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For fifty years, Hydrosilylation has been one of the most fundamental and elegant methods for the laboratory and industrial synthesis of organosilicon and silicon related compounds. Despite the intensive research and continued interest generated by organosilicon compounds, no comprehensive book incorporating its various aspects has been published this century. The aim of this book is to comprehensively review the advances of hydrosilylation processes since 1990. The survey of the literature published over the last two decades enables the authors to discuss the most recent aspects of hydrosilylation advances (catalytic and synthetic) and to elucidate the reaction mechanism for the given catalyst used and the reaction utilization. New catalytic pathways under optimum conditions necessary for efficient synthesis of organosilicon compounds are presented. This monograph shows the extensive development in the application of hydrosilylation in organic and asymmetric syntheses and in polymer and material science.

The first book by a former Indian naval intelligence officer on Sino-India relations, India's Maritime Strategy provides a unique insight into the Indian Navy, tracing its post-independence growth and discussing its transformation and future in the 21st century. In the context of the rise of China's maritime power in the Indian Ocean, this book provides a nuanced view of the extent and scope of India's maritime reach and the effect of this on Sino-Indian competition. Challenging the view that by developing a favourable environment alone, India could seek to maintain its balance of power with China, it is argued that despite durable bilateral security ties with most regional states, India's maritime aspirations to be the primary net security provider for the region are unsustainable in the long term. This book presents a comprehensive coverage of India's bilateral maritime security engagements with all the Indian Ocean regional states, as well as the US, France, UK and Russia. As such, it will be useful to students and scholars of Indian and South Asian politics, international relations and maritime security. As we know, rapid industrialization is a serious concern in the context of a healthy environment. Various physico-chemical and biological approaches for the removal of toxic pollutants are available, but unfortunately these are not very effective. Biological approaches using microorganisms (bacterial/fungi/algae), green plants or their enzymes to degrade/detoxify environmental contaminants such as endocrine disrupting chemicals, toxic metals, pesticides, dyes, petroleum hydrocarbons and phenolic compounds are eco-friendly and low cost. This book provides a much-needed, comprehensive overview of the various types of contaminants, their toxicological effects on the environment, humans, animals and plants as well as various eco-friendly approaches for their management (degradation/detoxification). As such it is a valuable resource for a wide range of students, scientists and researchers in microbiology, biotechnology, environmental sciences.

Volume 62 of Reviews in Mineralogy and Geochemistry reviews the recent research in the geochemistry and mineral physics of hydrogen in the principal mineral phases of the Earth's crust and mantle. Contents: Analytical Methods for Measuring Water in Nominally Anhydrous Minerals The Structure of Hydrous Species in Nominally Anhydrous Minerals: Information from Polarized IR Spectroscopy Structural Studies of OH in Nominally Anhydrous Minerals Using NMR Atomistic Models of OH Defects in Nominally Anhydrous Minerals Hydrogen in High Pressure Silicate and Oxide Mineral Structures Water in Nominally Anhydrous Crustal Minerals: Speciation, Concentration, and Geologic Significance Water in Natural Mantle Minerals I: Pyroxenes Water in Natural Mantle Minerals II: Olivine, Garnet and Accessory Minerals Thermodynamics of Water Solubility and Partitioning The Partitioning of Water Between Nominally Anhydrous Minerals and Silicate Melts The Stability of Hydrous Mantle Phases Hydrous Phases and Water Transport in the Subducting Slab Diffusion of Hydrogen in Minerals Effect of Water on the Equation of State of Nominally Anhydrous Minerals Remote Sensing of Hydrogen in Earth's Mantle

This is the first systematic assessment of the international 200-mile exclusive economic zone. To date, 145 states have ratified the Law of the Sea Convention, and most have established EEZs. This volume focuses on the specific nature of the EEZ and the construction and evolution of institutions stemming from its introduction, specifically examining developments at local, national and international levels.

This volume contains the Proceedings of the 5th International Conference on Intelligent Interactive Multimedia Systems and Services (KES-IIMSS-12). The Conference was jointly organised by Nagoya University in Japan and the KES International organisation, and held in the attractive city of Gifu. The KES-IIMSS conference series, (series chairs Prof. Maria Virvou and Prof. George Tsihrintzis), presents novel research in various areas of intelligent multimedia system relevant to the development of a new generation of interactive, user-centric devices and systems. The aim of the conference is to provide an internationally respected forum for scientific research in the technologies and applications of this new and dynamic research area.

