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| 1. Record Nr.           | UNINA9910140767303321  |
| Titolo                  | Biocatalysis in polymer chemistry [[electronic resource] /] / edited by Katja Loos   |
| Pubbl/distr/stampa      | Weinheim, Germany, : Wiley-VCH, 2011   |
| ISBN                    | 3-527-63255-7<br>1-282-81783-3<br>9786612817830<br>3-527-63253-0<br>3-527-63254-9  |
| Edizione                | [4th ed.]  |
| Descrizione fisica      | 1 online resource (465 p.)   |
| Altri autori (Persone)  | LoosKatja  |
| Disciplina              | 668.9  |
| Soggetti                | Polymers - Biotechnology<br>Polymerization<br>Polymers<br>Enzymes  |
| 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       | Biocatalysis in Polymer Chemistry; Contents; Preface; List of Contributors; List of Abbreviations; 1: Monomers and Macromonomers from Renewable Resources; 2: Enzyme Immobilization on Layered and Nanostructured Materials; 3: Improved Immobilization Supports for Candida Antarctica Lipase B; 4: Enzymatic Polymerization of Polyester; 5: Enzyme-Catalyzed Synthesis of Polyamides and Polypeptides; 6: Enzymatic Polymerization of Vinyl Polymers; 7: Enzymatic Polymerization of Phenolic Monomers; 8: Enzymatic Synthesis of Polyaniline and Other Electrically Conductive Polymers<br>9: Enzymatic Polymerizations of Polysaccharides10: Polymerases for Biosynthesis of Storage Compounds; 11: Chiral Polymers by Lipase Catalysis; 12: Enzymes in the Synthesis of Block and Graft Copolymers; 13: Biocatalytic Polymerization in Exotic Solvents; 14: Molecular Modeling Approach to Enzymatic Polymerization; 15: Enzymatic Polymer Modification; 16: Enzymatic Polysaccharide Degradation; Index |
| Sommario/riassunto      | Searching for green and environmentally friendly polymerization  |

methods by using enzymes? This first handbook on this hot and essential topic contains the whole chain of knowledge of biocatalysis in polymer chemistry in both a comprehensive and compact form. International leading experts cover all important aspects, from enzymatic monomer synthesis to polymer modification and degradation. While the major focus of the book is on enzymatic polymerizations of the polymer classes reported so far, industrial contributions are also included, making this invaluable reading for biochemists and pol

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| 2. Record Nr.           | UNIORUON00222081  |
| Autore                  | Szabó, Magda  |
| Titolo                  | Alarcosbál / Szabó Magda ; [Reich Károly rajzaival]         |
| Pubbl/distr/stampa      | 2 kiad  |
| Descrizione fisica      | Budapest : Móra Ferenc Könyvkiadó, 1963. .- 233 p. ; 19 cm. |
| Disciplina              | 894.511   |
| Lingua di pubblicazione | Hungarian   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |