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[Science and Civilisation in China: Volume 5, Chemistry and Chemical Technology, Part 2, Spagyric Discovery and Invention: Magisteries of Gold and Immortality](#) Jun 26 2022 For contents, see Author Catalog.

**Scientific and Technical Aerospace Reports** Jul 16 2021

**Changing Gods in Medieval China, 1127-1276** Mar 12 2021 In her study of medieval Chinese lay practices and beliefs, Valerie Hansen argues that social and economic developments underlay religious changes in the Southern Song. Unfamiliar with the contents of Buddhist and Daoist texts, the common people hired the practitioner or prayed to the god they thought could cure the ill or bring rain. As the economy rapidly developed, the gods, like the people who worshiped them, diversified: their realm of influence expanded as some gods began to deal on the national grain market and others advised their followers on business transactions. In order to trace this evolution, the author draws information from temple inscriptions, literary notes, the administrative law code, and local histories. By contrasting differing rates of religious change in the lowland and highland regions of the lower Yangzi valley, Hansen suggests that the commercial and social developments were far less uniform than previously thought. In 1100, nearly all people in South China worshiped gods who had been local residents prior to their deaths. The increasing mobility of cultivators in the lowland, rice-growing regions resulted in the adoption of gods from other places. Cults in the isolated mountain areas showed considerably less change. Originally published in 1990. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

**The Shock and Vibration Bulletin** May 26 2022

[History of Sesame \(100 CE to 2022\)](#) Aug 17 2021 The world's most comprehensive, well documented, and well illustrated book on this subject. With extensive subject and geographic index. 28 photographs and illustrations - mostly color. Free of charge in digital PDF format.

**The British National Bibliography** Jun 22 2019

[Storytelling in Multilingual Interaction](#) Aug 29 2022 Integral to the tapestry of social interaction, storytelling is the focus of interest for scholars from a diverse range of academic disciplines. This volume combines the study of conversation analysis (CA) with storytelling in multilingual contexts to examine how multilingual speakers converse and manage various aspects of storytelling and how they accomplish a wide range of actions through storytelling in classroom and everyday settings. An original, book-length endeavor devoted exclusively to storytelling in multilingual contexts, this book contributes to broadening the scope of the foundational conversation analytic literature on storytelling and to further specifying the nature of second language (L2) interactional competence. Designed for pre-service and in-service second or foreign language teachers, students of applied linguistics, as well as scholars interested in storytelling, this volume explores the cross-linguistic nature of generic interactional practices, sheds light on the nature of translanguaging and learner language, and provides insights into teacher practices on managing classroom storytelling.

**630 Questions & Answers about Chinese Herbal Medicine** Jan 28 2020 This book is a study guide and exam preparation workbook for Chinese herbal medicine. Its 630 questions cover all aspects of the theory and practice of Chinese herbal medicine including materia medica; medicinal combinations; processing of medicinals; formulas and prescriptions; additions and subtractions; case history analysis. This book is extremely useful for preparing for various school, state, or national Chinese herbal exams. However, no matter what your degree of expertise, answering the questions in this book can help you reach a higher level of Chinese herbal practice. -- Provided by publisher.

**Fundamentals of Solid-state Electronics** Feb 29 2020 This Solution Manual, a companion volume of the book, Fundamentals of Solid-State Electronics, provides the solutions to selected problems listed in the book. Most of the solutions are for the selected problems that had been assigned to the engineering undergraduate students who were taking an introductory device core course using this book. This Solution Manual also contains an extensive appendix which illustrates the application of the fundamentals to solutions of state-of-the-art transistor reliability problems which have been taught to advanced undergraduate and graduate students.