The series Topics in Current Chemistry Collections presents critical reviews from the journal Topics in Current Chemistry organized in topical volumes. The scope of coverage is all areas of chemical science including the interfaces with related disciplines such as biology, medicine and materials science. The goal of each thematic volume is to give the non-specialist reader, whether in academia or industry, a comprehensive insight into an area where new research is emerging which is of interest to a larger scientific audience. Each review within the volume critically surveys one aspect of that topic and places it within the context of the volume as a whole. The most significant developments of the last 5 to 10 years are presented using selected examples to illustrate the principles discussed. The coverage is not intended to be an exhaustive summary of the field or include large quantities of data, but should rather be conceptual, concentrating on the methodological thinking that will allow the non-specialist reader to understand the information presented. Contributions also offer an outlook on potential future developments in the field.

This jargon-free resource explains the who, what, why, and where of contemporary personal finance in simple, easy-to-grasp language, covering the key people, events, terms, tools, policies, and products that make up modern money management. • Supplies accessible, comprehensive financial information that explains complex topics in simple language • Shows the relationship between personal finance and everyday life, from renting an apartment to saving for retirement • Answers a wide variety of personal finance questions • Provides a resource suitable for both personal and scholarly use

Describes the policy, criteria and procedures for maintaining fire protection systems at military installations.

The Yearbook compiles the most recent developments in experimental and clinical research and practice in one comprehensive reference book. The chapters are written by well recognized experts in the field of intensive care and emergency medicine. It is addressed to everyone involved in internal medicine, anesthesia, surgery, pediatrics, intensive care and emergency medicine.

This book introduces updated information on conservation issues, providing an overview of what is needed to advance the global conservation of freshwater decapods such as freshwater crabs, crayfish, and shrimps. Biodiversity loss in general is highest in organisms that depend on intact freshwater habitats, because freshwater ecosystems worldwide are suffering intense threats from multiple sources. Our understanding of the number and location of threatened species of decapods, and of the nature of their extinction threats has improved greatly in recent years, and has enabled the development of species conservation strategies. This volume focuses on saving threatened species from extinction, and emphasizes the importance of the successful implementation of conservation action plans through cooperation between scientists, conservationists, educators, funding agencies, policy makers, and conservation agencies.

Valuing Intellectual Capital provides readers with prescriptive strategies and practical insights for estimating the value of intellectual property (IP) and the people who create that IP within multinational companies. This book addresses the crucial topic of taxation from a rigorous and quantitative perspective, backed by experience and original research that illustrates how large

corporations need to measure the worth of their intangible assets. Each method in the text is applied through the lens of a model corporation, in order for readers to understand and quantify the operation of a real-world multinational enterprise and pinpoint how companies easily misvalue their intellectual capital when transferring IP rights to offshore tax havens. The effect contributes to the issues that can lead to budgetary crises, such as the so-called “fiscal cliff” that was partially averted by passage of the American Taxpayer Relief Act on New Year’s day 2013. This book also features a chapter containing recommendations for a fair and balanced corporate tax structure free of misvaluation and questionable mechanisms. CFOs, corporate auditors, corporate financial analysts, corporate financial planners, economists, and journalists working with issues of taxation will benefit from the concepts and background presented in the book. The material clearly indicates how a trustworthy valuation of intellectual capital allows a realistic assessment of a company’s income, earnings, and obligations. Because of the intense interest in the topic of corporate tax avoidance the material is organized to be accessible to a broad audience.

Sprouted Grains: Nutritional Value, Production and Applications is a complete and comprehensive overview of sprouted grains, with coverage from grain to product. Sections include discussions on the process of grain germination from both a genetic and physiological perspective, the nutrients and bioactive compounds present in sprouted grains, and the equipment and technical innovation of use to manufacturers of sprouted grains and sprouted grain products. This book is essential reading for cereal science academics and postgraduate students interested in the subject of cereal processing, but is also ideal for industrial product developers in cereal companies. This edited volume brings together the world’s leading researchers on sprouted grains. Presents the nutrient and bioactive components of these healthy grains Provides extensive coverage of products developed from sprouted grains Includes contributions from an International team of both academic and industrial authors Covers the equipment and technology used in grain processing

Provides a visual catalyst for the creation of packaging designs. This book demonstrates the huge variety of packaging possibilities. It includes photographed finished models. It details the principles of packaging, along with the issues and challenges faced by contemporary packaging designers.

