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Thermoelectric Bi₂Te₃ Nanomaterials Oliver Eibl 2015-05-26 Edited by the initiators of a priority research program funded by the German Science Foundation and written by an international team of key players, this is the first book to provide an overview of nanostructured thermoelectric materials - putting the new developments into perspective alongside conventional thermoelectrics. As such, it reviews the current state of research on thermoelectric Bi₂Te₃ nanomaterials, covering advanced methods of materials synthesis, characterization of materials structures and thermoelectric properties, as well as advances in the theory and modeling of transport properties. Nanomaterials-based thermoelectric devices are also discussed with respect to their properties, their suitability for different energy generation applications, and in light of their commercialization potential. An outlook on the chances, challenges, and future directions of research rounds off the book, giving a straightforward account of the fundamental and technical problems - plus ways to overcome them.

Cinema, Trance and Cybernetics Ute Holl 2017-03-15 We've all had the experience of watching a film and feeling like we've been in a trance. This book takes that experience seriously, explaining cinema as a cultural technique of trance, one that unconsciously transforms our perceptions. Ute Holl moves from anthropological and experimental cinema through nineteenth-century psychological laboratories, which she shows developed technique of testing, measuring, and classifying the mind that can be seen as a prehistory of cinema, one that allows us to see the links among cinema, anthropology, psychology, and cybernetics."

As If By Design Edward A. Wasserman 2021-07-22 The eureka moment is a myth. It is an altogether naïve and fanciful account of human progress. Innovations emerge from a much less mysterious combination of historical, circumstantial, and accidental influences. This book explores the origin and evolution of several important behavioral innovations including the high five, the Heimlich maneuver, the butterfly stroke, the moonwalk, and the Iowa caucus. Such creations' striking suitability to the situation and the moment appear ingeniously designed with foresight. However, more often than not, they actually arise 'as if by design.' Based on investigations into the histories of a wide range of innovations, Edward A. Wasserman reveals the nature of behavioral creativity. What surfaces is a fascinating web of causation involving three main factors: context, consequence, and coincidence. Focusing on the process rather than the product of innovation elevates behavior to the very center of

the creative human endeavor.

Civil Jurisdiction and Judgments Adrian Briggs 2015-06-12 Now in a fully updated sixth edition, this book is an established treatise in the field of civil jurisdiction and judgments. It states, analyses, illuminates and evaluates the law of civil jurisdiction and the enforcement of foreign judgments in English law, with this new edition taking into account the implications of the new Brussels I Regulation recast, Regulation (EU) 1215/2012, as well as the great number of developments in the case law which have taken place since 2009. This book looks in detail at the jurisdictional rules put in place by the (recast) Brussels I Regulation the common law rules of jurisdiction the principles according to which that jurisdiction will or will not be exercised the extent to which proceedings before a foreign court may be assisted or impeded obtaining interim and interlocutory relief recognition and enforcement of foreign judgments This text is an authoritative and comprehensive reference for all legal professionals working in commercial law across jurisdictions.

Gun Women Mary Zeiss Stange 2000-09 Addresses the issues surrounding the increasingly larger number of females buying guns for sport, work, and protection, and discusses society's assumptions of female weakness threatened by female gun ownership.

Canon EOS Rebel T7/2000D For Dummies Julie Adair King 2018-08-21 A photography class—in a book! Your Canon EOS Rebel T7/1400D provides enough camera power to take the pro-style shots you've dreamed of shooting—and this book shows you how. Canon EOS Rebel T7/1400D For Dummies bridges the gap between taking quick shots in auto mode and taking charge of the settings that offer full control of your pictures' focus, color, and light balance. Take a peek inside to discover all the expert tips and tricks to take brag-worthy portraits, action shots, and close-ups—in a flash. No matter your subject, you'll get all the know-how and instruction you need to get the picture-perfect shot every time. Get started with automatic and creative modes Take full control of exposure to achieve better results Understand the settings that control light and color Follow steps on properly using flash Even if you've never picked up a DSLR camera, this friendly guide makes it fast and easy to unlock all your powerful Canon has to offer!

