Introduction to Macromolecules 1. L. V. M. M. 2012-12-05 The reception of the original volume by students, teachers, and reviewers has been most gratifying. It appears to have both satisfied a need and served a useful educational purpose. Hence, some ten years later it has been deemed desirable to bring it up to date, if only slightly, in the spirit of the original. New polymer books have been synthesized in the last decade that have found meaningful and new uses. Examples of such applications are included in the new edition. Major advances have also been made in biology, especially in the fields of molecular biology and cell biology. In the field of chemistry, new directions have also emerged, such as polymer synthesis and polymer processing. In this new edition, many new developments have also been incorporated into the present volume. It is my hope that this new edition will still be a widespread appeal to students of all the natural sciences whatever their major interest. It should also be of value and interest to those starting industrial or academic careers who have not had an extensive background in macromolecular science.

Introduction to Macromolecular Blending 1. Charles P. W. 2011-07-08 Macromolecules are the body from macromolecular association, such as DNA/protein or protein-protein complexes, that control and regulate numerous cellular functions. Understanding how changes in the concentration and configuration of these macromolecules can trigger physiological signaling is essential for researchers developing drug therapies to treat diseases caused by these abnormalities. Introduction to Macromolecular Blending equips students in medicine, pharmacology, and biology to understand how these macromolecules may function in the body. This book presents a fundamental knowledge of cellular and physical chemistry, this compact, graduate-level text prepares students for advanced work in the field of molecular biology, biochemistry, and cell biology. Special sections in each chapter define new terms, learning objectives, questions, and additional reading, with case studies woven into the text format. Symbol, trade names, synthesis, and other related topics are very carefully explained in the appendices to supplement the text.

Carraher's Polymer Chemistry, Eighth Edition 1. Charles E. C. 2010-11-10 It is much more than a textbook. This book presents an up-to-date and comprehensive overview of the field of polymer chemistry. Many discussions on key topics are based on the author’s personal research and teaching experiences, and the material is presented in an accessible style. The text covers the major areas of polymer chemistry, including the fundamental principles of polymer science, polymer synthesis, polymer structure, polymer properties, and applications of polymers. It also includes discussions of the latest developments in polymer chemistry, such as the use of polymers in nanotechnology and biomedical applications. The book is written in a clear and concise manner, making it an excellent resource for students and researchers in the field of polymer chemistry.

Carraher’s Polymer Chemistry, Eleventh Edition 1. Charles C. 2017-11-10 It is much more than a textbook. This book presents an up-to-date and comprehensive overview of the field of polymer chemistry. Many discussions on key topics are based on the author’s personal research and teaching experiences, and the material is presented in an accessible style. The text covers the major areas of polymer chemistry, including the fundamental principles of polymer science, polymer synthesis, polymer structure, polymer properties, and applications of polymers. It also includes discussions of the latest developments in polymer chemistry, such as the use of polymers in nanotechnology and biomedical applications. The book is written in a clear and concise manner, making it an excellent resource for students and researchers in the field of polymer chemistry.

Carraher’s Polymer Chemistry, Tenth Edition 1. Charles Carraher Jr. 2017-11-10 It is much more than a textbook. This book presents an up-to-date and comprehensive overview of the field of polymer chemistry. Many discussions on key topics are based on the author’s personal research and teaching experiences, and the material is presented in an accessible style. The text covers the major areas of polymer chemistry, including the fundamental principles of polymer science, polymer synthesis, polymer structure, polymer properties, and applications of polymers. It also includes discussions of the latest developments in polymer chemistry, such as the use of polymers in nanotechnology and biomedical applications. The book is written in a clear and concise manner, making it an excellent resource for students and researchers in the field of polymer chemistry.

Polymer Chemistry, Eighth Edition 1. Geoffrey R. Mitchell 2015-02-28 It is much more than a textbook. This book presents an up-to-date and comprehensive overview of the field of polymer chemistry. Many discussions on key topics are based on the author’s personal research and teaching experiences, and the material is presented in an accessible style. The text covers the major areas of polymer chemistry, including the fundamental principles of polymer science, polymer synthesis, polymer structure, polymer properties, and applications of polymers. It also includes discussions of the latest developments in polymer chemistry, such as the use of polymers in nanotechnology and biomedical applications. The book is written in a clear and concise manner, making it an excellent resource for students and researchers in the field of polymer chemistry.

Electrospinning: Principles, Practice and Possibilities 1. Jay A. Glasel 1995-11-20 It is much more than a textbook. This book presents an up-to-date and comprehensive overview of the field of polymer chemistry. Many discussions on key topics are based on the author’s personal research and teaching experiences, and the material is presented in an accessible style. The text covers the major areas of polymer chemistry, including the fundamental principles of polymer science, polymer synthesis, polymer structure, polymer properties, and applications of polymers. It also includes discussions of the latest developments in polymer chemistry, such as the use of polymers in nanotechnology and biomedical applications. The book is written in a clear and concise manner, making it an excellent resource for students and researchers in the field of polymer chemistry.

An Introduction to Macromolecules 1. L. H. Sperling 1992-08-05 It is much more than a textbook. This book presents an up-to-date and comprehensive overview of the field of polymer chemistry. Many discussions on key topics are based on the author’s personal research and teaching experiences, and the material is presented in an accessible style. The text covers the major areas of polymer chemistry, including the fundamental principles of polymer science, polymer synthesis, polymer structure, polymer properties, and applications of polymers. It also includes discussions of the latest developments in polymer chemistry, such as the use of polymers in nanotechnology and biomedical applications. The book is written in a clear and concise manner, making it an excellent resource for students and researchers in the field of polymer chemistry.

Introduction to Biophysical Methods for Proteins and Nucleic Acid Research 1. A. G. 1985-11-20 It is much more than a textbook. This book presents an up-to-date and comprehensive overview of the field of polymer chemistry. Many discussions on key topics are based on the author’s personal research and teaching experiences, and the material is presented in an accessible style. The text covers the major areas of polymer chemistry, including the fundamental principles of polymer science, polymer synthesis, polymer structure, polymer properties, and applications of polymers. It also includes discussions of the latest developments in polymer chemistry, such as the use of polymers in nanotechnology and biomedical applications. The book is written in a clear and concise manner, making it an excellent resource for students and researchers in the field of polymer chemistry.