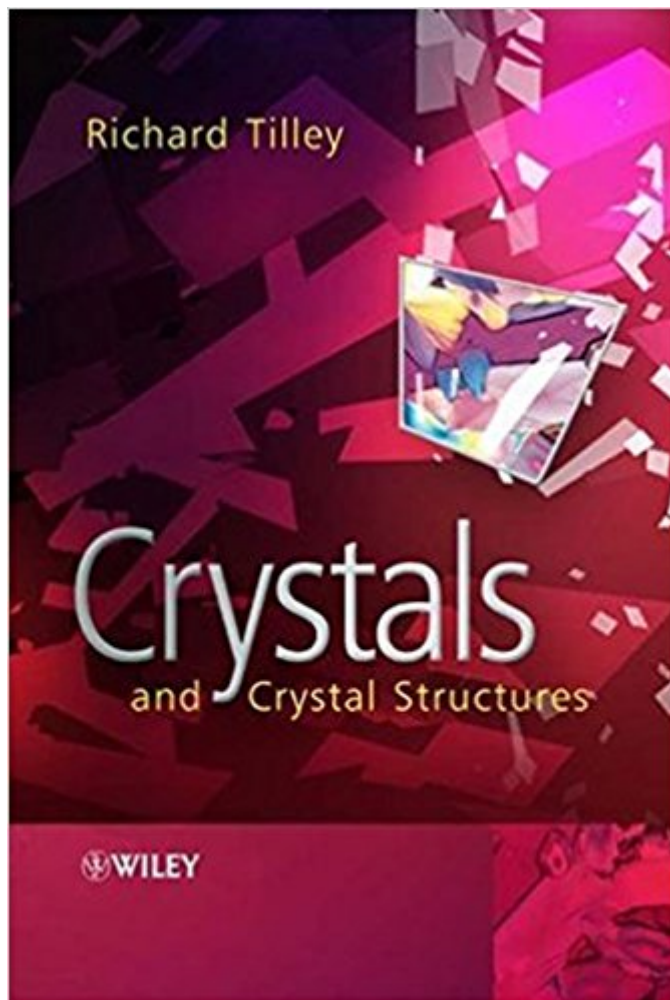


The book was found

Crystals And Crystal Structures



Synopsis

Crystals and Crystal Structures is an introductory text for students and others who need to understand the subject without necessarily becoming crystallographers. Using the book will enable students to read scientific papers and articles describing a crystal structure or use crystallographic databases with confidence and understanding. Reflecting the interdisciplinary nature of the subject the book includes a variety of applications as diverse as the relationship between physical properties and symmetry, and molecular and protein crystallography. As well as covering the basics the book contains an introduction to areas of crystallography, such as modulated structures and quasicrystals, and protein crystallography, which are the subject of important and active research.

A non-mathematical introduction to the key elements of the subject
Contains numerous applications across a variety of disciplines
Includes a range of problems and exercises
Clear, direct writing style

"the book contains a wealth of information and it fulfils its purpose of providing an interesting and broad introduction to the terpenes." CHEMISTRY WORLD, February 2007

Book Information

Paperback: 272 pages

Publisher: Wiley; 1 edition (August 25, 2006)

Language: English

ISBN-10: 0470018216

ISBN-13: 978-0470018217

Product Dimensions: 7.5 x 0.5 x 9.7 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 1 customer review

Best Sellers Rank: #643,199 in Books (See Top 100 in Books) #51 in Books > Science & Math > Chemistry > Crystallography #714 in Books > Medical Books > Medicine > Internal Medicine > Pathology > Clinical Chemistry #2008 in Books > Science & Math > Chemistry > General & Reference

Customer Reviews

"Overall I can recommend this book for anybody teaching crystallography to undergraduates," (Physical Sciences Educational Reviews, December 2006)

"contains a wealth of information and it fulfils its purpose of providing an interesting and broad introduction to the terpenes." (Chemistry World, February 2007)

“provides a clear introduction to crystal structures” does not overpower the reader with extensive mathematics. (Physical Sciences Educational Reviews, December 2006)

