

Polymer Science And Technology Joel R Fried Solution

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Polymer Science and Technology - Robert O. Ebewele 2000-03-23
Your search for the perfect polymers textbook ends here - with Polymer Science and Technology. By incorporating an innovative approach and consolidating in one volume the fundamentals currently covered piecemeal in several books, this efficient text simplifies the learning of polymer science. The book is divided into three main sections: polymer fundamentals; polymer formation and conversion into useful articles; and polymer properties and applications. Polymer Science and Technology emphasizes the basic, qualitative understanding of the concepts rather than rote memorization or detailed mathematical analysis. Since the book focuses on the ultimate property of the finished product, it minimizes laborious descriptions of experimental procedures used for the characterization of polymers. Instead, the author highlights how the various stages involved in the production of the finished product influence its properties. Well-organized, clear-cut, and user-friendly, Polymer Science and Technology is an outstanding textbook for teaching junior and senior level undergraduates and first year graduate students in an introductory course covering the challenging subject of polymers.

Principles of Polymer Science - P. Bahadur 2005

"Principles of Polymer Science introduces several basic and advanced aspects of polymers for the undergraduate and graduate students in chemistry, chemical engineering and materials science. The second and thoroughly revised edition includes the technical aspects of synthesis, characterization, behaviour and technology in a straightforward and lucid manner. Separate chapters on natural, inorganic and specialty polymers would attract readers from interdisciplinary courses."--BOOK JACKET.

The Mythical Man-month - Frederick P. Brooks (Jr.) 1975

The orderly Sweet-Williams are dismayed at their son's fondness for the messy pastime of gardening.

Essentials of Polymer Science and Engineering - Paul C. Painter 2009

"Written by two of the best-known scientists in the field, Paul C. Painter and Michael M. Coleman, this unique text helps students, as well as professionals in industry, understand the science, and appreciate the history, of polymers. Composed in a witty and accessible style, the book presents a comprehensive account of polymer chemistry and related engineering concepts, highly illustrated with worked problems and hundreds of clearly explained formulas. In contrast to other books, 'Essentials' adds historical information about polymer science and scientists and shows how laboratory discoveries led to the development of modern plastics."--DEStech Publications web-site.

Materials Science of Membranes for Gas and Vapor Separation -

Benny Freeman 2006-05-12

Materials Science of Membranes for Gas and Vapor Separation is a one-stop reference for the latest advances in membrane-based separation and technology. Put together by an international team of contributors and academia, the book focuses on the advances in both theoretical and experimental materials science and engineering, as well as progress in membrane technology. Special attention is given to comparing polymer and inorganic/organic separation and other emerging applications such as sensors. This book aims to give a balanced treatment of the subject area, allowing the reader an excellent overall perspective of new theoretical results that can be applied to advanced materials, as well as the separation of polymers. The contributions will provide a compact source of relevant and timely information and will be of interest to government, industrial and academic polymer chemists, chemical engineers and materials scientists, as well as an ideal introduction to students.

[Polymeric Gas Separation Membranes](#) - D.R. Paul 2018-05-04

Polymeric Gas Separation Membranes is an outstanding reference devoted to discussing the separation of gases by membranes. An international team of contributors examines the latest findings of membrane science and practical applications and explores the complete spectrum of relevant topics from fundamentals of gas sorption and

diffusion in polymers to vapor separation from air. They also compare membrane processes with other separation technologies. This essential book will be valuable to all practitioners and students in membrane science and technology.

Introduction to Polymer Science and Technology -

Testimonios: Stories of Latinx and Hispanic Mathematicians -

Pamela E. Harris 2021-08-16

Testimonios brings together first-person narratives from the vibrant, diverse, and complex Latinx and Hispanic mathematical community. Starting with childhood and family, the authors recount their own individual stories, highlighting their upbringing, education, and career paths. Their particular stories, told in their own voices, from their own perspectives, give visibility to some of the experiences of Latinx/Hispanic mathematicians. Testimonios seeks to inspire the next generation of Latinx and Hispanic mathematicians by featuring the stories of people like them, holding a mirror up to our own community. It also aims to provide a window for mathematicians (and aspiring mathematicians) from all ethnicities, with the hope of inspiring a better understanding of the diversity of the mathematical community.

