and Engineering

By Yet-Ming Chiang, Dunbar P. Birnie, W. David Kingery

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Designed to provide students with the core understanding necessary to pursue the subject of ceramics as it now exists and to be prepared for any surprises likely to emerge. Key concepts are developed in a sequence which builds on firm foundations, using the material learned so that its significance is continuously reinforced. The nature of defects which intrudes upon the perfect geometry of ideal crystal structures, migration of matter and charge, chemical and phase equilibria are among the subjects discussed.

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Editorial Review

From the Publisher

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From the Back Cover

Physical Ceramics: Principles for Ceramic Science and Engineering represents the combined efforts of a highly respected author team with over 30 collective years experience teaching ceramics. This text provides an innovative introduction to the fundamental principles of Ceramics, diverse enough to prepare students for more advanced study in ceramics, materials science, and related engineering fields. The brief, yet comprehensive format provides everything students need to build a solid foundation in ceramics including the fundamental scientific background material needed for more advanced courses in ceramics and materials science; class-tested problems and solutions, built from the authors' extensive teaching experience; a large collection of illustrations to provide a visual representation of principles; reading lists to promote further study in a wide variety of related areas; "Special Topics" sections in each chapter to illustrate advanced technology and practical applications of fundamental principles; and an accompanying interactive disk that allows for self-testing, and features several illustrations in a 3-dimensional format (including structure and ternary phase equilibrium).

Users Review

From reader reviews:

Shellie Toy:

Precisely why? Because this Physical Ceramics: Principles for Ceramic Science and Engineering is an unordinary book that the inside of the publication waiting for you to snap that but latter it will zap you with the secret the idea inside. Reading this book close to it was fantastic author who have write the book in such awesome way makes the content interior easier to understand, entertaining approach but still convey the meaning totally. So , it is good for you because of not hesitating having this anymore or you going to regret it. This book will give you a lot of positive aspects than the other book get such as help improving your ability and your critical thinking approach. So , still want to hesitate having that book? If I were being you I will go to the e-book store hurriedly.

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the reader the hottest and based confirm resource info that maybe you can be among it. This great information may drawn you into completely new stage of crucial pondering.

Michelle Morrow:

In this age globalization it is important to someone to get information. The information will make you to definitely understand the condition of the world. The healthiness of the world makes the information simpler to share. You can find a lot of references to get information example: internet, paper, book, and soon. You will see that now, a lot of publisher that print many kinds of book. The actual book that recommended for you is Physical Ceramics: Principles for Ceramic Science and Engineering this reserve consist a lot of the information from the condition of this world now. This specific book was represented so why is the world has grown up. The vocabulary styles that writer make usage of to explain it is easy to understand. The actual writer made some exploration when he makes this book. This is why this book appropriate all of you.

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