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The ASCRS Manual of Colon and Rectal Surgery David E. Beck 2009-06-12 The ASCRS Textbook of Surgery of the Colon and Rectum offers a comprehensive textbook designed to provide state of the art information to residents in training and fully trained surgeons seeking recertification. The textbook also supports the mission of the ASCRS to be the world's authority on colon and rectal disease. The combination of junior and senior authors selected from the membership of the ASCRS for each chapter will provide a comprehensive summary of each topic and allow the touch of experience to focus and temper the material. This approach should provide the reader with a very open minded, evidence based approach to all aspects of colorectal disease. Derived from the textbook, The ASCRS Manual of Surgery of the Colon and Rectum offers a "hands on" version of the textbook, written with the same comprehensive, evidence-based approach but distilled to the clinical essentials. In a handy pocket format, readers will find the bread and butter information for the broad spectrum of practice. In a consistent style, each chapter outlines the condition or procedure being discussed in a concise outline format - easy to read, appropriately illustrated and referenced.

Climate Change 2013: The Physical Science Basis Intergovernmental Panel on Climate Change 2014-03-24 The Fifth Assessment Report of the IPCC is the standard scientific reference on climate change for students, researchers and policy makers.

N. W. Ayer & Son's American Newspaper Annual and Directory 1921

Swarm Intelligence Christian Blum 2008-09-24 The book's contributing authors are among the top researchers in swarm intelligence. The book is intended to provide an overview of the subject to novices, and to offer researchers an update on interesting recent developments. Introductory chapters deal with the biological foundations, optimization, swarm robotics, and applications in new-generation telecommunication networks, while the second part contains chapters on more specific topics of swarm intelligence research.

House documents 1886

Handbook for Travellers in Northern Italy ... Fourth edition [of the work originally written by Sir Francis Palgrave], carefully revised and corrected to the present time John Murray (Firm) 1852

Pure-bred Dogs, American Kennel Gazette 1978

The Braconid and Ichneumonid Parasitoid Wasps Donald L. J. Quicke 2015-01-20 The Ichneumonoidea is a vast and important superfamily of parasitic wasps, with some 60,000 described species and estimated numbers far higher, especially for small-bodied tropical taxa. The superfamily comprises two cosmopolitan families - Braconidae and Ichneumonidae - that have largely attracted separate groups of researchers, and this, to a considerable extent, has meant that understanding of their adaptive features has often been considered in isolation. This book considers both families, highlighting similarities and differences in their adaptations. The classification of the whole of the Ichneumonoidea, along with most other insect orders, has been plagued by typology whereby undue importance has been attributed to particular characters in defining groups. Typology is a common disease of traditional taxonomy such that, until recently, quite a lot of taxa have been associated with the wrong higher clades. The sheer size of the group, and until the last 30 or so years, lack of accessible identification materials, has been a further impediment to research on all but a handful of 'lab rat' species usually cultured initially because of their potential in biological control. New evidence, largely in the form of molecular data, have shown that many morphological, behavioural, physiological and anatomical characters associated with basic life history features, specifically whether wasps are ecto- or endoparasitic, or idiobiont or koinobiont, can be grossly misleading in terms of the phylogeny they suggest. This book shows how, with better supported phylogenetic hypotheses entomologists can understand far more about the ways natural selection is acting upon them. This new book also focuses on this superfamily with which the author has great familiarity and provides a detailed coverage of each subfamily, emphasising anatomy, taxonomy and systematics, biology, as well as pointing out the importance and research potential of each group. Fossil taxa are included and it also has sections on biogeography, global species richness, culturing and rearing and preparing specimens for taxonomic study. The book highlights areas where research might be particularly rewarding and suggests systems/groups that need investigation. The author provides a large compendium of references to original research on each group. This book is an essential workmate for all postgraduates and researchers working on ichneumonoid or other parasitic wasps worldwide. It will stand as a reference book for a good number of years, and while rapid advances in various fields such as genomics and host physiological interactions will lead to new information, as an overall synthesis of the current state it will stay relevant for a long time.

The Affective Turn Patricia Ticineto Clough 2007-07-12 DIVLinking cultural studies and sociology, this collection explores the role of affect in the theorization of the social./div

Simulating Ecological and Evolutionary Systems in C Will Wilson 2000-06-22 An excellent resource for those seeking to adopt a computational approach to the analysis of complex natural biological systems.