[Quantum Field Theory](#) Jul 28 2022 A new, updated and enhanced edition of the classic work, which was welcomed for its general approach and self-sustaining organization of the chapters. Written by a highly respected textbook writer and researcher, this book has a more general scope and adopts a more practical approach than other books. It includes applications of condensed matter physics, first developing traditional concepts, including Feynman graphs, before moving on to such key topics as functional integrals, statistical mechanics and Wilson's renormalization group. The author takes care to explain the connection between the latter and conventional perturbative renormalization. Due to the rapid advance and increase in importance of low dimensional systems, this second edition fills a gap in the market with its added discussions of low dimensional systems, including one-dimensional conductors. All the chapters have been revised, while more clarifying explanations and problems have been added. A FREE SOLUTIONS MANUAL is available for lecturers from [www.wiley-vch.de/textbooks](#).

[History of Miso and Its Near Relatives](#) Jan 22 2022 The world's most comprehensive, well documented and well illustrated book on this subject. With extensive subject and geographical index. 363 photographs and illustrations - many in color. Free of charge in digital PDF format.

**Semiconductor Physical Electronics** Dec 29 2019 The purpose of this book is to provide the reader with a self-contained treatment of fundamental solid state and semiconductor device physics. The material presented in the text is based upon the lecture notes of a one-year graduate course sequence taught by this author for many years in the Department of Electrical Engineering of the University of Florida. It is intended as an introductory textbook for graduate students in electrical engineering. However, many students from other disciplines and backgrounds such as chemical engineering, materials science, and physics have also taken this course sequence, and will be interested in the material presented herein. This book may also serve as a general reference for device engineers in the semiconductor industry. The present volume covers a wide variety of topics on basic solid state physics and physical principles of various semiconductor devices. The main subjects covered include crystal structures, lattice dynamics, semiconductor statistics, energy band theory, excess carrier phenomena and recombination mechanisms, carrier transport and scattering mechanisms, optical properties, photoelectric effects, metal-semiconductor devices, the p-n junction diode, bipolar junction transistor, MOS devices, photonic devices, quantum effect devices, and high speed III-V semiconductor devices. The text presents a unified and balanced treatment of the physics of semiconductor materials and devices. It is intended to provide physicists and materials scientists with more device backgrounds, and device engineers with a broader knowledge of fundamental solid state physics.

**Student Solutions Manual for Tussy and Gustafson's Basic Mathematics for College Students** Dec 09 2020 The Student Solutions Manual provides worked solutions to the odd-numbered problems in the text.

**Zeitschrift für Politikwissenschaft** Jul 24 2019

[Thermodynamics for the Practicing Engineer](#) Mar 31 2020 Enables you to easily advance from thermodynamics principles to applications Thermodynamics for the Practicing Engineer, as the title suggests, is written for all practicing engineers and anyone studying to become one. Its focus therefore is on applications of thermodynamics, addressing both technical and pragmatic problems in the field. Readers are provided a solid base in thermodynamics theory; however, the text is mostly dedicated to demonstrating how theory is applied to solve real-world problems. This text's four parts enable readers to easily gain a foundation in basic principles and then learn how to apply them in practice: Part One: Introduction. Sets forth the basic principles of thermodynamics, reviewing such topics as units and dimensions, conservation laws, gas laws, and the second law of thermodynamics. Part Two: Enthalpy Effects. Examines sensible, latent, chemical reaction, and mixing enthalpy effects. Part Three: Equilibrium Thermodynamics. Addresses both principles and calculations for phase, vapor-liquid, and chemical reaction equilibrium. Part Four: Other Topics. Reviews such important issues as economics, numerical methods, open-ended problems, environmental concerns, health and safety management, ethics, and exergy. Throughout the text, detailed illustrative examples demonstrate how all the principles, procedures, and equations are put into practice. Additional practice problems enable readers to solve real-world problems similar to the ones that they will encounter on the job. Readers will gain a solid working knowledge of thermodynamics principles and applications upon successful completion of this text. Moreover, they will be better prepared when approaching/addressing advanced material and more complex problems.