Strengthening Forensic Science in the United States - National Research Council 2009-07-29

Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Clinical Practice Guidelines For Chronic Kidney Disease - 2002

[Principles of Marketing](#) - Gary M. Armstrong 2018

An introduction to marketing concepts, strategies and practices with a balance of depth of coverage and ease of learning. Principles of Marketing keeps pace with a rapidly changing field, focussing on the ways brands create and capture consumer value. Practical content and linkage are at the heart of this edition. Real local and international examples bring ideas to life and new feature 'linking the concepts' helps students test and consolidate understanding as they go. The latest edition enhances understanding with a unique learning design including revised, integrative concept maps at the start of each chapter, end-of-chapter features summarising ideas and themes, a mix of mini and major case studies to illuminate concepts, and critical thinking exercises for applying skills.

Principles of Polymerization - George Odian 2004-02-09

The new edition of a classic text and reference The large chains of molecules known as polymers are currently used in everything from "wash and wear" clothing to rubber tires to protective enamels and

paints. Yet the practical applications of polymers are only increasing; innovations in polymer chemistry constantly bring both improved and entirely new uses for polymers onto the technological playing field. Principles of Polymerization, Fourth Edition presents the classic text on polymer synthesis, fully updated to reflect today's state of the art. New and expanded coverage in the Fourth Edition includes: * Metallocene and post-metallocene polymerization catalysts * Living polymerizations (radical, cationic, anionic) * Dendrimer, hyperbranched, brush, and other polymer architectures and assemblies * Graft and block copolymers * High-temperature polymers * Inorganic and organometallic polymers * Conducting polymers * Ring-opening polymerization * In vivo and in vitro polymerization Appropriate for both novice and advanced students as well as professionals, this comprehensive yet accessible resource enables the reader to achieve an advanced, up-to-date understanding of polymer synthesis. Different methods of polymerization, reaction parameters for synthesis, molecular weight, branching and crosslinking, and the chemical and physical structure of polymers all receive ample coverage. A thorough discussion at the elementary level prefaces each topic, with a more advanced treatment following. Yet the language throughout remains straightforward and geared towards the student. Extensively updated, Principles of Polymerization, Fourth Edition provides an excellent textbook for today's students of polymer chemistry, chemical engineering, and materials science, as well as a current reference for the researcher or other practitioner working in these areas.

[inorganic chemistry](#) -

Fundamental Principles of Polymeric Materials - Stephen L. Rosen 1993-01-29

Revised due to new developments in the polymer area. This book contains a broad, unified introduction to the subject matter that will be of immediate practical value plus a foundation for more advanced study. New features include a discussion of liquid-crystal polymers, the Flory-Huggins theory, group-transfer polymerization, a quantitative treatment of Ziegler-Natta polymerization with three new worked-out examples and much more. Also, end-of-chapter problems have been added along with practical illustrations of the material.

Software Studies - Matthew Fuller 2008

This collection of short expository, critical and speculative texts offers a field guide to the cultural, political, social and aesthetic impact of software. Experts from a range of disciplines each take a key topic in software and the understanding of software, such as algorithms and logical structures.

[Polymer Chemistry](#) - Timothy P. Lodge 2020-07-14

A well-rounded and articulate examination of polymer properties at the molecular level, Polymer Chemistry focuses on fundamental principles based on underlying chemical structures, polymer synthesis, characterization, and properties. It emphasizes the logical progression of concepts and provide mathematical tools as needed as well as fully derived problems for advanced calculations. The much-anticipated Third Edition expands and reorganizes material to better develop polymer chemistry concepts and update the remaining chapters. New examples and problems are also featured throughout. This revised edition: Integrates concepts from physics, biology, materials science, chemical engineering, and statistics as needed. Contains mathematical tools and step-by-step derivations for example problems Incorporates new theories and experiments using the latest tools and instrumentation and topics that appear prominently in current polymer science journals. The number of homework problems has been greatly increased, to over 350 in all. The worked examples and figures have been augmented. More examples of relevant synthetic chemistry have been introduced into Chapter 2 ("Step-Growth Polymers"). More details about atom-transfer radical polymerization and reversible addition/fragmentation chain-transfer polymerization have been added to Chapter 4 ("Controlled Polymerization"). Chapter 7 (renamed "Thermodynamics of Polymer Mixtures") now features a separate section on thermodynamics of polymer blends. Chapter 8 (still called "Light Scattering by Polymer Solutions") has been supplemented with an extensive introduction to small-angle neutron scattering. Polymer Chemistry, Third Edition offers a logical presentation of topics that can be scaled to meet the needs of introductory as well as more advanced courses in chemistry, materials science, polymer science, and chemical engineering.

