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Coal Science J.A. Pajares 1995-08-29 This volume contains papers presented at the 8th International Conference on Coal Science, held in Oviedo, Spain, September 10-15, 1995. Volume I contains papers dealing with Fundamentals and General Aspects, Combustion and Gasification and Pyrolysis and Carbonization. Volume II covers papers discussing Liquefaction and Hydrolysis and Coal and the Environment. The scope of topics covered will give the reader a state-of-the-art impression of coal characterization and depolymerization, coal-derived carbons, coal carbonization and liquefaction, and the progress towards making coal an environmentally acceptable fuel during its combustion in electricity production. The use of modern physicochemical characterization techniques has advanced knowledge of coal composition and structure enormously in the last twenty years, and it is hoped that coal will enter into the next millenium as a clean and efficient fuel.

New Perspectives on HTML 5 and CSS: Comprehensive Patrick M. Carey 2020-01-01 Develop the skills you need to compete successfully in today's high-tech workforce with Carey's NEW PERSPECTIVES ON HTML5 AND CSS3: COMPREHENSIVE, 8E. You learn fundamental design concepts as you build websites based on real case scenarios. Specially designed activities help you strengthen your abilities in logic, design, troubleshooting and creativity. The projects you complete can even become part of your professional portfolio. Within this edition, you progress from hands-on labs focused on code snippets and debugging to completing assessments and a capstone project. Short Coding Challenges throughout check your understanding of key concepts, while Debugging Challenges teach you how to fix syntax errors in an existing web page. In addition, up-to-date Case Problems provide actual practice in creating websites for today's organizations or businesses. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Quantitative Thermochronology Jean Braun 2006-05-04 Thermochronology, the study of the thermal history of rocks, enables us to quantify the nature and timing of tectonic processes. First published in 2006, Quantitative Thermochronology is a robust review of isotopic ages, and presents a range of numerical modeling techniques to allow the physical implications of isotopic age data to be explored. The authors provide analytical, semi-analytical and numerical solutions to the heat transfer equation in a range of tectonic settings and under varying boundary conditions. They then illustrate their modeling approach built around a large number of case studies. The benefits of different thermochronological techniques are also described. Computer programs on an accompanying website at www.cambridge.org/9781107407152 are introduced through the text and provide a means of solving the heat transport equation in the deforming Earth to predict the ages of rocks and compare them directly to geological and geochronological data. Several short tutorials, with hints and solutions, are also included.

5G for Future Wireless Networks Victor C. M. Leung 2019-04-25 This book constitutes the proceedings of the Second International Conference on 5G for Future Wireless Networks, 5GWN 2019, held in Changsa, China, in February 2019. The 13 full papers were selected from 34 submissions and present the state of the art and practical applications of 5G technologies. The papers are arranged thematically on optimization theory and applications, intelligent computing technology for 5G applications, resource allocation and management, and security and privacy in emerging 5G applications.

Earth-Moon Relationships Cesare Barbieri 2013-06-29 The Conference on the Earth-Moon relationships brought together a number of distinguished scientists from different fields - such as Astronomy, Celestial Mechanics, Chemistry - but also scholars of Literature and Art, to discuss these relationships, their origins, and their influence on human activities and beliefs.

Bibliography and Index of Literature on Uranium and Thorium and Radioactive Occurrences in the United States Margaret Cooper 1956

Software Security - Theories and Systems Kokichi Futatsugi 2004-11-02 Following the success of the International Symposium on Software Security 2002 (ISSS 2002), held in Keio University, Tokyo, November, 2002, ISSS 2003 was held in the Tokyo Institute of Technology, Tokyo, on November 4–6, 2003. This volume is the collection of the papers that were presented at ISSS 2003. The proceedings of ISSS 2002 was published as LNCS 2609. Although the security and reliability of software systems for networked c- puter systems are major concerns of current society, the technology for software securitystillneedstobedevelopedinmanydirections.Similar toISSS2002,ISSS 2003 aimed to provide a forum for research discussions and exchanges among world-leading scientists in the ?elds of both theoretical and systems aspects of security in software construction. The program of ISSS 2003 was a combination of invited talks and selected research contributions. It included the most recent visions and researches of the 9invitedspeakers,aswellas11contributionsofresearchesfundedbytheMEXT grant-in-aid for scienti?c research on the priority area "Implementation Scheme for Secure Computing" (AnZenKaken). We collected the original contributions after their presentation at the symposium and began a review procedure that resulted in the selection of the papers in this volume. They appear here in ?nal form. ISSS 2003 required a lot of work that was heavily dependent on members of the program committee, and sta?s and graduate students who participated in AnZenKaken. We sincerely thank them for their e?orts and time.