A History of the Photographic Lens Rudolf Kingslake 1989-11-11 Contents: Introduction. Meniscus Landscape Lenses; Portrait Lenses; Early Double Objectives; Optical Glass; The First Anastigmats; The Triplet Lens and Its Modifications; Meniscus Anastigmats; Telephoto Lenses; Reversed Telephoto Lenses; Varifocal and Zoom Lenses; Catadioptric (Mirror) Systems; Lens Attachments; Brief Biographies. Appendix: A Glossary of Optical Terms. Index. In this book, author Kingslake traces the historical development of the various types of lenses from Daguerre's invention of photography in 1839 through lenses commonly used today. Provides valuable information to anyone interested in the evolution of lens design.

The Secret History of STASI Spy Cameras H. Keith Melton 2020-10-28 This lavishly illustrated and authoritative book presents the secret history of Stasi and Warsaw Pact subminiature spy cameras used during the Cold War. It is a history that could only have been written through the collaboration of veteran Stasi technical intelligence officers and the world's foremost historians on Cold War spy cameras and tradecraft. With more than 450 photographs, the book reveals the history, development, and operational use of more than 70 secret cameras as used by one of the world's most formidable intelligence services--East German Stasi, or MfS--for secretly copying documents, and for surveillance and compromise. Every major camera system used by the Stasi is covered. A bonus at the end of the book is an exhaustive glossary of Stasi and Warsaw Pact photographic systems and optical devices. This

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book is a must-have for camera collectors, military enthusiasts, historians, and counterintelligence officers.

Scientific American Inventions and Discoveries Rodney Carlisle 2005-01-28 A unique A-to-Z reference of brilliance in innovation and invention Combining engagingly written, well-researched history with the respected imprimatur of Scientific American magazine, this authoritative, accessible reference provides a wide-ranging overview of the inventions, technological advances, and discoveries that have transformed human society throughout our history. More than 400 entertaining entries explain the details and significance of such varied breakthroughs as the development of agriculture, the "invention" of algebra, and the birth of the computer. Special chronological sections divide the entries, providing a unique focus on the intersection of science and technology from early human history to the present. In addition, each section is supplemented by primary source sidebars, which feature excerpts from scientists' diaries, contemporary accounts of new inventions, and various "In Their Own Words" sources. Comprehensive and thoroughly readable, Scientific American Inventions and Discoveries is an indispensable resource for anyone fascinated by the history of science and technology. Topics include: aerosol spray * algebra * Archimedes' Principle * barbed wire * canned food * carburetor * circulation of blood * condom * encryption machine * fork * fuel cell * latitude * music synthesizer * positron * radar * steel * television * traffic lights * Heisenberg's uncertainty principle

Histories of Computing in Eastern Europe Christopher Leslie 2019-09-11 This book constitutes the refereed post-conference proceedings of the IFIP WG 9.7 International Workshop on the History of Computing, HC 2018, Held at the 24th IFIP World Computer Congress, WCC 2018, in Poznań, Poland, in September 2018. The 16 revised full papers were carefully reviewed and selected from 20 submissions. They reflect academic approaches to history along with the expertise of museum and other public history professionals as well as the experience of computing and information science practitioners. The papers are organized in the following sections: Eastern Europe, Poland, Soviet Union, CoCom and Comecon; analog computing, and public history.

The Encyclopaedia of Sports Medicine: An IOC Medical Commission Publication, The Olympic Textbook of Science in Sport Ronald J. Maughan 2009-01-26 This new volume in the Encyclopaedia of Sports Medicine series, published under the auspices of the International Olympic Committee, delivers an up-to-date, state of the art presentation of the scientific aspects of conditioning, injury prevention, and competition. The book covers the key areas of scientific knowledge in sport and is divided into: physiology and biochemistry; nutrition; anthropometry; immunology; cell biology; biomechanics, engineering and ergonomics; psychology; pharmacology; limitations to performance; special populations; and exercise and health. Presented in a clear style and format, The Olympic Textbook of Science in Sport, draws on the expertise of an international collection of contributors who are recognized as leaders in their respective fields. It will be indispensable for all sport scientists and medical doctors who serve athletes and sports teams and is an invaluable reference for students of sport and exercise science.

