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Principles of Sedimentology and Stratigraphy

2013-08-27

this concise treatment of the fundamental principles of sedimentology and stratigraphy highlights the important physical chemical biological and stratigraphic characteristics of sedimentary rocks it emphasises the ways in which the study of sedimentary rocks is used to interpret depositional environments changes in ancient sea level and other intriguing aspects of earth s history the full text downloaded to your computer with ebooks you can search for key concepts words and phrases make highlights and notes as you study share your notes with friends ebooks are downloaded to your computer and accessible either offline through the bookshelf available as a free download available online and also via the ipad and android apps upon purchase you ll gain instant access to this ebook time limit the ebooks products do not have an expiry date you will continue to access your digital ebook products whilst you have your bookshelf installed

Principles of Sedimentology and Stratigraphy

2013-07-14

this concise treatment of the fundamental principles of sedimentology and stratigraphy highlights the important physical chemical biological and stratigraphic characteristics of sedimentary rocks it emphasizes the ways in which the study of sedimentary rocks is used to interpret depositional environments changes in ancient sea level and other intriguing aspects of earth s history

Dynamic Stratigraphy

1974

umfassendes lehrwerk über sämtliche aspekte der sedimentologie und der grundlegenden stratigraphie das buch sedimentology and stratigraphy führt in die thematik ein und gibt den leserinnen und lesern werkzeuge zur interpretation von sedimenten und sedimentgesteinen an die hand dabei werden die prozesse der bildung des transports und der ablagerung von sedimenten behandelt und auf die entwicklung konzeptioneller modelle für sämtliche sedimentumgebungen von wüsten über die tiefsee und riffe bis zu flüssen angewandt für einen umfassenden überblick über sämtliche aspekte der sedimentologie und stratigraphie werden außerdem verschiedene ansätze zur nutzung stratigraphischer prinzipien bei der datierung und korrelierung von schichten betrachtet die 3 auflage wurde gründlich überarbeitet und aktualisiert dabei wurde die kapitelgliederung so geändert dass nun separate abschnitte zur geomorphologie und zur stratigraphie für jede sedimentumgebung vorhanden sind außerdem enthält die neue ausgabe zusätzliche farbige abbildungen die wesentlichen konzepte die in sedimentology and stratigraphy eingeführt werden umfassen u a die bedeutung von veränderungen in der pflanzen und tierwelt im zeitverlauf und die auswirkungen auf die charakteristik des sedimentumfelds im meer und an land die unterscheidung zwischen modernen umgebungen und dem was in den sedimentabfolgen erhalten geblieben ist mit einer betrachtung glazialerosionaler und von ablagerungen geprägter landformen heutige wüstenumgebungen und äolische ablagerungen in der stratigraphischen abfolge fluviatile prozesse mit mustern von neben und verteilerkanälen unterschiedlicher größenordnung und in verschiedenen umgebungen das werk sedimentology and stratigraphy wurde von einem kenntnisreichen autor mit umfangreicher erfahrung auf dem fachgebiet verfasst es ist ein gut verständliches lehrwerk für studierende der geologie und verwandter fachgebiete die sich kenntnisse über die bildung eigenschaften und bedeutung von sedimentgesteinen aneignen möchten

Sedimentology and Stratigraphy

2023-03-29

principles of stratigraphy reaffirms the vital importance of stratigraphy to the earth sciences and introduces the undergraduate to its key elements in a lively and interesting fashion first recent text devoted to stratigraphic principles and applications contains details of the latest stratigraphic techniques includes numerous case studies and real world examples an instructor manual cd rom for this title is available please contact our higher education team at highereducation@wiley.com for more information

Principles of Stratigraphy

2008-04-15

the two primary areas of study sedimentary rocks and stratigraphy are presented in this sleek

complete and up to date undergraduate text background principles in chemistry physics and structure are introduced as needed so that the authors lean lively approach and focus on soft rock geology principles are preserved the book contains the latest information on sequence stratigraphy and seismic stratigraphy this year s best introductory text in sedimentology new scientist 1996

Sedimentary Geology

1996

offering a solid introduction to the principles and applications of sedimentology and stratigraphy author richard a davis jr emphasizes the integration of these two areas and covers both modern and ancient depositional environments using modern examples and excellent illustrations the second edition presents updated technical information and offers a major reorganization of chapters to promote greater clarity and to place greater emphasis on more current topics additional content highlights provides new approaches to basic analysis including sequence stratigraphy integrates genetically related depositional environments that share a common thread in concurrent chapters discusses topics such as sedimentary processes and structures the desert system the fluvial system the delta system the barrier island system reefs and the carbonate platform system the deep ocean system and much more