Polyurethanes - Mark F. Sonnenschein 2020-12-29

This book, cohesively written by an expert author with supreme breadth and depth of perspective on polyurethanes, provides a comprehensive overview of all aspects of the science and technology on one of the most

commonly produced plastics. Covers the applications, manufacture, and markets for polyurethanes, and discusses analytical methods, reaction mechanisms, morphology, and synthetic routes Provides an up-to-date view of the current markets and trend analysis based on patent activity and updates chapters to include new research Includes two new chapters on PU recycling and PU hybrids, covering the opportunities and challenges in both

Rewire Your Brain - John B. Arden 2010-03-22

How to rewire your brain to improve virtually every aspect of your life-based on the latest research in neuroscience and psychology on neuroplasticity and evidence-based practices Not long ago, it was thought that the brain you were born with was the brain you would die with, and that the brain cells you had at birth were the most you would ever possess. Your brain was thought to be "hardwired" to function in predetermined ways. It turns out that's not true. Your brain is not hardwired, it's "softwired" by experience. This book shows you how you can rewire parts of the brain to feel more positive about your life, remain calm during stressful times, and improve your social relationships. Written by a leader in the field of Brain-Based Therapy, it teaches you how to activate the parts of your brain that have been underactivated and calm down those areas that have been hyperactivated so that you feel positive about your life and remain calm during stressful times. You will also learn to improve your memory, boost your mood, have better relationships, and get a good night sleep. Reveals how cutting-edge developments in neuroscience, and evidence-based practices can be used to improve your everyday life Other titles by Dr. Arden include: Brain-Based Therapy-Adult, Brain-Based Therapy-Child, Improving Your Memory For Dummies and Heal Your Anxiety Workbook Dr. Arden is a leader in integrating the new developments in neuroscience with psychotherapy and Director of Training in Mental Health for Kaiser Permanente for the Northern California Region Explaining exciting new developments in neuroscience and their applications to daily living, Rewire Your Brain will guide you through the process of changing your brain so you can change your life and be free of self-imposed limitations.

Fundamental Polymer Science - Ulf W. Gedde 2019-12-20

This successor to the popular textbook, "Polymer Physics" (Springer, 1999), is the result of a quarter-century of teaching experience as well as critical comments from specialists in the various sub-fields, resulting in better explanations and more complete coverage of key topics. With a new chapter on polymer synthesis, the perspective has been broadened significantly to encompass polymer science rather than "just" polymer physics. Polysaccharides and proteins are included in essentially all chapters, while polyelectrolytes are new to the second edition. Cheap computing power has greatly expanded the role of simulation and modeling in the past two decades, which is reflected in many of the chapters. Additional problems and carefully prepared graphics aid in understanding. Two principles are key to the textbook's appeal: 1) Students learn that, independent of the origin of the polymer, synthetic or native, the same general laws apply, and 2) students should benefit from the book without an extensive knowledge of mathematics. Taking the reader from the basics to an advanced level of understanding, the text meets the needs of a wide range of students in chemistry, physics, materials science, biotechnology, and civil engineering, and is suitable for both masters- and doctoral-level students. Praise for the previous edition: ...an excellent book, well written, authoritative, clear and concise, and copiously illustrated with appropriate line drawings, graphs and tables. - Polymer International ...an extremely useful book. It is a pleasure to recommend it to physical chemists and materials scientists, as well as physicists interested in the properties of polymeric materials. - Polymer News This valuable book is ideal for those who wish to get a brief background in polymer science as well as for those who seek a further grounding in the subject. - Colloid Polymer Science The solutions to the exercises are given in the final chapter, making it a well thought-out teaching text. - Polymer Science

