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Why does someone write a book about Tungsten? There are several reasons and precedents for this, the most important of which is that the last book on tungsten was written more than 20 years ago, in 1977, by St. W H. Yih and Ch T. Wang. During the intervening period there have been many new scientific and technological developments and innovations, so it was not only our opinion but the view of many other members of the "tungsten family" that it was time to start writing a new book about tungsten. Preparations of the new book began in 1994. Further impetus to the project was provided by the realization that in spite of this new knowledge having been presented at seminars or published in the technical press, a general acknowledgement of it by the majority of technicians and scientists is still far from being realized. It is our hope that this book will significantly contribute to a broader acceptance of recent scientific and technological innovations. An important prerequisite for such a project is the availability of a recently retired, experienced person willing to devote his time and talents to the tedious part of the exercise.

Whether you are following a problem-based, an integrated, or a more traditional medical course, clinical biochemistry is often viewed as one of the more

challenging subjects to grasp. What you need is a single resource that not only explains the biochemical underpinnings of metabolic medicine, but also integrates laboratory findings with clinical p

A handy reference for technicians who want to understand the nature, properties and applications, of engineering ceramics. The book meets the needs of those working in the ceramics industry, as well as of technicians and engineers involved in the application of ceramic materials.

Structure-Property Relationships in Non-Linear Optical Crystals II
The IR Region
Springer

A comprehensive resource book providing professionals and students with a broad survey of structural information delineating the parallel development of crystallography and modern chemistry. Provides detailed description of crystal structures in increasing levels of complexity, from metals to organics, inorganics, organometallics, and inclusion compounds. Examples used to illustrate topics have been carefully selected to reflect the major advances of recent years and to bring the reader to the forefront of active research by including topics of current interest.

In this updated edition of the industry staple, veteran media executive Jeff Ulin relates business theory and practice across key global market segments—film, television, and

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online/digital—providing you with an insider’s perspective that can't be found anywhere else. Learn how an idea moves from concept to profit and how distribution dominates the bottom line: Hollywood stars may make the headlines, but marketing and distribution are the behind-the-scenes drivers converting content into cash. The third edition: Includes perspectives from key industry executives at studios, networks, agencies and online leaders, including Fox, Paramount, Lucasfilm, Endeavor, Tencent, MPAA, YouTube, Amazon, and many more; Explores the explosive growth of the Chinese market, including box office trends, participation in financing Hollywood feature films, and the surge in online usage; Illustrates how online streaming leaders like Netflix, Amazon, Apple, YouTube, Hulu and Facebook are changing the way TV content is distributed and consumed, and in cases how these services are moving into theatrical markets; Analyzes online influences and disruption throughout the distribution chain, and explains the risks and impact stemming from changing access points (e.g., stand-alone apps), delivery methods (over-the-top) and consumption patterns (e.g., binge watching); Breaks down historical film windows, the economic drivers behind them, and how online and digital delivery applications are changing the landscape. Ulin provides the virtual apprenticeship you need to demystify and manage the complicated media markets, understand how digital distribution has impacted the ecosystem, and glimpse into the future of how film and television content will be financed, distributed and watched. An online eResource contains further discussion on topics presented in

the book.

We provide a systematic analysis of the properties of individual returns to wealth using twelve years of population data from Norway's administrative tax records. We document a number of novel results. First, during our sample period individuals earn markedly different average returns on their financial assets (a standard deviation of 14%) and on their net worth (a standard deviation of 8%). Second, heterogeneity in returns does not arise merely from differences in the allocation of wealth between safe and risky assets: returns are heterogeneous even within asset classes. Third, returns are positively correlated with wealth: moving from the 10th to the 90th percentile of the financial wealth distribution increases the return by 3 percentage points - and by 17 percentage points when the same exercise is performed for the return to net worth. Fourth, wealth returns exhibit substantial persistence over time. We argue that while this persistence partly reflects stable differences in risk exposure and assets scale, it also reflects persistent heterogeneity in sophistication and financial information, as well as entrepreneurial talent. Finally, wealth returns are (mildly) correlated across generations. We discuss the implications of these findings for several strands of the wealth inequality debate.

Xiao-Ming Jiang, Sheng-Ping Guo, Hui-Yi Zeng, Ming-Jian Zhang, Guo-Cong Guo: Large Crystal Growth and New Crystal Exploration of Mid-Infrared Second-Order Nonlinear Optical Materials.- Kechen Wu: Simulation and Design of Infrared Second-

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Order Nonlinear Optical Materials in Metal Cluster Compounds.- Chaoyang Tu: The Recent Development Of SRS and SRS SF- conversion Laser Crystal.- Hua-Jun Zhao, Xin-Tao Wu, Li-Ming Wu: Exploration of New Second-Order Nonlinear Optical Compounds Containing Main Group Elements.

