

1. Record Nr.	UNINA9910146409903321
Autore	McPherson Alexander <1944->
Titolo	Introduction to macromolecular crystallography [[electronic resource] /] / Alexander McPherson
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Blackwell, c2009
ISBN	1-118-21063-8 1-282-11271-6 9786612112713 0-470-39151-0 0-470-39154-5
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (279 p.)
Disciplina	548.8 548/.83
Soggetti	Macromolecules - Structure X-ray crystallography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 238-242) and index.
Nota di contenuto	An overview of macromolecular crystallography -- Crystallization of macromolecules -- The nature of crystals: symmetry and the unit cell -- Waves and their properties -- Diffraction from points, planes, molecules, and crystals -- Interpretation of diffraction patterns -- Data collection -- Solving the phase problem -- Interpreting Patterson maps -- Electron density, refinement, and difference Fourier maps.
Sommario/riassunto	A comprehensive and approachable introduction to crystallography - now updated in a valuable new edition The Second Edition of this well-received book continues to offer the most concise, authoritative, and easy-to-follow introduction to the field of crystallography. Dedicated to providing a complete, basic presentation of the subject that does not assume a background in physics or math, the book's content flows logically from basic principles to methods, such as those for solving phase problems, interpretation of Patterson maps and the difference Fourier method, the fundamental theor