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High Dynamic Range Imaging Erik Reinhard 2010-05-28 High Dynamic Range Imaging, Second Edition, is an essential resource for anyone working with images, whether it is for computer graphics, film, video, photography, or lighting design. It describes HDRI technology in its entirety and covers a wide-range of topics, from capture devices to tone reproduction and image-based lighting. The techniques described enable students to produce images that have a dynamic range much closer to that found in the real world, leading to an unparalleled visual experience. This revised edition includes new chapters on High Dynamic Range Video Encoding, High Dynamic Range Image Encoding, and High Dynamic Range Display Devices. All existing chapters have been updated to reflect the current state-of-the-art technology. As both an introduction to the field and an authoritative technical reference, this book is essential for anyone working with images, whether in computer graphics, film, video, photography, or lighting design. New material includes chapters on High Dynamic Range Video Encoding, High Dynamic Range Image Encoding, and High Dynammic Range Display Devices Written by the inventors and initial implementors of High Dynamic Range Imaging Covers the basic concepts (including just enough about human vision to explain why HDR images are necessary), image capture, image encoding, file formats, display techniques, tone mapping for lower dynamic range display, and the use of HDR images and calculations in 3D rendering Range and depth of coverage is good for the knowledgeable researcher as well as those who are just starting to learn about High Dynamic Range imaging The prior edition of this book included a DVD-ROM. Files from the DVD-ROM can be accessed at: http://www.erikreinhard.com/hdr_2nd/index.html

Graphene Oxide Wei Gao 2015-05-28 This book focuses on a group of new materials labeled "graphene oxides." It provides a comprehensive overview of graphene oxide-based nanomaterials in terms of their synthesis, structures, properties, and extensive applications in catalysis, separation, filtration, energy

storage and conversion. The book also covers emerging research on graphite oxides and the impact of the research on fundamental and applied sciences.

Build Your Own View Camera Bert West 1995

The Nikon Creative Lighting System, 3rd Edition Mike Hagan 2015-05-30

Dental Composite Materials for Direct Restorations Vesna Miletic 2017-11-25 This book covers both basic scientific and clinically relevant aspects of dental composite materials with a view to meeting the needs of researchers and practitioners. Following an introduction on their development, the composition of contemporary composites is analyzed. A chapter on polymerization explains the setting reactions and light sources available for light-cured composites. The quality of monomer-to-polymer conversion is a key factor for material properties. Polymerization shrinkage along with the associated stress remains among the most challenging issues regarding composite restorations. A new classification of dental composites is proposed to offer more clinically relevant ways of differentiating between commercially available materials. A review of specific types of composites provides an insight into their key issues. The potential biological issues of dental composites are reviewed in chapters on elution of leachable substances and cariogenicity of resin monomers. Clinical sections focus on material placement, finishing procedures, and the esthetics and clinical longevity of composite restorations. Bonding to tooth tissues is addressed in a separate chapter, as is the efficiency of various composite repair methods. The final chapter discusses future perspectives on dental composite materials.

7 Weeks to 300 Sit-Ups Brett Stewart 2012-04-03 Build strength and sculpt your abs with this comprehensive guide to the sit-up. Follow the seven-week program in this book and you'll massively increase the strength and muscle tone of your core, back and obliques to such an extreme that you'll be able to do 300 consecutive sit-ups. Offering field-tested, day-by-day plans and more than thirty core-shredding exercises, this book has something for everyone: from

beginners embarking on a new workout regimen to athletes looking to expand strength-training options. Packed with clear charts and helpful photos, 7 Weeks to 300 Sit-Ups tells you everything you need to know about the ultimate exercise for your core and includes:

- Instructions on how to do a perfect sit-up
- Easy-to-follow progressive training programs
- Added challenges for extreme strengthening

Nikon D3300 Digital Field Guide J. Dennis Thomas 2014-05-06 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!

Business Statistics David F. Groebner 2005 This comprehensive text presents descriptive and inferential statistics with an assortment of business examples and real data, and an emphasis on decision-making. The accompanying CD-ROM presents Excel and Minitab tutorials as well as data files for all the exercises and exmaples presented.

Mummy Portraits of Roman Egypt Marie Svoboda 2020-08-25 This publication presents fascinating new findings on ancient Romano-Egyptian funerary portraits preserved in international collections. Once interred with mummified remains, nearly a thousand funerary portraits from Roman Egypt survive today in museums around the world, bringing viewers face-to-face with people who lived two thousand years ago. Until recently, few of these paintings had undergone in-depth study to determine by whom they were made and how. An international collaboration known as APPEAR (Ancient Panel Paintings: Examination, Analysis, and Research) was launched in 2013 to promote the study of these objects and to gather scientific and historical findings into a shared database. The first phase of the project was marked with a two-day conference at the Getty Villa. Conservators, scientists, and curators presented new research on topics such as provenance and collecting, comparisons of works across institutions, and scientific studies of pigments, binders, and supports. The papers and posters from the conference are collected in this publication, which offers the most up-to-date information available about these fascinating remnants of the ancient world.

