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DevelopmentsNikon D3500 Digital SLR  
CheatSheetLaser Scanning for the Environmental  
SciencesHandbook of Single-Molecule Biophysics

## **Dual Specificity Phosphatases**

Learn to “see” more compelling images with this on-the-go field guide from Bryan Peterson! What makes an image amazing? Believe it or not, it is not about the content. What makes a photo compelling is the arrangement of that content—in other words, its composition. The right composition gives your images impact and emotion; the wrong one leaves them flat. In this handy, take-anywhere guide, renowned photographer, instructor, and bestselling author Bryan Peterson frees amateur photographers from the prejudices of what is “beautiful” or “ugly” so that they can instead focus on color, line, light, and pattern. Get the tools you need to show your distinct voice and point of view in every image you shoot. With this guide in your camera bag, you’ll be equipped not only to “see” beautiful images but to successfully shoot them each and every time. Also available as an ebook

## **Nikon D3300 Digital Field Guide**

An easy-to-follow Nikon D5600 photography class—in a book! Your Nikon D5600 is a powerful tool equipped to take top-notch photos. But unless you know how to use it to its full potential, your professional-grade camera will produce underwhelming amateur-grade photos. And that's where Nikon D5600 For Dummies

comes in! Packed with all the expert tips and tricks you need to get your Nikon to live up to its name, this guide shows you how to use it to get truly striking shots—in a flash. Written by an expert on all things Nikon—and brimming with inspiring full-color photos—the step-by-step instruction offered inside arms shutterbugs of all skill levels with the know-how to turn any scene into a beautiful work of art. Whether you're looking to capture a cozy low-light shot or forever memorialize an awesome action scene, Nikon D5600 For Dummies will take your photography skills to picturesque new heights. Discover all your camera's features and capabilities Get better photos in auto or manual mode Adjust focus on the fly Start speaking photography lingo like a pro Even Leonardo da Vinci had to learn to work with paints and brushes before he could create the Mona Lisa. Before you let your frustration get the best of you, take heed in the friendly guidance in Nikon D5600 For Dummies.

## **Innovation, Communication and Engineering**

### **Physics of Digital Photography**

This book is for anyone upgrading from their Nikon D90 or current DSLR to the highly anticipated Nikon D7000. There's the manual, of course, as well as competing books, and while they all explain, often in 400+ pages, what the camera can do, none of them shows exactly how to use the camera to create great images! This book has one goal: to teach D7000

owners how to make great shots using their new Nikon camera. Users learn how to use the D7000 to create the type of photos that inspired them to buy the camera in the first place. Everything in the book is in service of creating a great image. Starting with the top ten things users needed to know about the camera, photographer John Batdorff carefully guides readers through the operating features. Owners get practical advice from a pro on which settings to use when, great shooting tips, and even end of chapter assignments.

### **Nikon D7000**

Twenty-five papers from the Institute for Mediterranean Studies in Crete provide a best practice guide for the use of geophysical, geoarchaeological, geochemical and surveying techniques to study ancient landscapes.

### **Nikon D5600 For Dummies**

This volume represents the proceedings of the 2013 International Conference on Innovation, Communication and Engineering (ICICE 2013). This conference was organized by the China University of Petroleum (Huadong/East China) and the Taiwanese Institute of Knowledge Innovation, and was held in Qingdao, Shandong, P.R. China, October 26 - November 1, 2013. The conference received 653 submitted papers from 10 countries, of which 214 papers were selected by the committees to be presented at ICICE 2013. The conference provided a

unified communication platform for researchers in a wide range of fields from information technology, communication science, and applied mathematics, to computer science, advanced material science, design and engineering. This volume enables interdisciplinary collaboration between science and engineering technologists in academia and industry as well as networking internationally. Consists of a book of abstracts (260 pp.) and a USB flash card with full papers (912 pp.).