Polymer Science - 2006

Analysis and Analyzers - Béla G. Lipták 2016-11-25

The Instrument and Automation Engineers' Handbook (IAEH) is the #1 process automation handbook in the world. Volume two of the Fifth Edition, Analysis and Analyzers, describes the measurement of such analytical properties as composition. Analysis and Analyzers is an invaluable resource that describes the availability, features, capabilities, and selection of analyzers used for determining the quality and compositions of liquid, gas, and solid products in many processing industries. It is the first time that a separate volume is devoted to

analyzers in the IAEH. This is because, by converting the handbook into an international one, the coverage of analyzers has almost doubled since the last edition. Analysis and Analyzers: Discusses the advantages and disadvantages of various process analyzer designs Offers application- and method-specific guidance for choosing the best analyzer Provides tables of analyzer capabilities and other practical information at a glance Contains detailed descriptions of domestic and overseas products, their features, capabilities, and suppliers, including suppliers' web addresses Complete with 82 alphabetized chapters and a thorough index for quick access to specific information, Analysis and Analyzers is a must-have reference for instrument and automation engineers working in the chemical, oil/gas, pharmaceutical, pollution, energy, plastics, paper, wastewater, food, etc. industries. About the eBook The most important new feature of the IAEH, Fifth Edition is its availability as an eBook. The eBook provides the same content as the print edition, with the addition of thousands of web addresses so that readers can reach suppliers or reference books and articles on the hundreds of topics covered in the handbook. This feature includes a complete bidders' list that allows readers to issue their specifications for competitive bids from any or all potential product suppliers.

The Death of Expertise - Tom Nichols 2017-02-01

Technology and increasing levels of education have exposed people to more information than ever before. These societal gains, however, have also helped fuel a surge in narcissistic and misguided intellectual egalitarianism that has crippled informed debates on any number of issues. Today, everyone knows everything: with only a quick trip through WebMD or Wikipedia, average citizens believe themselves to be on an equal intellectual footing with doctors and diplomats. All voices, even the most ridiculous, demand to be taken with equal seriousness, and any claim to the contrary is dismissed as undemocratic elitism. Tom Nichols' The Death of Expertise shows how this rejection of experts has occurred: the openness of the internet, the emergence of a customer satisfaction model in higher education, and the transformation of the news industry into a 24-hour entertainment machine, among other reasons.

Paradoxically, the increasingly democratic dissemination of information, rather than producing an educated public, has instead created an army of ill-informed and angry citizens who denounce intellectual achievement. When ordinary citizens believe that no one knows more than anyone else, democratic institutions themselves are in danger of falling either to populism or to technocracy or, in the worst case, a combination of both. An update to the 2017 breakout hit, the paperback edition of The Death of Expertise provides a new foreword to cover the alarming exacerbation of these trends in the aftermath of Donald Trump's election. Judging from events on the ground since it first published, The Death of Expertise issues a warning about the stability and survival of modern democracy in the Information Age that is even more important today.

Basic Principles of Membrane Technology - Marcel Mulder 2012-12-06

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Bio-based Polyols and Polyurethanes - Yebo Li 2015-08-07

This brief outlines the most recent advances in the production of polyols and polyurethanes from renewable resources, mainly vegetable oils, lignocellulosic biomass, starch, and protein. The typical processes for the production of polyols from each of the above mentioned feedstocks are introduced and the properties of the resultant polyols and polyurethanes are also discussed.

Sports and Entertainment Marketing - Ken Kaser 2007-03-29

SPORTS AND ENTERTAINMENT MARKETING. 3E incorporates feedback from instructors across the country and has expanded by three chapters. The popular sports and entertainment topics continue to be the foundation for teaching marketing concepts. Each marketing function is incorporated throughout the text and is highlighted with an icon to indicate how it is used in the marketing process. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Polymer Science and Technology (paperback) - Joel R. Fried 2003-06-30
Appropriate for upper level undergraduate and graduate level courses in Chemical Engineering, Chemistry, and Materials Science and Engineering. It is also useful as a reference for Engineers and Chemists working in the synthetic plastics and chemical process industries. This book presents a comprehensive, up-to-date review of the current state of polymer science and technology and emerging areas of growth. In addition to synthetic polymer chemistry, the book also covers the properties of polymers in solutions and in the melt, rubber, and solid states, surveying all important categories of plastics. It includes detailed coverage of both polymer processing principles and the latest polymer applications in a wide range of industries--including medicine, biotechnology, chemicals, and electronics.

