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Asimov's Guide to Science - Isaac Asimov 1979

Liquid Extraction - Robert E. Treybal 2018-11-10
This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.
Chemical Reaction Engineering - Octave Levenspiel 1998-09-01
Chemical reaction engineering is concerned with the exploitation of chemical reactions on a commercial scale. It's goal is the successful design and operation of chemical reactors. This text emphasizes qualitative arguments, simple design methods, graphical procedures, and frequent comparison of capabilities of the major reactor types. Simple ideas are treated first, and are then extended to the more complex.
Physics for Scientists and Engineers - Raymond A. Serway 2000
This best-selling, calculus-based text is recognized for its carefully crafted, logical presentation of the basic concepts and principles of physics. Raymond Serway, Robert Beichner, and contributing author John W. Jewett present a strong problem-solving approach that is further enhanced through increased realism in worked examples. Problem-solving strategies and hints allow students to develop a systematic approach to completing homework problems. The outstanding ancillary package includes full multimedia support, online homework, and a content-rich Web site that provides extensive support for instructors and students. The CAPA (Computer-assisted Personalized Approach), WebAssign, and University of Texas homework delivery systems give instructors flexibility in assigning online homework.
Educación química - 1991

Differential Equations and Their Applications - M. Braun 2013-06-29
For the past several years the Division of Applied Mathematics at Brown University has been teaching an extremely popular sophomore level differential equations course. The immense success of this course is due

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primarily to two fac tors. First, and foremost, the material is presented in a manner which is rigorous enough for our mathematics and ap plied mathematics majors, but yet intuitive and practical enough for our engineering, biology, economics, physics and geology majors. Secondly, numerous case histories are given of how researchers have used differential equations to solve real life problems. This book is the outgrowth of this course. It is a rigorous treatment of differential equations and their appli cations, and can be understood by anyone who has had a two semester course in Calculus. It contains all the material usually covered in a one or two semester course in differen tial equations. In addition, it possesses the following unique features which distinguish it from other textbooks on differential equations.

Libros españoles en venta - 1998

Problemas resueltos de cinética de las reacciones químicas - José Felipe Izquierdo Torres 2004

Esta publicación, con un total de 107 problemas resueltos, puede ser de utilidad como complemento del libro de texto Cinética de la Reacciones Químicas para estudiantes de Licenciaturas en Ingeniería Química y Química que cursen asignaturas que contienen la materia de Cinética de las reacciones químicas..Al inicio de cada uno de los seis capítulos se realiza un breve resumen de los fundamentos teóricos con el fin de poder ayudar al estudiante antes de comenzar la resolución de los problemas. Una vez finalizados, se adjunta la nomenclatura y la bibliografía específica de cada tema..Este libro pretende ser una contribución didáctica a la enseñanza de la Cinética de las Reacciones Químicas, una materia que no suele impartirse habitualmente en la enseñanza secundaria y que resulta fundamental junto con el estudio de la estequiometría y del equilibrio para comprender con qué velocidad, en qué medida y hasta donde puede llegar una reacción química.

Ciencia interamericana - 1965

Fisicoquimica - Gilbert W. Castellan 1998

The Science and Engineering of Materials - Donald R. Askeland 2013-11-11

The Science and Engineering of Materials, Third Edition, continues the general theme of the earlier editions in providing an understanding of the relationship between structure, processing, and properties of materials. This text is intended for use by students of engineering rather than materials, at first degree level who have completed prerequisites in chemistry, physics, and mathematics. The author assumes these stu dents will have had little or no exposure to engineering sciences such as statics, dynamics, and mechanics. The material presented here admittedly cannot and should not be covered in a one-semester course. By selecting the appropriate topics, however, the instructor can emphasise metals, provide a general overview of materials, concentrate on mechani cal behaviour, or focus on physical properties. Additionally, the text provides the student with a useful reference for accompanying courses in manufacturing, design, or materials selection. In an introductory, survey text such as this, complex and comprehensive design problems cannot be realistically introduced because materials design and selection rely on many factors that come later in the student's curriculum. To introduce the student to elements of design, however, more than 100 examples dealing with materials selection and design considerations are included in this edition.

