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Atlas der Pflanzen und Tiere im Baltischen Bernstein - Wolfgang Weitschat 1998

Amber in Archaeology - Curt W. Beck 2003

Gemstones of the World - Walter Schumann 2009

Provides detailed information regarding the physical characteristics and unique traits of more than 1,800 precious and semiprecious stones, as well as discussing gemstone structure, production, name origin, and symbolism.

International Conference on Raman Spectroscopy, Proceedings of the 18th International Conference on Raman Spectroscopy - Janos Mink 2002-10-25

Scattering Anisotropy Advanced Materials: Fullerene and Carbon Nanotubes / Diamond / Super-hard Materials / Other Nanoscale Materials and other New Materials Semiconductors and Related Lower Dimensional Structures / 2-D Electronic Gas The Solid State: Non-Crystalline Materials / Molecular Crystals / Phase Transitions / Others Inorganic / Organometallic / Complex Molecules / Organic Systems Macromolecules and Polymers Thin Films and Membranes Proteins / Peptides / Amino Acids / Enzymes / Chromophoric Biomolecules Lipids / Bio-membranes / Nucleic Acids / Viruses / Cells / Tissues Artwork / Archaeology / Conservation Science Surface / Interfacial Phenomena Industrial Processes and Environmental Applications Applications of Raman Spectroscopy in Analytical Chemistry Medical (Diagnostic, In Vivo) / Biomedical / Pharmaceutical Applications Applications in Mineralogy, Geology and other Fields.

Bernstein - Tränen der Götter - Michael Ganzelewski 1997

Baltic Amber - Adomas Butrimas 2001

History of Insects - A.P. Rasnitsyn 2007-05-29

This is the first single book to cover the whole of the fossil history of insects so comprehensively. The volume embraces subjects from the history of insect palaeontology to the diagnostic features of all insect orders, both extant and extinct.

Montan- und Industriegeschichte - Stefan Brüggerhoff 2006

Der Bergbau zählt zur Urproduktion der Menschheit. Bereits in der Prähistorie wurden Rohstoffe bergbaulich gewonnen. Im Verlauf des Mittelalters und der frühen Neuzeit war insbesondere der Erzbergbau eine entscheidende Grundlage für die Ausbildung charakteristischer Montanregionen. Seit dem 18. Jahrhundert entwickelten sich vor allem der Eisenerz- und der Steinkohlenbergbau zu den entscheidenden Faktoren der Industrialisierung. Seit der Mitte des 20. Jh. befindet sich der Bergbau zumindest in den europäischen Kernländern der Industrialisierung auf dem Rückzug. Die zumeist monoindustriell geprägten Montanreviere unterliegen deshalb einem Strukturwandel. Ziel dieses Werkes - zugleich Festschrift für den langjährigen Direktor des Deutschen Bergbau-Museums Bochum, Prof. Dr. Rainer Slotta, - ist es, einen aktuell-kritischen Blick auf den Stand der Montan- und Industriegeschichtsforschung zu werfen. Ausgewiesene Fachleute behandeln dabei Spezialfragen, die fünf übergreifenden Themenblöcken zugeordnet sind: - Montangeschichte - Perspektiven und Stand der

Forschung - Quellen der Montangeschichte - Aspekte und Beispiele der Dokumentation -

Industriearchäologie und Denkmalpflege im und um den Bereich des Montanwesens - aktuelle Beispiele - Montan- und Industriegeschichte im Museum - Anforderungen und Positionen - Montanwesen in Kunst und Tradition

Archaeometallurgy in Global Perspective - Benjamin W. Roberts 2014-01-07

The study of ancient metals in their social and cultural contexts has been a topic of considerable interest in archaeology and ancient history for decades, partly due to the modern dependence on technology and man-made materials. The formal study of Archaeometallurgy began in the 1970s-1980s, and has seen a recent growth in techniques, data, and theoretical movements. This comprehensive sourcebook on Archaeometallurgy provides an overview of earlier research as well as a review of modern techniques, written in an approachable way. Covering an extensive range of archaeological time-periods and regions, this volume will be a valuable resource for those studying archaeology worldwide. It provides a clear, straightforward look at the available methodologies, including: • Smelting processes • Slag analysis • Technical Ceramics • Archaeology of Mining and Field Survey • Ethnoarchaeology • Chemical Analysis and Provenance Studies • Conservation Studies With chapters focused on most geographic regions of Archaeometallurgical inquiry, researchers will find practical applications for metallurgical techniques in any area of their study. Ben Roberts is a specialist in the early metallurgy and later prehistoric archaeology of Europe. He was the Curator of the European Copper and Bronze Age collections at the British Museum between 2007 and 2012 and is now a Lecturer in Prehistoric Europe in the Department of Archaeology at the Durham University, UK. Chris Thornton is a specialist in the ancient metallurgy of the Middle East, combining anthropological theory with archaeometrical analysis to understand the development and diffusion of metallurgical technologies throughout Eurasia. He is currently a Consulting Scholar of the University of Pennsylvania Museum, where he received his PhD in 2009, and the Lead Program Officer of research grants at the National Geographic Society.