Carl Zeiss Kamera-Register Bernd K. Otto 2013-09-01

Tau oligomers Jesus Avila 2014-08-18 Neurofibrillary tangles (NFTs) composed of intracellular aggregates of tau protein are a key neuropathological feature of Alzheimer's Disease (AD) and other neurodegenerative diseases, collectively termed tauopathies. The abundance of NFTs has been reported to correlate positively with the severity of cognitive impairment in AD. However, accumulating evidences derived from studies of experimental models have identified that NFTs themselves may not

be neurotoxic. Now, many of tau researchers are seeking a “toxic” form of tau protein. Moreover, it was suggested that a “toxic” tau was capable to seed aggregation of native tau protein and to propagate in a prion-like manner. However, the exact neurotoxic tau species remain unclear. Because mature tangles seem to be non-toxic component, “tau oligomers” as the candidate of “toxic” tau have been investigated for more than one decade. In this topic, we will discuss our consensus of “tau oligomers” because the term of “tau oligomers” [e.g. dimer (disulfide bond-dependent or independent), multimer (more than dimer), granular (definition by EM or AFM) and maybe small filamentous aggregates] has been used by each researchers definition. From a biochemical point of view, tau protein has several unique characteristics such as natively unfolded conformation, thermo-stability, acid-stability, and capability of post-translational modifications. Although tau protein research has been continued for a long time, we are still missing the mechanisms of NFT formation. It is unclear how the conversion is occurred from natively unfolded protein to abnormally mis-folded protein. It remains unknown how tau protein can be formed filaments [e.g. paired helical filament (PHF), straight filament and twisted filament] in cells albeit in vitro studies confirmed tau self-assembly by several inducing factors. Researchers are still debating whether tau oligomerization is primary event rather than tau phosphorylation in the tau pathogenesis. Inhibition of either tau phosphorylation or aggregation has been investigated for the prevention of tauopathies, however, it will make an irrelevant result if we don't know an exact target of neurotoxicity. It is a time to have a consensus of definition, terminology and methodology for the identification of “tau oligomers”.

The 'Made in Germany' Champion Brands Ugesh A. Joseph 2016-03-09 Germany's economic miracle is a widely-known phenomenon, and the world-leading, innovative products and services associated with German companies are something that others seek to imitate. In The 'Made in Germany' Champion Brands, Ugesh A. Joseph provides an extensively researched, insightful look at over 200 of Germany's best brands to see what they stand for, what has made them what they are today, and what might be transferable. The way Germany is branded as a nation carries across into the branding of its companies and services, particularly the global superstar brands - truly world-class in size, performance and reputation. Just as important are the medium-sized and small enterprises, known as the 'Mittelstand'. These innovative and successful enterprises from a wide range of industries and product / service categories are amongst the World market leaders in their own niche and play a huge part in making Germany what it is today. The book also focuses on German industrial entrepreneurship and a selection of innovative and emergent stars. All these companies are supported and encouraged by a sophisticated infrastructure of facilitators, influencers and enhancers - the research, industry, trade and standards organizations, the fairs and exhibitions and all the social and cultural factors that influence, enhance and add positive value to the country's image. Professionals or academics interested in business; entrepreneurship; branding and marketing; product or service development; international trade and business development policy, will find fascinating insights in this book; while those with an interest in Germany from emerging industrial economies will learn something of the secrets of German success.

Photographer's Guide to the Sony DSC-RX10 IV Alexander S. White 2017-11-29 This book is a complete guide to the Sony Cyber-shot DSC-RX10 IV camera. With this book, author Alexander S. White provides users of the RX10 IV with a manual covering all aspects of the camera's operation. Using a tutorial-like approach, the book shows beginning and intermediate photographers how to accomplish things with the RX10 IV, and explains when and why to use the camera's many features. The book provides details about the camera's shooting modes as well as its menu options for shooting, playback, setup, video, Wi-Fi, and special effects. The book covers all features of the RX10 IV that are new for this model, including its enhanced focusing system with phase detection autofocus; its ability to use a touch screen for focusing and enlarging images in some situations; and a variety of new or enhanced menu