[Small Sample Size Solutions](#) Aug 24 2019 Researchers often have difficulties collecting enough data to test their hypotheses, either because target groups are small or hard to access, or because data collection entails prohibitive costs. Such obstacles may result in data sets that are too small for the complexity of the statistical model needed to answer the research question. This unique book provides guidelines and tools for implementing solutions to issues that arise in small sample research. Each chapter illustrates statistical methods that allow researchers to apply the optimal statistical model for their research question when the sample is too small. This essential book will enable social and behavioral science researchers to test their hypotheses even when the statistical model required for answering their research question is too complex for the sample sizes they can collect. The statistical models in the book range from the estimation of a population mean to models with latent variables and nested observations, and solutions include both classical and Bayesian methods. All proposed solutions are described in steps researchers can implement with their own data and are accompanied with annotated syntax in R. The methods described in this book will be useful for researchers across the social and behavioral sciences, ranging from medical sciences and epidemiology to psychology, marketing, and economics.

[Chemistry for Protection of the Environment 1987](#) Sep 05 2020 The Chemistry for Protection of the Environment series of conferences has become a most prestigious gathering of leading international scientists and engineers. Like its predecessors, this sixth conference brought together chemists and chemical engineers involved in environmental protection activities from all over the world.

[Solutions Manual for Carroll's Perspectives on Structure and Mechanism in Organic Chemistry](#) Jun 02 2020 Includes solutions to all problems.

[History of Soy Sprouts \(100 CE To 2013\)](#) Dec 21 2021

[Three Kingdoms and Chinese Culture](#) Nov 07 2020 A multi-disciplinary exploration of China's first great classical novel, Three Kingdoms, and its influence on Chinese culture.

**Re-envisioning Chinese Education** Apr 24 2022 Maintaining education as a pedagogical space for human formation, this book is distinctive in looking at the crisis rather than the success of Chinese education. The editors and contributors, mostly overseas and mainland Chinese scholars, argue that modern Chinese education has been built upon a superficial and instrumental embrace of Western modernity and a fragmented appropriation of Chinese cultural heritage. They call for a rethinking and re-envisioning of Chinese education, grounded in and enriched by various cultural traditions and cross-cultural dialogues. Drawing on Chinese history and culture, Western and Chinese philosophies, curriculum and pedagogical theories, the collected volume analyzes (1) why education as person-making has failed to take root in contemporary China, (2) how the purpose of education has changed during the process of China's modernization, and (3) what a rediscovery of the meaning of person-making implies for rethinking and re-envisioning Chinese education in the current age of globalization and social change. **Re-envisioning Chinese Education: The meaning of person-making in a new age** discusses among other issues: China's Historical Encounter with the West and Modern Chinese Education **Rediscover Lasting Values: Confucian Cultural Learning Models in the Twenty-first Century** **Rethinking and Re-envisioning Chinese Didactics: Implications from the German Didaktik Tradition** **The New Basic Education and the Development of Human Subjectivity: A Chinese Experience** This book will be relevant for scholars, researchers, and policy makers everywhere who seek a more balanced, more sophisticated, and philosophically better grounded understanding of Chinese education.

[Catalog of Copyright Entries. Third Series](#) Sep 29 2022

[Proceedings of the Institute of Industrial Engineers Asian Conference 2013](#) Oct 07 2020 This book is based on the research papers presented during The Institute of Industrial Engineers Asian Conference 2013 held at Taipei in July 2013. It presents information on the most recent and relevant research, theories and practices in industrial and systems engineering. Key topics include: Engineering and Technology Management Engineering Economy and Cost Analysis Engineering Education and Training Facilities Planning and Management Global Manufacturing and Management Human Factors Industrial & Systems Engineering Education Information Processing and Engineering Intelligent Systems Manufacturing Systems Operations Research Production Planning and Control Project Management Quality Control and Management Reliability and Maintenance Engineering Safety, Security and Risk Management Supply Chain Management Systems Modeling and Simulation Large scale complex systems **Lasers** Jul 04 2020 Developments in lasers continue to enable progress in many areas such as eye surgery, the recording industry and dozens of others. This book presents citations from the book literature for the last 25 years and groups them for ease of access which is also provided by subject, author and titles indexes.