Investment Governance for Fiduciaries CFA Institute Research Foundation

Energy Justice: US and International Perspectives is a pioneering analysis of energy law and policy through the framework of energy justice. While climate change has triggered unprecedented investment in renewable energy, the concept of energy justice and its practical application to energy law and policy remain under-theorized. This volume breaks new ground by examining a range of energy justice regulatory challenges from the perspective of international law, US law, and foreign domestic law. The book illuminates the theory of energy justice while emphasizing practical solutions that hasten the transition from fossil fuels and address the inequities that plague energy systems.

This book brings together fifteen contributions from presenters at the 25th IUPAC International Conference on Chemistry Education 2018, held in Sydney. Written by a highly diverse group of chemistry educators working within different national and institutional contexts with the common goal of improving student learning, the book presents research in multiple facets of the cutting edge of chemistry education, offering insights into the application of learning theories in chemistry combined with practical experience in implementing teaching strategies. The chapters are arranged according to the themes novel pedagogies, dynamic teaching environments, new approaches in assessment and professional skills – each of which is of substantial current interest to the science education communities. Providing an overview of contemporary practice, this book helps improve student learning outcomes. Many of the teaching strategies presented are transferable to other disciplines and are of great interest to the global community of tertiary chemistry educators as well as readers in the areas of secondary STEM education and other disciplines.

Governance is a word that is increasingly heard and read in modern times, be it corporate governance, global governance, or investment governance. Investment governance, the central concern of this modest volume, refers to the effective employment of resources—people, policies, processes, and systems—by an individual or governing body (the fiduciary or agent) seeking to fulfil their fiduciary duty to a principal (or beneficiary) in addressing an underlying investment challenge. Effective investment governance is an enabler of good stewardship, and for this reason it should, in our view, be of interest to all fiduciaries, no matter the size of the pool of assets or the nature of the beneficiaries. To emphasize the importance of effective investment governance and to demonstrate its flexibility across organization type, we consider our investment governance process within three contexts: defined contribution (DC) plans, defined benefit (DB) plans, and endowments and foundations (E&Fs). Since the financial crisis of 2007–2008, the financial sector’s place in the economy and its methods and ethics have (rightly, in many cases) been under scrutiny. Coupled with this theme, the task of investment governance is of increasing importance due to the sheer weight of money, the retirement savings gap, demographic trends, regulation and activism, and rising standards of behavior based on higher expectations from those fiduciaries serve. These trends are at the same time related and self-reinforcing. Having explored the why of investment governance, we dedicate the remainder of the book to the question of how to bring it to bear as an essential component of good fiduciary practice. At this point, the reader might expect investment professionals to launch into a discussion about an investment process focused on the best way to capture returns. We resist this temptation. Instead, we contend that achieving outcomes on behalf of beneficiaries is as much about managing risks as it is about capturing returns—and we mean “risks” broadly construed, not just fluctuations in asset values.

A serious and effective effort to meet the challenges of illicit power in the 21st century will require technology, global partnership, and an integrated, comprehensive campaign driven by international commitment and broad political will. Of the many important lessons that emerge from these essays the most important is to be skeptical of concepts that divorce conflict from its political and human nature, particularly those that promise fast, cheap victories through technology while ignoring the need to confront illicit power in war and transition.

Materials for Architects and Builders provides a clear and concise introduction to the broad range of materials used within the construction industry and covers the essential details of their manufacture, key physical properties, specification and uses. Understanding the basics of materials is a crucial part of undergraduate and diploma construction or architecture-

related courses, and this established textbook helps the reader to do just that with the help of colour photographs and clear diagrams throughout. This new edition has been completely revised and updated to include the latest developments in materials research, new images, appropriate technologies and relevant legislation. The ecological effects of building construction and lifetime use remain an important focus, and this new edition includes a wide range of energy saving building components.

This book on rheumatology in children is intended to be a handy tool for all professionals interested in this field. It is divided into five sections: General considerations, arthritic problems, connective tissue diseases, systemic vasculitides and finally a section that covers miscellaneous issues such as Immunodeficiencies, bone health and uveitis. The book has an easy format with each chapter having one or more clinical vignettes at the start of the chapter. In addition each chapter outlines the learning objectives and key take home messages. At the end of each section a collection of cases to highlight important issues in the clinic are included. The colorful charts, pictures and tables make reading this book an easy task. The authors are leading experts in their fields working at best practices centers globally to provide the reader with state-of-the-art information.