options. The book includes more than 500 color photographs that illustrate the camera's controls, display screens, and menus. The images include photographs taken using the RX10 IV's Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, and action shots; and its Creative Style and Picture Effect menu options, with settings that alter the appearance of images. The book provides concise introductions to topics such as street photography and infrared photography, and explains how to use the camera's Wi-Fi and Bluetooth features to transfer images to a smartphone or tablet, to control the camera from such a device, and to add location information to images. The book includes a full discussion of the video features of the RX10 IV, which can shoot HD and 4K (ultra-HD) movies, with manual control of exposure and focus during recording. The book explains the camera's numerous features for professional-level videography, including Picture Profiles that allow adjustment of settings such as gamma curve, black level, knee, and detail. The book describes steps for recording 4K video to an external video recorder using the "clean" video output from the camera's HDMI port. In three appendices, the book discusses accessories for the RX10 IV, including cases, power sources, remote controls, microphones and external flash units, and includes a list of websites and other resources for further information. The book includes an appendix with "quick tips" on how to take advantage of the camera's features in the most efficient ways possible. This guide to the RX10 IV includes a detailed index, so the reader can quickly locate information about any particular feature or aspect of the camera.

Vaughan & Asbury's General Ophthalmology Paul Riordan-Eva 2007-11-08 The classic reference covering the diagnosis and treatment of all major ophthalmic diseases, as well as neurological and systemic diseases causing visual disturbance-extensively revised and updated Features State-of-the-art coverage of diagnostic techniques and therapeutic interventions for the full range of ophthalmic disorders Chapters dedicated to ophthalmic therapeutics, neuro-ophthalmology, ocular disorders associated with systemic diseases, immunologic diseases of the eye, pediatrics, genetics, preventive ophthalmology and lasers The latest clinical perspectives on such topics as: Treatments for age-related macular degeneration, including anti-VEGF therapies Intraocular steroid injections for retinal diseases Immunomodulatory drugs Treatment of corneal infections Medical and surgical treatments for glaucoma Detailed appendices on visual standards, practical factors in illumination, rehabilitation of the visually handicapped, and special services available to the blind Latest references

Smart Cameras Ahmed Nabil Belbachir 2009-10-20 A smart camera is an integrated machine vision system which, in addition to image capture circuitry, includes a processor, which can extract information from images without need for an external processing unit, and interface devices used to make results available to other devices. This book provides content on smart cameras for an interdisciplinary audience of professionals and students in embedded systems, image processing, and camera technology. It serves as a self-contained, single-source reference for material otherwise found only in sources such as conference proceedings, journal articles, or product data sheets. Coverage includes the 50 year chronology of smart cameras, their technical evolution, the state-of-the art, and numerous applications, such as surveillance and monitoring, robotics, and transportation.

Surveying Instruments Fritz Deumlich 1982

The Porcelain Picture John Towler 1865

Change for the Better Rabbi Eleazer Shlomo Shick Shlit"A 1973-08-22 Change For The BetterBy MohoroshBased Upon the Teachings ofRabbi Nachman of Breslov and of his student Rabbi Nosson of Breslov

Bewegtbilder und Alltagskultur(en) Klaus Schönberger 2017-05-09 Seit Handys und Smartphones mit integrierter Kamera verfügbar sind, werden damit hergestellte Bewegtbilder zunehmend wichtige Artefakte alltäglichen Handelns und Sich-Verhandelns. Auch als Mittel der Alltagsorganisation und -kommunikation haben mit mobilen Geräten wie Smartphones oder GoPro-Kameras aufgenommene (audio-)visuelle Erzeugnisse mittlerweile eine große Bedeutung in ganz unterschiedlichen soziale Kontexten erlangt, sei es dass beim Möbelhausbesuch Fotos als Erinnerungshilfen aufgenommen werden oder Handyvideos zum Zweck der Selbstrepräsentation in den sozialen Netzwerken des Internets veröffentlicht werden. Dieser Band bietet im Themenfeld der Visuellen Kultur zum ersten Mal einen breiten Überblick zu den verschiedenen Bewegtbildpraktiken unter den Bedingungen einer fortschreitender Digitalisierung. Das Spektrum ist breit angelegt und reicht von soziologischen, über filmwissenschaftliche, kulturwissenschaftliche und medienpädagogische bis hin zu archivarischen Fragestellungen. Neben theoretischen Überlegungen zum Amateurfilm und zum Bewegtbild finden sich Aufsätze zu audiovisuellen Darstellungen, zur Produktion und Distribution wie zur Rezeption von Bewegtbildern in Vergangenheit und Gegenwart. Vorgestellt werden diverse Aufnahmegeräte und damit verbundene Praktiken und Ästhetiken - von Super-8- über Video- bis hin zu GoPro-Kameras und Drohnen. Thematische Zugänge bilden zudem der Familienfilm und jugendkulturelle Filmpraktiken sowie Möglichkeiten der medienpädagogischen Arbeit mit Handyfilmen. Zudem wird in mehreren Beiträgen exemplarisch vorgeführt, wie historische Amateurfilme auf gesellschaftliche Entwicklungen hin befragt werden können. Darüber hinaus wird diskutiert, inwiefern diese alltagskulturelle Entwicklung und der Bedeutungszuwachs von Bewegtbildpraktiken Ausdruck einer allgemeinen Tendenz einer gesellschaftlichen Ästhetisierung ist.