### **Neutrons and Synchrotron Radiation in Engineering Materials Science**

Congratulations! You have one of the most versatile, feature-rich digital SLRs on the market, and this full-color guide helps you make the most of it. Learn how to set up your Nikon D70 or D70s and adjust it for every subject and circumstance. Get professional advice on choosing lenses, composing more than twenty-five types of shots, even downloading and displaying your photos. Wherever your imagination takes you, take this book along. Use the Quick Tour to get the feel of your camera right away Shift easily between semi-automatic and manual modes Work with flash and available lighting to achieve different effects Explore special lenses like macro, vibration reduction, and teleconverters Discover the secrets of perfect action, business, portrait, or nature photography Make downloading and editing problem-free

### **Creative Composition**

This book is a printed edition of the Special Issue "MEMS Mirrors" that was published in Micromachines

## **Communications and Multimedia Security**

Besides its coverage of the four important aspects of synchrotron sources, materials and material processes, measuring techniques, and applications, this ready reference presents both important method types: diffraction and tomography. Following an introduction, a general section leads on to methods, while further sections are devoted to emerging methods and industrial applications. In this way, the text provides new users of large-scale facilities with easy access to an understanding of both the methods and opportunities offered by different sources and instruments.

## **Canon EOS 5D Mark III For Dummies**

This volume of the acclaimed Methods in Cell Biology series provides specific examples of applications of confocal microscopy to cell biological problems. It is an essential guide for students and scientists in cell biology, neuroscience, and many other areas of biological and biomedical research, as well as research directors and technical staff of microscopy and imaging facilities. An integrated and up-to-date coverage on the many various techniques and uses of the confocal microscope (CM). Includes detailed protocols accessible to new users Details how to set up and run a "Confocal Microscope Core Facility"

Contains over 170 figures

### **Nikon D70 Digital Field Guide**

Take your best shots with this invaluable guide to composition for DSLR cameras. Sometimes you get the best results by breaking the rules, but first you have to know what the rules are! In this indispensable photography guide, renowned photographer Harold Davis first walks you through the recommended guidelines for composing great shots with your DSLR camera-and then shows you how to break free, build your own unique style, and compose beautiful images with confidence. Provides practical composition basics as well as the artistic tips and tricks eagerly sought by digital SLR camera lovers, who are growing in number as DSLR camera sales continue to grow. Explores the fundamental rules of composition-then how to break those rules to take captivating and unique images. Informs and inspires you with the author's own gorgeous examples of landscapes, portraits, close-ups, and other photos that illustrate his concepts. Helps you jump-start your creativity by showing you new ways to see. Go beyond the basics and create a photography style that's all your own with this must-have guide.

### **Android Phones For Dummies**

Everything you need to know about your Android smartphone?in full color! Eager to learn the ins and outs of your exciting, new Android phone? Then this is the book you need! Written in the typical fun and

friendly For Dummies style, this full-color guide covers the basics of all the features of Android phones without weighing you down with heavy technical terms or jargon. Veteran world-renowned author Dan Gookin walks you through everything from getting started with setup and configuration to making the most of your phone's potential with texting, e-mailing, accessing the Internet and social networking sites, using the camera, synching with a PC, downloading apps, and more. Covers all the details of the operating system that applies to every Android phone, including Motorola Droids, HTC devices, Samsung Galaxy S phones, to name a few Walks you through basic phone operations while also encouraging you to explore your phone's full potential Serves as an ideal guide to an inexperienced Android newbie who is enthusiastic about getting a handle on everything an Android phone can do Android Phones For Dummies helps you get smarter with your Android smartphone.

## **Pattern Recognition and Machine Intelligence**

This book constitutes the refereed proceedings of the 9th IFIP TC-6 TC-11 International Conference on Communications and Multimedia Security, CMS 2005, held in Salzburg, Austria in September 2005. The 28 revised full papers and 13 two-page abstracts presented together with 4 invited papers were carefully reviewed and selected from 143 submissions. The papers are organized in topical sections on applied cryptography, DRM and e-

commerce, media encryption, multimedia security, privacy, biometrics and access control, network security, mobile security, and XML security.

## **Canon EOS Rebel T3/1100D For Dummies**

This book provides an overview of the detailed physics involved in the imaging chain for an audience of scientists and engineers. With the increasing use of digital photography in a research environment, modern scientists and engineers need to better understand the science behind digital photography to fully exploit this invaluable research tool.

## **Digital Photography For Dummies**

This book constitutes the refereed proceedings of the Third International Conference on Pattern Recognition and Machine Intelligence, PReMI 2009, held in New Delhi, India in December 2009. The 98 revised papers presented were carefully reviewed and selected from 221 initial submissions. The papers are organized in topical sections on pattern recognition and machine learning, soft computing and applications, bio and chemo informatics, text and data mining, image analysis, document image processing, watermarking and steganography, biometrics, image and video retrieval, speech and audio processing, as well as on applications.

