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Green Fashion CRC Press

This publication introduces conservation techniques and research outcome of selected conservation projects for paper and textile objects. This publication introduces conservation techniques and research outcome of selected conservation projects for paper and textile objects. It compiles various kinds of resource on conservation treatment of paper and textile objects such as paintings ancient documents and costumes. It consists of essays on techniques and materials of conservation treatment, scientific analysis, and storage methods with case studies of previous conservation treatments to

display general practice of conserving paper and textile objects in Korea. Case studies have been selected among previous treatments executed by major conservation institutes such as National Research Institute of Cultural Heritage, and which recorded information clearly on materials and techniques applied to the artifacts during conservation process in written documents. FORWARD & CONTENTS I. PAPERS II. TEXTILES III. ESSAYS APPENDIX

**Low-cost Nanomaterials** BoD – Books on Demand

This book will cover the most recent progress on the use of low-cost nanomaterials and development of low-cost/large scale processing techniques for greener and more efficient energy related applications, including but not limited to solar cells, energy storage, fuel cells, hydrogen generation, biofuels, etc. Leading researchers will be invited to author chapters in the field with their expertise. Each chapter will provide general

introduction to a specific topic, current status of research and development, research challenges and outlook for future direction of research. This book aims to benefit a broad readership, from undergraduate/graduate students to researchers working on renewable energy.

**Handbook of Polymer Nanocomposites. Processing, Performance and Application** CRC Press

Delving into the development of plasmonic nanosensors to detect toxic heavy metal ions in aqueous media, this book explores a significant and burgeoning branch of nanosensor technology based on plasmon resonance and serves as a guide for conducting research in this area. All types of nanosensors for water treatment and detection of heavy metals are also introduced. **Plasmonic Nanosensors for Detection of Aqueous Toxic Metals** provides up-to-date data upon which researchers and ecologists, industrialists, and academicians can build to create a variety of plasmonic nanosensors. This book also covers paper-based devices based on plasmon for quantifying toxic metals in water and considers important applications of different plasmon-based nanomaterials—graphene, core-shell, quantum dots, nanoporous membrane, carbon nanotubes, and nanofibers. It is an accessible resource for all those involved in the field of nanosensors and their applications and can pave the way for a better understanding of nanosensor technology with regard to toxic metals. Key features: Gives an in-depth account of the extraordinary optical property at the nanoscale and its use in sensing Offers up-to-date study and practical results for academia, researchers, and engineers working in water treatment and purification Provides sensing application of thematic nanomaterials such as quantum dots and core-shell

**Microwave-assisted Polymer Synthesis** CUP Archive

The series **Advances in Polymer Science** presents critical reviews of the present and future trends in polymer and biopolymer science. It covers all areas of research in polymer and biopolymer science including chemistry, physical chemistry, physics, material science. The thematic volumes are addressed to scientists, whether at universities or in industry, who wish to keep abreast of the important advances in the covered topics. **Advances in Polymer Science** enjoys a longstanding tradition and good reputation in its community. Each volume is dedicated to a current topic, and each review critically surveys one aspect of that topic, to place it within the context of the volume. The volumes typically summarize the significant developments of the last 5 to 10 years and discuss them critically, presenting selected examples, explaining and illustrating the important principles, and bringing together many important references of primary literature. On that basis, future research directions in the area can be discussed. **Advances in Polymer Science** volumes thus are important references for every polymer scientist, as well as for other scientists interested in polymer science - as an introduction to a neighboring field, or as a compilation of detailed information for the specialist. Review articles for the individual volumes are invited by the volume editors. Single contributions can be specially commissioned.

**Readership:** Polymer scientists, or scientists in related fields interested in polymer and biopolymer science, at universities or in industry, graduate students

*Disposable Electrochemical Sensors for Healthcare Monitoring* ScholarlyEditions

**SPIE Milestones** are collections of seminal papers from the world literature covering important discoveries and developments in optics and photonics.

**Paper Trade Journal** CRC Press

This book deals with the important aspects of green fashion including?