Polyphosphazenes for Biomedical Applications - A. K. Andrianov 2009-07-28

Brings together, analyzes, and contextualizes the latest findings and practical applications Polyphosphazenes, an emerging class of polymers, include macromolecules, which have been proven to be biocompatible, biodegradable, and bioactive. Their unprecedented structural diversity and unique properties make them suitable as vaccine adjuvants, microencapsulating agents, biodegradable materials, scaffolds for tissue engineering, biocompatible coatings, and carriers for gene delivery. Polyphosphazenes for Biomedical Applications offers a thorough review of polyphosphazene research findings in the life sciences, chemistry, and chemical engineering. It emphasizes biomedical applications as well as recent advances in polyphosphazene development such as high-throughput discovery and the latest controlled methods of synthesis. The book brings together, analyzes, and contextualizes a wealth of knowledge that previously could only be found scattered throughout the scientific literature. Following two introductory chapters, the book reviews: Vaccine delivery and immunomodulation Biomaterials Drug delivery systems Biodetection Well-defined polyphosphazenes: synthetic aspects and novel molecular architectures All the chapters have been written by leading researchers in the field. Editor Alexander Andrianov, who has led the effort to commercialize polyphosphazenes for biomedical applications, has carefully reviewed and edited all chapters to ensure readability, accuracy, and thoroughness. Polyphosphazenes for Biomedical Applications is not only intended for researchers working in polyphosphazene chemistry, but also for all researchers seeking solutions to problems arising in the areas of biomaterials, drug delivery systems, and controlled release formulations.

Polymer Science and Technology - Joel R. Fried 2014

This text describes how plastics, rubber, and fibers are synthesized, processed into useful materials, characterized, and compounded with fillers and other additives to improve performance for specific applications. Their use in a wide variety of technologies including membrane separations, electronics, and energy production and storage is described. A new chapter in the Third Edition shows how computer correlations and simulations can be used to predict properties of new plastics and to better understand how existing plastics perform.

Then Came the Fire - Stephen J. Lofgren 2011-09

Full color illustrations throughout. Two days after the September 11, 2001 attack, the U.S. Army Center of Military History began an extensive project to document the historic event through oral history interviews. Published on the incident's tenth anniversary, Then Came the Fire is an anthology of excerpts from those interviews. This collection highlights the personal accounts of participants who witnessed some aspect of the events in the Pentagon that day: the survivors, some of whom were injured; policemen; firefighters; medical personnel; observers; others involved in the rescue and recovery efforts; and building occupants.

Textbook of Polymer Science - Fred W. Billmeyer 1984-03-21

This Third Edition of the classic, best-selling polymer science textbook surveys theory and practice of all major phases of polymer science, engineering, and technology, including polymerization, solution theory, fractionation and molecular-weight measurement, solid-state properties, structure-property relationships, and the preparation, fabrication and properties of commercially-important plastics, fibers, and elastomers.

Optical Properties of Polymers - G.H. Meeten 1986-10-31

Polymer Chemistry - David M. Teegarden 2004

This high school textbook introduces polymer science basics, properties, and uses. It starts with a broad overview of synthetic and natural polymers and then covers synthesis and preparation, processing methods, and demonstrations and experiments. The history of polymers is discussed alongside the s

Membranes - Alfredo Maciel-Cerda 2016-11-09

This book describes current advances in the research on membranes and applications in industry, groundwater, and desalination processes. Topics range from synthesis of new polymers to preparation of membranes using new water treatments for effluents, graphite membranes, development of polymeric and ceramic materials for production of membranes intended to separate gases and liquids, and liquid-liquid phases. The authors include materials used to produce catalytic membranes for polymer synthesis. The book also details theoretical approaches and simulation of membrane processes and parameters and design.

The 4-hour Chef - Timothy Ferriss 2012

Presents a practical but unusual guide to mastering food and cooking featuring recipes and cooking tricks from world-renowned chefs.