## **Proceedings of the First International Conference on Advanced Data and Information Engineering (DaEng-2013)**

A must-have, full-color guide to the Nikon D7100 The Nikon D7100 is an ideal camera for beginning photographers who may lack structured photography training but are still eager and determined to take great photos. And that's where this fun-and-friendly guide comes in handy! Packed with more than 300 full-color photos, this introductory guide begins by helping you get a feel for the camera, get comfortable shooting in auto mode, managing playback options, and handle basic troubleshooting strategies. Veteran author Julie Adair King walks you through the D7100's features and encourages you to take creative control so that you can start capturing stunning pictures immediately. Packs in more than 300 full-color photos that exemplify the basic photo skills needed to get great shots Shares a wealth of information from one of the most popular digital photography authors Walks you through adjusting manual settings to get better results from exposure, lighting, focus, and color Contains an entire chapter on video mode Explains how to send images to a computer for organizing, editing, and sharing Nikon D7100 For Dummies helps you get a grasp on your camera's controls so you can start taking memorable photos today!

## **Imaging Gene Expression**

The ideal reference to Canon's EOS 5D Mark III for professionals and serious hobbyists The Canon EOS 5D Mark III offers professional photographers and advanced amateurs a wide range of top-flight dSLR capabilities. Canon users love For Dummies guides, with more than 100,000 copies of previous

Canon camera guides sold. Like its predecessors, this one is packed with colorful examples that illustrate camera features and inspire you to capture your own super images. It explains the camera controls and menus, shows you how to take full advantage of all the features, discusses output options and image editing, and much more. Geared to the needs of professional dSLR photographers and serious hobbyists, this guide covers all the features of the Canon EOS 5D Mark III. Explores the camera body, menu screen, auto settings, and image settings. Shows how to use the video modes, priority settings, manual settings, and focus modes to capture the best images. Provides suggestions and inspiration with more than 300 full-color photos. Covers image editing and output options. Features tips, techniques, and projects to help you get the most from your camera's capabilities. Canon EOS 5D Mark III For Dummies is the perfect partner for your new dSLR.

### **Advances in Bioprocess Engineering**

This handbook describes experimental techniques to monitor and manipulate individual biomolecules, including fluorescence detection, atomic force microscopy, and optical and magnetic trapping. It includes single-molecule studies of physical properties of biomolecules such as folding, polymer physics of protein and DNA, enzymology and biochemistry, single molecules in the membrane, and single-molecule techniques in living cells.

### **Experimental Cholestasis Research**

This volume contains the Proceedings of the 8th International Symposium on Magnesium. It presents research and applications in order to interface between medical doctors, clinicians and scientists responsible for magnesium involvement in the pathogenesis of diseases, its biological significance, metabolism and many other utilizations which are associated with membranes and cells. The topics which are discussed concern mechanisms of the mode of action of free magnesium cations, hydrated cations and magnesium-linked cations.

## **The Other Half of Macroeconomics and the Fate of Globalization**

## **Cell Biological Applications of Confocal Microscopy**

The international conference on Advances in Computing and Information technology (ACITY 2012) provides an excellent international forum for both academics and professionals for sharing knowledge and results in theory, methodology and applications of Computer Science and Information Technology. The Second International Conference on Advances in Computing and Information technology (ACITY 2012), held in Chennai, India, during July 13-15, 2012, covered a number of topics in all major fields of Computer Science and Information Technology including: networking and communications, network security and applications, web and internet computing, ubiquitous computing, algorithms,

bioinformatics, digital image processing and pattern recognition, artificial intelligence, soft computing and applications. Upon a strength review process, a number of high-quality, presenting not only innovative ideas but also a founded evaluation and a strong argumentation of the same, were selected and collected in the present proceedings, that is composed of three different volumes.