"In this book, Andy Baxevanis and Francis Ouellette . . . have undertaken the difficult task of organizing the knowledge in this field in a logical progression and presenting it in a digestible form. And they have done an excellent job. This fine text will make a major impact on biological research and, in turn, on progress in biomedicine. We are all in their debt." —Eric Lander from the Foreword Reviews from the First Edition "...provides a broad overview of the basic tools for sequence analysis ... For biologists approaching this subject for the first time, it will be a very useful handbook to keep on the shelf after the first reading, close to the computer." —Nature Structural Biology "...should be in the personal library of any biologist who uses the Internet for the analysis of DNA and protein sequence data." —Science "...a wonderful primer designed to navigate the novice through the intricacies of in scripto analysis ... The accomplished gene searcher will also find this book a useful addition to their library ... an excellent reference to the principles of bioinformatics." —Trends in Biochemical Sciences This new edition of the highly successful Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins provides a sound foundation of basic concepts, with practical discussions and comparisons of both computational tools and databases relevant to biological research.

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Equipping biologists with the modern tools necessary to solve practical problems in sequence data analysis, the Second Edition covers the broad spectrum of topics in bioinformatics, ranging from Internet concepts to predictive algorithms used on sequence, structure, and expression data. With chapters written by experts in the field, this up-to-date reference thoroughly covers vital concepts and is appropriate for both the novice and the experienced practitioner. Written in clear, simple language, the book is accessible to users without an advanced mathematical or computer science background. This new edition includes: All new end-of-chapter Web resources, bibliographies, and problem sets Accompanying Web site containing the answers to the problems, as well as links to relevant Web resources New coverage of comparative genomics, large-scale genome analysis, sequence assembly, and expressed sequence tags A glossary of commonly used terms in bioinformatics and genomics Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins, Second Edition is essential reading for researchers, instructors, and students of all levels in molecular biology and bioinformatics, as well as for investigators involved in genomics, positional cloning, clinical research, and computational biology.

In its 114th year, Billboard remains the world's premier weekly music publication and a diverse digital, events, brand, content and data licensing platform. Billboard publishes the most trusted charts and offers unrivaled reporting about the latest music, video, gaming, media, digital and mobile entertainment issues and trends.

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Specialist Periodical Reports provide systematic and detailed review coverage of progress in the major areas of chemical research. Written by experts in their specialist fields the series creates a unique service for the active research chemist, supplying regular critical in-depth accounts of progress in particular areas of chemistry. For over 80 years the Royal Society of Chemistry and its predecessor, the Chemical Society, have been publishing reports charting developments in chemistry, which originally took the form of Annual Reports. However, by 1967 the whole spectrum of chemistry could no longer be contained within one volume and the series Specialist Periodical Reports was born. The Annual Reports themselves still existed but were divided into two, and subsequently three, volumes covering Inorganic, Organic and Physical Chemistry. For more general coverage of the highlights in chemistry they remain a 'must'. Since that time the SPR series has altered according to the fluctuating degree of activity in various fields of chemistry. Some titles have remained unchanged, while others have altered their emphasis along with their titles; some have been combined under a new name whereas others have had to be discontinued. The current list of Specialist Periodical Reports can be seen on the inside flap of this volume.

This volume constitutes the proceedings of an international meeting held from June 28 to July 1, 1981, at Zif, Zentrum für Interdisziplinäre Forschung an der Universität Bielefeld, West Germany. The meeting was one of a continuing series organized through Zif on topics which transcend the boundaries of the traditional academic disciplines. The almost exponentially growing area of nitrogen fixation research fits this criterion completely. It is, however, so broad that we oriented and focused the meeting on just the chemical, biochemical, and genetic aspects to maximize the interaction among the participants and to produce a volume which

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would serve as a reference source for the involved researcher, the newly interested scientist and those with a more casual interest. The meeting was generously supported by Zif, the Westf~lisch Lippische Universit~tsgesellschaft, and the Fonds der Chemischen Industrie. We sincerely thank these organizations for their generosity and interest and for recognizing the importance of nitrogen fixation research for the future of mankind.

With the rise of "big data," there is an increasing demand to learn the skills needed to undertake sound quantitative analysis without requiring students to spend too much time on high-level math and proofs. This book provides an efficient alternative approach, with more time devoted to the practical aspects of regression analysis and how to recognize the most common pitfalls. By doing so, the book will better prepare readers for conducting, interpreting, and assessing regression analyses, while simultaneously making the material simpler and more enjoyable to learn. Logical and practical in approach, Regression Analysis teaches: (1) the tools for conducting regressions; (2) the concepts needed to design optimal regression models (based on avoiding the pitfalls); and (3) the proper interpretations of regressions. Furthermore, this book emphasizes honesty in research, with a prevalent lesson being that statistical significance is not the goal of research. This book is an ideal introduction to regression analysis for anyone learning quantitative methods in the social sciences, business, medicine, and data analytics. It will also appeal to researchers and academics looking to better understand what regressions do, what their limitations are, and what they can tell us. This will be the most engaging book on regression analysis (or Econometrics) you will ever read! A collection of author-created supplementary videos are available at:
https://www.youtube.com/channel/UCenm3BWqQyXA2JRKB_QXGyw