**Animal Welfare in Ethical Fashion,**

?Sustainable Processing of

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Textiles, Sustainable design case studies, Wool Composting, Consumer behaviour in sustainable clothing market, industrial case studies related to green fashion, etc. *Silver Nanoparticles* Universal-Publishers

This book features reviews by leading experts on the methods and applications of modern forms of microscopy. The recent awards of Nobel Prizes awarded for super-resolution optical microscopy and cryo-electron microscopy have demonstrated the rich scientific opportunities for research in novel microscopies. Earlier Nobel Prizes for electron microscopy (the instrument itself and applications to biology), scanning probe microscopy and holography are a reminder of the central role of microscopy in modern science, from the study of nanostructures in materials science, physics and chemistry to structural biology. Separate chapters are devoted to confocal, fluorescent and related novel optical microscopies, coherent diffractive imaging, scanning probe microscopy, transmission electron microscopy in all its modes from aberration corrected and analytical to in-situ and time-resolved, low energy electron microscopy, photoelectron microscopy, cryo-electron microscopy in biology, and also ion microscopy. In addition to serving as an

essential reference for researchers and teachers in the fields such as materials science, condensed matter physics, solid-state chemistry, structural biology and the molecular sciences generally, the Springer Handbook of Microscopy is a unified, coherent and pedagogically attractive text for advanced students who need an authoritative yet accessible guide to the science and practice of microscopy. *Molecularly Imprinted Polymer Composites* CRC Press

Rock Mechanics for Natural Resources and Infrastructure Development contains the proceedings of the 14th ISRM International Congress (ISRM 2019, Foz do Iguaçu, Brazil, 13-19 September 2019). Starting in 1966 in Lisbon, Portugal, the International Society for Rock Mechanics and Rock Engineering (ISRM) holds its Congress every four years. At this 14th occasion, the Congress brings together researchers, professors, engineers and students around contemporary themes relevant to rock mechanics and rock engineering. Rock Mechanics for Natural Resources and Infrastructure Development contains 7 Keynote Lectures and 449 papers in ten chapters, covering topics ranging from fundamental research in rock mechanics, laboratory and experimental field studies, and petroleum, mining and civil

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engineering applications. Also included are the prestigious ISRM Award Lectures, the Leopold Muller Award Lecture by professor Peter K. Kaiser. and the Manuel Rocha Award Lecture by Dr. Quinghua Lei. Rock Mechanics for Natural Resources and Infrastructure Development is a must-read for academics, engineers and students involved in rock mechanics and engineering. Proceedings in Earth and geosciences - Volume 6 The 'Proceedings in Earth and geosciences' series contains proceedings of peer-reviewed international conferences dealing in earth and geosciences. The main topics covered by the series include: geotechnical engineering, underground construction, mining, rock mechanics, soil mechanics and hydrogeology.

### **Scientific Investigation of Copies, Fakes and Forgeries**

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Microbial defacement and degradation of artistic or historic artifacts is a worldwide problem affecting all countries regardless of their history, geographical location, or economic conditions. This is the first comprehensive study of the role of microbial colonization on the degradation of different cultural artifacts (from buildings to books, wall paintings, textiles, sculptures and glass) and of

the investigations into the compounds utilized to control microbial invasion. The book focuses on three main areas: the identification of the microorganisms which cause structural damage; methods to reduce or prevent microbial colonization and damage; and the use of microorganisms for the protection and bioremediation of cultural artifacts.

### **Census of Manufactures, 1947**

Routledge

Materials and Technologies for Energy Efficiency is a compilation of research papers whose main aim is to provide an opportunity to gather knowledge about the latest developments and advances in materials and processes involving energy. This volume consists of a series of works which were presented at The Energy & Materials Research Conference (EMR2015), held in Madrid, Spain in February 2015. This compilation of more than 50 papers has been written by researchers from all over the world. Papers focus on topics including biomass and biofuels; solar energy; fuel cells; energy storage, etc. The book is recommended for researchers from a broad range of academic disciplines related to energy and materials. We hope that this

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set of papers would be useful to stimulate further discussion on energy and materials research.

*Rowell's American Newspaper Directory* Springer

Laser systems and advanced optical techniques offer new solutions for conservation scientists, and provide answers to challenges in Conservation Science. *Lasers in the Conservation of Artworks* comprises selected contributions from the 7th International Conference on Lasers in the Conservation of Artworks (LACONA VII, Madrid, Spain, 17-21 September

**Scanning Electron Microscopy** Springer

This handbook focuses on physical paper testing in the laboratory and online. Divided into five parts, it highlights assays for paper interactions with light, moisture, electricity, and heat. Topics expanded upon include laboratory testing procedures; microscopy analysis and paper surface properties; liquid and gas penetration; electrical and thermal interactions; and methods of surface characterization.