**Books and Pamphlets, Including Serials and Contributions to Periodicals** Sep 25 2019

[Introduction to Statistical Mechanics](#) Mar 24 2022 Statistical mechanics is concerned with defining the thermodynamic properties of a macroscopic sample in terms of the properties of the microscopic systems of which it is composed. The previous book Introduction to Statistical Mechanics provided a clear, logical, and self-contained treatment of equilibrium statistical mechanics starting from Boltzmann's two statistical assumptions, and presented a wide variety of applications to diverse physical assemblies. An appendix provided an introduction to non-equilibrium statistical mechanics through the Boltzmann equation and its extensions. The coverage in that book was enhanced and extended through the inclusion of many accessible problems. The current book provides solutions to those problems. These texts assume only introductory courses in classical and quantum mechanics, as well as familiarity with multi-variable calculus and the essentials of complex analysis. Some knowledge of thermodynamics is also assumed, although the analysis starts with an appropriate review of that topic. The targeted audience is first-year graduate students and advanced undergraduates, in physics, chemistry, and the related physical sciences. The goal of these texts is to help the reader obtain a clear working knowledge of the very useful and powerful methods of equilibrium statistical mechanics and to enhance the understanding and appreciation of the more advanced texts.

**Comparative Analysis of Interim Measures – Interim Remedies (England & Wales) v Preservation Measures (China)** Nov 27 2019 Interim remedies and provisional measures are a critical component of civil/commercial litigation and arbitration. The objective of this book is to set out not just the law and practice in relation to the primary interim remedies and preservation measures available in England & Wales and China, but also to provide the comparative analysis between the two jurisdictions concerning these interim measures. The system for interim remedies in England & Wales is well-established, but preservation measures in China are a work in progress and many differences exist between the two legal systems, both in terms of theory and practice. For example, China does not recognise the general concept of interim measures, if looked at from the English law point of view, though it does have similar concepts of Property preservation, evidence preservation and behaviour preservation. China has recently adopted Chinese Civil Code 2020 and in writing this book the authors have incorporated all the relevant elements from the new Code. There is no equivalent of Practice Directions in China, and this book provides provide much needed clarity on this area, drawing together the law and guidance which is presently scattered across numerous local courts in the different provinces. This is an important book that is likely to have a significant impact on existing scholarship regarding interim remedies in England, Wales and China, and be of interest of all parties involved in cross-border litigation. Its readership will include industry professionals, academics, policy-makers and government officials.

[Advanced Heat and Mass Transfer](#) Feb 08 2021 All relevant advanced heat and mass transfer topics in heat conduction, convection, radiation, and multi-phase transport phenomena, are covered in a single textbook, and are explained from a fundamental point of view.

**History of Tofu and Tofu Products (965 CE to 1984)** Feb 20 2022 The world's most comprehensive, well documented, and well illustrated book on this subject. With extensive subject and geographic index. 640 photographs and illustrations - many color. Free of charge in digital PDF format.

[Nutritional Care of the Patient with Gastrointestinal Disease](#) Oct 26 2019 This evidence-based book serves as a clinical manual as well as a reference guide for the diagnosis and management of common nutritional issues in relation to gastrointestinal disease. Chapters cover nutrition assessment; macro- and micronutrient absorption; malabsorption; food allergies; prebiotics and dietary fiber; probiotics and intestinal microflora; nutrition and GI cancer; nutritional management of reflux; nutrition in IBS and IBD; nutrition in acute and chronic pancreatitis; enteral nutrition; parenteral nutrition; medical and endoscopic therapy of obesity; surgical therapy of obesity; pharmacologic nutrition, and nutritional counseling.

