

<<国外名校名著>>

图书基本信息

书名：<<国外名校名著>>

13位ISBN编号：9787122034564

10位ISBN编号：7122034569

出版时间：2008-9

出版时间：尼里 (Neely.J.E.)、 贝汤 (Bertone.T.J.) 化学工业出版社 (2008-09出版)

作者：(美) 尼里 著

页数：449

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

前言

This textbook on metallurgy and materials is ideally used as an introductory book for both materials science and metallurgy courses and for students whose majors are closely related, such as quality control, machine tool technology, welding technology, and many others. Practical Metallurgy and Materials of Industry, Sixth Edition, includes many of the latest industry processes that change the physical and mechanical properties of materials and is highly recommended as a "materials processing" reference handbook in support of design, process, electrical, and chemical technicians and engineers. The book is intended to be easy to read. We make an effort to explain complex metallurgical terms in clear, practical language within the text. An extensive glossary is also included. Practical Metallurgy and Materials of Industry, Sixth Edition, establishes a solid foundation for understanding the behavior and characteristics of metals and materials as well as the practices for materials processing currently used in the metals and materials industry. The text also provides the student with a basic understanding of the mechanisms that cause material failures and those that prevent failures. The highly visual approach in this book uses graphics, drawings, illustrations, and photographs of actual equipment used to produce the alloy and/or perform specific processing operations during product manufacturing. Photomicrographs are often included to show the differences in metals when they are subjected to certain conditions such as heating, forming, or forging. A reinforcement approach to instruction is used throughout the book by building on previously covered information and by encouraging the student to read the material, use the worksheets, read the case problems, and complete the self-evaluation section at the end of each chapter.

内容概要

This textbook on metallurgy and materials is ideally used as an introductory book for both materials science and metallurgy courses and for students whose majors are closely related, such as quality control, machine tool technology, welding technology, and many others. Practical Metallurgy and Materials of Industry, Sixth Edition, includes many of the latest industry processes that change the physical and mechanical properties of materials and is highly recommended as a "materials processing" reference handbook in support of design, process, electrical, and chemical technicians and engineers. The book is intended to be easy to read. We make an effort to explain complex metallurgical terms in clear, practical language within the text. An extensive glossary is also included. Practical Metallurgy and Materials of Industry, Sixth Edition, establishes a solid foundation for understanding the behavior and characteristics of metals and materials as well as the practices for materials processing currently used in the metals and materials industry. The text also provides the student with a basic understanding of the mechanisms that cause material failures and those that prevent failures.

<<国外名校名著>>

作者简介

作者：(美国)尼里 (Neely.J.E.) (美国)贝汤 (Bertone.T.J.)

书籍目录

Chapter 1 Extracting Metal from OresChapter 2 The Casting of MetalsChapter 3 The Physical and Mechanical Properties of MetalsChapter 4 The Crystal Structure of Metals, Basic Phase Diagrams, and the Metallographic Sample Preparation LaboratoryChapter 5 Classification, Identification, and Selection of Iron AlloysChapter 6 The Manufacturing of Steel ProductsChapter 7 Heat-Treating EquipmentChapter 8 The Iron-Carbon Phase DiagramChapter 9 The Hardenability of Steels, I-T/T-T-T Diagrams, and Cooling CurvesChapter 10 Annealing, Stress Relieving, Normalizing, Hardening, and Tempering of SteelsChapter 11 Welding Processes for iron and Iron AlloysChapter 12 Identification and Heat Treatment of Nonferrous MetalsChapter 13 Metallurgy of Welds: Nonferrous MetalsChapter 14 Powder MetallurgyChapter 15 Corrosion of MetalsChapter 16 Composite MaterialsChapter 17 Nondestructive TestingChapter 18 Plastics and ElastomersChapter 19 Ceramic MaterialsChapter 20 Wood and Paper ProductsChapter 21 Adhesives, Industrial Lubricants, and GasesChapter 22 Hardness TestingChapter 23 Failure Analysis and Materials Characterization TechniquesAppendixGlossaryIndex

<<国外名校名著>>

章节摘录

插图：

编辑推荐

《冶金学与工业材料概论(第6版)(英文影印版)》由化学工业出版社出版。

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>