An Experiment in Content Alalysis David Wakefield Shepard 1953

TRAC: Trends in Analytical Chemistry P. W. J. M. Boumans 2013-09-17 Trends in Analytical Chemistry, Volume 4 focuses on the advancements of processes, technologies, operations, automation, and applications of analytical chemistry. The selection first offers information on bullet-proof input with an IBM-PC, including trends in pesticide residue analysis; environmental analysis using gas chromatography; and ion-induced spectroscopic methods for the analysis of surfaces, interfaces, and thin films. The text then elaborates on the PROLOG, an artificial intelligence language, and the consideration of FORTH as a good programming environment for laboratory automation. Discussions focus on computer aided optimization in high performance liquid chromatography; porphyrin analysis by reversed-phase high performance liquid chromatography; and liquid chromatography with on-line electron-capture detection. The text elaborates on linear regression and simple statistics calculated with the spread sheet program, SUPERLAC. Discussions focus on lipid membrane technology for chemical and biosensor development; use of chemometrics in apportionment of air pollution sources; and analytical applications of direct chromatographic enantioseparation. The publication is a dependable reference for readers interested in the trends in analytical chemistry.

Main Tectonic Events and Metalogeny of the North China Craton Mingguo Zhai 2016-07-25 This book focuses on the metallogeny and main tectonic events of the North China Craton from early Precambrian to Phanerozoic. It covers the Archean crustal growth, Paleoproterozoic rifting-subduction-collision processes, Great Oxidation Event, Meso-Neoproterozoic multiple rifting, Phanerozoic reworking of the North China Craton, as well as metallogeny related to above different processes. The North China Craton is one of the oldest cratons in the world. It has experienced a complex geological evolution since the early Precambrian, and carries important records of secular changes in tectonics and metallogeny. It provides a systematic review and new results on the growth and evolution of the North China Craton and metallogeny. It will be of broad interest to the earth scientists working in the fields of economic geology, geochemistry, and tectonics of the North China Craton and eastern Asian.

Geochronology Derek Vance 2003

TT. Clearinghouse for Federal Scientific and Technical Information (U.S.) 1969 Translations of scientific and technical monographs and articles.

Nuclear Radiation in Geophysics / Kernstrahlung in der Geophysik Hans Israel 2013-03-08 Die Radioaktivitat von Boden, Wasser und Luft ist ein klassisches Forschungs gebiet der Geophysik, aus dessen Ergebnissen diese von jeher reichen Nutzen zieht: Fragen nach der Warmebilanz des Erdinnern, nach dem Alter der Erde und dem der Gesteine haben erst von hier aus eine befriedigende Losung gefunden; H ydro logie und Balneologie verdanken der Radioaktivitat entscheidende Bereicherung; im Rahmen der Prospektion und Bodenforschung hat sie ihren Platz; in der Physik der Atmosphere bietet sie die wesentliche Grundlage zum Verstandnis der atmospharisch-elektrischen Erscheinungen; dem Meteor.

Trace Elements in Abiotic and Biotic Environments Alina Kabata-Pendias 2015-04-07 This book helps readers understand the fundamental principles and phenomena that control the transfer of trace elements. It describes the occurrence and behavior of trace elements in rocks, soil, water, air, and plants, and also discusses the anthropogenic impact to the environment. In addition, the book covers the presence of trace elements in feeds, as either contaminants or as nutritional or zootechnical additives, and their transfer across the food chain to humans. All trace elements are covered-from aluminum to zirconium-as well as rare-earth elements (actinides and lanthanides).

