

Hurricane Climatology A Modern Statistical Guide Using R

Hurricane Climatology Contemporary Climatology Modern Climatology Modern Meteorology and Climatology Contemporary Climatology Physics of the Atmosphere, Climatology and Environmental Monitoring Contemporary Climatology Encyclopedia of World Climatology Principles and Applications of Climatology City, Climate, and Architecture Climatology for Airline Pilots The Oxford Companion to the History of Modern Science An Environmental History of the Early Modern Period International Encyclopedia of Geography, 15 Volume Set Climate, History, and the Modern World Hydroclimatology Climatology and Meteorology: Advanced Researches Contemporary Russian Encyclopedia of Climate and Weather Modern Climate Change Science Tropical Climatology Urban Climatology in Africa Meteorology And Environmental Sciences - Proceedings Of The Course On Physical Climatology And Meteorology For Environmental Application Essentials of the Earth's Climate System Climate and Man Yearbook of Agriculture Selected Readings in Applied Climatology Applied Climatology Climate and the Picturesque in the American Tropics The Weather and Climate of Southern Africa Climatology and Weather Forecasting Atmosphere, Weather and Climate Image Politics of Climate Change Geographers Nonlinear Time Series Analysis in the Geosciences Climatology of West Africa Atmospheric Science: A Modern Approach United States Historical Climatology Network (HCN) Serial Temperature and Precipitation Data Computerized Modeling of Sedimentary Systems Forgotten Civilization

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Modern Climatology Aug 25 2022 Climate study appears to be closely related to the environmental studies. In a degrading environment climate conditions, particularly changing situation happens to be of a great concern for sustainable future. In this context the book has been written understanding the tenets of underlying principles and processes of global climate

Selected Readings in Applied Climatology Aug 01 2020 Over the last 40 years, applied climatologists have been producing increasingly sophisticated and insightful research which has led to the current level of recognition that climate and particularly climatic changes have important environmental, economic, and recreational impacts. Furthermore, as societal needs for optimizing the use of resources increase, applied climatology will continue to grow in importance. *Selected Readings in Applied Climatology* is a collection of academic-style vignettes of research over the past 40 years that represents the evolution of this important subfield, and, therefore, provides a framework for appreciating the impacts of climate on society. After an introductory editorial chapter placing the development of applied climatology in its historical context, the book is divided into topical sections on applied climatological research in atmospheric circulation variability; the biosphere; water and energy resources; agriculture; and human health, comfort and behavior. The final section includes a collection of essays on communicating climatic information to the public. *Selected Readings in Applied Climatology* will be beneficial to those whose field of interest affects, and is affected by, climate, such as meteorologists, ecologists, water resource planners, energy demand forecasters, commodities brokers, agriculturalists, sociologists, and media consultants.

Urban Climatology in Africa Jan 06 2021

Contemporary Climatology Sep 26 2022 This guide to the nature of the Earth's climate presents a synthesis of contemporary scientific ideas about atmospheric circulation, providing the basic factual information and suggesting ways in which this information can be used.

The Weather and Climate of Southern Africa Apr 28 2020 This book is the second, fully revised edition of *The Atmosphere and Weather of Southern Africa*. It provides a thorough, in-depth, and well-illustrated introduction to the meteorology of southern Africa, and includes a new emphasis on climatology.

An Environmental History of the Early Modern Period Oct 15 2021 The environmental history of early modern times is a seminal and lively field of historical research. This volume offers ten concise essays that provide an overview of current research debates on a broad span of topics, such as historical climatology and climate reconstruction, coping with disaster, land use and agricultural knowledge, forest history, urbanization, the perceptions of (alpine) nature, and societal dealings with water and rivers. Taken together, the contributions establish early modern studies as a promising laboratory for new avenues in environmental history. (Series: Austria: Research and Science - History / Austria: Forschung und Wissenschaft - Geschichte - Vol. 10) [Subject: History, Environmental Studies]

Atmosphere, Weather and Climate Feb 25 2020 This book presents a comprehensive introduction to weather processes and climatic conditions around the world, their observed variability and changes, and projected future trends. Extensively revised and updated, this ninth edition retains its tried and tested structure while incorporating recent advances in the field. From clear explanations of the basic physical and chemical principles of the atmosphere, to descriptions of regional climates and their changes, the book presents a comprehensive coverage of global meteorology and climatology. In this new edition the latest scientific ideas are again expressed in a clear, non-mathematical matter. New features include: extended and updated treatment of atmospheric models final chapter on climate variability and change has been completely rewritten to take account of the IPCC 2007 scientific assessment. new four-colour text design featuring over 30 colour plates over 360 diagrams have been redrawn in full colour to improve clarity and aid understanding. *Atmosphere, Weather and Climate* continues to be an indispensable source for all those studying the earth's atmosphere and world climate, whether from environmental and earth sciences, geography, ecology, agriculture, hydrology, or related disciplinary perspectives. Its pedagogic value is enhanced by several features: learning points at the opening of each chapter and discussion topics at their ending, boxes on topical subjects and on twentieth century advances in the field.