### **MEMS Mirrors**

This book focuses on the practical aspects of particle size measurement: a major difference with existing books, which have a more theoretical approach. Of course, the emphasis still lies on the measurement techniques. For optimum application, their theoretical background is accompanied by quantitative quality aspects, limitations and problem identification. In addition the book covers the phenomena of sampling and dispersion of powders, either of which may be dominant in the overall analysis error. Moreover, there are chapters on the general aspects of quality for particle size analysis, quality management, reference materials and written standards, in- and on-line measurement, definitions and multilingual terminology, and on the statistics required for adequate interpretation of results. Importantly, a relation is made to product performance, both during processing as well as in final application. In view of its set-up, this book is well suited to support particle size measurement courses.

### **Nikon D7100 For Dummies**

This volume explores the latest updates on microscopy approaches and techniques used by scientists studying in the field of gene expression imaging. These updates cover the technical design of the experiments and the expected outcomes. The chapters in this book are divided into two parts: Part One looks at the output of a gene, in particular the RNA molecules that are copied from the gene itself; and Part Two focuses on chromosomes, chromatin, and factors that bind DNA. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Cutting-edge and thorough, *Imaging Gene Expression: Methods and Protocols, Second Edition* is a valuable resource for any researcher interested in learning more about this evolving and important field.

## **Advances in Computing and Information Technology**

Get a new perspective from the 'other half' of macroeconomics The failure of the vast majority of economists in government, academia and the private sector to predict either the post-2008 Great Recession or the degree of its severity has raised serious credibility issues for the profession. The repeated failures of central banks and other policymakers in all advanced countries to meet their inflation or growth targets in spite of astronomical monetary easing,

have left the public rightfully suspicious of the establishment and its economists. *The Other Half of Macroeconomics and the Fate of Globalization* elucidates what was missing in economics all along and what changes are needed to make the profession relevant to the economic challenges of today. Once the other half of macroeconomics is understood both as a post-bubble phenomenon and as a phase of post-industrial economies, it should be possible for policy makers to devise appropriate measures to overcome difficulties advanced countries are facing today such as stagnation and income inequality. • Shows how it's possible to devise appropriate policy response to slow wage and productivity growth in these economies • Demonstrates that the effectiveness of monetary and fiscal policy changes as an economy undergoes different stages of development • Argues that tax rules, regulations and even educational system must be revised to match the need of pursued (by emerging nations) countries • Explains the 200-year process of economic development and where that process is taking all of us

Inside, Richard C. Koo offers a completely new way of looking at the economic predicament of advanced countries today.

## **Beyond Point-and-Shoot**

## **Nikon 1 J1/V1 For Dummies**

Everything you need to know about your new N1 camera! Portable and full color, this guide is packed with everything you want and need to know in order

to take amazing photos using your new Nikon Camera N1. Veteran author J. Dennis Thomas walks you through the essential controls, features, and functions of the N1 using step-by-step instructions and providing full-color images of each menu screen. You'll learn how to adjust white balance, autofocus, and exposure as well as choose lens and adjust settings. The handy trim size allows this guide to go where you go, allowing you easy access to information quickly so you can get the exact shot you want when you want it. Helps you make the most of your Camera N1 and get the shots you want Features valuable insight from a successful professional photographer for capturing unique and memorable portrait, candid, action, travel, sports, and other shots Provides step-by-step explanations on techniques and tips, all aimed at getting you comfortable and confident with your camera Go beyond the basic manual and the standard settings and see what your Camera N1 can do with Camera N1 Digital Field Guide!

### **Photographer's Guide to the Nikon Coolpix P1000**

Bioprocess engineering has played a key role in biotechnology, contributing towards bringing the exciting new discoveries of molecular and cellular biology into the applied sphere, and in maintaining established processes, some centuries-old, efficient and essential for today's industry. Novel developments and new application areas of biotechnology, along with increasing constraints in

costs, product quality, regulatory and environmental considerations, have placed the biochemical engineer at the forefront of new challenges. This second volume of *Advances in Bioprocess Engineering* reflects precisely the multidisciplinary nature of the field, where new and traditional areas of application are nurtured by a better understanding of fundamental phenomena and by the utilization of novel techniques and methodologies. The chapters in this book were written by the invited speakers to the 2nd International Symposium on Bioprocess Engineering, Mazatlan, Mexico, September 1997.