Venous disorders are extremely common in clinical practice, and recent years have seen a number of changes in the treatment of these conditions. This book covers the advances in our understanding and the management of venous disorders – both superficial and deep. It includes up-to-date reviews on the hemodynamics of venous circulation in the lower limbs, deep venous reflux, novel biomarkers in deep vein thrombosis, post thrombotic syndrome, infra-popliteal DVT, relevance of wave length in laser treatment of varicose veins, pelvic congestion syndrome, May-Thurner syndrome, nut cracker syndrome, endothermal heat-induced thrombosis, recurrent varicose veins, and venous trauma. It also discusses important topics such as one-stop vein clinics, alternatives for venous ulcer treatment, venous anatomy, therapeutic options in lymphedema, nerve damage during endovenous thermal ablation, newer oral anticoagulants, compression therapy for venous ulcer, sclerotherapy for varicose veins and thrombolysis for DVT. Written by leading experts in their field, this book is a key resource for practicing vein physicians and surgeons, and postgraduates in surgery training programs, enabling them to incorporate the latest advances into their day-to-day practice.

This book concentrates on the marine mammalian group of Odontocetes, the toothed whales, dolphins, and porpoises. In 23 chapters, a total of 40 authors describe general patterns of ethological concepts of odontocetes in their natural environments, with a strong bent towards behavioral ecology. Examples are given of particularly well-studied species and species groups for which enough data exist, especially from the past 15 years. The aim is to give a modern flavor of present knowledge of ethology and behavior of generally large-brained behaviorally flexible mammals that have evolved quite separately from social mammals on land. As well, the plight of populations and species due to humans is described in multiple chapters, with the goal that an understanding of behavior can help to solve or alleviate at least some human-made problems.

Understanding the energy it takes to build or break chemical bonds is essential for scientists and engineers in a wide range of innovative fields, including catalysis, nanomaterials, bioengineering, environmental chemistry, and space science. Reflecting the frequent additions and updates of bond dissociation energy (BDE) data throughout the literature Astronomy is a scientific discipline that has developed a rapid and impressive growth in Spain. Thirty years ago, Spain occupied a purely anecdotal presence in the international context, but today it occupies the eighth position in the world in publication of astronomical articles, and, among other successes, owns and operates ninety per cent of the world's largest optical telescope GTC (Gran Telescopio Canarias). The Eighth Scientific Meeting of the Spanish Astronomical Society (Sociedad Española de Astronomía, SEA), held in Santander in July 7–11 2008, whose proceedings are in your hands, clearly shows the enthusiasm, motivation and quality of the present Spanish astronomical community. The event brought together 322 participants, who represent almost 50% of Spanish professional astronomers. This percentage, together with the continuously increasing, with respect to previous SEA meetings, number of oral presentations and poster contributions (179 and 127 respectively), confirms that the SEA conferences have become a point of reference to assess the interests and achievements of astrophysical research in Spain. The most important and current topics of modern Astrophysics were taken into account at the preliminary meeting, as well as the number and quality of participants and their contributions, to select the invited speakers and oral contributors. We took a week to enjoy the high quality contributions submitted by Spanish astronomers to the Scientific Organizing Committee. The selection was difficult. We wish to acknowledge the gentle advice and commitment of the SOC members.

The improvement of exercise performance in sports not only involves the enhancement of physical strength, but also includes the development of psychological and cognitive functions. There is an increasing body of evidence to show that physical exercise is a powerful way to improve a number of aspects of cognition and brain function at the systemic and behavioral levels. Yet, several questions remain: What type of exercise program is optimal for improving cognitive functions? What are the real effects of certain innovative exercise protocols on the relationship between behavior and the brain? To what extent do ergogenic aids boost cognitive function? How efficient are neuromodulation techniques in relation to behavioral performance? The answers to these questions likely require multidisciplinary insights not only from physiologists and sports scientists, but also from neuroscientists and psychologists. The manuscripts published (16 research papers and one perspective article from various academic fields) in this Special Issue Book "Exercise: A Gate That Primes the Brain to Perform" bring together current knowledge and novel directions in human exercise-cognition research dealing with performance. This book showcases the various relationships between cognitive function, brain activity, and behavioral performance with applications in sports and exercise science.