Applied Climatology Jun 30 2020 'Big freeze' conditions, storms, severe flooding, droughts, and heatwaves - recent extremes in weather, with their resultant physical, economic and human losses, highlight the vulnerability of society to changes in the atmosphere. Atmospheric pollution, urbanization, natural atmospheric disasters are causing dramatic changes in climatic environments. *Applied Climatology* examines the effects of climate on physical, biological and cultural environments. Specialist contributors from Europe, North America and Australasia examine the impacts of changing climates on the functioning and development of physical biological environments including glaciers, water resources, landforms, soils,

vegetation and animals. Weather and climate effects day-to-day activities and lifestyles from the clothes we wear to the buildings we design, and the food and energy we produce. This book focusses on the relationship between climate and a wide range of human activities and responses relating to health and comfort, building design, transport systems, agriculture and fisheries, tourism and social, industrial and legal issues. Climate-environment relationships and impacts on human activities are predicted to change dramatically if global warming accelerates at the rates currently proposed. Applied Climatology examines the characteristics and consequences of the changing global climate and considers the future for both natural and human environments.

Climatology and Meteorology: Advanced Researches Jun 11 2021 Climatology studies the climate patterns of a defined area over a period of time while meteorology studies changes in atmospheric pressure and precipitation in order to predict and forecast the weather. This book on climatology and meteorology discusses topics related to climatic shifts and patterns in relation to global warming, remote sensing techniques for mapping atmospheric phenomena, etc. The book studies, analyses and upholds the pillars of climatology and meteorology and their utmost significance in modern times. The various studies that are constantly contributing towards advancing technologies and evolution of these fields are examined in detail. It will be of great help to students and researchers in the fields of Earth sciences, climatology and physical geography.

The Oxford Companion to the History of Modern Science Nov 16 2021 Containing 609 encyclopedic articles written by more than 200 prominent scholars, The Oxford Companion to the History of Modern Science presents an unparalleled history of the field invaluable to anyone with an interest in the technology, ideas, discoveries, and learned institutions that have shaped our world over the past five centuries. Focusing on the period from the Renaissance to the early twenty-first century, the articles cover all disciplines (Biology, Alchemy, Behaviorism), historical periods (the Scientific Revolution, World War II, the Cold War), concepts (Hypothesis, Space and Time, Ether), and methodologies and philosophies (Observation and Experiment, Darwinism). Coverage is international, tracing the spread of science from its traditional centers and explaining how the prevailing knowledge of non-Western societies has modified or contributed to the dominant global science as it is currently understood. Revealing the interplay between science and the wider culture, the Companion includes entries on topics such as minority groups, art, religion, and science's practical applications. One hundred biographies of the most iconic historic figures, chosen for their contributions to science and the interest of their lives, are also included. Above all The Oxford Companion to the History of Modern Science is a companion to world history: modern in coverage, generous in breadth, and cosmopolitan in scope. The volume's utility is enhanced by a thematic outline of the entire contents, a thorough system of cross-referencing, and a detailed index that enables the reader to follow a specific line of inquiry along various threads from multiple starting points. Each essay has numerous suggestions for further reading, all of which favor literature that is accessible to the general reader, and a bibliographical essay provides a general overview of the scholarship in the field. Lastly, as a contribution to the visual appeal of the Companion, over 100 black-and-white illustrations and an eight-page color section capture the eye and spark the imagination.

Contemporary Climatology Apr 21 2022 A stimulating and comprehensive guide to the nature of the earth's climate and presents a synthesis of scientific ideas about atmospheric circulation. Topics covered include: energy systems; the hydrological cycle; the general circulation; local and regional climates; applications of climate information and the use of satellite observations.