Crystallography plays an important part in a wide range of disciplines, including biology, chemistry, materials science and technology, mineralogy, physics, and engineering. *Crystals and Crystal Structures* is an introductory text for students and others who need to enable students to read scientific papers and articles describing a crystal structure or use enable students to read scientific papers and articles describing a crystal structure or use crystallographic databases with confidence and understanding. Reflecting the interdisciplinary nature of the subject, the book includes a variety of applications as diverse as the relationship between physical properties and symmetry, and molecular and protein crystallography. As well as covering the basics the book contains an introduction to areas of crystallography, such as modulated structures and quasicrystals, and protein crystallography, which are the subject of important and active research. Features

- A non-mathematical introduction to the key elements of the subject
- Contains numerous applications across a variety of disciplines
- Includes a range of problems and exercises
- Written by an author with many years teaching and research experience

Crystals and Crystal Structures will prove invaluable to students taking an introductory course in crystallography in departments of chemistry, physics, materials science, biosciences and geology.

The book is a good, undergraduate level introduction to crystallography. It describes the basic concepts, like a Bravais lattice, and the 230 space groups. The key idea to grasp is symmetry. And how this can lead to tiling in two or three dimensions. Giving rise to such structures as a body centred cubic or face centred cubic lattice. The exercises in each chapter should be easy to do. There is relatively little formal maths. The International Notation for these finite groups is also deprecated.

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

Crystal Healing: Charge Up Your Mind, Body And Soul - Beginner's Journey (Crystal Healing For Beginners, Chakras, Meditating With Crystals, Healing Stones, Crystal Magic, Power of Crystals Book 1) Crystal Healing: Charge Up Your Mind, Body And Soul - Beginner's Journey (Crystal Healing For Beginners, Chakras, Meditating With Crystals, Healing Stones, Crystal Magic, Power of Crystals) (Volume 1) Crystals: Crystal Healing For Beginners, Discover The Healing Power Of Crystals And Healing Stones To Heal The Human Energy Field, Relieve Stress and Experience

Instant Relaxation !-THIRD EDITION- Crystal Prescriptions: The A-Z Guide to Over 1,200 Symptoms and Their Healing Crystals (Crystal Prescriptions) Crystals: The Ultimate Guide To: Energy Fields, Auras, Chakras and Emotional Healing (Aura, Healing Stones, Crystal Energy, Crystal Healing, Energy Fields, Emotional Healing, Gemstone) Crystal Enlightenment: The Transforming Properties of Crystals and Healing Stones (Crystal Trilogy, Vol. 1) Crystal Healing: Simple Guide To Understanding The Benefits Of Crystals (Healing Stones ,Energy Healing,Crystal Healing Book 2) Crystal Healing: The Ultimate Reference Guide To Understanding The Benefits of Crystals (Healing Stones, Energy Healing, Crystal Healing, Chakras Book 1) Crystal Healing: The Ultimate Reference Guide To Understanding The Benefits of Crystals (Healing Stones, Energy Healing, Crystal Healing, Chakras) Wicca Crystal Magic: A Beginner's Guide to Practicing Wiccan Crystal Magic, with Simple Crystal Spells Wicca Crystal Magic: A Beginner's Guide to Practicing Wiccan Crystal Magic, with Simple Crystal Spells (Wicca Books Book 4) Crystals and Crystal Structures 101 Power Crystals: The Ultimate Guide to Magical Crystals, Gems, and Stones for Healing and Transformation Crystals and Stones: A Complete Guide to Their Healing Properties (The Group of 5 Crystals Series) The Essential Guide to Crystals: All the Crystals You Will Ever Need for Health, Healing, and Happiness (Essential Guides Series) X-Ray Diffraction: In Crystals, Imperfect Crystals, and Amorphous Bodies (Dover Books on Physics) Crystals for Energy Healing: A Practical Sourcebook of 100 Crystals Crystals for Beginners: A Guide to Collecting & Using Stones & Crystals (For Beginners (Llewellyn's)) Crystal Grids Power: Harness The Power of Crystals and Sacred Geometry for Manifesting Abundance, Healing and Protection Crystal Healing Mastery: Heal Your Life With The Miracles And Power Of Crystals And Stones

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)