



Microstructure and Properties of Materials: Vol 2 (Hardback)

By J.C.M. Li

World Scientific Publishing Co Pte Ltd, Singapore, 2000. Hardback. Book Condition: New. 218 x 162 mm. Language: English . Brand New Book. This is the second volume of an advanced textbook on microstructure and properties of materials. (The first volume is on aluminum alloys, nickel-based superalloys, metal matrix composites, polymer matrix composites, ceramics matrix composites, inorganic glasses, superconducting materials and magnetic materials). It covers titanium alloys, titanium aluminides, iron aluminides, iron and steels, iron-based bulk amorphous alloys and nanocrystalline materials. There are many elementary materials science textbooks, but one can find very few advanced texts suitable for graduate school courses. The contributors to this volume are experts in the subject, and hence, together with the first volume, it is a good text for graduate microstructure courses. It is a rich source of design ideas and applications, and will provide a good understanding of how microstructure affects the properties of materials. Chapter 1, on titanium alloys, covers production, thermomechanical processing, microstructure, mechanical properties and applications. Chapter 2, on titanium aluminides, discusses phase stability, bulk and defect properties, deformation mechanisms of single phase materials and polysynthetically twinned crystals, and interfacial structures and energies between phases of different compositions. Chapter 3, on iron aluminides, reviews...

DOWNLOAD



READ ONLINE

[5.04 MB]

Reviews

This book is definitely not effortless to start on looking at but really exciting to see. It really is simplistic but surprises from the 50 % from the pdf. I am just effortlessly can get a delight of looking at a published book.

-- Thurman Schamberger

Undoubtedly, this is the best function by any writer. It usually will not charge too much. I am just very easily can get a pleasure of looking at a written ebook.

-- Alivia Quigley MD

Related Books



Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English] (Paperback)

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English] (Paperback)

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



More Spaghetti, I Say! (Paperback)

Scholastic Inc., United States, 1993. Paperback. Book Condition: New. Mort Gerberg (illustrator). Reissue. 218 x 147 mm. Language: English . Brand New Book. With inspiring and educational stories, Scholastic's Hello Reader series caters to the spectrum of reading abilities among beginning...



Adult Coloring Book Birds: Advanced Realistic Bird Coloring Book for Adults (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****.Take your coloring to the next level with this Advanced Adult Coloring Book of Birds! Get more...



Nautical Coloring Book: An Advanced Adult Coloring Book of Nautical, Maritime and Seaside Scenes (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****.Take your coloring to the next level with this Advanced Adult Coloring Book! Get more realistic coloring...



Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: A Yak at the Picnic (Hardback)

Oxford University Press, United Kingdom, 2014. Hardback. Book Condition: New. Mr. Nick Schon (illustrator). 177 x 148 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK's best-selling home reading series. It is based on...