City, Climate, and Architecture Jan 18 2022 The publication rethinks climate control – a key concern of the discipline of architecture – through the lens of city climate phenomena over the course of the 20th century. Based on a history of climate control on urban scales, it promotes the integration of indoors and outdoors in order to reduce environmental and thermal loads in cities. Just as heating and cooling practices inside the buildings are affecting the (urban) climate outdoors, urban heat islands are influencing the energy requirements and thermal conditions inside the buildings. While the first part of the book focuses on the interwar period in Europe, the publication's second part considers examples from all over the globe, tracing the growing significance of ecological thinking for the design of urban environments.

Atmospheric Science: A Modern Approach Sep 21 2019 The study of the Earth's atmosphere along with its physical processes is known as atmospheric science. It is primarily categorized into three branches, namely, meteorology, climatology and aeronomy. The study of atmospheric changes due to either anthropogenic or natural climate variability falls under the domain of climatology. Such changes can be either long-term or short-term in nature. Meteorology focuses on weather forecasting. It includes atmospheric chemistry and physics. The study of the uppermost layers of the atmosphere is referred to as aeronomy. This includes the processes of ionization and dissociation in the atmosphere. Some of the instruments used to study the atmosphere are weather balloons, rocketsondes, satellites, radiosondes, etc. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of atmospheric science. Some of the diverse topics covered herein address the varied branches that fall under this category. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

Climatology of West Africa Oct 23 2019 Originally published in 1987, this book brings together information previously buried in specialist sources and makes it available to the student in a non-technical and well-illustrated synthesis. It builds a clear and detailed picture of the climates of West Africa, describing and explaining them and showing how crucial this understanding is to everyday life. The climate's relevance to water resources, agriculture, health and industry is systematically considered.

Nonlinear Time Series Analysis in the Geosciences Nov 23 2019 The understanding of dynamical processes in the complex system "Earth" requires the appropriate analysis of a large amount of data from observations and/or model simulations. In this volume, modern nonlinear approaches are introduced and used to study specific questions relevant to present-day geoscience. The approaches include spatio-temporal methods, time-frequency analysis, dimension analysis (in particular, for multivariate data), nonlinear statistical decomposition, methods designed for treating data with uneven sampling or missing values, nonlinear correlation and synchronization analysis, surrogate data techniques, network approaches, and nonlinear methods of noise reduction. This book aims to present a collection of state-of-the-art scientific contributions used in current studies by some of the world's leading scientists in this field.

Contemporary Climatology Jun 23 2022 Now in its second edition, Climatology continues to provide an up-to-date stimulating and comprehensive guide to the nature of the earth's climate. It presents a synthesis of contemporary scientific ideas about atmospheric circulation. Topics covered include: -Energy systems-The hydrological cycle-General circulation, local and regional climate-Application of climate information-Use of satellite observations

Image Politics of Climate Change Jan 26 2020 Scientific research on climate change has given rise to a variety of images picturing climate change. These range from colorful expert graphics, model visualizations, photographs of extreme weather events like floods, droughts or melting ice, symbols like polar bears, to animated and interactive visualizations. Climate change graphics have not only increased knowledge about the subject, they have begun to influence popular awareness of global weather events. The status of climate pictures today is particularly crucial, as global climate change as a long-term process cannot be seen. When images are widely distributed, they are able to shape how the world is thought about and seen. It is this implicit basic assumption of the power of images to influence reality that this book addresses: today's images might become the blueprint for tomorrow's realities. »Image Politics of Climate Change« combines a wide interdisciplinary range of perspectives and questions, treated here in sixteen interdisciplinary case studies. The author's specializations include both visual practice and theory: in the fields of climate sciences, computer graphics, art, curating, art history and visual studies, communication and cultural science, environmental and science & technology studies. The close interlinking of these viewpoints promotes in-depth insights into issues of production and analysis of climate visualization.