Geological Survey Professional Paper 1979

TID 1953

Geological Survey Professional Paper Geological Survey (U.S.) 1980

Official Gazette of the United States Patent and Trademark Office United States. Patent and Trademark Office 2000

Radioelement and Trace-element Content of the Ione Formation, Central California Harold A. Wollenberg 1973

Dictators and Autocrats Klaus Larres 2021-10-31 In order to truly understand the emergence, endurance, and legacy of autocracy, this volume of engaging essays explores how autocratic power is acquired, exercised, and transferred or abruptly ended through the careers and politics of influential figures in more than 20 countries and six regions. The book looks at both traditional "hard" dictators, such as Hitler, Stalin, and Mao, and more modern "soft" or populist autocrats, who are in the process of transforming once fully democratic countries into autocratic states, including Recep Tayyip Erdoğan in Turkey, Brazilian leader Jair Bolsonaro, Rodrigo Duterte in the Philippines, Narendra Modi in India, and Viktor Orbán in Hungary. The authors touch on a wide range of autocratic and dictatorial figures in the past and present, including present-day autocrats, such as Vladimir Putin and Xi Jinping, military leaders, and democratic leaders with authoritarian aspirations. They analyze the transition of selected autocrats from democratic or benign semi-democratic systems to harsher forms of autocracy, with either quite disastrous or more successful outcomes. An ideal reader for students and scholars, as well as the general public, interested in international affairs, leadership studies, contemporary history and politics, global studies, security studies, economics, psychology, and behavioral studies.

Infiltrating Society Puangthong Pawakapan 2021-01-11 "Thai politics is driven by actors and actions of paradox such as anti-election movements for accountability or independent, partisan organizations. This lucidly written book uncovers the 'military-led civil affairs' that earn the armed forces the omnipotent role in Thai society. It enriches our understanding of the Thai military in both empirical and theoretical ways. Empirically, the book illuminates how the soldiers have been intensively involved in supposedly civic activities ranging from forest land management to poverty reduction. Such long-lasting and extensive involvement means the military could mobilize the organized mass of over 500,000 strong when necessary. Theoretically, readers will learn how an ideological discourse ("threats to national security") has been continuously redefined to serve the military's evolving political and rent-seeking missions from the Cold War era to the twenty-first century. It also traces the persistence and mutation of this highly adaptable organization, the one that knows when to roar and when to camouflage. Still waters run deep; Thai military operations run deeper and wider."--Veerayooth Kanchoochat, Associate Professor of Political Economy, National Graduate Institute for Policy Studies (GRIPS), Tokyo "A truly monumental work about Thailand's military from the 1960s until today, this solid study focuses upon the armed forces' internal security role across Thai society, how the military has succeeded in legitimizing itself and boosting its power as a counterinsurgency force, guardian of monarchy and engine of development. The book also valuably looks at the military's establishment of mass organizations beginning during the Cold War and mobilization of royalists since 2006. The book thus illustrates how the military has been able to enhance and sustain its overwhelming influence and is thus a valuable study for anyone wanting to understand key power-brokers in Thailand."— Dr Paul Chambers, Center of ASEAN Community Studies, Naresuan University, Thailand.

Polish Journal of Soil Science 1984

U.S. Geological Survey Professional Paper 1980

Quantitative Evaluation of Systems Kaustubh Joshi 2013-07-23 This book constitutes the thoroughly refereed proceedings of the 10th International Conference on Quantitative Evaluation of Systems, QEST 2013, held in Buenos Aires, Argentina, August 27-30, 2013. The 21 revised full papers presented together with 9 tool demonstrations were carefully reviewed and selected from 52 submissions. The papers are organized in topics such as probabilistic automata and Markov automata, population models, model checking and systems, systems, control and games, timed automata and simulation.