Biodiversity of Fossils in Amber from the Major World Deposits - David Penney 2010

Proceedings of the Prehistoric Society for ... - 2007

Studia dipterologica - 2003

Analytiker-Taschenbuch - Helmut Günzler 2013-09-03

Das Analytiker-Taschenbuch bietet mit seinen sehr aktuellen und praxisbezogenen Beiträgen zu Grundlagen, Methoden und Anwendungen analytisch-chemischer Verfahren eine wahre Fundgrube für alle Praktiker in den Bereichen Analytische Chemie, Lebensmittel- und Umweltchemie, Klinische Chemie, Werkstoffforschung und Biotechnologie. Die komprimierte Darstellung und die bewusst ausgewählten Literaturangaben ermöglichen dem Spezialisten ein effizientes Einarbeiten und Adaptieren der Methodik und dem Nicht-Spezialisten einen schnellen Überblick. Den Schwerpunkt des Bandes bilden die analytische Echtheitsbewertung natürlicher Duft- und Aromastoffe mittels Isotop-Ratio-MS und CGC, die Kapillarelektrophorese sowie Elutions- und Extraktionsverfahren für mobile Kontaminanten in Feststoffen. Archäologisches Korrespondenzblatt - 2005

Northern Gold - Audron? Bliujien? 2011-11-11

This study presents a systematic analysis of the huge, and in most cases, completely new archaeological evidence for amber from Lithuania and the surrounding regions. A comprehensive synthesis of archaeological evidence and written sources provides an opportunity to develop new viewpoints about the sources of amber, extraction methods and amber-wearing.

Infrared Spectroscopy - Theophanides Theophile 2012-04-25

The present book is a definitive review in the field of Infrared (IR) and Near Infrared (NIR) Spectroscopies, which are powerful, non invasive imaging techniques. This book brings together multidisciplinary chapters written by leading authorities in the area. The book provides a thorough overview of progress in the field of applications of IR and NIR spectroscopy in Materials Science, Engineering and Technology. Through a presentation of diverse applications, this book aims at bridging various disciplines and provides a platform for collaborations among scientists.

Ancient Carved Ambers in the J. Paul Getty Museum - Faya Causey 2020-01-07

A comprehensive overview of ancient ambers, the only such book in English, is now revised. First published in 2012, this catalogue presents fifty-six Etruscan, Greek, and Italic carved ambers from the Getty Museum's collection—the second largest body of this material in the United States and one of the most important in the world. The ambers date from about 650 to 300 BC. The catalogue offers full description of the pieces, including typology, style, chronology, condition, and iconography. Each piece is illustrated. The catalogue is preceded by a general introduction to ancient amber (which was also published in 2012 as a stand-alone print volume titled *Amber and the Ancient World*). Through exquisite visual examples and vivid classical texts, this book examines the myths and legends woven around amber—its employment in magic and medicine, its transport and carving, and its incorporation into jewelry, amulets, and other objects of prestige. This publication highlights a group of remarkable amber carvings at the J. Paul Getty Museum.

Amber - Andrew Ross 1998

Amber has captured the human imagination for centuries, as amulets, ritual cups, and beads dating back 10,000 years attest. It is a fascinating substance, one that offers a unique intersection of the fields of paleontology, botany, entomology, and mineralogy. The fossilized resin of ancient trees, amber preserves organic material—most commonly insects and other invertebrates—and with it the shape and surface detail that are usually obliterated or hopelessly distorted during the mineralization we associate with fossils. To look at an ant or a bee caught in amber is to look not at an organism that has been turned to stone, but at the actual remains of an insect that lived hundreds of millions of years ago, remains that retain an uncanny semblance of life. Amber also offers clues to the evolution of certain behaviors, capturing such interactions as parasitism—a fruit fly with a parasitic mite still attached to it—or mutualism—a bubble of gas indicating the presence of beneficial bacteria in the gut of a termite. Unique to this book are identification keys to the most common insect inclusions as well as practical advice on how to identify all-too-common fakes. Amber will bring the study of this and its inclusions within reach of anyone with access to amber and a good magnifying glass.