Modern Meteorology and Climatology Jul 24 2022

Encyclopedia of World Climatology Mar 20 2022 Today, given the well-publicized impacts of events such as El Niño, there is an unequalled public awareness of how climate affects the quality of life and environment. Such awareness has created an increasing demand for accurate climatological

information. This information is now available in one convenient, accessible source, the Encyclopedia of World Climatology. This comprehensive volume covers all the main subfields of climatology, supplies information on climates in major continental areas, and explains the intricacies of climatic processes. The level of presentation will meet the needs of specialists, university students, and educated laypersons. A successor to the 1986 Encyclopedia of Climatology, this compendium provides a clear explanation of current knowledge and research directions in modern climatology. This new encyclopedia emphasizes climatological developments that have evolved over the past twenty years. It offers more than 200 informative articles prepared by 150 experts on numerous subjects, ranging from standard areas of study to the latest research studies. The relationship between climatology and both physical and social science is fully explored, as is the significance of climate for our future well-being. The information is organized for speedy access. Entries are conveniently arranged in alphabetical order, thoroughly indexed, and cross-referenced. Every entry contains useful citations to additional source materials. The Editor John E. Oliver is Professor Emeritus at Indiana State University. He holds a B.Sc. from London University, and a MA and Ph.D from Columbia University. He taught at Columbia University and then at Indiana State where he was formerly Chair of the Geography-Geology Department, and Associate Dean, College of Arts and Sciences. He has written many books and journal articles in Climatology, Applied Climatology and Physical Geography.

Climatology and Weather Forecasting Mar 28 2020 Climatology or climate science is the study of climate, especially weather conditions over a long period of time. The concepts of climatology are used to analyze accumulated data for pattern recognition. Such recognized patterns are used to forecast weather. Recent advances in this field of science have given rise to a number of modern approaches in related areas of research such as paleoclimatology, historical climatology, etc. This book is a compilation of chapters that discuss the most vital concepts and emerging trends in the field of climatology and their application in weather forecasting. It is a complete source of knowledge on the present status of this important field. Easy to understand language and extensive use of examples makes this book an ideal reference text for students and researchers alike.

Physics of the Atmosphere, Climatology and Environmental Monitoring May 22 2022 This proceedings book presents a discussion by leading scientists and specialists of the latest scientific results, developed methods, technologies and technical means of research and pilot work in the field of geosciences and environmental management. An important task is to familiarize young specialists, teachers, graduate students and students with the current state and the latest world achievements in this field of knowledge. Currently, there is a rapid and significant climate change, which manifests itself not only in global warming, but also in noticeable changes in other atmospheric and climatic characteristics among others.

International Encyclopedia of Geography, 15 Volume Set Sep 14 2021 Representing the definitive reference work for this broad and dynamic field, The International Encyclopedia of Geography arises from an unprecedented collaboration between Wiley and the American Association of Geographers (AAG) to review and define the concepts, research, and techniques in geography and interrelated fields. Available as a robust online resource and as a 15-volume full-color print set, the Encyclopedia assembles a truly global group of scholars for a comprehensive, authoritative overview of geography around the world. Contains more than 1,000 entries ranging from 1,000 to 10,000 words offering accessible introductions to basic concepts, sophisticated explanations of complex topics, and information on geographical societies around the world Assembles a truly global group of more than 900 scholars hailing from over 40 countries, for a comprehensive, authoritative overview of geography around the world Provides definitive coverage of the field, encompassing human geography, physical geography, geographic information science and systems, earth studies, and environmental science Brings together interdisciplinary perspectives on geographical topics and techniques of interest across the social sciences, humanities, science, and medicine Features full color throughout the print version and more than 1,000 illustrations and photographs Annual updates to online edition

Tropical Climatology Feb 07 2021 The tropics. Radiation conditions in the low latitudes. Temperatures in the tropics. The general circulation of the tropical atmosphere. Regular variations of the tropical circulation. Tropical disturbances. Water in the tropical atmosphere. Tropical precipitation. Tropical climates. Applied tropical climatology.

Geographers Dec 25 2019 An annual collection of studies of individuals who have made major contributions to the development of geography and geographical thought. Subjects are drawn from all periods and from all parts of the world, and include famous names as well as those less well known: explorers, independent thinkers and scholars. Each paper describes the geographer's education, life and work and discusses their influence and spread of academic ideas. Each study includes a select bibliography and brief chronology. The work includes a general index and a cumulative index of geographers listed in volumes published to date.

Essentials of the Earth's Climate System Nov 04 2020 A concise, non-mathematical, full-color introduction to modern climatology, covering the key topics of climate science for intermediate undergraduate students.