JavaScript Bible Danny Goodman 2010-09-23 The bestselling JavaScript reference, now updated to reflect changes in technology and best practices As the most comprehensive book on the market, the JavaScript Bible is a classic bestseller that keeps you up to date on the latest changes in JavaScript, the leading technology for incorporating interactivity into Web pages. Part tutorial, part reference, this book serves as both a learning tool for building new JavaScript skills as well as a detailed reference for the more experienced JavaScript user. You'll get up-to-date coverage on the latest JavaScript practices that have been implemented since the previous edition, as well as the most updated code listings that reflect new concepts. Plus, you'll learn how to apply the latest JavaScript exception handling and custom object techniques. Coverage includes: JavaScript's Role in the World Wide Web and Beyond Developing a Scripting Strategy Selecting and Using Your Tools JavaScript Essentials Your First JavaScript Script Browser and Document Objects Scripts and HTML Documents Programming Fundamentals Window and Document Objects Forms and Form Elements Strings, Math, and Dates Scripting Frames and Multiple Windows Images and Dynamic HTML The String Object The Math, Number, and Boolean Objects The Date Object The Array Object JSON - Native JavaScript Object Notation E4X - Native XML Processing Control Structures and Exception Handling JavaScript Operators Function Objects and Custom Objects Global Functions and Statements Document Object Model Essentials Generic HTML Element Objects Window and Frame Objects Location and History Objects Document and Body Objects Link and Anchor Objects Image, Area, Map, and Canvas Objects Event Objects Practical examples of working code round out this new edition and contribute to helping you learn JavaScript quickly yet thoroughly.

Modern Methods of Geochemical Analysis Richard Wainerdi 2012-12-06 The founders of geology at the beginning of the last century were suspicious oflaboratories. Hutton's well-known dictum illustrates the point: "There are also superficial reasoning men . . . they judge of the great oper ations of the mineral kingdom from having kindled a fire, and looked into the bottom of a little crucible. " The idea was not unreasonable; the earth is so large and its changes are so slow and so complicated that labo ratory tests and experiments were of little help. The earth had to be studied in its own terms and geology grew up as a separate science and not as a branch of physics or chemistry. Its practitioners were, for the most part, experts in structure, stratigraphy, or paleontology, not in silicate

chemistry or mechanics. The chemists broke into this closed circle before the physicists did. The problems of the classification of rocks, particularly igneous rocks, and of the nature and genesis of ores are obviously chemical and, by the mid- 19th century, chemistry was in a state where rocks could be effectively analyzed, and a classification built up depending partly on chemistry and partly on the optical study of thin specimens. Gradually the chemical study of rocks became one of the central themes of earth science.

Nihon Shizen Kagaku Shūhō 1976

Excitotoxins Kjell Fuxe 2016-06-07

Preparation of Thorium-aluminum Alloys by Direct Thoria Reduction D. O. Raleigh 1960

Bibliography and Index of Literature on Uranium and Thorium and Radioactive Occurrences in the United States Margaret Cooper 1952

Trace Elements as Contaminants and Nutrients M. N. V. Prasad 2008-08-20 Access state-of-the-art research about trace element contamination and its impact on human health in Trace Elements as Contaminants and Nutrients: Consequences in Ecosystems and Human Health. In this ground-breaking guide, find exhaustive evidence of trace element contamination in the environment with topics like the functions and essentiality of trace metals, bioavailability and uptake biochemistry, membrane biochemistry and transport mechanisms, and enzymology. Find case studies that will reinforce the fundamentals of mineral nutrition in plants and animals and current information about fortified foods and nutrient deficiencies.

Geophysics for the Mineral Exploration Geoscientist

Thorium Lore Rose David 1953

Tyrosine Hydroxylase Makoto Naoi 1993-07 Tyrosine hydroxylase is the rate-limiting enzyme in the biosynthesis of catecholamines. Since the discovery of this enzyme by Dr. Toshiharu Nagatsu, the enzyme has been intensively studied in relation to both its physiological function in the brain and brain disorders. Especially the successful application of L-DOPA therapy for Parkinson's disease suggests that this enzyme should have a primary role in the progress of this disease. As a tribute to Dr. Toshiharu Nagatsu, this book presents an overview of research on this important enzyme, from molecular to clinical aspects. The book also includes the latest results on functional and clinical aspects of the enzyme. It provides an insight in how the enzymatic and biochemical study of this monooxygenase has led to the understanding of many diseases such as Parkinson's disease, stress and emotional disorders.

