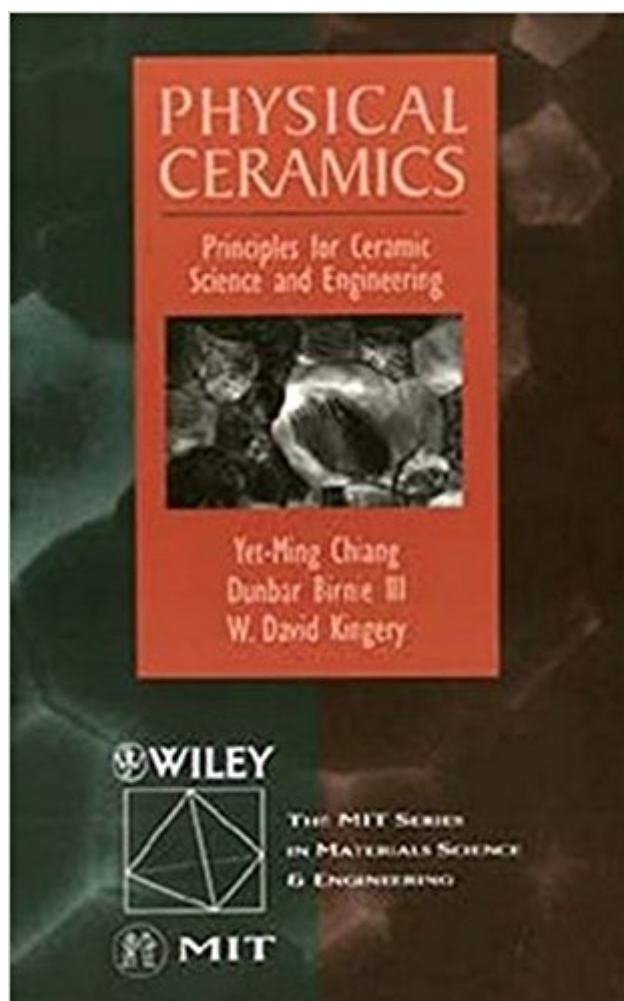


The book was found

Physical Ceramics: Principles For Ceramic Science And Engineering



Synopsis

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.

Book Information

Paperback: 544 pages

Publisher: Wiley; 1 edition (May 11, 1996)

Language: English

ISBN-10: 0471598739

ISBN-13: 978-0471598732

Product Dimensions: 6.4 x 1.4 x 9.6 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 3.5 out of 5 stars 3 customer reviews

Best Sellers Rank: #710,661 in Books (See Top 100 in Books) #24 in [Books > Engineering & Transportation > Engineering > Chemical > Coatings, Ceramics & Glass](#) #755 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Materials Science](#) #2152 in [Books > Textbooks > Science & Mathematics > Physics](#)

Customer Reviews

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.

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).

Price deserves hard cover book. I got soft cover.

just fine. I was blown away by how sharp this product is. It cut throw my very soft loaf of Italian without a single tear. I hesitated before I bought it because of another review who said it wasn't sharp enough, but mine is outstanding. perfect. value for this price. i love it so much,

Should be on any ceramic engineer or scientist's bookshelf. This book is classic in it's presentation of physical properties of ceramics. Together with Kingery & Reed, Chiang's book makes a powerful trio in any ceramic engineers resource collection.

[Download to continue reading...](#)

Physical Ceramics: Principles for Ceramic Science and Engineering Ceramics: 1-2-3 Easy Steps To Mastering Ceramics! (Ceramics, Scrapbooking, Candle Making, Jewelry, Pottery) Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Ceramic Matrix Composites: Fiber Reinforced Ceramics and their Applications Making Ceramic Sculpture: Techniques * Projects * Inspirations (A Lark Ceramics Book) 500 Cups: Ceramic Explorations of Utility & Grace (A Lake Ceramics Book) Setting Up Your Ceramic Studio: Ideas & Plans from Working Artists (A Lark Ceramics Book) The Art of Ceramics: European Ceramic Design 1500-1830 Modern Ceramic Engineering: Properties, Processing, and Use in Design, 3rd Edition (Materials Engineering) Antique Trader Pottery & Porcelain Ceramics Price Guide (Antique Trader Pottery and Porcelain Ceramics Price Guide) Ceramics for Beginners!: Techniques, Tools & Tips To Get Started With Ceramics, Pottery & Sculpting Made in Japan Ceramics Book III: Identification & Values (Collector's Guide to Made in Japan Ceramics) Ceramics for Beginners: Wheel Throwing (A Lark

Ceramics Book) Surface Design for Ceramics (A Lark Ceramics Book) Dental Ceramics:
Proceedings of the First International Symposium on Ceramics Wheel-Thrown Ceramics: Altering,
Trimming, Adding, Finishing (Lark Ceramics Book) Dictionary of Ceramic Science and Engineering
Ceramic Materials: Science and Engineering Basic Principles and Calculations in Chemical
Engineering (8th Edition) (Prentice Hall International Series in the Physical and Chemical
Engineering Sciences) Fundamentals of Ceramics (Series in Materials Science and Engineering)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)