Stem Cell Biology Daniel R. Marshak 2001 Stem cells are the focus of intense interest from a growing, multidisciplinary community of investigators with new tools for isolating and characterizing these elusive cell types. This volume, which features contributions from many of the world's leading laboratories, provides a uniquely broad and authoritative basis for understanding the biology of stem cells and the current excitement about their potential for clinical exploitation. It is an essential work of reference for investigators in embryology, hematology, and neurobiology, and their potential for clinical exploitation. It is an essential work of reference for investigators in embryology, hematology, and neurobiology, and their collaborators in the emerging field of regenerative medicine.

Handbook of Developmental Disabilities Samuel L. Odom 2009-01-21 This authoritative handbook reviews the breadth of current knowledge about developmental disabilities: neuroscientific and genetic foundations; the impact on health, learning, and behavior; and effective educational and clinical practices. Leading authorities analyze what works in intervening with diverse children and families, from infancy through the school years and the transition to adulthood. Chapters present established and emerging approaches to promoting communication and language abilities, academic skills, positive social relationships, and vocational and independent living skills. Current practices in positive behavior support are discussed, as are strategies for supporting family adaptation and resilience.

Rand, McNally & Co.'s Universal Atlas of the World ... 1900

Climate Intervention National Research Council 2015-06-17 The signals are everywhere that our planet is experiencing significant climate change. It is clear that we need to reduce the emissions of carbon dioxide and other greenhouse gases from our atmosphere if we want to avoid greatly increased risk of damage from climate change. Aggressively pursuing a program of emissions abatement or mitigation will show results over a timescale of many decades. How do we actively remove carbon dioxide from the atmosphere to make a bigger difference more quickly? As one of a two-book report, this volume of *Climate Intervention* discusses CDR, the carbon dioxide removal of greenhouse gas emissions from the atmosphere and sequestration of it in perpetuity. *Climate Intervention: Carbon Dioxide Removal and Reliable Sequestration* introduces possible CDR approaches and then discusses them in depth. Land management practices, such as low-till agriculture, reforestation and afforestation, ocean iron fertilization, and land-and-ocean-based accelerated weathering, could amplify the rates of processes that are already occurring as part of the natural carbon cycle. Other CDR approaches, such as bioenergy with carbon capture and sequestration, direct air capture and sequestration, and traditional carbon capture and sequestration, seek to capture CO₂ from the atmosphere and dispose of it by pumping it underground at high pressure. This book looks at the pros and cons of these options and estimates possible rates of removal and total amounts that might be removed via these methods. With whatever portfolio of technologies the transition is achieved, eliminating the carbon dioxide emissions from the global energy and transportation systems will pose an enormous technical, economic, and social challenge that will likely take decades of concerted effort to achieve. *Climate Intervention: Carbon Dioxide Removal and Reliable Sequestration* will help to better understand the potential cost and performance of CDR strategies to inform debate and decision making as we work to stabilize and reduce atmospheric concentrations of carbon dioxide.

Sequence Comparison in Historical Linguistics Mattis List 2014-07-21 The comparison of sound sequences (words, morphemes) constitutes the core of many techniques and methods in historical linguistics. With the help of these techniques, corresponding sounds can be determined, historically related words can be identified, and the history of languages can be uncovered. So far, the application of traditional techniques for sequence comparison is very tedious and time-consuming, since scholars have to apply them manually, without computational support. In this study, algorithms from bioinformatics are used to develop computational methods for sequence comparison in historical linguistics. The new methods automatize several steps of the traditional comparative method and can thus help to ease the painstaking work of language comparison. *Dissertations in Language and Cognition* This series explores issues of mental representation, linguistic structure and representation, and their interplay. The research presented in this series is grounded in the idea explored in the Collaborative Research Center 'The structure of representations in language, cognition and science' (SFB 991) that there is a universal format for the representation of linguistic and cognitive concepts.