After the Coup Michael J Montesano 2019-01-07 After the Coup brings together the work of a group of leading Thai intellectuals of several generations to equip readers to anticipate and understand the developments that lie ahead for Thailand. Contributors offer findings and perspectives both on the disorienting period following the Thai coup of May 2014 and on fundamental challenges to the country and its institutions. Chapters address regionalism and decentralization, the monarchy and the military, the media, demography and the economy, the long-running violence in Southern Thailand, and a number of surprising social and political trends certain to shape the future of Thailand. The volume will serve as a valuable resource for all those concerned with that future. "This highly acclaimed collection of scholars' answers to basic questions about the political situation after the 2014 military coup in Thailand offers a comprehensive analysis of many crucial institutions and sensitive issues that no other work has touched. The book covers the intricate relationships among conflicting classes, political movements, the military, and, above all, the monarchy. It puts on the table many important debates about the crisis of democratization in the country, including the struggle of Malay-Muslims in Southern Thailand, the transformation of electoral violence, the dilemma of political decentralization, the changing roles of the media, and the impact of slowing economic growth and an ageing society on the future of Thailand." —Kanokrat Lertchoosakul, Chulalongkorn University, author of *The Rise of the Octobrists in Contemporary Thailand* "After the Coup should be read by anyone interested in understanding the current state of Thailand's political affairs, tracing the historical origins of the current challenges and conflicts, or looking for clues about what may be to come. This outstanding set of scholars explores how Thailand's disparate collective identities are at the root of the current political and social conflict. These collective identities carry with them different visions of what it means to be 'Thai', what democracy is and how it should function, and the sources of political legitimacy. The chapter authors describe how those behind Thailand's 'ambitious coup' have attempted to crush, co-opt, quell, and contain these competing visions." —Allen Hicken, University of Michigan, author of *Building Party Systems in Developing Democracies* "Featuring a collection of essays authored by many of the field's leading lights, expertly curated and edited by one of the most knowledgeable scholars in Thai Studies, *After the Coup* is a vital contribution to the study of contemporary Thai politics. The depth and sophistication of its analysis, and the variety of viewpoints represented, make it a must-read for anyone wishing to understand the significance of the events set in motion by the military coup staged in Thailand on 22 May 2014, one in crucial respects quite unlike the series of coups d'état that punctuate the country's modern political development." —Federico Ferrara, City University of Hong Kong, author of *The Political Development of Modern Thailand* "This book covers many of the most important current aspects of the Thai political problem, to help readers better understand why Thailand continues in its struggle to democracy. For example, it provides for a very insightful sense of an emergent middle class that has been one of the main obstacles in Thai democratic progress, both before and since the military coup d'état of 2014." —Titipol Phakdeewanich, Dean, Faculty of Political Science, Ubon Ratchathani University

Thorium 1955

Th Thorium Reiner Ditz 2013-06-29 In connection with the recent treatment of radium and the actinides, the Gmelin Institute is carrying out the description of thorium and its compounds. The Supplement Volumes A 2, A 3, A 4, and A 5 with the history, isotopes, uses, the recovery of thorium and general properties of thorium atom and

ions, the thermodynamics of its compounds and solutions, spectroscopic data and analytical chemistry, biological behavior, health protection and safety control have already been published. The Supplement Volumes C 1, C 2 and C 3 describing the compounds with the noble gases, hydrogen, oxygen compounds and nitrogen compounds are also available; also have been published Supplement Volumes C 5 and C 7 describing the compounds with sulfur, selenium, tellurium, and boron, carbonates, thiocyanates, alkoxides, and carboxylates. The Supplement Volumes D 1, D 2, and D 3 describing the properties of thorium ions in solution and the solvent extraction of thorium as well as Supplement Volume E describing the coordination compounds also have been published. The present volume begins, in a summary fashion, with a description of the natural occurrence of the element Th. Especially stressed are those facts that are most important in understanding its geological distribution on Earth (as, e.g., mode of occurrence and distribution among minerals) and its behavior in minerals (as, e.g., mode of occurrence and distribution among minerals) and its behavior in minerals (as, e.g., diadochy and metamictization of minerals). Attached is a tabulation of the highest reported Th or ThO₂ content in minerals that normally (by their crystal-chemical formula) do not contain Th. The main part of the present volume describes the minerals of Th. As can be seen from the crystal-chemical formulas, there are, in addition to a few minerals containing Th as the sole cation, a number of minerals that contain Th as an additional cation or as a diadochic element. In the case of diadochic substitution the mineral may represent a Th-rich end member of a solid-solution series and, therefore, is described as a separate Th mineral, or may only sporadically contain higher amounts of Th (no mineral description is given). The mineral descriptions, in this volume including oxides, carbonates and phosphates/siliconphosphates of Th, comprise the following topics: occurrence; chemistry; crystal form and structure; optical and other physical properties; and chemical and thermal behavior. The silicates of Th and the deposits of Th will be described in the volume "Thorium" Suppl. Vol. A 1b, that also contains a mineral index for both volumes.