This study guide aims to make European trainees in forensic psychiatry and psychology and young forensic psychiatrists and psychologists aware of the differences and commonalities in forensic psychiatry and psychology in different countries

within Europe and to enable them to learn from the approaches adopted in each country. The guide is divided into five main sections that address legal frameworks, service provision and frameworks, mandatory skills, teaching and training in forensic psychiatry and psychology, and capita selecta. In addition, recommendations are made with respect to the practice of teaching and training across European countries. It is anticipated that the guide will provide an excellent means of improving specific skills and that, by learning about the offender/patient pathways in the different jurisdictions of Europe, the reader will gain a deeper understanding of the principles that govern methods and practices in their own work with mentally disordered offenders.

This Encyclopedia is the first to compile pseudonyms from all over the world, from all ages and occupations in a single work: some 500,000 pseudonyms of roughly 270,000 people are deciphered here. Besides pseudonyms in the narrower sense, initials, nick names, order names, birth and married names etc. are included. The volumes 1 to 9 list persons by their real names in alphabetical order. To make the unequivocal identification of a person easier, year and place of birth and death are provided where available, as are profession, nationality, the pseudonym under which the person was known, and finally, the sources used. The names of professions given in the source material have been translated into English especially for this encyclopaedia. In the second part, covering the volumes 10 to 16, the pseudonyms are listed alphabetically and the real names provided. Approx. 500,000 pseudonyms of about 270,000 persons First encyclopedia including pseudonyms from all over the world, all times and all occupations Essential research tool for anyone wishing to identify persons and names for his research within one single work

This book offers a highly accessible introduction to natural language processing, the field that supports a variety of language technologies, from predictive text and email filtering to automatic summarization and translation. With it, you'll learn how to write Python programs that work with large collections of unstructured text. You'll access richly annotated datasets using a comprehensive range of linguistic data structures, and you'll understand the main algorithms for analyzing the content and structure of written communication. Packed with examples and exercises, *Natural Language Processing with Python* will help you: Extract information from unstructured text, either to guess the topic or identify "named entities" Analyze linguistic structure in text, including parsing and semantic analysis Access popular linguistic databases, including WordNet and treebanks Integrate techniques drawn from fields as diverse as linguistics and artificial intelligence This book will help you gain practical skills in natural language processing using the Python programming language and the Natural Language Toolkit (NLTK) open source library. If you're interested in developing web applications, analyzing multilingual news sources, or documenting endangered languages -- or if you're simply curious to have a programmer's perspective on how human language works -- you'll find *Natural Language Processing with Python* both fascinating and immensely useful.

Since the first attempts at structure-based drug design about four decades ago, molecular modelling techniques for drug design have developed enormously, along with the increasing computational power and structural and biological information of active compounds and potential target molecules. Nowadays, molecular modeling can be considered to be an integral component of the modern drug discovery and development toolbox. Nevertheless, there are still many methodological challenges to be overcome in the application of molecular modeling approaches to drug discovery. The eight original research and five review articles collected in this book provide a snapshot of the state-of-the-art of molecular modeling in drug design, illustrating recent advances and critically discussing important challenges. The topics covered include virtual screening and pharmacophore modelling, chemoinformatic applications of artificial intelligence and machine learning, molecular dynamics simulation and enhanced sampling to investigate contributions of molecular flexibility to drug-receptor interactions, the modeling of drug-receptor solvation, hydrogen bonding and polarization, and drug design against protein-protein interfaces and membrane protein receptors.

