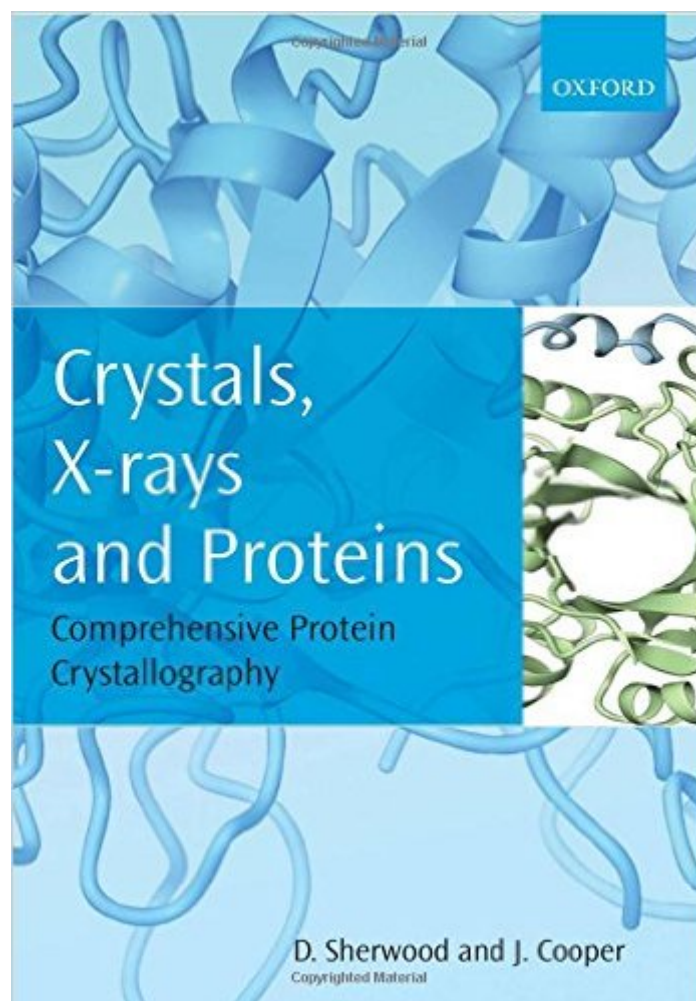


The book was found

Crystals, X-rays And Proteins: Comprehensive Protein Crystallography



Synopsis

A complete account of the theory of the diffraction of X-rays by crystals, with particular reference to the processes of determining the structures of protein molecules. This book is aimed primarily at structural biologists and biochemists but will also be valuable to those entering the field with a background in physical sciences or chemistry. It may be used at any post-school level, and develops from first principles all relevant mathematics, diffraction and wave theory, assuming no mathematical knowledge beyond integral calculus. The book covers a host of important topics in the area, including:- The practical aspects of sample preparation and X-ray data collection, using both laboratory and synchrotron sources - Data analysis at both theoretical and practical levels- The important role played by the Patterson function in structure analysis, by both molecular replacement and experimental phasing approaches - Methods for improving the resulting electron density map - The theoretical basis of methods used in refinement of protein crystal structures - In-depth explanation of the crucial task of defining the binding sites of ligands and drug molecules - The complementary roles of other diffraction methods: these reveal further detail of great functional importance in a crystal structure.

Book Information

Paperback: 640 pages

Publisher: Oxford University Press; 1 edition (May 24, 2015)

Language: English

ISBN-10: 0198726325

ISBN-13: 978-0198726326

Product Dimensions: 9.7 x 1.2 x 6.7 inches

Shipping Weight: 2.7 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,295,871 in Books (See Top 100 in Books) #93 in Books > Science & Math > Chemistry > Crystallography #888 in Books > Science & Math > Chemistry > Physical & Theoretical #1453 in Books > Engineering & Transportation > Engineering > Bioengineering > Biochemistry

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

Crystals, X-rays and Proteins: Comprehensive Protein Crystallography DIY Protein Bars: 25 Simple Protein Bar Recipes For Making Quick Healthy Snacks. Learn How to Make Protein Bars in No Time (diy protein bars, protein bars, high protein snacks) DIY Protein Bars: Simple & Tasty

Homemade Protein Bar Recipes for Weight Loss, and Build Muscles to Replace a Properly
Balanced Meal (Protein Bars, DIY Protein Bars, protein bars at home) Crystals: Your Beginners
Guide To Crystals And Healing Stones (Power of Crystals, Healing Stones,Relieve Stress, Energy
Healing) Ideal Protein Cookbook - The Ultimate Guide in Protein for Fitness Health and Wellness:
The Ultimate Guide in Protein for Fitness Health and Wellness The Beginners Guide to Chakra's
and Crystals Box Set:: A Beginners Guide To Crystals Their Uses And Healing Powers And
Chakras: Understanding The 7 Main ... Gems, Law of Attraction) 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- Crystals: The
Complete Beginner's Guide to Crystals and Crystal Healing The Essential Guide to Crystals: Tap
into the healing power of crystals Superfood Protein Bars On-the-Go: Easy and Delicious DIY
Protein Bar Recipes For Extreme Weight Loss, Energy and Vibrant Health Protein Power: The
High-Protein/Low Carbohydrate Way to Lose Weight, Feel Fit, and Boost Your Health-in Just
Weeks! Stability of Protein Pharmaceuticals: Part B: In Vivo Pathways of Degradation and
Strategies for Protein Stabilization (Pharmaceutical Biotechnology) Vegan: High Protein Cookbook:
50 Delicious High Protein Vegan Recipes (Dairy Free, Gluten Free, Low Cholesterol, Vegan Diet,
Vegan for Weight loss, vegetarian, vegan bodybuilding, Cast Iron,) DIY Protein Bars Cookbook:
Easy, Healthy, Homemade No-Bake Treats That Taste Like Dessert, But Just Happen To Be
Packed With Protein! Low Carb: Low Carb Diet for Beginners - How to Lose 7 Pounds in 7 Days
with Low Carb & High Protein Diet Without Starving! (low carbohydrate, high protein, ... carb
cookbook, ketogenic diet, paleo diet) Vegan Protein Recipes: 51 Healthy Protein Packed Recipes
for Muscle Building, Toning, & Balanced Nutrition Protein-Protein Interactions in Drug Discovery,
Volume 56 Minerals and Rocks: Exercises in Crystal and Mineral Chemistry, Crystallography, X-ray
Powder Diffraction, Mineral and Rock Identification, and Ore Mineralogy Rays of the Same Light:
Parallel Passages, with Commentary, from the Bible and the Bhagavad Gita Neutron, X-rays and
Light. Scattering Methods Applied to Soft Condensed Matter (North-Holland Delta Series)

[Dmca](#)