Woman the Hunter Mary Zeiss Stange 1997 When women take up weapons for the explicit purpose of killing, they are shattering one of Western culture's oldest taboos. Experienced hunter and teacher Mary Zeiss Stange demonstrates how false assumptions about women and about hunting permeate contemporary thought. Stange's book is a profound critique of our society's evasion of issues that make us uncomfortable. Bibliography. Index.

Diatoms Joseph Seckbach 2019-07-01 The aim of this new book series (Diatoms: Biology and Applications) is to provide a comprehensive and reliable source of information on diatom biology and applications. The first book of the series, Diatoms Fundamentals & Applications, is wide ranging, starting with the contributions of amateurs and the beauty of diatoms, to details of how their shells are made, how they bend light to their advantage and ours, and major aspects of their biochemistry (photosynthesis and iron metabolism). The book then delves into the ecology of diatoms living in a wide range of habitats, and look at those few that can kill or harm us. The book concludes with a wide range of applications of diatoms, in forensics, manufacturing, medicine, biofuel and agriculture. The contributors are leading international experts on diatoms. This book is for a wide audience researchers, academics, students, and teachers of biology and related disciplines, written to both act as an introduction to diatoms and to present some of the most advanced research on them.

Deformation and Fracture Behaviour of Polymer Materials Wolfgang Grellmann 2017-07-12 This book covers the most recent advances in the deformation and fracture behaviour of polymer material. It provides deeper insight into related morphology-property correlations of thermoplastics, elastomers and polymer resins. Each chapter of this book gives a comprehensive review of state-of-the-art methods of materials testing and diagnostics, tailored for plastic pipes, films and adhesive systems as well as elastomeric components and others. The investigation of deformation and fracture behaviour using the experimental methods of fracture mechanics has been the subject of intense research during the last decade. In a systematic manner, modern aspects of fracture mechanics in the industrial application of

polymers for bridging basic research and industrial development are illustrated by multifarious examples of innovative materials usage. This book will be of value to scientists, engineers and in polymer materials science.

Brain and Art Bruno Colombo 2019-08-29 This book analyzes and discusses in detail art therapy, a specific tool used to sustain health in affective developments, rehabilitation, motor skills and cognitive functions. Art therapy is based on the assumption that the process of making art (music, dance, painting) sparks emotions and enhances brain activity. Art therapy is used to encourage personal growth, facilitate particular brain areas or activity patterns, and improve neural connectivity. Treating neurological diseases using artistic strategies offers us a unique option for engaging brain structural networks that enhance the brain's ability to form new connections. Based on brain plasticity, art therapy has the potential to increase our repertoire for treating neurological diseases. Neural substrates are the basis of complex emotions relative to art experiences, and involve a widespread activation of cognitive and motor systems. Accordingly, art therapy has the capacity to modulate behavior, cognition, attention and movement. In this context, art therapy can offer effective tools for improving general well-being, quality of life and motivation in connection with neurological diseases. The book discusses art therapy as a potential group of techniques for the treatment of neurological disturbances and approaches the relationship between humanistic disciplines and neurology from a holistic perspective, reflecting the growing interest in this interconnection.