### **Bryan Peterson's Understanding Composition Field Guide**

3D surface representation has long been a source of information describing surface character and facilitating an understanding of system dynamics from micro-scale (e.g. sand transport) to macro-scale (e.g. drainage channel network evolution). Data collection has been achieved through field mapping techniques and the use of remotely sensed data. Advances in this latter field have been considerable in recent years with new rapid-acquisition methods being developed centered around laser based technology. The advent of airborne and field based laser scanning instruments has allowed researchers to collect high density accurate data sets and these are revealing a wealth of new information and generating important new ideas concerning terrain characterisation and landform dynamics. The proposed book collates a series of invited peer

reviewed papers presented at the a conference on geoinformatics and LIDAR to be held at the National Centre for Geocomputation based in the National University of Ireland, Maynooth. Current constraints in field survey and DEM construction are reviewed together with technical and applied issues around the new technology. The utility of the data in process modelling is also covered. The book will be of great value to researchers in the field of geomorphology, geostatistics, remote sensing and GIS and will prove extremely useful to students and practitioners concerned with terrain analysis. The proposed work will: Highlight major technological breakthrough in 3D data collection. Feature examples of application across a wide range of environmental areas. Critically evaluate the role of laser based techniques in the environment. Detail theory and application of laser techniques in the natural environment.

### **Particle Size Measurements**

Master Nikon's first mirrorless camera with this full-color guide The Nikon 1 is a revolutionary new pocket-size camera line that packs the power of a digital SLR into a smaller body. This easy-to-follow guide covers both the J1 and V1 models, showing you all the modes and capabilities of each and how to use them. Illustrated with full-color images to show what you can achieve, it explores all the controls, different lenses, auto and video shooting modes, and how you can take creative control of your photos. It also teaches you which format to use, how to organize and manage your images, and how to get super shots of

people, landscapes, action, and more. This guide by leading photography instructor Julie Adair King provides a complete introduction to using the new Nikon 1 J1 and V1 models Covers all the camera controls and how to use them, lenses, auto and video modes, and how to take control of exposure, color, and lighting Explains how to get images from the camera to the computer, manage your photo files, and make basic edits Full-color illustrations show the great effects you can achieve Nikon 1 J1/V1 For Dummies helps you get the most from Nikon's new mirrorless camera.

### **Nikon D5500**

Discover the essentials to getting better photos with the Nikon DSLR D3400 The Nikon D3400 hits stores as Nikon's most advanced entry-level DSLR camera. Along with the pixel power to deliver sharp images, it also offers tools to be instantly creative and quickly share photos to a smartphone. This book will get you up to speed on the D3400 in a flash—teaching you all the basic photography skills needed to get great shots from a DSLR camera, while also giving you clear, hands-on guidance through the D3400's specific controls. Nikon D3400 for Dummies helps you learn the ins and outs of the Nikon D3400, including how to get started right away in auto mode, get creative with scene modes, and take full control in manual mode. Filled with practical, easy-to-follow instructions, this book will help you transform from an inexperienced beginner to an advanced shutterbug whose shots could grace the cover of any popular magazine. Get

the lowdown on the controls and settings on a Nikon D3400 Learn how pro photographers set their cameras to get better shots Discover the tools that control your camera's exposure settings Put your newfound knowledge together to shoot better portraits, action shots, and low-light images If you're ready to put down your dinky, dim-lit, non-zooming smartphone and pick up a real professional-grade DSLR camera, do so with the help of Nikon D3400 for Dummies.

### **Mastering the Nikon**

In Cellular and Subcellular Nanotechnology: Methods and Protocols expert researchers in the field detail the most recent advances which have been made in utilizing the enormous potential of nanotechnology for probing, imaging and manipulating life on a cellular and subcellular level. Written in the highly successful Methods in Molecular Biology™ series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and key tips on troubleshooting and avoiding known pitfalls. Authoritative and Practical, Cellular and Subcellular Nanotechnology: Methods and Protocols seeks to aid scientists in the further study of applying nanotechnology to all areas of biomedical sciences.

