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| 1. Record Nr.           | UNICAMPANIASUN0020793   |
| Autore                  | Bottazzi, Vittorio  |
| Titolo                  | Microbiologia e biotecnologia lattiero-casearia / Vittorio Bottazzi |
| Pubbl/distr/stampa      | Bologna : Edagricole, 1993  |
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| Autore                  | Maltsev V. P (Valerii Pavlovich)   |
| Titolo                  | Characterisation of bio-particles from light scattering // V.P. Maltsev and K.A. Semyanov  |
| Pubbl/distr/stampa      | Utrecht ; ; Boston : , : VSP, , 2004   |
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| Descrizione fisica      | 1 online resource (143 pages) : illustrations  |
| Collana                 | Inverse and Ill-Posed Problems Series ; ; 47   |
| Altri autori (Persone)  | SemyanovK. A   |
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| Soggetti                | Light - Scattering<br>Particles<br>Biophysics  |
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| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph  |
| Nota di bibliografia    | Includes bibliographical references (pages [127]-133).   |
| Nota di contenuto       | Front matter -- Preface -- Contents -- Introduction -- Chapter 1. Direct light-scattering problem of individual particles -- Chapter 2. Flow cytometry in measurement of light scattering of individual particles -- Chapter 3. Inverse light-scattering problem of individual particles -- Chapter 4. Applications -- Conclusion -- |

The primary aim of this monograph is to provide a systematic state-of-the-art summary of the light scattering of bioparticles, including a brief consideration of analytical and numerical methods for computing electromagnetic scattering by single particles, a detailed discussion of the instrumental approach used in measurement of light scattering, an analysis of the methods used in solution of the inverse light scattering problem, and an introduction of the results dealing with practical analysis of biosamples. Considering the widespread need for this information in optics, remote sensing, engineering, medicine, and biology, the book is useful to many graduate students, scientists, and engineers working on various aspects of electromagnetic scattering and its applications.

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