General Chemistry - Ralph H. Petrucci 2002

Physical Chemistry - David Warren Ball 2015

Student Solutions Manual to Accompany Physical Chemistry, Fifth Edition - Ira N. Levine 2002

Will Byers: Secret Files (Stranger Things) - Matthew J. Gilbert 2019-09-24

Will Byers' top-secret binder--based on the Netflix series Stranger Things! Read notes from the Upside Down and uncover secrets from the Hawkins National Laboratory in Will Byers's personal files. Based on

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Netflix's Stranger Things, this book is designed to look like a vintage school binder from the '80s. Filled with photos, notes, sketches, and diary entries, this book is sure to amaze and entertain fans of all ages.

Chemical Engineering Design - Gavin Towler 2012-01-25

Chemical Engineering Design, Second Edition, deals with the application of chemical engineering principles to the design of chemical processes and equipment. Revised throughout, this edition has been specifically developed for the U.S. market. It provides the latest US codes and standards, including API, ASME and ISA design codes and ANSI standards. It contains new discussions of conceptual plant design, flowsheet development, and revamp design; extended coverage of capital cost estimation, process costing, and economics; and new chapters on equipment selection, reactor design, and solids handling processes. A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data, and Excel spreadsheet calculations, plus over 150 Patent References for downloading from the companion website. Extensive instructor resources, including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors. This text is designed for chemical and biochemical engineering students (senior undergraduate year, plus appropriate for capstone design courses where taken, plus graduates) and lecturers/tutors, and professionals in industry (chemical process, biochemical, pharmaceutical, petrochemical sectors). New to this edition: Revised organization into Part I: Process Design, and Part II: Plant Design. The broad themes of Part I are flowsheet development, economic analysis, safety and environmental impact and optimization. Part II contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects. New discussion of conceptual plant design, flowsheet development and revamp design Significantly increased coverage of capital cost estimation, process costing and economics New chapters on equipment selection, reactor design and solids handling processes New sections on fermentation, adsorption, membrane separations, ion exchange and chromatography Increased coverage of batch processing, food, pharmaceutical and biological processes All equipment chapters in Part II revised and updated with current information Updated throughout for latest US codes and standards, including API, ASME and ISA design codes and ANSI standards Additional worked examples and homework problems The most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data and Excel spreadsheet calculations plus over 150 Patent References, for downloading from the companion website Extensive instructor resources: 1170 lecture slides plus fully worked solutions manual available to adopting instructors

Bibliografía mexicana - 1984

Libros en venta en Hispanoamérica y España - 1993

Physical Chemistry - Peter William Atkins 1978

Contains complete worked-out solutions for all "B" exercises and half of the end-of-chapter problems.

Libros españoles en venta, ISBN - 1998

Materials Science and Engineering - William D. Callister 2020-09-11

The Craft of Sociology - Pierre Bourdieu 1991

The work of the French sociologist Pierre Bourdieu has emerged, over the last two decades, as one of the most substantial and innovative bodies of theory and research in contemporary social science. The Craft of Sociology, both a textbook and an original contribution to epistemology in social science, focuses on a basic problem of sociological research: the necessity of an epistemological break with the preconstructed objects social practice offers to the researcher. Pierre Bourdieu and his co-authors argue in the epistemological tradition of scholars like Bachelard, Canguilhem, Koyre, a tradition that identifies

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the construction of the object as being the fundamental scientific act. Their way of discussing the issue makes it accessible not only to academics and experts of epistemology, but also to advanced students of social science, using for illustration a wide range of texts from the various social sciences as well as from philosophy of science. The book includes an interview with Pierre Bourdieu and an introduction by the editor to his sociological methodology.

Unit Operations of Chemical Engineering - Warren L. 1976

Fichero bibliográfico hispanoamericano - 1991

Mathematics for Chemistry and Physics - George Turrell 2001-12-04
Chemistry and physics share a common mathematical foundation. From elementary calculus to vector analysis and group theory, Mathematics for Chemistry and Physics aims to provide a comprehensive reference for students and researchers pursuing these scientific fields. The book is based on the authors many classroom experience. Designed as a reference text, Mathematics for Chemistry and Physics will prove beneficial for students at all university levels in chemistry, physics, applied mathematics, and theoretical biology. Although this book is not computer-based, many references to current applications are included, providing the background to what goes on "behind the screen" in computer experiments.

Quantitative Chemical Analysis - Daniel C. Harris 2015-05-29
The gold standard in analytical chemistry, Dan Harris’ Quantitative Chemical Analysis provides a sound physical understanding of the principles of analytical chemistry and their applications in the disciplines.