*Springer Handbook of Microscopy* MDPI

Issues in Otorhology, Audiology, and Speech Pathology Research and Practice: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Dysphagia. The editors have built Issues in Otorhology, Audiology, and Speech Pathology Research and Practice: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the

information about Dysphagia in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Otorhology, Audiology, and Speech Pathology Research and Practice: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

*Journal of Pulp and Paper Science Society of Photo Optical*

Volume B forms one volume of a Handbook about Polymer Nanocomposites. Volume B deals with Carbon nanotube based polymer composites. The preparation, architecture, characterisation, properties and application of polymer nanocomposites are discussed within some 25 chapters. Each chapter has been authored by experts in the respective field.

**Lasers in the Conservation of Artworks** Springer Science & Business Media

The Journal of Manufacturing and Materials Processing (JMMP) aims to provide an international forum for the documentation and dissemination of recent, original,

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and significant research studies in the analysis of processes, equipment, systems, and materials related to material heat treatment, solidification, deformation, addition, removal, welding, and accretion for the industrial fabrication and production of parts, components, and products. The JMMP was established in 2017 and has published more than 300 contributions. It has been listed in the ESCI, Inspec (IET), and Scopus (Elsevier). In celebration of the anniversary of the JMMP, the Editorial Office has put together this Special Issue, which includes several representative papers that reflect the vibrant growth and dynamic trend of research in this field.

*Encyclopedia of Plasma Technology - Two Volume Set*

Princeton University Press  
The author shows us that Kramers's remarkable and diverse work makes him at least the equal of such celebrated physicists as Fermi and Landau. He takes us through Kramers's groundbreaking research in such subjects as quantum theory, quantum electrodynamics, statistical mechanics, and solid-state physics.

*Handbook of Composites* Springer  
Science & Business Media  
Vols. for 1968-77 include the proceedings of the annual Scanning Electron Microscope Symposium, sponsored by the IIT Research Institute, and other workshops.

Handbook of Polymers in Paper Conservation Wipf and Stock Publishers

Schlabach describes and

interprets the involvement of the Mennonite Church in mission from 1863 to 1944. Included is information on the theological and sociological changes that took place within the Mennonite church during this time period. Readers see the growth and application of the mission idea and of missionary concepts. Ultimately it raises questions of what version of the gospel Christians ought to be preaching.

*Sessional Papers* Springer  
*Advanced Water Treatment: Adsorption* discusses the application of adsorption in water purification. The book reviews research findings on the preparation of five different nano/microcellulose-based adsorbents, their characterization, the study of adsorption kinetics and isotherms, the determination of adsorption mechanisms, and an evaluation of adsorbents' regeneration properties. The book describes modification microfibrillated cellulose (MFC), the use of succinic anhydride modified mercerized nanocellulose, and aminosilane and hydroxyapatite modified nanostructured MFC for the removal of heavy metals from aqueous solutions. Final sections describe the use of aminosilane, epoxy and hydroxyapatite modified MFC as a promising alternative

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for H<sub>2</sub>S removal from aqueous solutions, along with new findings on the adsorption properties of carbonated hydroxyapatite modified MFC as multifunctional adsorbent for the removal of both cations and anions ions from water. Includes the most recent research on advanced water treatment by adsorption Provides the latest updates on novel absorbents for water purification Describes REE removal using various absorbents Covers a wide range of methods and their integration

**Master of Modern Physics** Springer  
Technical plasmas have a wide range of industrial applications. The Encyclopedia of Plasma Technology covers all aspects of plasma technology from the fundamentals to a range of applications across a large number of industries and disciplines. Topics covered include nanotechnology, solar cell technology, biomedical and clinical applications, electronic materials, sustainability, and clean technologies. The book bridges materials science, industrial chemistry, physics, and engineering, making it a must have for researchers in industry and academia, as well as those working on application-oriented plasma technologies. Also Available Online This Taylor & Francis encyclopedia is also available through online subscription, offering a variety of extra benefits for researchers, students, and librarians,

including: Citation tracking and alerts Active reference linking Saved searches and marked lists HTML and PDF format options Contact Taylor and Francis for more information or to inquire about subscription options and print/online combination packages. US: (Tel) 1.888.318.2367; (E-mail) e-reference@taylorandfrancis.com International: (Tel) +44 (0) 20 7017 6062; (E-mail) online.sales@tandf.co.uk