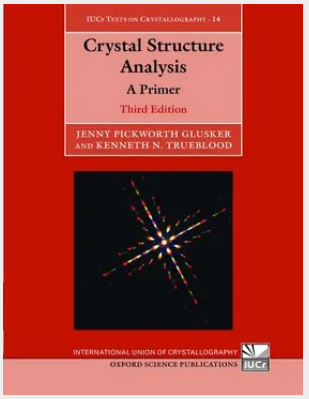
Glusker / Trueblood

Crystal Structure Analysis

A Primer

This book aims to explain how and why the detailed three-dimensional architecture of molecules can be determined by an analysis of the diffraction patterns obtained when X rays or neutrons are scattered by the atoms in single crystals. Part 1 deals with the nature of the crystalline state, diffraction generally, and diffraction by crystals in particular, and, briefly, the experimental procedures that are used. Part II examines the problem of converting the experimentally obtained data into a model of the atomic arrangement that scattered these beams. Part III is concerned with the techniques for refining the approximate structure to the degree warranted by the experimental data. It also describes the many types of information that can be learned by modern crystal structure analysis. There is a glossary of terms used and several appendixes to which most of the mathematical details have been relegated.



109,50 €
102,34 € (zzgl. MwSt.)

Nicht mehr lieferbar

Artikelnummer: 9780199576340
Medium: Buch
ISBN: 978-0-19-957634-0
Verlag: Oxford University Press
Erscheinungstermin: 27.05.2010
Sprache(n): Englisch
Auflage: 3. Revised Auflage 2010
Serie: International Union of Crystallography Texts on Crystallography
Produktform: Gebunden
Gewicht: 843 g
Seiten: 300
Format (B x H): 197 x 254 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)