### **Best Practices of Geoinformatic Technologies for the Mapping of Archaeolandscapes**

Mastering the Nikon D810 by Darrell Young provides a wealth of experience-based information and insights for owners of the new D810 camera. Darrell is determined to help the user navigate past the confusion that often comes with complex and powerful professional camera equipment. This book explores the features and capabilities of the camera in a way that far surpasses the user's manual. It guides readers through the camera features with step-by-step setting adjustments; color illustrations; and detailed how, when, and why explanations for each option. Every button, dial, switch, and menu configuration setting is explored in a user-friendly manner, with suggestions for setup according to various shooting styles. Darrell's friendly and informative writing style allows readers to easily follow directions, while feeling as if a friend dropped in to share his knowledge. The information in this book goes beyond the camera itself and also covers basic photography technique.

## **The Photographer's Guide to the Nikon 1 V1/J1**

Dual specificity phosphatases (DUSPs) constitute a heterogeneous group of protein tyrosine phosphatases with the ability to dephosphorylate Ser/Thr and Tyr residues from proteins, as well as from other non-proteinaceous substrates including signaling lipids. DUSPs include, among others, MAP kinase (MAPK) phosphatases (MKPs) and small-size atypical DUSPs. MKPs are enzymes specialized in regulating the activity and subcellular location of

MAPKs, whereas the function of small-size atypical DUSPs seems to be more diverse. DUSPs have emerged as key players in the regulation of cell growth, differentiation, stress response, and apoptosis. DUSPs regulate essential physiological processes, including immunity, neurobiology and metabolic homeostasis, and have been implicated in tumorigenesis, pathological inflammation and metabolic disorders. Accordingly, alterations in the expression or function of MKPs and small-size atypical DUSPs have consequences essential to human disease, making these enzymes potential biological markers and therapeutic targets. This Special Issue covers recent advances in the molecular mechanisms and biological functions of MKPs and small-size atypical DUSPs, and their relevance in human disease.

## **Digital Landscape and Nature Photography For Dummies**

The perfect guide to get you up and running with your new Canon dSLR camera The Canon EOS Rebel T3/1100D is a popular dSLR camera for those moving up from point-and-shoot for the first time. This full-color guide explains all the buttons, dials, and menus, helping you understand your camera and start using all its features. Plenty of colorful photos from the author's portfolio illustrate what you can achieve. The book covers shooting in auto mode, using the onboard controls, working with Live View, and managing exposure, focus, color, and lighting. It also addresses specific shooting situations, how to get

your images from the camera to the computer, and tips on editing and sharing your photos. Canon's Rebel T3/1100D is a popular starter camera for those moving from point-and-shoot to SLR; this book helps dSLR newcomers understand and use all the controls Covers using all the dials, menus, and modes; working with Live View and playback; dialing in exposure and managing lighting; and shooting in auto mode Explains how to get the best images in various situations Addresses how to get images from the camera to the computer, editing techniques, and how to print photos or post them online Full-color photos from the author's collection show what you can achieve Anyone moving up to dSLR photography with the Canon T3/1100D will gain skill and confidence from this easy-to-follow guide.

### **Cellular and Subcellular Nanotechnology**

Tips and tricks for getting the best landscape and nature pictures with a digital camera.

### **Nikon D3400 For Dummies**

There are two types of new photographers: those satisfied with their low-cost point-and-shoot cameras, and those more enthusiastic photographers who recognize the limitations of low-cost equipment and want to improve their pictures. No longer satisfied with simple snapshots, the enthusiast moves up to a more complex digital camera—one with interchangeable lenses and manual controls—to satisfy their artistic urge. Assuming little to no knowledge of

photographic terms, techniques, or technology, *Beyond Point-And-Shoot* is intended to help smooth the transition from photographic newbie to "real" photographer who is experienced, in-control, and passionate about their craft. Author Darrell Young explores various types of interchangeable-lens cameras, focusing on those with larger imaging sensors, such as digital single-lens reflex (DSLR) cameras. Learn how to get the most out of your camera's automatic and semi-automatic exposure modes, as well as how to move beyond those modes and take full, manual control of your camera. Watch your photography improve as you discover how to apply important photographic principles, such as depth of field, white balance, and metering. With this newfound knowledge you'll move beyond point-and-shoot and begin taking truly great photographs. Other topics include: Camera types Lenses Aperture, shutter speed, and ISO Metering and shooting controls Lens focal lengths and angles of view The histogram Color spaces Sensors Filters Image file formats Managing digital noise And much more!