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The Wood Design Package 2005 contains the following publications: NDS for Wood Construction, Supplement: Design Values for Wood Construction, Special Design Provisions for Wind and Seismic (SDPWS) Standard with Commentary, ASD/LRFD Manual for Engineered Wood Construction, 2005 Edition The 2005 Edition of the National Design Specification for Wood Construction was approved as an American National Standard on January 6, 2005. The 2005 NDS was developed as a dual format specification incorporating design provisions for both allowable stress design (ASD) and load and resistance factor design (LRFD). The NDS is adopted in all model building codes in the U.S. and is used to design wood structures worldwide.

1973- includes Mineral name index for the previous year.

Thermodynamics Problem Solving in Physical Chemistry: Study Guide and Map is an innovative and unique workbook that guides physical chemistry students through the decision-making process to assess a problem situation, create appropriate solutions, and gain confidence through practice solving physical chemistry problems. The workbook includes six major sections with 20 - 30 solved problems in each section that span from easy, single objective questions to difficult, multistep analysis problems. Each section of the workbook contains key points that highlight major features of the topic to remind students of what they need to apply to solve problems in the topic area. Key Features: Includes a visual map that shows how all the “equations” used in thermodynamics are

connected and how they are derived from the three major energy laws. Acts as a guide in deriving the correct solution to a problem. Illustrates the questions students should ask themselves about the critical features of the concepts to solve problems in physical chemistry Can be used as a stand-alone product for review of Thermodynamics questions for major tests.

Spectroscopic Properties of Inorganic and Organometallic Compounds provides a unique source of information on an important area of chemistry. Divided into sections mainly according to the particular spectroscopic technique used, coverage in each volume includes: NMR (with reference to stereochemistry, dynamic systems, paramagnetic complexes, solid state NMR and Groups 13-18); nuclear quadrupole resonance spectroscopy; vibrational spectroscopy of main group and transition element compounds and coordinated ligands; and electron diffraction. Reflecting the growing volume of published work in this field, researchers will find this Specialist Periodical Report an invaluable source of information on current methods and applications. Specialist Periodical Reports provide systematic and detailed review coverage in major areas of chemical research. Compiled by teams of leading experts in their specialist fields, this series is designed to help the chemistry community keep current with the latest developments in their field. Each volume in the series is published either annually

or biennially and is a superb reference point for researchers. www.rsc.org/spr Provides an overview of the developments on the chemistry of the chalcogen group elements (S, Se and Te). Organised into two parts, this book deals systematically with the chemistry of chalcogens in relation to other group elements in the periodic table, and also includes an overview of metal-chalcogenides and metal-polychalcogenides.

This volume provides an overview of sulfur-coordinated transition metal complexes. It explores how studies of transition metal sulfur sites facilitate understanding of enzymatic and industrial catalytic systems, and it reviews recent research on synthetic analogs to nitrogenase and other transition metal sulfur enzymes relevant to industrial desulfurication. The volume examines synthesis, X-ray structures, and reactivity of transition metal sulfur complexes.

The ASD/LRFD Manual contains design information for structural lumber, glued laminated timber, structural-use panels, shear walls and diaphragms, poles and piles, I-joists, structural composite lumber, metal plate connected wood trusses, and pre-engineered metal connectors. Over 40 details are included in the chapter on connections. A comprehensive chapter on fire design includes fire rated wall and floor assemblies for solid sawn lumber, I-joists, and trusses.

The first of its kind, this modern, comprehensive text covers both analysis and design of piping

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systems. The authors begin with a review of basic hydraulic principles, with emphasis on their use in pumped pipelines, manifolds, and the analysis and design of large pipe networks. After the reader obtains an understanding of how these principles are implemented in computer solutions for steady state problems, the focus then turns to unsteady hydraulics. These are covered at three levels:

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Developed over 20 years of teaching academic courses, the Handbook of Financial Risk Management can be divided into two main parts: risk management in the financial sector; and a discussion of the mathematical and statistical tools used in risk management. This comprehensive text offers readers the chance to develop a sound understanding of financial products and the mathematical models that drive them, exploring in detail where the risks are and how to manage them. Key Features: Written by an author with both theoretical and applied experience Ideal resource for students pursuing a master's degree in finance who want to learn risk management Comprehensive coverage of the key topics in financial risk management Contains 114 exercises, with solutions provided online at www.crcpress.com/9781138501874

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