A History of Optical Telescopes in Astronomy Wilson Wall 2018-10-01 This book is uniquely about the relationship between the optical telescope and astronomy as they developed together. It covers the time between the telescope's pivotal invention in the 1600's up to the modern era of space-based telescopes. Over the intervening centuries, there were huge improvements in the optical resolution of telescopes, along with changes in their positioning and nature of application that forever altered the course of astronomy. For a long time, the field was an exclusive club for self-motivated stargazers who could afford to build their own telescopes. Many of these leisure-time scholars left their mark by virtue of their meticulous observations and record keeping. Although they would now be considered amateurs, these figures and their contributions were pivotal and are covered in this book alongside professionals, for the first time giving a complete picture of the history of telescopic science.

Modified Asphalt Jose Luis Rivera Armenta 2018-09-19 Asphalt modification is an important area in the development of new road and pavement materials. There is an urgent demand for road materials that can minimize fracture at low temperatures and increase resistance to deformation at high temperatures. The function of asphalt is to bind aggregate to protect it from water and other harmful agents. In the beginning asphalt was ideal for this purpose, but recently traffic loads have increased and environmental factors have deteriorated more rapidly than before. Asphalt is a byproduct of crude oil in the refining process, and it is considered a complex heterogeneous mixture of hydrocarbons. Asphalt modification has become an important research area, using several methods and new materials as modifiers.

Thomas Muentzer, a Destroyer of the Godless Abraham Friesen 1990 Om den kristne kommunist Thomas Muentzer (ca. 1490-1525)

Machine Tool Metrology Graham T. Smith 2016-04-06 Maximizing reader insights into the key scientific disciplines of Machine Tool Metrology, this text will prove useful for the industrial-practitioner and those interested in the operation of machine tools. Within this current level of industrial-content, this book incorporates significant usage of the existing published literature and valid information obtained

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from a wide-spectrum of manufacturers of plant, equipment and instrumentation before putting forward novel ideas and methodologies. Providing easy to understand bullet points and lucid descriptions of metrological and calibration subjects, this book aids reader understanding of the topics discussed whilst adding a voluminous-amount of footnotes utilised throughout all of the chapters, which adds some additional detail to the subject. Featuring an extensive amount of photographic-support, this book will serve as a key reference text for all those involved in the field.

Cytopreparation Gary Gill 2012-10-19 *Cytopreparation: Principles & Practice* by Gary W. Gill fills a long-standing need for an easy-to-use and authoritative manual on the fundamentals of cytopreparation up-to-and- including microscopy, screening, and data analysis. The text describes in phenomenological terms the most common materials and methods of specimen collection through mounting for gyn, non-gyn, and FNA specimens, as well as the underlying mechanistic bases. The author provides his expertise and information that will empower and enable readers to review and improve their laboratories' cytopreparatory techniques as they apply to the vast majority of specimens. This unique volume provides facts that are not readily available anywhere. *Cytopreparation: Principles & Practice* is intended for everyone associated with, and involved in, making cytologic preparations that are useful for their intended purpose. It will serve as a valuable reference tool for educators in cytology and histology, cytotechnology and histotechnology students, cytotechnologists, cytopreparatory technicians, cytopathologists, anatomical/clinical pathologists, pathology residents and cytopathology fellows.

MWH's Water Treatment John C. Crittenden 2012-06-14 the definitive guide to the theory and practice of water treatment engineering THIS NEWLY REVISED EDITION of the classic reference provides complete, up-to-date coverage of both theory and practice of water treatment system design. The Third Edition brings the field up to date, addressing new regulatory requirements, ongoing environmental concerns, and the emergence of pharmacological agents and other new chemical constituents in water. Written by some of the foremost experts in the field of public water supply, *Water Treatment, Third Edition* maintains the book's broad scope and reach, while reorganizing the material for even greater clarity and readability. Topics span from the fundamentals of water chemistry and microbiology to the latest methods for detecting constituents in water, leading-edge technologies for implementing water treatment processes, and the increasingly important topic of managing residuals from water treatment plants. Along with hundreds of illustrations, photographs, and extensive tables listing chemical properties and design data, this volume: Introduces a number of new topics such as advanced oxidation and enhanced coagulation Discusses treatment strategies for removing pharmaceuticals and personal care products Examines advanced treatment technologies such as membrane filtration, reverse osmosis, and ozone addition Details reverse osmosis applications for brackish groundwater, wastewater, and other water sources Provides new case studies demonstrating the synthesis of full-scale treatment trains A must-have resource for engineers designing or operating water treatment plants, *Water Treatment, Third Edition* is also useful for students of civil, environmental, and water resources engineering.

