Introduction to Materials Science and Engineering (bilingual colleges and universities teaching materials)



Filesize: 1.2 MB

Reviews

This publication is wonderful. It can be rally fascinating throgh reading period of time. You are going to like the way the writer create this publication.

(Mrs. Piper Jacobi)

INTRODUCTION TO MATERIALS SCIENCE AND ENGINEERING (BILINGUAL COLLEGES AND UNIVERSITIES TEACHING MATERIALS)



paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 220 Publisher: Chemical Industry Pub. Date: 2011-08-01 version 1 by Mr Chan is. Wang Wei. Liu Chunyan so write the Introduction to Materials Science and Engineering (bilingual). Introduction to Materials Science and Engineering is a bilingual materials to the existing Introduction to Materials Science and Engineering program criteria. combined with Chinese teaching materials. a reference to foreign materials and in accordance with the original teaching of the domestic situation and the latest developments in materials science content appropriate for the integration of teaching materials. The book is divided into nine chapters. the specific contents include: Introduction. the structure of solid materials. commonly used engineering materials (polymers. metals. ceramics and composite materials). mechanical properties. composition. processing technology and potential applications. commonly used engineering chemical properties of materials (corrosion resistance) and physical properties (electrical. magnetic. thermal and optical properties), and new materials (bio-materials, nano materials and smart materials) of the introduction and so on. Introduction to Materials Science and Engineering (bilingual) for universities and related materials science and engineering professionals and students to use. also available in materials science and engineering research. development and management of the officers. Contents: Chapter 1 Introduction1Learning Objectives11.1 Historical Perspective11.2 What is Materials Science and Engineering21.3 Why Study Materials Science and Engineering51.4 Classification of Materials51.5 Advanced Materials91.6 Modern Materials' Needs10References11Chapter 2 The Structure of Crystalline Solids13Learning Objectives132.1 Atomic Structure and Interatomic Bonding132.1.1 Fundamental Concepts142.1.2 Bonding Forces and Energies142.1.3 Atomic Bonding in Solids162.2 Crystal Structures222.2.1 Fundamental Concepts222.2.2 Metallic Crystal Structures and Crystal Systems232.2.3 Crystallographic Points. Directions. and Planes302.2.4 Crystalline and Noncrystalline Materials372.3 Imperfections in Solids402.3.1 Point Defects in Metals402.3.2 Dislocations-Linear Defects432.3.3 Interfacial Defects442.3.4 Bulk or Volume Defects46References48Chapter 3 Polymer Materials49Learning Objectives493.1 Polymer Structures493.1.1 Introduction493.1.2 Fundamental Concepts493.1.3...



Read Introduction to Materials Science and Engineering (bilingual colleges and universities teaching materials) Online Download PDF Introduction to Materials Science and Engineering (bilingual colleges and universities teaching materials)

Other Books



Process instrumentation and automation (chemical biological and other light food and pharmaceutical process environment applicable to general categories of professional higher education teaching second Five)

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 197 Publisher: Machinery Industry Pub. Date: 2011-08-01 version 1. this book by Linde...

Download Book



Heavy metal metallurgy (general higher education teaching second Five)

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the $shipment. Pages\ Number:\ 366\ Publisher:\ Metallurgical\ Industry\ Pub.\ Date:\ 2011-08-01\ version\ 1.\ Dixiu\ Jing\ editor\ of...$

Download Book



9787302296874 cabling engineering technology and training tutorials (Vocational new curriculum system(Chinese Edition)

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2012-09-01 Pages: 218 Publisher: Tsinghua University Press title: the cabling engineering technology... Download Book



Manufacturing Technology (vocational second Five-materials) machinery Professional Series

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the $shipment. Pages\ Number:\ 254\ Publisher:\ Nanjing\ University\ Pub.\ Date:\ 2011-08-01\ version\ 1.\ Manufacturing\ Technology\ is\ a...$

Download Book



Metal processing base (color version Secondary vocational and technical schools teaching general machinery)

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 225 Publisher: China Labor and Social Security Pub. Date: 2011-08-01 version 1. Metal...

Download Book