Zeitschrift der Deutschen Gesellschaft für Geowissenschaften - 2005

Mobility, Meaning and Transformations of Things - Hans Peter Hahn 2013-01-31

Things travel around the globe: they are shipped as mass consumer goods, or transported as souvenirs or gifts. There are infinite ways for things to be mobile, not only in the era of globalisation but since the beginning of time, as the earliest traces of long distance trading show. This book investigates the mobility of things from archaeological and anthropological perspectives. Material Objects are characterised by temporal continuity, embodying a prior existence with lingering effects. Yet the material continuity disguises the transformations they may undergo, which only become evident upon closer examination. Objects are in perpetual flux, leaving visible traces of their age, usage, and previous life. While travelling through time, objects also circulate through space, and their spatial mobility alters their meaning and use with respect to new cultural horizons. As objects transform through time and space, so does the value attributed to them. Mapping out itineraries of value in the realm of the material, allows us to grasp the nature of a given social formation through the shape and meaning taken on by its valued 'stuff'. It also

provides insights into the nature of materiality, through the value ascribed to objects at a given point in time and space. This edited volume brings together studies of material culture, materiality and value, with regard to the mobility of objects, with the aim of tracing the ways in which societies constitute their valued objects and how the realm of the material reflects upon society.

The Central European Magdalenian - Andreas Maier 2015-09-09

This monograph on the Central European Magdalenian aims to provide a comprehensive overview of the archaeological record of this period. It sheds new light on five regional groups between the Rhône valley to the west and the Vistula-valley to the east, which existed roughly between 20,000 and 14,000 years ago. Readers will discover that these groups are characterized with regard to their environmental setting (including faunal and vegetational aspects), lithic raw material and mollusk shell procurement, typology, technology and artesian craftworks. The work also explores an alternative interpretation of bidirectional recolonization from both Franco-Cantabria and Eastern Central Europe after the Last Glacial Maximum. This book will appeal to researchers and scholars in archaeology and cognate fields.

Hallesches Jahrbuch für Geowissenschaften - 2002

Metallurgica Antiqua - Hans-Gert Bachmann 1998

Zikaden - Werner E. Holzinger 2002

Amber - Rachel King 2022-08-29

Spanning centuries and continents, a beautifully illustrated history of humanity's enduring enthrallment with a seemingly banal substance: petrified tree sap, or amber. *Amber: From Antiquity to Eternity* is a history of human engagement with amber across three millennia. The book vividly describes our conceptions, stories, and political and scholarly disputes about amber, as well as issues of national and personal identity, religion, art, literature, music, and science. Rachel King rewrites amber's history for the twenty-first century, tackling thorny ethical and moral questions regarding humanity's relationship with amber in the past, as well our connection with it today. With the Earth facing unprecedented challenges, amber—the natural time capsule, and preserver of key information about the planet's evolutionary history—promises to offer invaluable insights into what comes next.

Things from the Town - Dagfinn Skre 2011-12-15

In this third volume deriving from the 2000-2003 excavations of the Viking town of Kaupang, a range of artefacts is presented along with a discussion of the town's inhabitants: their origins, activities, and trading connections. The main categories of artefact are metal jewellery and ornaments, gemstones, vessel glass, pottery, finds of soapstone, whetstones, and textile-production equipment. The artefacts are described and dated, and their areas of origin discussed. The volume is lavishly illustrated. An exceptional wealth and diversity of artefacts distinguishes sites such as Kaupang from all other types of site in the Viking World. Above all, they reflect the fact that a large population of some 400-600 people lived closely together in the town, engaged in a comprehensive range of production and trade. The stratigraphically distinct layers from the first half of the 9th century allow us to put precise dates to the finds, and to the buildings and evidence of activities associated with them. The finds and structural remains make it possible to identify the activities that took place within the six buildings excavated. We can distinguish between some buildings that were only temporarily in use and others that were permanently occupied. Several of the temporary buildings were used by a variety of craftsmen while those under permanent occupation were houses, and only to a secondary degree, workshops. Throughout the life of the town from c. AD 800-930, trade links with southern Scandinavia, the Baltic, and the Irish Sea would appear to have been strong. In the earliest phases of the town there was considerable trade with the Frisian regions, probably with Dorestad, but this link faded markedly in the second half of the 9th century, probably because of the abandonment of Dorestad. Within what is now Norway, Kaupang seems to have been supplied with goods from the interior of eastern Norway. Goods from around the western coasts of Norway, however, are practically invisible. Finds of personal equipment show that the inhabitants of the town were of diverse origins. Many of them were from southern and western Scandinavia, but there were also Frisians there. One house can be