The Rational Clinical Examination: Evidence-Based Clinical Diagnosis David Simel 2008-04-30 The ultimate guide to the evidence-based clinical encounter "This book is an excellent source of supported evidence that provides useful and clinically relevant information for the busy practitioner, student, resident, or educator who wants to hone skills of physical diagnosis. It provides a tool to improve patient care by using the history and physical examination items that have the most reliability and efficiency."--Annals of Internal Medicine "The evidence-based examination techniques put forth by Rational Clinical Examination is the sort that can be brought to bear on a daily basis - to save time, increase confidence in medical decisions, and help decrease unnecessary testing for conditions that do not require absolute diagnostic certainty. In the end, the whole of this book is greater than its parts and can serve as a worthy companion to a traditional manual of physical examination."--Baylor University Medical Center (BUMC)Proceedings 5 STAR DOODY'S REVIEW! "Physical diagnosis has been taught to every medical student but this evidence-based approach now shows us why, presenting one of medicine's most basic tenets in a new and challenging light. The format is extraordinary, taking previously published material and updating the pertinent evidence since the initial publication, affirming or questioning or refining the conclusions drawn from the data. "This is a book for everyone who has studied medicine and found themselves doubting what they have been taught over the years, not that they have been deluded, but that medical traditions have been unquestionably believed because there was no evidence to believe otherwise. The authors have uncovered the truth. "This extraordinary, one-of-a-kind book is a valuable addition to every medical library."--Doody's Review Service Completely updated with new literature analyses, here is a uniquely practical, clinically relevant approach to the use of evidence in the content of physical examination. Going far beyond the scope of traditional physical examination texts, this invaluable resource compiles and presents the evidence-based meanings of signs, symptoms, and results from physical examination maneuvers and other diagnostic studies. Page after page, you'll find a focus on actual clinical questions and presentations, making it an incomparably practical resource that you'll turn to again and again. Importantly, the high-yield content of *The Rational Clinical Examination* is significantly expanded and updated from the original JAMA articles, much of it published here for the first time. It all adds up to a definitive, ready-to-use clinical exam sourcebook that no student or clinician should be without. FEATURES Packed with updated, new, and previously unpublished information from the original JAMA articles Standardized template for every issue covered, including: Case Presentation; Why the Issue Is Clinically Important; Research and Statistical Methods Used to Find the Evidence Presented; The Sensitivity and Specificity of Each Key Result; Resolution of the Case Presentation; and the Clinical Bottom Line Completely updated with all-new literature searches and appraisals supplementing each chapter Full-color format with dynamic clinical illustrations and images Real-world focus on a specific clinical question in each chapter, reflecting the way clinicians approach the practice of evidence-based medicine More than 50 complete chapters on common and challenging clinical questions and patient presentations Also available: JAMAevidence.com, a new interactive database for the best practice of evidence based medicine

Recovery and Interpretation of Burned Human Remains - Scholar's Choice Edition Steven Symes 2015-02-16 This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved,

reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Progress in Advanced Computing and Intelligent Engineering Chhabi Rani Panigrahi 2020-10-29

This book features high-quality research papers presented at the 4th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2019), Department of Computer Science, Rama Devi Women's University, Bhubaneswar, Odisha, India. It includes sections describing technical advances and contemporary research in the fields of advanced computing and intelligent engineering, which are based on the presented articles. Intended for postgraduate students and researchers working in the discipline of computer science and engineering, the book also appeals to researchers in the domain of electronics as it covers hardware technologies and future communication technologies.

The Americana 1912

The Forests of the Congo Basin Carlos de Wasseige 2012 The 2010 State of the Forest report (SOF) benefited from financial support from the European Union, the United States, Germany, France and UNESCO. It represents the collaborative effort of over 100 individuals from a diversity of institutions and the forestry administrations of the Central African countries. The SOF process began with the selection and definition of indicators relevant to monitoring the state of forests in Central Africa. The indicators are structured around three thematic areas: (i) forest cover; (ii) management of production forests; and (iii) conservation and biodiversity. They are presented in a hierarchical structure at the regional, national and management unit (i.e. logging concessions and protected areas) levels. The indicators were vetted by a representative panel of stakeholders of forest management in Central Africa. The indicators are used to guide an annual data collection process carried out between April and August by national groups of four to ten individuals working within the forestry administrations. The data reported on in the 2010 SOF were primarily collected in 2009 and 2010. Results were validated in national workshops attended by government officials as well as representatives of environmental NGOs, the private sector and development projects. The data provided an important basis for the authors of the 11 chapters of the 2010 SOF, which were under the coordination of a scientific committee of international renown. A final workshop was held 29-30 March, 2011 in Douala to review a draft report. Following amendments based on comments from a wide audience of experts the final layout was completed.