[History of Soy Sauce \(160 CE To 2012\)](#) Jun 14 2021

**Solutions Manual for Perspectives on Structure and Mechanism in Organic Chemistry** Oct 31 2022 Helps to develop new perspectives and a deeper understanding of organic chemistry Instructors and students alike have praised Perspectives on Structure and Mechanism in Organic Chemistry because it motivates readers to think about organic chemistry in new and exciting ways. Based on the author's first hand classroom experience, the text uses complementary conceptual models to give new perspectives on the structures and reactions of organic compounds. The first five chapters of the text discuss the structure and bonding of stable molecules and reactive intermediates. These are followed by a chapter exploring the methods that organic chemists use to study reaction mechanisms. The remaining chapters examine different types of acid-base, substitution, addition, elimination, pericyclic, and photochemical reactions. This Second Edition has been thoroughly updated and revised to reflect the latest findings in physical organic chemistry. Moreover, this edition features: New references to the latest primary and review literature More study questions to help readers better understand and apply new concepts in organic chemistry Coverage of new topics, including density functional theory, quantum theory of atoms in molecules, Marcus theory, molecular simulations, effect of solvent on organic reactions, asymmetric induction in nucleophilic additions to carbonyl compounds, and dynamic effects on reaction pathways The nearly 400 problems in the text do more than allow students to test their understanding of the concepts presented in each chapter. They also encourage readers to actively review and evaluate the chemical literature and to develop and defend their own ideas. With its emphasis on complementary models and independent problem-solving, this text is ideal for upper-level undergraduate and graduate courses in organic chemistry.

**Transforming Tradition** May 14 2021 Explores the history and lingering effects of governmental reform of Chinese theater, post-1949

**History of Tofu and Tofu Products (965 CE to 2013)** Oct 19 2021

Early History of Soybeans and Soyfoods Worldwide (1024 BCE to 1899) Apr 12 2021 The world's most comprehensive, well documented and well illustrated book on this subject. With extensive subject and geographical index. 463 photographs and illustrations. Free of charge in digital PDF format.

**Intuitive Probability and Random Processes using MATLAB®** Jan 10 2021 Intuitive Probability and Random Processes using MATLAB® is an introduction to probability and random processes that merges theory with practice. Based on the author's belief that only "hands-on" experience with the material can promote intuitive understanding, the approach is to motivate the need for theory using MATLAB examples, followed by theory and analysis, and finally descriptions of "real-world" examples to acquaint the reader with a wide variety of applications. The latter is intended to answer the usual question "Why do we have to study this?" Other salient features are: \*heavy reliance on computer simulation for illustration and student exercises \*the incorporation of MATLAB programs and code segments \*discussion of discrete random variables followed by continuous random variables to minimize confusion \*summary sections at the beginning of each chapter \*in-line equation explanations \*warnings on common errors and pitfalls \*over 750 problems designed to help the reader assimilate and extend the concepts Intuitive Probability and Random Processes using MATLAB® is intended for undergraduate and first-year graduate students in engineering. The practicing engineer as well as others having the appropriate mathematical background will also benefit from this book. About the Author Steven M. Kay is a Professor of Electrical Engineering at the University of Rhode Island and a leading expert in signal processing. He has received the Education Award "for outstanding contributions in education and in writing scholarly books and texts..." from the IEEE Signal Processing society and has been listed as among the 250 most cited researchers in the world in engineering.

*Environmental Impact of Aviation and Sustainable Solutions* Aug 05 2020 Environmental Impact of Aviation and Sustainable Solutions is a compilation of review and research articles in the broad field of aviation and the environment. Over three sections and thirteen chapters, this book covers topics such as aircraft design and materials, combustor modeling, atomization, airport pollution, sonic boom and street noise pollution, emission mitigation strategies, and environmentally friendly contributions from a Russian aviation pioneer. This volume is a useful reference for both researchers and students interested in learning about various aspects of aviation and the environment

**Science and Civilisation in China: Volume 5, Chemistry and Chemical Technology, Part 4, Spagyrical Discovery and Invention: Apparatus, Theories and Gifts** Sep 17 2021 The fifth volume of Dr Needham's immense undertaking, like the fourth, is subdivided into parts for ease of assimilation and presentation, each part bound and published separately. The volume as a whole covers the subjects of alchemy, early chemistry, and chemical technology (which includes military invention, especially gunpowder and rockets; paper and printing; textiles; mining and metallurgy; the salt industry; and ceramics).

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