Climate and the Picturesque in the American Tropics May 30 2020 The biggest challenge of the twenty-first century is to bring the effects of public life into relation with the intractable problem of global atmospheric change. *Climate and the Picturesque in the American Tropics* explains how we came to think of the climate as something abstract and remote rather than a force that actively shapes our existence. The book argues that this separation between climate and sensibility predates the rise of modern climatology and has deep roots in the era of colonial expansion, when the American tropics were transformed into the economic supplier for Euro-American empires. The book shows how the writings of American travellers in the Caribbean registered and pushed forward this new understanding of the climate in a pivotal period in modern history, roughly between 1770 and 1860, which was fraught with debates over slavery, environmental destruction, and colonialism. Offering novel readings of authors including J. Hector St. John de Crevecoeur, Leonora Sansay, William Cullen Bryant, Nathaniel Hawthorne, Sophia Peabody, Ralph Waldo Emerson, and James McCune Smith in light of their engagements with the American tropics, this book shows that these authors drew on a climatic epistemology that fused science and sentiment in ways that citizen science is aspiring to do today. By suggesting a new genealogy of modern climate thinking, *Climate and the Picturesque in the American Tropics* thus highlights the urgency of revisiting received ideas of tropicality deeply ingrained in American culture that continue to inform current debates on climate debt and justice.

Contemporary Russian May 10 2021 A tool to enable Americans to read printed Russian (Cyrillic) contemporary literature, On-line newspapers, printed materials, etc. Extremely comprehensive listings of Composite word/terms, Word stems and their grammatically defining endings, Uniquely phoneticized words, and unique word/terms found in no other published American source. Translations are structured to firstly list the most common American translation, followed by secondary translations, and their synonyms. Each Cyrillic entry is categorized by grammatical usage. Adjectives have the source topic listed at the end of each Cyrillic entry. Product is intended for all those interested in reading the Russian Printed Language; speaking or pronouncing the Russian language is not a restriction for reading and literal understanding. This publication is intended to complement the basic Russian language translations found in a quality/comprehensive Russian/English dictionary (such as Oxfords Russian/English Dictionary). Utilize *Contemporary Russian* by L. L. Downing to access the fascinating world of the extensive Russian Language.

Modern Climate Change Science Mar 08 2021 Composed of two extensive sections, this book surveys important work in climate change science, mainly in the United States, and introduces contributions to the body of science that have arrived on the scene between January 2013 and February 2014. The opening section offers a broad examination of contemporary climate change science, with subsections on the Intergovernmental Panel on Climate Change (IPCC); Earth's energy imbalance and energy flow; carbon dioxide's role in the greenhouse effect; climate forcing, and climate feedbacks; Charles David Keeling and the Keeling Curve; the interfaces of atmosphere with oceans and land; paleoclimates and paleoclimatology; rising sea level; melting glaciers; deforestation; desertification; more violent storms, animal and human migration, extinction of species and more. The second section reviews and assesses the newest contributions to the body of research. Among the topics discussed are current and recent research on rising temperatures; the BEST study; the Global Historical Climatology Network (GHCN) and the National Climatic Data Center (NCDC); current and recent research on climate models, new research on global warming 56 million years ago; ecosystem impacts, projections of future climate and more.

This book can be considered a bridge between the volumes of Farmer and Cook's *Climate Change Science: A Modern Synthesis*, as it arrives between the release of the first volume on the Physical Climate (2013) the second, on Earth's climate history, which is now in preparation. The book benefits a wide audience as its survey of the science of climate change provides an introduction to the subject and a discussion of current research in the field. The book may be used as a refresher for those who have had prior courses in climate science and related fields. Each chapter includes a comprehensive list of references for subjects discussed in the text.

Hurricane Climatology Oct 27 2022 Hurricane Climatology explains how to analyze and model hurricane data to better understand and predict present and future hurricane activity

Climate, History, and the Modern World Aug 13 2021

United States Historical Climatology Network (HCN) Serial Temperature and Precipitation Data Aug 21 2019

Principles and Applications of Climatology Feb 19 2022 The scientific study of weather patterns averaged over a period of time is called climatology or climate science. It focuses on recording and analyzing weather patterns of the Earth's atmosphere and understanding the conditions that cause them. It is a branch of the atmospheric sciences and a subfield of physical geography. Climatology also comprises aspects of oceanography and biogeochemistry. It is used for the analysis of observations and modeling the physical laws that determine the climate. It encompasses climate variability, mechanisms of climate change, and modern climate change. This book outlines the principles and applications of climatology in detail. It discusses the fundamentals as well as modern approaches of this field. As climatology is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

Encyclopedia of Climate and Weather Apr 09 2021 This three-volume A-to-Z compendium consists of over 300 entries written by a team of leading international scholars and researchers working in the field. Authoritative and up-to-date, the encyclopedia covers the processes that produce our weather, important scientific concepts, the history of ideas underlying the atmospheric sciences, biographical accounts of those who have made significant contributions to climatology and meteorology and particular weather events, from extreme tropical cyclones and tornadoes to local winds.

