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| 1. Record Nr. | UNINA990008936610403321 |
| Titolo | Carabela : el español como actualidad |
| Pubbl/distr/stampa | Madrid, : Sociedad General Espanola de Libreria, S.A. |
| ISSN | 0213-9715 |
| Lingua di pubblicazione | Spagnolo |
| Formato | Materiale a stampa |
| Livello bibliografico | Periodico |
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| 2. Record Nr. | UNINA9910254053503321 |
| Titolo | Fluorescence Studies of Polymer Containing Systems // edited by Karel Procházka |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016 |
| ISBN | 3-319-26788-4 |
| Edizione | [1st ed. 2016.] |
| Descrizione fisica | 1 online resource (306 p.) |
| Collana | Springer Series on Fluorescence, Methods and Applications, , 1617-1306 ; ; 16 |
| Disciplina | 547.7046 |
| Soggetti | Spectrum analysis
Polymers
Chemistry, Physical and theoretical
Spectroscopy/Spectrometry
Polymer Sciences
Physical Chemistry |
| 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 at the end of each chapters and index. |
| Nota di contenuto | Conformational and dynamic behavior of polymers in solutions -- Self-assembly of amphiphilic copolymers in selective solvents -- Electrostatically driven assembly of polyelectrolytes -- Theoretical principles of fluorescence spectroscopy -- Historical perspective of |

advances in fluorescence research on polymer systems -- Fluorescence studies of self- and co-assembling polymer systems -- Pyrene-labeled water-soluble macromolecules as fluorescent mimics of associative -- Fluorescence correlation spectroscopy studies of polymer systems. .

Sommario/riassunto

This volume describes the application of fluorescence spectroscopy in polymer research. The first chapters outline the basic principles of the conformational and dynamic behavior of polymers and review the problems of polymer self-assembly. Subsequent chapters introduce the theoretical principles of advanced fluorescence methods and typical examples of their application in polymer science. The book closes with several reviews of various fluorescence applications for studying specific aspects of polymer-solution behavior. It is a useful resource for polymer scientists and experts in fluorescence spectroscopy alike, facilitating their communication and cooperation.
