

1. Record Nr.	UNINA9910817781903321
Autore	Luger Peter <1943->
Titolo	Modern X-ray analysis on single crystals : a practical guide // Peter Luger
Pubbl/distr/stampa	Berlin, Germany : , : De Gruyter, , 2014 ©2014
ISBN	1-5231-0057-5 3-11-030828-2
Edizione	[Second fully revised and extended edition.]
Descrizione fisica	1 online resource (348 p.)
Classificazione	UQ 5600
Disciplina	548
Soggetti	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 and index.
Nota di contenuto	Frontmatter -- Preface to the 1st edition -- Preface to the 2nd edition / Luger, Peter -- Contents -- 1. Introduction -- 2. Fundamental results of diffraction theory, X-radiation -- 3. Preliminary experiments -- 4. Crystal symmetry -- 5. Diffractometer measurements -- 6. Computer programs -- 7. Solution of the phase problem -- 8. Refinements -- 9. Structure analysis at non-routine conditions -- 10. Concluding remarks and outlook -- Appendix: Mathematics -- Bibliography -- Index
Sommario/riassunto	An excellent book for professional crystallographers! In 2012 the crystallographic community celebrated 100 years of X-ray diffraction in honour of the pioneering experiment in 1912 by Max von Laue, Friedrich and Knipping. Experimental developments e.g. brilliant X-ray sources, area detection, and developments in computer hardware and software have led to increasing applications in X-ray analysis. This completely revised edition is a guide for practical work in X-ray analysis. An introduction to basic crystallography moves quickly to a practical and experimental treatment of structure analysis. Emphasis is placed on understanding results and avoiding pitfalls. Essential reading for researchers from the student to the professional level interested in understanding the structure of molecules.

2. Record Nr.	UNINA9911006814403321
Titolo	Bone graft substitutes and bone regenerative engineering // [edited by] Cato T. Laurencin, M.D., Ph. D., Tao Jiang, MBA
Pubbl/distr/stampa	ASTM International
ISBN	0-8031-7061-0 1-5231-0596-8
Disciplina	617.4/710592
Soggetti	Bone Regeneration Bone Substitutes Bone Transplantation - methods Bone Morphogenetic Proteins Growth Substances
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Bone graft substitutes : past, present, and future -- Bone graft substitutes : classifications and orthopaedic applications -- Xenograft use in orthopaedic surgery -- Bone grafts based on demineralized bone matrix -- Clinical perspectives on the use of allogenic tissue substitutes -- Cell-based approaches for bone regeneration -- Review of state of the art : growth factor-based systems for use as bone -- Graft substitutes -- Bone morphogenetic proteins in human bone regeneration : successes and challenges -- Synthetic biomimetic porous polymer scaffolds for bone regeneration synthetic bone graft substitutes : basic information for successful -- Clinical use -- Bone graft substitutes : a regulatory perspectives -- Nanoscale technologies for bone grafting -- New bone grafting technologies using stem cells -- Strategies towards engineering vascularized bone graft substitutes regenerative engineering : fulfilling the tissue engineering promise to -- Bone regeneration.