Why do some migrants integrate quickly, while others become long-term minorities? What is the role of the state in the settlement process? To what extent are experiences in the past different from the present? Are the recent migrants really integrating in another way than those in the past? Is Islam indeed an obstacle to integration? These are some of the burning questions, which dominate the current politicized debate on immigration in Western Europe. In this book, leading historians and social scientists analyze and compare a variety of settlement processes in past and present migration to Western Europe. Identifying general factors in the process of adaptation of new immigrants, the contributors trace social changes effected by recent European immigration, and the parallels with the great American migration of the 1880s-1920s. The history of migration to Western Europe and the way these migrants found their place in the receiving societies, is not only essential to understand the way nations deal with newcomers in the present, but also constitutes a highly interesting laboratory for different paths of integration now and then. By analyzing and comparing a wealth of settlement processes both in the past and in the present this book is both a bold interdisciplinary endeavor, and at the same time the first attempt to identify general factors underlying the way migrants adapt to their new surroundings, as well as how societies change under the influence of immigration. The chapters in the book both look at specific groups in various periods, but also analyses the structure of the state, churches unions and other important organized actors in Western European nation states. Moreover, the results are embedded in the more theoretical American literature on the comparison of old and new migrants. All chapters have an explicit comparative perspective, either by comparing different groups or different periods, whereas the general conclusion ties together the various outcomes in a systematic way, highlighting the main answers to the central questions about the various outcomes of settlement processes. --Publisher. "Draws out the key features of the evolution of taxation in Australia, with their implications for the current debate on the future direction of taxation policy." - preface.

This book provides readers with a snapshot of recent methods for non-stationary vibration analysis of machinery. It covers a broad range of advanced techniques in condition monitoring of machinery, such as mathematical models, signal processing and pattern recognition methods

and artificial intelligence methods, and their practical applications to the analysis of nonstationarities. Each chapter, accepted after a rigorous peer-review process, reports on a selected, original piece of work presented and discussed at the International Conference on Condition Monitoring of Machinery in Non-Stationary Operations, CMMNO'2016, held on September 12 – 16, 2016, in Gliwice, Poland. The contributions cover advances in both theory and practice in a variety of subfields, such as: smart materials and structures; fluid-structure interaction; structural acoustics as well as computational vibro-acoustics and numerical methods. Further topics include: engines control, noise identification, robust design, flow-induced vibration and many others. By presenting state-of-the-art in predictive maintenance solutions and discussing important industrial issues the book offers a valuable resource to both academics and professionals and is expected to facilitate communication and collaboration between the two groups.

This edited volume presents a collection of lessons learned with, and research conducted on, OpenStreetMap, the goal being to promote the project's integration. The respective chapters address a) state-of-the-art and cutting-edge approaches to data quality analysis in OpenStreetMap, b) investigations on understanding OpenStreetMap contributors and the nature of their contributions, c) identifying patterns of contributions and contributors, d) applications of OpenStreetMap in different domains, e) mining value-added knowledge and information from OpenStreetMap, f) limitations in the analysis OpenStreetMap data, and g) integrating OpenStreetMap with commercial and non-commercial datasets. The book offers an ideal opportunity to present and disseminate a number of cutting-edge developments and applications in the field of geography, spatial statistics, GIS, social science, and cartography.

Overview of diffraction methods applied to the analysis of the microstructure of materials. Since crystallite size and the presence of lattice defects have a decisive influence on the properties of many engineering materials, information about this microstructure is of vital importance in developing and assessing materials for practical applications. The most powerful and usually non-destructive evaluation techniques available are X-ray and neutron diffraction. The book details, among other things, diffraction-line broadening methods for determining crystallite size and atomic-scale strain due, e.g. to dislocations, and methods for the analysis of residual (macroscale) stress. The book assumes only a basic knowledge of solid-state physics and supplies readers sufficient information to apply the methods themselves.

This book is a printed edition of the Special Issue "Control of Communicable Diseases in Human and in Animal Populations: 70th Anniversary Year of the Birth of Professor Rick Speare (2 August 1947 – 5 June 2016)" that was published in TropicalMed

This go-to reference work surveys the current state of knowledge in the field of metal soap-related degradation phenomena in art works. It contains detailed descriptions and images of the different phenomena and addresses the practical aspects of soap formation, preventive conservation, and treatment. The occurrence of metal soaps is one of the defining issues in the conservation of painted surfaces, and one that presently leaves innumerable open questions. It is estimated that around 70% of paintings in museum collections are affected by some form of metal soap-related degradation. In recent years, significant advances have been made in the detection and characterization of these compounds through interdisciplinary approaches including conventional spectroscopy and microscopy as well as emerging synchrotron-based techniques. This book for the first time captures a panoramic overview of the state of knowledge of metal soaps related to both scientific analysis and implications for conservation and treatment. It also critically examines open questions. The book is accessible to audiences with varied backgrounds (e.g. conservators, students of conservation science) while simultaneously presenting the technical details indispensable for academics and researchers active in this field.

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