Beginning JavaScript with DOM Scripting and Ajax Russ Ferguson 2013-06-25 Beginning JavaScript with DOM Scripting and Ajax is an essential resource for modern JavaScript programming. This completely updated second edition covers everything you need to know to get up-to-speed with JavaScript development and add dynamic enhancements to web pages, right from the basics. As well as focusing on client-side JavaScript, you will also learn how to work with the Browser Object Model, the Document Object Model (DOM), how to use XML and JSON as well as communicate with service side scripts such as PHP. Find out how to: Construct good JavaScript syntax following modern coding practices Use JavaScript to communicate with the server and retrieve data Dynamically manipulate markup, validate forms and deal with images Debug applications using features inside the browser JavaScript is one of the most important technologies on the web. It provides the means to add dynamic functionality to your web pages and serves as the backbone of Ajax-style web development. Beginning JavaScript with DOM Scripting and Ajax will take you from being a JavaScript novice to work freely with this important technology - begin your JavaScript journey today! What you'll learn What functions, variables, events and objects are and how to use them. How build a site that will still work in the case that JavaScript is turned off. How to access and update part of the page using code. How to use JavaScript to communicate with the server and retrieve data. How to use JavaScript to for form validation and user feedback. How to use Third-Party Libraries like jQuery. Who this book is for Beginning JavaScript with DOM Scripting and Ajax is for the person who has a good grasp of HTML and CSS but wants to add JavaScript to their skillset. If you want to learn some basic programming concepts, have experience but need help updating your skills, or you're coming from another language, Beginning JavaScript with DOM Scripting and Ajax can help. Table of Contents Getting Started with JavaScript Data and Decisions From DHTML to DOM Scripting HTML5 and JavaScript Presentation and Behavior (CSS and Event Handling) Common Uses of JavaScript: Image and Windows JavaScript and User Integration: Navigation and Forms Back-End Interaction with Ajax and Node.js Data Validation Techniques Modern JavaScript Case Study: A Dynamic Gallery Using Third-Party JavaScript Appendix A: Debugging JavaScript

Uranium-series Geochemistry Bernard Bourdon 2018-12-17 Volume 52 of Reviews in Mineralogy and Geochemistry updates our knowledge of U-series geochemistry, offer an opportunity for non-specialists to understand its basic principles, and give us a view of the future of this active field of research. In this volume, for the first time, all the methods for determining the uranium and thorium decay chain nuclides in Earth materials are discussed. It was prepared in advance of a two-day short course (April 3-4, 2003) on U-series geochemistry, jointly sponsored by GS and MSA and presented in Paris, France prior to the joint EGS/AGU/EUG meeting in Nice.

Nuclear Forensic Analysis, Second Edition Kenton J. Moody 2014-12-10 Now in its second edition, Nuclear Forensic Analysis provides a multidisciplinary reference for forensic scientists, analytical and nuclear chemists, and nuclear physicists in one convenient source. The authors focus particularly on the chemical, physical, and nuclear aspects associated with the production or interrogation of a radioactive sample. They consolidate fundamental principles of nuclear forensic analysis, all pertinent protocols and procedures, computer modeling development, interpretational insights, and attribution considerations. The principles and techniques detailed are then demonstrated and discussed in their applications to real-world investigations and casework conducted over the past several years. Highlights of the Second Edition include: A new section on sample analysis considerations and interpretation following a post-detonation nuclear forensic collection New case studies, including the most wide-ranging and multidisciplinary nuclear forensic investigation conducted by Lawrence Livermore National Laboratory to date Expanded treatments of radiologic dispersal devices (RDDs) and statistical analysis methodologies The material is presented with minimal mathematical formality, using consistent terminology with limited jargon, making it a reliable, accessible reference. The broad-based coverage provides important insight into the multifaceted changes facing this recently developed science.