Trademark and Unfair Competition Conflicts Tim W. Dornis 2017-02-23 This book will be of interest for all jurists doing research and working practically in intellectual property law and international economic law. It should be an element of the base stock for every law school library and specialized law firm. This title is available as Open Access.

Quantitative Imaging in Cell Biology 2014-06-25 This new volume, number 123, of *Methods in Cell Biology* looks at methods for quantitative imaging in cell biology. It covers both theoretical and practical aspects of using optical fluorescence microscopy and image analysis techniques for quantitative

applications. The introductory chapters cover fundamental concepts and techniques important for obtaining accurate and precise quantitative data from imaging systems. These chapters address how choice of microscope, fluorophores, and digital detector impact the quality of quantitative data, and include step-by-step protocols for capturing and analyzing quantitative images. Common quantitative applications, including co-localization, ratiometric imaging, and counting molecules, are covered in detail. Practical chapters cover topics critical to getting the most out of your imaging system, from microscope maintenance to creating standardized samples for measuring resolution. Later chapters cover recent advances in quantitative imaging techniques, including super-resolution and light sheet microscopy. With cutting-edge material, this comprehensive collection is intended to guide researchers for years to come. Covers sections on model systems and functional studies, imaging-based approaches and emerging studies Chapters are written by experts in the field Cutting-edge material

Annually Laminated Lake Sediments Wojciech Tylmann 2020-04-28 The collection of papers presented in this book illustrates the recent progress made in varved sediment research and highlights the large variety of methodological approaches and research directions applied. The contributions cover monitoring of modern sediment fluxes using sediment traps; geochronological and sedimentological analyses of annually laminated lacustrine sediments or varves; and multiproxy investigations, including geochemical and biological proxies as well as spatiotemporal analyses based on multicore studies supported by satellite images and X-ray computed tomography (CT). The scientific issues discuss the influences of hydrological and climatological phenomena on short-term changes in sediment flux, the relationships between biogeochemical (limnological) processes in the water column and the formation of varves, the preservation of environmental signals in varved sediments, and possibilities of synchronizing varved records with other high-resolution environmental archives such as tree rings.

Atlas of Photogrammetric Instruments Vjekoslav Cimerman 1970

Feminist Chronicles, 1953-1993 Toni Carabillo 1993

Zeiss and Photography Lawrence Gubas 2013-12-05 A history of the contributions of the firms of the Carl Zeiss Stiftung with regard to photography

Exakta Cameras 1933-1978 Clement Aguila 2004-02-01 *Exakta Cameras*: This book tells the fascinating story of this pioneering make, through the camera, lenses and accessories, for the benefit of collectors, historians and dealers. It will also appeal to the many enthusiasts who first experienced with their Exakta the versatility of the single lens reflex camera.

Lithium-Ion Batteries: Basics and Applications Reiner Korthauer 2018-08-07 The handbook focuses on a complete outline of lithium-ion batteries. Just before starting with an exposition of the fundamentals of this system, the book gives a short explanation of the newest cell generation. The most important elements are described as negative / positive electrode materials, electrolytes, seals and separators. The battery disconnect unit and the battery management system are important parts of modern lithium-ion batteries. An economical, faultless and efficient battery production is a must today and is represented with one chapter in the handbook. Cross-cutting issues like electrical, chemical, functional safety are further topics. Last but not least standards and transportation themes are the final chapters of the handbook. The different topics of the handbook provide a good knowledge base not only for those working daily on electrochemical energy storage, but also to scientists, engineers and students concerned in modern battery systems.

The Genus Cladosporium Konstanze Bensch 2012