Integrated Water Resources Management in a Changing World Dietrich Borchardt 2013-06-14

This volume presents a selection of the main contributions made to the international conference on Integrated Water Resources Management (IWRM) entitled 'Management of Water in a Changing World: Lessons Learnt and Innovative Perspectives' that was held from 12 to 13 October 2011 in Dresden, Germany. The book summarise the main messages issuing from the conference and contains selected papers which were presented during the conference, either as keynote lectures in plenary sessions or as submitted papers in one of the thematic sessions. The key themes of the book are: Water resources in changing environments Groundwater management Technologies and implementation Water management indicators at different scales Information and decision support systems Water governance: actors and institutions The book provides an overview on important issues concerning the conceptual framework of integrated water resources management (IWRM). All presentations and abstracts and the corresponding PowerPoint presentations as well as a video recording of the panel discussion are available at the conference website <http://www.bmbf.iwrm2011.de>. Readers are encouraged to complete their review of the conference and its messages by consulting this interesting on-line source of accompanying scientific material.

Applied Predictive Modeling Max Kuhn 2013-05-17 Applied Predictive Modeling covers the overall predictive modeling process, beginning with the crucial steps of data preprocessing, data splitting and foundations of model tuning. The text then provides intuitive explanations of numerous common and modern regression and classification techniques, always with an emphasis on illustrating and solving real data problems. The text illustrates all parts of the modeling process through many hands-on, real-life examples, and every chapter contains extensive R code for each step of the process. This multi-purpose text can be used as an introduction to predictive models and the overall modeling process, a practitioner's reference handbook, or as a text for advanced undergraduate or graduate level predictive modeling courses. To that end, each chapter contains problem sets to help solidify the covered concepts and uses data available in the book's R package. This text is intended for a broad audience as both an introduction to predictive models as well as a guide to applying them. Non-mathematical readers will appreciate the intuitive explanations of the techniques while an emphasis on problem-solving with real data across a wide variety of applications will aid practitioners who wish to extend their expertise. Readers should have knowledge of basic statistical ideas, such as correlation and linear regression analysis. While the text is biased against complex equations, a mathematical background is needed for advanced topics.

Strength and Conditioning Gavin L. Moir 2015-02-27 Written for both the undergraduate/graduate level student as well as practitioners in the field, this text incorporates all programming aspects of strength and conditioning including training methods to develop muscular strength and power, flexibility, and the development of effective warm-up regimens. Performance analysis techniques in sport are introduced while the constraints-led approach to motor skills acquisition is presented as a framework that can guide the development of practices for the strength and conditioning practitioner. The biomechanical and motor skill acquisition concepts introduced in the text are then applied to fundamental movements including jumping, landing, and sprint running. Key Features: - Provides a solid introduction to biomechanics pertinent to the study of human movements - Discusses the performance analysis techniques in sport that can be used by the strength and conditioning practitioner to determine the physiological, mechanical, and technical demands of specific sports, and also the assessment of the techniques used in the execution of sport-specific skills - Includes a critical review of the different approaches to motor skill acquisition - Incorporates clear learning objectives and worked examples in each chapter that allow readers to apply the concepts to real-life situations - Discusses the application of the most recent research pertinent to concepts in each chapter - Includes appendices to expand on some of the more complex mathematical techniques required to perform biomechanical analyses and useful resources to aid the student in locating and evaluating scientific evidence.

Lewis Base Catalysis in Organic Synthesis Edwin Vedejs 2016-08-03 This three-volume set represents the first comprehensive coverage of the rapidly expanding field of Lewis base catalysis that has attracted enormous attention in recent years. Lewis base catalysis is a conceptually novel paradigm that encompasses an extremely wide variety of preparatively useful transformations and is particularly effective for enantioselectively constructing new stereogenic centers. As electron-pair donors, Lewis bases can influence the rate and stereochemical course of myriad synthetic organic reactions. The book presents the conceptual/mechanistic principles that underlie Lewis base catalysis, and then builds upon that foundation with a thorough presentation of many different reaction types. And last but not least, the editors, Prof. Edwin Vedejs and Prof. Scott E. Denmark, are without doubt the leaders in this emerging field and have compiled high quality contributions from an impressive collection of international experts.

Machine Learning and Big Data Analytics (Proceedings of International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2021) Rajiv Misra 2021-09-29 This edited volume on machine learning and big data analytics (Proceedings of ICMLBDA 2021) is intended to be used as a reference book for researchers and practitioners in the disciplines of computer science, electronics and telecommunication, information science, and electrical engineering. Machine learning and Big data analytics represent a key ingredients in the industrial applications for new products and services. Big data analytics applies machine learning for predictions by examining large and varied data sets—i.e., big data—to uncover hidden patterns, unknown correlations, market trends, customer preferences, and other useful information that can help organizations make more informed business decisions.