Physical Chemistry of Metals [by] Lawrence S. Darken [and] Robert W. Gurry - Lawrence Stamper Darken 1953

The Myth of Mental Illness - Thomas S. Szasz 2011-07-12
“The landmark book that argued that psychiatry consistently expands its definition of mental illness to impose its authority over moral and cultural conflict.” — New York Times The 50th anniversary edition of the most influential critique of psychiatry every written, with a new preface on the age of Prozac and Ritalin and the rise of designer drugs, plus two bonus essays. Thomas Szasz's classic book revolutionized thinking about the nature of the psychiatric profession and the moral implications of its practices. By diagnosing unwanted behavior as mental illness, psychiatrists, Szasz argues, absolve individuals of responsibility for their actions and instead blame their alleged illness. He also critiques Freudian psychology as a pseudoscience and warns against the dangerous overreach of psychiatry into all aspects of modern life.

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Applied Mathematics for Physical Chemistry - James R. Barrante 2016-02-10
By the time chemistry students are ready to study physical chemistry, they’ve completed mathematics courses through calculus. But a strong background in mathematics doesn’t necessarily equate to knowledge of how to apply that mathematics to solving physicochemical problems. In addition, in-depth understanding of modern concepts in physical chemistry requires knowledge of mathematical concepts and techniques beyond introductory calculus, such as differential equations, Fourier series, and Fourier transforms. This results in many physical chemistry instructors spending valuable lecture time teaching mathematics rather than chemistry. Barrante presents both basic and advanced mathematical techniques in the context of how they apply to physical chemistry. Many problems at the end of each chapter test students’ mathematical knowledge. Designed and priced to accompany traditional core textbooks in physical chemistry, Applied Mathematics for Physical Chemistry provides students with the tools essential for answering questions in thermodynamics, atomic/molecular structure, spectroscopy, and statistical mechanics.

Solutions Guide to Accompany - Gilbert William Castellan 1983

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Thermodynamics - Yunus A. Çengel 2002
The 4th Edition of Cengel & Boles Thermodynamics:An Engineering Approach takes thermodynamics education to the next level through its intuitive and innovative approach. A long-time favorite among students and instructors alike because of its highly engaging, student-oriented conversational writing style, this book is now the to most widely adopted thermodynamics text in theU.S. and in the world.

Revista de la Sociedad Química de México - Sociedad Química de México 1982

Problems in Metallurgical Thermodynamics and Kinetics - G. S. Upadhyaya 2013-10-22
Problems in Metallurgical Thermodynamics and Kinetics provides an illustration of the calculations encountered in the study of metallurgical thermodynamics and kinetics, focusing on theoretical concepts and practical applications. The chapters of this book provide comprehensive account of the theories, including basic and applied numerical examples with solutions. Unsolved numerical examples drawn from a wide range of metallurgical processes are also provided at the end of each chapter. The topics discussed include the three laws of thermodynamics; Clausius-Clapeyron equation; fugacity, activity, and equilibrium constant; thermodynamics of electrochemical cells; and kinetics. This book is beneficial to undergraduate and postgraduate students in universities, polytechnics, and technical colleges.

LEV - 1999

Physical Chemistry - Keith James Laidler 1982

Bibliografia mexicana - 1983

Physical Chemistry - Ira N. Levine 2003
Provides students with an in-depth fundamental treatment of physical chemistry. At the same time, the treatment in this book is made easy to follow by giving step-by-step derivations, explanations and by avoiding advanced mathematics unfamiliar to students.

Physical Chemistry for the Chemical and Biological Sciences - Raymond Chang 2000-05-12
Hailed by advance reviewers as "a kinder, gentler P. Chem. text," this book meets the needs of an introductory course on physical chemistry, and is an ideal choice for courses geared toward pre-medical and life sciences students. Physical Chemistry for the Chemical and Biological Sciences offers a wealth of applications to biological problems, numerous worked examples and around 1000 chapter-end problems.

Heat and Thermodynamics - Mark Waldo Zemansky 1997
This respected text deals with large-scale, easily known thermal phenomena and then proceeds to small-scale, less accessible phenomena. The wide range of mathematics used in Dittman and Zemansky's text simultaneously challenges students who have completed a course in impartial differential calculus without alienating those students who have only taken a calculus-based general physics course. Examples of calculations are presented shortly after important formulas are derived. Students see the solutions of problems related to the formulas. Actual thermodynamic experiments are explained in detail. The student sees the applicability of abstract thermodynamic concepts and formulas to real situations.

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