Textbook of Geology

1943

the updated textbook is intended to serve as an advanced and detailed treatment of the evolution of the subject of stratigraphy from its disparate beginnings as separate studies of sedimentology lithostratigraphy chronostratigraphy etc into a modern integrated discipline in which all components are necessary there is a historical introduction which now includes information about the timeline of the evolution of the components of modern stratigraphy the elements of the various components facies analysis sequence stratigraphy mapping methods chronostratigraphic methods etc are outlined and a chapter discussing the modern synthesis is included near the end of the book which closes with a discussion of future research trends in the study of time as preserved in the stratigraphic record

Depositional Systems

1992

this book examines the rich corpus of mosaics created in crete during the roman and late antique eras it provides essential information on the style iconography and chronology of the material as well as discussion of the craftspeople who created them and the technologies they used the contextualized mosaic evidence also reveals a new understanding of roman and late antique crete it helps shed light on the processes by which crete became part of the roman empire its subsequent christianization and the pivotal role the island played in the mediterranean network of societies during these periods this book provides an original approach to the study of mosaics and an innovative method of presenting a diachronic view of provincial cretan society

Paleontology and Stratigraphy of the Silurian Rocks of the Port Daniel-Black Cape Region, Gaspé

1939

practical and theoretical geoarchaeology second edition provides an invaluable and vastly updated overview of geoarchaeology and how it can be used effectively in the study of archaeological sites and contexts taking a pragmatic and functional approach this book presents a fundamental broad based perspective of the essentials of modern geoarchaeology in order to demonstrate the breadth of the approaches and the depth of the problems that it can tackle the rapid advances made in the area in recent years but also gives the reader a firm grasp of conventional approaches covers traditional topics with the emphasis on landscapes as well as anthropogenic deposits and site formation processes and their investigation provides guidelines for the presentation of field and laboratory methods and the reporting of geoarchaeological results essential reading for archaeology undergraduate and graduate students practicing archaeologists and geoscientists who need to understand and apply geoarchaeological methodologies and help foster the dialog among diverse researchers investigating archaeological sites practical and theoretical geoarchaeology second edition is an ideal resource for undergraduate and graduate students in archaeology and a great practical reference for practicing archaeologists and geoscientists who need to understand and apply geoarchaeological methodologies internationally

Stratigraphy: A Modern Synthesis

2022-03-02

first two editions have david johnson listed as only author

The Mosaics of Roman Crete

2013-05-31

environments of deposition basic stratigraphic relations interpretation of specific lithotopes synthesis

Stratigraphy, Paleontology, and Economic Geology of Portions of Perry and Cochran Quadrangles, Georgia

1967

geology applied to engineering bridges the gap between the two fields through its versatile application of the physical aspects of geology to engineering design and construction the second edition elucidates real world practices concerns and issues for today s engineering geologists and geotechnical engineers both undergraduate and graduate students will benefit from the book s thorough coverage as will professionals involved in assessing sites for engineering projects evaluating construction materials developing water resources and conducting tests using industry standards west and shakoor offer expanded coverage of important topics such as slope stability and ground subsidence and significant fields in engineering geology such as highways dams tunnels and rock blasting in order to allow for the diverse backgrounds of geologists and engineers material on the properties of minerals rocks and soil provides a working knowledge of applied geology as a springboard to more comprehensive subjects in engineering example problems throughout the text demonstrate the practical applications of soil mechanics rock weathering and soils structural geology groundwater and geophysics thought provoking and challenging exercises supplement core concepts such as determining shear strength and failure conditions calculating the depth needed for borings reading and analyzing maps and constructing stratigraphic cross sections

Stratigraphy and Sedimentation

1963

this volume is the result of an offshore exploration and drilling programme by soekor pty ltd in the republic of south africa beginning in 1987 seismic stratigraphic data and borehole information were incorporated and released in what was one of the first detailed and comprehensive published examples of the new field of sequence stratigraphy the project was conducted over a south african offshore area of 175 000 square kilometres in the pletmos bredasdorp and orange basins which are examples of divergent basins associated with the breakup of gondwana

Practical and Theoretical Geoarchaeology

2022-09-13

the fifth volume in the institute of classical archaeology s series on rural settlements in the countryside chora of metaponto presents the excavation of a greek farmhouse illuminating the lifeways of fourth century bc farmers of modest means