The Official Railway Guide 1895

No-tillage Seeding in Conservation Agriculture C. John Baker 2007 This book is a much-expanded and updated edition of a previous volume, published in 1996 as "No-tillage Seeding: Science and Practice". The base objective remains to describe, in lay terms, a range of international experiments designed to examine the causes of successes and failures in no-tillage. The book summarizes the advantages and disadvantages of no tillage and highlights the pros and cons of a range of features and options, without promoting any particular product.

The Financial Review 1915

Molecular and Cell Biology of Cancer Rita Fior 2019-06-27 This textbook takes you on a journey to the basic concepts of cancer biology. It combines developmental, evolutionary and cell biology perspectives, to then wrap-up with an integrated clinical approach. The book starts with an introductory chapter, looking at cancer in a nut shell. The subsequent chapters are detailed and the idea of cancer as a mass of somatic cells undergoing a micro-evolutionary Darwinian process is explored. Further, the main Hanahan and Weinberg "Hallmarks of Cancer" are revisited. In most chapters, the fundamental experiments that led to key concepts, connecting basic biology and biomedicine are highlighted. In the book's closing section all of these concepts are integrated in clinical studies, where molecular diagnosis as well as the various classical and modern therapeutic strategies are addressed. The book is written in an easy-to-read language, like a one-on-one conversation between the writer and the reader, without compromising the scientific accuracy. Therefore, this book is suited not only for advanced undergraduates and master students but also for patients or curious lay people looking for a further understanding of this shattering disease

Chiral Lewis Acids in Organic Synthesis Jacek Mlynarski 2017-10-23 A complete overview covering the application of metal-based chiral Lewis acids from all parts of the periodic table, the Author emphasizes the most recent contributions to the field as well as prominent direction of development. The book discusses the design of chiral complexes as well as a wide spectrum of reactions promoted by various chiral Lewis acids, including water-compatible acids as well as the most important applications in the chemical and pharmaceutical industries. A must-have for catalytic and organic chemists working in the field, both in academia and industry, as well as pharmaceutical and medicinal chemists.

Applied Measurement Deborah L. Whetzel 2016-02-17 An updated version of Deborah Whetzel and George Wheaton's earlier volume, this text is a well-organized sourcebook for fundamental practices in industrial psychology and human resources management. Applied Measurement describes the process

of job analysis and test development with practical examples and discusses various methods for measuring job performance. Its primary purpose is to provide practical, systematic guidance on how to develop the various kinds of measurement instruments frequently used in the fields of industrial psychology and human resources management to assess personnel. With easy to follow guidance written in straightforward language, Applied Measurement contains three new chapters focusing on training and experience measures, assessment centers, and methods for defending the content validity of tests; includes contributions from many prominent researchers in the field, all of whom have had a great deal of applied experience; begins each chapter with an overview describing the job analysis or measurement method; and uses one job, that of an electrician, as an example throughout the book so that readers can easily understand how to apply job analysis data for the purposes of test development and job performance measurement. This practical, concise book is recommended for students and entry-level practitioners in the fields of industrial psychology and human resources.

Cronologia universale, che facilita lo studio di qualumque storia, e particolarmente serve di prodromo alli XXXXV. volumi della Biblioteca, etc. [With engravings.] Vincenzo CORONELLI 1707

The Digital Dialectic Peter Lunenfeld 2000 The Digital Dialectic is an interdisciplinary jam session about our visual and intellectual cultures as the computer recodes technologies, media, and art forms. Unlike purely academic texts on new media, the book includes contributions by scholars, artists, and entrepreneurs, who combine theoretical investigations with hands-on analysis of the possibilities (and limitations) of new technology. The key concept is the digital dialectic: a method to ground the insights of theory in the constraints of practice. The essays move beyond journalistic reportage and hype into serious but accessible discussion of new technologies, new media, and new cultural forms.