Yearbook of Agriculture Sep 02 2020

Meteorology And Environmental Sciences - Proceedings Of The Course On Physical Climatology And Meteorology For Environmental Application Dec 05 2020 On 19 March 1993, Raymond L. Orbach was inaugurated as the eighth Chancellor of the University of California, Riverside. In connection with this occasion, a two-day scientific symposium was held. Invited and contributed papers were presented on subjects related to 2 vital areas of condensed-matter physics in which Chancellor Orbach has made seminal contributions: the effects of disorder on magnetic behavior, and the theory of high-temperature superconductivity. The papers in this book, many of which are by outstanding contributors to these important fields, give an up-to-date overview of recent progress.

Climatology for Airline Pilots Dec 17 2021 Climatology - particularly the study of difficult and demanding weather conditions - is of major importance to pilots now that aeroplanes fly over previously unavailable routes such as the North Pole and take direct routes over very large oceans. Existing books on climatology address physical, biological or cultural environments and do not supply adequate information for the pilot. Nor do the present books on aviation meteorology provide sufficient detail on subjects such as arid climates, tropical storms and upper tropospheric winds and temperatures. This new book concentrates on aspects of climatology that are important for modern aviation, including temperature, precipitation, solar radiation, winds and regional climatic environments from around the world. Although the book has been written with the airline pilot in mind, it will also be an essential reference for Air Transport Pilot Licence training staff and for ATPL students. It will also be of interest to operational route planning staff and students of climatology.

Forgotten Civilization Jun 18 2019 Scientific confirmation of advanced civilization at the end of the last ice age, the solar catastrophe that destroyed it, and what the evidence means for our future • Demonstrates, based on the 12,000-year-old megalithic complex of Göbekli Tepe, that advanced civilization extends thousands of years further back than generally acknowledged • Examines the catastrophic solar outbursts that ended the last ice age, wiping out antediluvian civilization and incinerating much of the evidence of that period • Reveals data that show solar outbursts powerful enough to devastate modern society could return in the future Building upon his revolutionary theory that the Sphinx dates back much further than 2500 BCE, geologist Robert Schoch reveals scientific evidence of advanced civilization predating ancient Egypt, Sumeria, and Greece, as well as the catastrophe that destroyed it nearly 12,000 years ago and what its legacy can teach us about our own future. Combining evidence from multiple scientific disciplines, Schoch shows how the last ice age ended abruptly in 9700 BCE due to coronal mass ejections from the Sun. These solar outbursts unleashed electrical/plasma discharges upon Earth and triggered volcanic activity, earthquakes, fires, and massive floods as glaciers melted and lightning strikes released torrential rains from the oceans. He explains how these events eradicated the civilization of the time and set humanity back thousands of years, only to reemerge around 3500 BCE with scattered memories and nascent abilities. He explores within this framework, how many megalithic monuments, underground cities, and ancient legends fall logically into place, as well as the reinterpreted Easter Island rongorongo texts and the intentional burial, 10,000 years ago, of the Göbekli Tepe complex in Turkey. Schoch reveals scientific evidence that shows how history could repeat itself with a coronal mass ejection powerful enough to devastate modern society. Weaving together a new view of the origins of civilization, the truths behind ancient wisdom, and the dynamics of the planet we live on, Schoch maintains we must heed the megalithic warning of the past and collectively prepare for future events.

Hydroclimatology Jul 12 2021 A graduate textbook on the interdisciplinary significance of hydroclimatology, explaining the relationship between the climate system and the hydrologic cycle.

Computerized Modeling of Sedimentary Systems Jul 20 2019 Computerized modeling is a powerful tool to describe the complex interrelations between measured data and the dynamics of sedimentary systems. Complex interaction of environmental factors with natural variations and increasing anthropogenic intervention is reflected in the sedimentary record at varying scales. The understanding of these processes gives way to the reconstruction of the past and is a key to the prediction of future trends. Especially in cases where observations are limited and/or expensive, computer simulations may substitute for the lack of data. State-of-the-art research work requires a thorough knowledge of processes at the interfaces between atmosphere, hydrosphere, biosphere, and lithosphere, and is therefore an interdisciplinary approach.

Climate and Man Oct 03 2020