4th European Meeting on the Palaeontology and Stratigraphy of Latin America

2007

this fully revised and updated edition introduces the reader to sedimentology and stratigraphic principles and provides tools for the interpretation of sediments and sedimentary rocks the processes of formation transport and deposition of sediment are considered and then applied to develop conceptual models for the full range of sedimentary environments from deserts to deep seas and reefs to rivers different approaches to using stratigraphic principles to date and correlate strata are also considered in order to provide a comprehensive introduction to all aspects of sedimentology and stratigraphy the text and figures are designed to be accessible to anyone completely new to the subject and all of the illustrative material is provided in an accompanying cd rom high resolution versions of these

images can also be downloaded from the companion website for this book at wiley.com/go/nicholssedimentology

The Geology of Australia

2016-09-06

a lithic description and gamma ray log of a classic outcrop section provide a basis for correlation with subsurface units

Principles of Stratigraphy

1957

a description and partial revision of the physical stratigraphy and interpretations of depositional environments t p

Geology Applied to Engineering

2018-03-19

the fiftieth anniversary edition of a landmark publication showcasing prehistoric north american landscapes and ecosystems from a celebrated paleontologist at yale university s peabody museum the fiftieth anniversary edition of john h ostrom s stratigraphy and paleontology of the cloverly formation revisits his groundbreaking work pinpointing the age of the continental sequence of the bighorn basin area in wyoming and montana the cloverly formation is important for understanding the development of north american terrestrial landscapes and prehistoric ecosystems and current investigations are reinterpreting the age of the formation with new evidence and data the reissue of ostrom s original benchmark research offers contemporary relevance for researchers and students today

Sequence Stratigraphy in Offshore South African Divergent Basins

1995

measuring sea level change be that rise or fall is one of the most pressing scientific goals of our time and requires robust scientific approaches and techniques this handbook aims to provide a practical guide to readers interested in this challenge from the initial design of research approaches through to the practical issues of data collection and interpretation from a diverse range of coastal environments building on thirty years of international research the handbook comprises 38 chapters that are authored by leading experts from around the world the handbook will be an important resource to scientists interested and involved in understanding sea level changes across a broad range of disciplines policy makers wanting to appreciate our current state of knowledge of sea level change over different timescales and many teachers at the university level as well as advanced level undergraduates and postgraduate research students wanting to learn more about sea level change additional resources for this book can be found at ahref.wiley.com/go/shennan/sealevel

The Chora of Metaponto 5

2014-08-15

1919 28 cumulation includes material previously issued in the 1919 20 1935 36 issues and also material not published separately for 1927 28 1929 39 cumulation includes material previously issued in the 1929 30 1935 36 issues and also material for 1937 39 not published separately

Stratigraphy and Sedimentation

1951

advances in sequence stratigraphy volume two covers current research across a wide range of stratigraphic disciplines providing information on the most recent developments for the geoscientific research community chapters in this volume include sequence stratigraphy oman sequence stratigraphy and diagenesis sequence stratigraphy of siliciclastic systems upper devonian biostratigraphy event stratigraphy and late fransian kellwasser extinction bio events in the iowa basin western euramerica sea level change and sequence stratigraphy sequence stratigraphy a material based approach versus a time based approach and anisian ladinian marker horizon implications for sequence stratigraphy and intra tethyan correlation this fully

commissioned review publication aims to foster and convey progress in stratigraphy including geochronology magnetostratigraphy lithostratigraphy event stratigraphy isotope stratigraphy astrochronology climatostratigraphy seismic stratigraphy biostratigraphy ice core chronology cyclostratigraphy palaeoceanography sequence stratigraphy and more contains contributions from leading authorities in the field informs and updates on all the latest developments in the field aims to foster and convey progress in stratigraphy including geochronology magnetostratigraphy lithostratigraphy event stratigraphy and more

Sedimentology and Stratigraphy

2009-05-18

using a series of case studies the book demonstrates the power of dynamic analysis as applied to the fossil record the book considers how we think about certain types of paleontological questions and shows how to answer them the analytical tools presented here will have wide application to other fields of knowledge as such the book represents a major contribution to the deployment of modern scientific method as it builds on author s previous book dynamic paleontology students and seasoned professionals alike will find this book to be of great utility for refining their approach to their ongoing and future research projects

Stratigraphy of the Chattanooga Shale (Upper Devonian and Lower Mississippian) in Vicinity of Big Stone Gap, Wise County, Virginia

1981

finally there is a one stop reference book for the petroleum engineer which offers practical easy to understand responses to complicated technical questions this is a must have for any engineer or non engineer working in the petroleum industry anyone studying petroleum engineering or any reference library written by one of the most well known and prolific petroleum engineering writers who has ever lived this modern classic is sure to become a staple of any engineer s library and a handy reference in the field whether open on your desk on the hood of your truck at the well or on an offshore platform this is the only book available that covers the petroleum engineer s rules of thumb that have been compiled over decades some of these rules until now have been unspoken but everyone knows while others are meant to help guide the engineer through some of the more recent breakthroughs in the industry s technology such as hydraulic fracturing and enhanced oil recovery the book covers every aspect of crude oil natural gas refining recovery and any other area of petroleum engineering that is useful for the engineer to know or to be able to refer to offering practical solutions to everyday engineering problems and a comprehensive reference work that will stand the test of time and provide aid to its readers if there is only one reference work you buy in petroleum engineering this is it