Social Control and Justice Maria João Guia 2013-01-01 This book offers a fresh, multi-disciplinary, and international examination of a phenomenon that has altered the landscape of migration in the United States and is now taking root in Canada and throughout Europe: 'crimmigration law.' Crimmigration law consists of the letter and practice of laws and policies at the intersection of criminal law and immigration law. Crimmigration scholars study the creation of laws and policies, their enforcement, as well as the institutional dynamics that create crimmigration law and are created by it. Many have written about the use of crimmigration law to exert social control over groups marginalized by ethnic bias, class, or citizenship status. This book's contents include: Crimmigration, Securitization, and the Criminal Law of the Crimmigrant * A Reflection on Crimmigration in the Netherlands * Entering the Risk Society: A Contested Terrain for Immigration Enforcement * The Changing Landscape of the Criminalization of Migration in Europe * Disappearing Rights: How States Are Eroding Membership in American Society * The Impact of Immigration Enforcement Outsourcing on Ice Priorities * The Spirit of Crimmigration * Crime and Immigration: The Discourses of Fear as a Theoretical Approach of Critical Evaluation * Recorded Crime Committed by Migrant Groups and Native Dutch in the Netherlands * The Foreign-Born in the Canadian Federal Correctional Population * The Impact of Safety on Levels of Ethnocentrism * The Control of Irregular Migrants and the Criminal Law of the Enemy * Crime among Irregular Immigrants and the Influence of Crimmigration Processes * The Wide Scope of Immigration in the Azores and Its Relationship with Crime * Irregular Immigrants and Their Irish Citizen Children: The Limits of National Citizenship * The Treaty of Prum * Unauthorized Migration

Next Generation Supply Chains Rosanna Fornasiero 2020-12-31 This open access book explores supply chains strategies to help companies face challenges such as societal emergency, digitalization, climate changes and scarcity of resources. The book identifies industrial scenarios for the next decade

based on the analysis of trends at social, economic, environmental technological and political level, and examines how they may impact on supply chain processes and how to design next generation supply chains to answer these challenges. By mapping enabling technologies for supply chain innovation, the book proposes a roadmap for the full implementation of the supply chain strategies based on the integration of production and logistics processes. Case studies from process industry, discrete manufacturing, distribution and logistics, as well as ICT providers are provided, and policy recommendations are put forward to support companies in this transformative process.

Organosilicon Chemistry Tamejiro Hiyama 2020-02-18 Provides a unique summary of important catalytic reactions in the presence of silicon A must-have for all synthetic chemists, this book summarizes all of the important developments in the application of organosilicon compounds in organic synthesis and catalysis. Edited by two world leaders in the field, it describes different approaches and covers a broad range of reactions, e.g. catalytic generation of silicon nucleophiles, Si-H Bond activation, C-H bond silylation, silicon-based cross-coupling reactions, and hydrosilylation in the presence of earth-abundant metals. In addition to the topics covered above, Organosilicon Chemistry: Novel Approaches and Reactions features chapters that look at Lewis base activation of silicon Lewis acids, silylenes as ligands in catalysis, and chiral silicon molecules. -The first book about this topic in decades, covering a broad range of reactions -Covers new approaches and novel catalyst systems that have been developed in recent years -Written by well-known, international experts in the areas of organometallic silicon chemistry and organosilicon cross-coupling reactions Organosilicon Chemistry: Novel Approaches and Reactions is an indispensable source of information for synthetic chemists in academia and industry, working in the field of organic synthesis, catalysis, and main-group chemistry.

A Research Review of Interventions to Increase the Persistence and Resilience of Coral Reefs National Academies of Sciences, Engineering, and Medicine (U.S.). Committee on Interventions to Increase the Resilience of Coral Reefs 2019 "Coral reef declines have been recorded for all major tropical ocean basins since the 1980s, averaging approximately 30-50% reductions in reef cover globally. These losses are a result of numerous problems, including habitat destruction, pollution, overfishing, disease, and climate change. Greenhouse gas emissions and the associated increases in ocean temperature and carbon dioxide (CO₂) concentrations have been implicated in increased reports of coral bleaching, disease outbreaks, and ocean acidification (OA). For the hundreds of millions of people who depend on reefs for food or livelihoods, the thousands of communities that depend on reefs for wave protection, the people whose cultural practices are tied to reef resources, and the many economies that depend on reefs for fisheries or tourism, the health and maintenance of this major global ecosystem is crucial. A growing body of research on coral physiology, ecology, molecular biology, and responses to stress has revealed potential tools to increase coral resilience. Some of this knowledge is poised to provide practical interventions in the short-term, whereas other discoveries are poised to facilitate research that may later open the doors to additional interventions. A Research Review of Interventions to Increase the Persistence and Resilience of Coral Reefs reviews the state of science on genetic, ecological, and environmental interventions meant to enhance the persistence and resilience of coral reefs. The complex nature of corals and their associated microbiome lends itself to a wide range of possible approaches. This first report provides a summary of currently available information on the range of interventions present in the scientific literature and provides a basis for the forthcoming final report"--Publisher's description

Doubleday, Page & Co.'s Geographical Manual and New Atlas Christopher Orlando Sylvester Mawson 1918