identified as that of a Frisian household engaged in trade. There were also Slavs in Kaupang, although it is not clear whether they were long-term residents.

Ancient Carved Ambers in the J. Paul Getty Museum - Faya Causey 2020-01-07

First published in 2012, this catalogue presents fifty-six Etruscan, Greek, and Italic carved ambers from the Getty Museum's collection—the second largest body of this material in the United States and one of the most important in the world. The ambers date from about 650 to 300 BC. The catalogue offers full description of the pieces, including typology, style, chronology, condition, and iconography. Each piece is illustrated. The catalogue is preceded by a general introduction to ancient amber (which was also published in 2012 as a stand-alone print volume titled *Amber and the Ancient World*). Through exquisite visual examples and vivid classical texts, this book examines the myths and legends woven around amber—its employment in magic and medicine, its transport and carving, and its incorporation into jewelry, amulets, and other objects of prestige. This publication highlights a group of remarkable amber carvings at the J. Paul Getty Museum.

Amber and the Ancient World - Faya Causey 2011

"Amber has fascinated mankind since the Palaeolithic era. This book examines the myths and legends woven around amber - its employment in magic and medicine, its transport and carving, and its incorporation into jewellery, amulets, and other objects of prestige"--Publisher's description.

Proceedings of the 2nd Congress on Palaeoentomology "Fossil Insects", Kraków, Poland, 5-9 September, 2001 - Ewa Krzemińska 2003

Bitterfelder Bernstein versus baltischer Bernstein - Jochen Rascher 2008

Mitteleuropäische Bernsteinfunde von der Frühbronze- bis zur Frühlatènezeit - Christa Stahl 2006

Natur und Museum - 1998

List of members in v. 1-52; 1869/70-1921/22.

Bernstein - Tränen der Götter - Michael Ganzelewski 1996

Zeitschrift Für Kristallographie - 2000

El-Ahwat, A Fortified Site from the Early Iron Age Near Nahal 'Iron, Israel - Adam Zertal 2011-10-28

This report presents the findings of a unique archaeological site in central Israel. The site is a fortified city, possibly from the Sea-Peoples Shardana, that contains intriguing architecture and many Egyptian finds.

The Egyptian finds specifically indicate that it may have been an Egyptian stronghold with foreign mercenaries.

The Amber Lands in the Time of the Roman Empire - Vladimir I. Kulakov 2005

This work is primarily devoted to the history of the Amber Lands in Roman times. It is based on archaeological data dating back to the beginning of the 2nd millennium AD, and studies the local material and culture of this region. Geographically, the Amber Lands include the western outlying district of the southeast sector of the Baltic Sea littoral, or oSoutheast Baltico. This part of Central Europe, limited by the lower reaches of the River Vistula in the west, and the Neman in the east, has a complex landscape formed in the Late Glacial. Dating to this historical period are the amber-bearing layers of glauconit (obblue groundo), covered by a mass of sandy soils carried by the glacier sweeping in from east Europe approximately 2 million years ago.

Jahresschrift für die Vorgeschichte der sächsisch-thüringischen Länder - 1998

Terrestrial and Inland Water Environment of the Kaliningrad Region - Vladimir A. Gritsenko 2018-03-09

This volume concisely and systematically presents our current knowledge of the terrestrial environment and inland water resources in the Kaliningrad Region. The 22 chapters, including an introduction and a conclusion, are based on observational data; scientific literature, mainly published in Russian; and the authors' long-standing experience in this area of research. The book is intended for specialists working in various fields of environmental sciences and ecology; water resources and management; land reclamation and agriculture; and international cooperation in the Baltic Sea Region. This is the first of four volumes on Environmental Studies in the Kaliningrad Region. The other three volumes, to be published in the coming years, will be devoted to the physical oceanography, geocology and bioecology of the Southeastern Baltic Sea.

Annales Zoologici - 2000

Innovation - 2002