Official Register of the United States

1957

fluid flow in fractured rocks the definitive treatise on the subject for many years to come prof ruben juanes mit authoritative textbook that provides a comprehensive and up to date introduction to fluid flow in fractured rocks fluid flow in fractured rocks provides an authoritative introduction to the topic of fluid flow through single rock fractures and fractured rock masses this book is intended for readers with interests in hydrogeology hydrology water resources structural geology reservoir engineering underground waste disposal or other fields that involve the flow of fluids through fractured rock masses classical and established models and data are presented and carefully explained and recent computational methodologies and results are also covered each chapter includes numerous graphs schematic diagrams and field photographs an extensive reference list and a set of problems thus providing a comprehensive learning experience that is both mathematically rigorous and accessible written by two internationally recognized leaders in the field fluid flow in fractured rocks includes information on nucleation and growth of fractures in rock with a multiscale characterization of their geometric traits effect of normal and shear stresses on the transmissivity of a rock fracture and mathematics of fluid flow through a single rock fracture solute transport in rocks with quantitative descriptions of advection molecular diffusion and dispersion fluid flow in fractured rocks is an essential resource for researchers and postgraduate students who are interested in the field of fluid flow through fractured rocks the text is also highly suitable for professionals working in civil environmental and petroleum engineering

Devonian Stratigraphy and Paleontology of The Roberts Mountains Region, Nevada

1940

dennis curry was a remarkable polymath and philanthropist leading a double life as one of the uk s most gifted amateur geologists whilst at the same time being an extremely successful businessman as managing director of currys ltd this festschrift authored by friends and specialists from britain and france pays tribute to his often seminal research as well as exhibiting the wide range of his geological interest it contains 12 chapters and covers several differing aspects of micropalaeontology pteropods diatoms and especially foraminifera strontium isotope stratigraphy hampshire basin stratigraphy and palaeogeography as well as major contributions on english channel sedimentology and the great faunal turnover affecting mammals at the eocene oligocene boundary a scientific appreciation of dennis curry the professional amateur with recollections of former colleagues at university college london where he was visiting professor together with an assessment of the valuable collections he established and donated to the natural history museum are also included copiously illustrated this book is a must for all geologists

Upper Silurian and Lower Devonian Stratigraphy of Northeastern Pennsylvania, New Jersey, and Southeasternmost New York

1967

this book provides an overview of lakes in mongolia from scientific economic and scenic points of view presenting lake area changes their sedimentological and geochemical characteristics valuable economic and geohistorical resources and paleoclimate change reconstruction the book emphasizes internationally well known lakes of mongolia but it also describes far less popular lakes which have remained unrecognized for scientific importance the book offers modern qualitative process oriented approaches and quantitative analytic results based implications to understand the geomorphological sedimentological and geochemical evolution of lake basins in mongolia and past and present climate changes in mongolia and eurasia insights into the interpretation of data obtained from the lake basins in the fields of geomorphology sedimentology geochemistry geochronology and paleoclimatology are developed from theoretical principles empirical observations correlative illustrations analytic measurements and conscious hypotheses based on the application of a combined compilation of recent landsat 8 images of the lakes and topographic maps of them in 1970 this book presents enriched results and implications derived from remote sensing together with field measurements and laboratory analyses this data compilation belongs to a research team at the laboratory of geochemistry and geomorphology lgg national university of mongolia num

Stratigraphy and Paleontology of the Cloverly Formation (Lower Cretaceous) of the Bighorn Basin Area, Wyoming and Montana

2020-03-17

Handbook of Sea-Level Research

2014-12-17

Bibliography of North American Geology, 1929-1939

1944

Bibliography of North American Geology

1944

Advances in Sequence Stratigraphy

2017-10-27

Deep Time Analysis

2018-03-14

Bulletin

1931

Rules of Thumb for Petroleum Engineers

2017-02-17

Stratigraphy and Fauna of the Louisiana Limestone of Missouri

1943

Stratigraphy and History of the Moenkopi Formation of Triassic Age

1954

Fluid Flow in Fractured Rocks

2024-02-27

Micropalaeontology, Sedimentary Environments and Stratigraphy

2010

Shorter Contributions to Paleontology and Stratigraphy

1991

Lakes of Mongolia

2022-07-26

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