### **Magnesium: Current Status and New Developments**

Now that you've bought the amazing Nikon D5500, you need a book that goes beyond a tour of the camera's features to show you exactly how to use the camera to take great pictures. With *Nikon D5500: From Snapshots to Great Shots*, you get the perfect blend of photography instruction and camera reference that will take your images to the next level!

Beautifully illustrated with large, vibrant photos, this book teaches you how to take control of your photography to get the image you want every time you pick up the camera. Follow along with your friendly and knowledgeable guide, photographer Rob Sylvan, and you will: Learn the top ten things you need to know about shooting with the D5500 Master the photographic basics of composition, focus, and depth of field Use the D5500's automatic scene and professional modes for more control over your images Understand all the best tricks and techniques for getting great action shots, landscapes, and portraits Find out how to get great photos in low light Harness the power of enhanced video recording and capture beautiful moving images with the D5500 Fully grasp all the concepts and techniques as you go, with assignments at the end of every chapter And once you've got the shot, show it off! Join the book's Flickr group, share your photos, and discuss how you use your D5500 to get great shots at [flickr.com/groups/nikonD5500\\_fromsnapshotstogreatshots](http://flickr.com/groups/nikonD5500_fromsnapshotstogreatshots).

## **Nikon D3500 Digital SLR CheatSheet**

The proceeding is a collection of research papers presented at the International Conference on Data Engineering 2013 (DaEng-2013), a conference dedicated to address the challenges in the areas of database, information retrieval, data mining and knowledge management, thereby presenting a consolidated view to the interested researchers in the aforesaid fields. The goal of this conference was to bring together researchers and practitioners from

academia and industry to focus on advanced on data engineering concepts and establishing new collaborations in these areas. The topics of interest are as follows but are not limited to: • Database theory • Data management • Data mining and warehousing • Data privacy & security • Information retrieval, integration and visualization • Information system • Knowledge discovery in databases • Mobile, grid and cloud computing • Knowledge-based • Knowledge management • Web data, services and intelligence

### **Laser Scanning for the Environmental Sciences**

This detailed book provides a state-of-the-art compilation of protocols relevant for the experimental study of cholestasis, each written by internationally recognized research teams that have built up long-standing expertise regarding one or more aspects of experimental cholestasis research. The first half of the collection examines methods targeted towards studying established and new mechanisms of cholestasis, while the second half explores experimental models and tools to investigate mechanisms of cholestasis and/or to predict cholestatic properties of drugs. Written for the highly successful Methods in Molecular Biology series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical,

Experimental Cholestasis Research serves as an ideal guide for basic and applied researchers pursuing this vital area of research in pharmacology and toxicology.

### **Handbook of Single-Molecule Biophysics**

This book is a complete guide to the operation of the Nikon Coolpix P1000 digital camera. The book explains all shooting modes, menus, functions, and controls of this superzoom camera, illustrated by more than 300 full-color images. The guide shows beginning and intermediate photographers how to get excellent results using the many features of the P1000. The book explains topics such as autofocus, manual focus, HDR (High Dynamic Range) photography, ISO sensitivity, memory cards, and flash modes. It discusses techniques for using the P1000's phenomenal zoom lens, with a maximum optical focal length of 3000mm, to full advantage. The book also explains the camera's features for remote control and image transfer using a smartphone or tablet with the P1000's built-in Wi-Fi and Bluetooth capabilities, as well as the camera's features for adding location data to images. The book includes sample photos taken with the creative options of the camera, including the Picture Control settings, which alter color processing of images; the Bird-watching, Moon, Creative, and Scene shooting modes, with settings optimized for subjects such as landscapes, pets, sunsets, and action shots; and the Coolpix P1000's features for burst shooting and time-lapse photography. In addition, the book provides introductions to topics such as street photography, infrared photography, and macro

photography. The book also explains the video features of the P1000, which can shoot 4K video and can record high-speed video sequences at speeds up to four times greater than normal, resulting in slow-motion footage when played back. In addition, the book describes procedures for using the Filter Effects option to add special effects to images after they have been captured. In its three appendices, the book discusses accessories for the Coolpix P1000, including external flash units, microphones, remote control devices, cases, and charging and power options. The appendices also include a list of useful web sites and other references, as well as a section with “quick tips” to help users take advantage of the camera’s features in the most efficient ways possible. This guide book to the P1000 camera includes a detailed Table of Contents and Index.

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