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| 1. Record Nr.           | UNISA996466718003316  |
| Titolo                  | Applications of Synchrotron Light to Scattering and Diffraction in Materials and Life Sciences [[electronic resource] /] / edited by T.A. Ezquerra, Mari Cruz Garcia-Gutierrez, Aurora Nogales, Marian Gomez  |
| Pubbl/distr/stampa      | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009  |
| ISBN                    | 1-280-38483-2<br>9786613562753<br>3-540-95968-8   |
| Edizione                | [1st ed. 2009.]   |
| Descrizione fisica      | 1 online resource (XVI, 318 p. 177 illus., 20 illus. in color.)   |
| Collana                 | Lecture Notes in Physics, , 0075-8450 ; ; 776   |
| Classificazione         | UD 8220   |
| Disciplina              | 530.8   |
| Soggetti                | Physical measurements<br>Measurement<br>Amorphous substances<br>Complex fluids<br>Physical chemistry<br>Microscopy<br>Particle acceleration<br>Measurement Science and Instrumentation<br>Soft and Granular Matter, Complex Fluids and Microfluidics<br>Physical Chemistry<br>Biological Microscopy<br>Particle Acceleration and Detection, Beam Physics  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph   |
| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | Bases of Synchrotron Radiation, Light Sources, and Features of X-Ray Scattering Beamlines -- Scattering of Soft Condensed Matter: From Fundamentals to Application -- A Basic Introduction to Grazing Incidence Small-Angle X-Ray Scattering -- Fundamentals of Soft Condensed Matter Scattering and Diffraction with Microfocus Techniques -- The Use of Scattering and Spectroscopic Synchrotron Radiation Methods in Materials Science -- Synchrotron Small-Angle X-Ray Scattering Studies |

of Colloidal Suspensions -- Applications of Synchrotron X-Ray Diffraction to the Study of the Phase Behavior in Liquid Crystalline Polymers -- Structural Analysis of Biological and Technical Nanocomposites by X-Ray Scattering -- Application of Non-crystalline Diffraction with Microfocus to Carbon Fibres -- Simultaneous Calorimetric, Dielectric, and SAXS/WAXS Experiments During Polymer Crystallization -- Discovering New Features of Protein Complexes Structures by Small-Angle X-Ray Scattering -- Protein Shape and Assembly Studied with X-Ray Solution Scattering: Fundamentals and Practice -- Diagnosis Applications of Non-Crystalline Diffraction of Collagen Fibres: Breast Cancer and Skin Diseases -- X-Ray Diffraction from Live Muscle Fibres.

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Sommario/riassunto

The present set of lecture notes originates from the deeply felt need in the community to bridge the gap between beamline manuals and advanced graduate textbooks. The volume is a collection of tutorials, surveys and reviews. They cover most cases of relevance and interest where the combination of synchrotron light with various scattering and diffraction techniques is a very helpful approach to obtaining essential information about the structure of large molecular assemblies in low-ordered environments. Soft condensed matter and biomaterials, as well as complex fluids, are typical of the materials considered here. Contributions to this volume have been selected on the basis of their close relevance to advanced synchrotron radiation sources and state-of-the art beamline work.

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| 2. Record Nr.           | UNISA996581538803316  |
| Titolo                  | ... International Conference on eDemocracy & eGovernment (ICEDEG)       |
| Pubbl/distr/stampa      | [Piscataway, NJ] : , : [IEEE], , [2014]-                                |
| ISSN                    | 2573-1998   |
| Disciplina              | 352.38  |
| Soggetti                | Internet in public administration<br>Conference papers and proceedings. |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Periodico   |