Can Fixing Dinner Fix the Planet? - Jessica Fanzo 2021-06-22

Do we have the right to eat wrongly? As the world's agricultural, environmental, and nutritional needs intersect—and often collide—how can consumers, nations, and international organizations work together to reverse the damage by changing how we make, distribute, and purchase food? Can such changes in practice and policy reverse the trajectories of the biggest global crises impacting our world: the burden of chronic diseases, the consequences of climate change, and the systemic economic and social inequities that exist within and among nations? *Can Fixing Dinner Fix the Planet?* is a clarion call for both individual consumers and those who shape our planet's food and environmental policies that: • describes the often destructive path that foods take from farms and seas through their processing, distribution, marketing, purchasing and waste management sites • explores the complex web of factors impacting our ability to simultaneously meet nutritional needs, sustain biodiversity and protect the environment • raises readers' food and environmental literacy through an engaging narrative about Fanzo's research on five continents along with the work of other inspiring global experts who are providing solutions to these crises • empowers readers to contribute to immediate and long-term changes by informing their decisions in restaurants, grocery stores, farmers markets, and kitchens

Solid State Polymerization - Constantine D. Papaspyrides 2009-04-27

The most current guide to solid state polymerization *Solid State Polymerization (SSP)* is an indispensable tool in the design, manufacture, and study of polymers, plastics, and fibers. *SSP* presents significant advantages over other polymerization techniques due to low operating temperatures, inexpensive equipment, and simple and environmentally sound procedures. Combining fundamentals of polymer science, chemistry, physical chemistry, and engineering, *SSP* also offers many research applications for a wide range of students and investigators. Gathering and filtering the latest literature on *SSP*, *Solid State Polymerization* offers a unique, one-stop resource on this important process. With chapters contributed by leaders in the field, this text summarizes *SSP*, and provides essential coverage that includes: An

introduction to *SSP*, with chemical and physical steps, apparatus, advantages, and parameters *SSP* physical chemistry and mechanisms Kinetic aspects of polyesters and polyamides *SSP* Catalysis in *SSP* processes Application of *SSP* under high pressure conditions in the laboratory Engineering aspects regarding process modeling and industrial application Recent developments and future possibilities *Solid State Polymerization* provides the most up-to-date coverage of this constantly developing field to academic and industry professionals, as well as graduate and postgraduate-level students in chemical engineering, materials science and engineering, polymer chemistry, polymer processing and polymer engineering.

Advanced Thermodynamics for Chemical Engineers - Joel R. Fried 2021-07-21

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A hands-on guide to advanced thermodynamics from a chemical engineering perspective This practical textbook provides advanced chemical engineering students with the must-have knowledge needed to apply the principles of thermodynamics to a variety of systems and problems. Written by a seasoned chemical engineering academic, the book is presented in an integrated manner and features real-world examples and problems taken from contemporary engineering. *Advanced Thermodynamics for Chemical Engineers* begins with discussions on the applications of classical thermodynamic principles to equations of state, non-ideal solutions, and complex physical and chemical equilibria. From there, you will get discussions on more progressive topics, including statistical thermodynamics and irreversible or non-equilibrium thermodynamics, and group-contribution methods. The book concludes with a chapter on the use of computational chemistry to calculate thermodynamic parameters. Contains examples of applications in different disciplines, including biology, material science, and physics Fills a gap in the market by addressing topics that are somewhat lacking or seldom found elsewhere Written by a chemical engineering educator and experienced author

CPO Focus on Physical Science - CPO Science (Firm) 2007

More Work For Mother - Ruth Schwartz Cowan 1985-03-11

In this classic work of women's history (winner of the 1984 Dexter Prize from the Society for the History of Technology), Ruth Schwartz Cowan shows how and why modern women devote as much time to housework as did their colonial sisters. In lively and provocative prose, Cowan explains how the modern conveniences—washing machines, white flour, vacuums, commercial cotton—seemed at first to offer working-class women middle-class standards of comfort. Over time, however, it became clear that these gadgets and gizmos mainly replaced work previously conducted by men, children, and servants. Instead of living lives of leisure, middle-class women found themselves struggling to keep up with ever higher standards of cleanliness.

Handbook of Zeolite Science and Technology - Scott M. Auerbach 2003-07-31

The *Handbook of Zeolite Science and Technology* offers effective analyses of salient cases selected expressly for their relevance to current and prospective research. Presenting the principal theoretical and experimental underpinnings of zeolites, this international effort is at once complete and forward-looking, combining fundamental