Guide to Research Techniques in Neuroscience Matt Carter 2022-04-08 Modern neuroscience research is inherently multidisciplinary, with a wide variety of cutting edge new techniques to explore multiple levels of investigation. This Third Edition of Guide to Research Techniques in Neuroscience provides a comprehensive overview of classical and cutting edge methods including their utility, limitations, and how data are presented in the literature. This book can be used as an introduction to neuroscience techniques for anyone new to the field or as a reference for any neuroscientist while reading papers or attending talks.

- Nearly 200 updated full-color illustrations to clearly convey the theory and practice of neuroscience methods
- Expands on techniques from previous editions and covers many new techniques including in vivo calcium imaging, fiber photometry, RNA-Seq, brain spheroids, CRISPR-Cas9 genome editing, and more
- Clear, straightforward explanations of each technique for anyone new to the field
- A broad scope of methods, from noninvasive brain imaging in human subjects, to electrophysiology in animal models, to recombinant DNA technology in test tubes, to transfection of neurons in cell culture
- Detailed recommendations on where to find protocols and other resources for specific techniques
- “Walk-through boxes that guide readers through experiments step-by-step

Mastering Nikon Speedlights Alan Hess 2015-08-05 Mastering Nikon Speedlights is the most comprehensive guide available for anyone using or wanting to learn more about the Nikon Creative Lighting System (CLS). Starting with an exploration of how to work with light, the book teaches you everything you need to know about understanding the direction and intensity of light, using light meters and metering modes, controlling exposure, and much more. You'll learn the specifics of how to use the full range of Nikon Speedlights and accessories, including past and current models of cameras and CLS compatible flashes—and in the process you'll find out how to get the best shots with your gear, whether you have a whole box of equipment or just the basics. The book includes practical, real-world photo shoots—portraits, action shots, and product photography—starting with one light and gradually working up to multiple lights so you can observe the progression of the light from one flash to many. No matter what your subject or shooting scenario, Mastering Nikon Speedlights is an essential resource that teaches you how to produce the light you need to achieve great results. Offers a thorough discussion of the qualities of light, how the camera measures light, and the settings needed to record an image with proper exposure Provides a complete overview of all the components that make up the Nikon Creative Lighting System, outlining how to use the different Speedlights and accessories to correspond with each camera's unique capabilities Covers how to use the Nikon Speedlights off the camera using the Advanced Wireless Lighting (AWL) features built into the Creative Lighting System Features several examples of real photo shoots, showing you how to take great photos in a variety of situations, building from one flash up to multiple flashes

The Adobe Photoshop Lightroom CC Book for Digital Photographers Scott Kelby 2015-04-25 Since Lightroom 1.0 first launched, Scott's Kelby's The Adobe Photoshop Lightroom Book for Digital Photographers has been the world's #1 bestselling Lightroom book (it has been translated into a dozen different languages), and in this latest version for Lightroom 6, Scott uses his same award-winning, step-by-step, plain-English style and layout to make learning Lightroom easy and fun. Scott doesn't just show you which sliders do what (every Lightroom book will do that). Instead, by using the following three simple, yet brilliant, techniques that make it just an incredible learning tool, this book shows you how to create your own photography workflow using Lightroom:

- Throughout the book, Scott shares his own personal settings and studio-tested techniques. Each year he trains thousands of Lightroom users at his live seminars and through that he's learned what really works, what doesn't, and he tells you flat out which techniques work best, which to avoid, and why.
- The entire book is laid out in a real workflow order with everything step by step, so you can begin using Lightroom like a pro from the start.
- What really sets this book apart is the last chapter. This is where Scott dramatically answers his #1 most-asked Lightroom question, which is: “Exactly what order am I supposed to do things in, and where does Photoshop fit in?” You'll see Scott's entire start-to-finish Lightroom 6 workflow and learn how to incorporate it into your own workflow.
- Plus, this book includes a downloadable collection of some of the hottest Lightroom Develop module presets to give you a bunch of amazing effects with just one click! Scott knows firsthand the challenges today's digital photographers are facing, and what they want to learn next to make their workflow faster, easier, and more fun. He has incorporated all of that into this major update for Lightroom 6. It's the first and only book to bring the whole process together in such a clear, concise, and visual way. Plus, the book includes a special chapter on integrating Adobe Photoshop seamlessly right into your workflow, and you'll learn some of Scott's latest Photoshop portrait retouching techniques and special effects, which take this book to a whole new level. There is no faster, more straight to the point, or more fun way to learn Lightroom than with this groundbreaking book.

David Busch's Nikon D780 Guide to Digital Photography David D. Busch 2020-08-20 *David Busch's Nikon D780 Guide to Digital Photography* is your all-in-one comprehensive resource and reference for the exciting Nikon D780 digital SLR. This weather-sealed pro/enthusiast camera is built around a 24.5 megapixel back-illuminated sensor that offers incredible image quality and features a dual focus system for fast phase detect autofocus in both viewfinder and live view/movie modes. Burst shooting with continuous autofocus at 7 frames per second – or up to 12 fps in live view/silent shooting mode – is an action photographer's dream. Videographers will love the D780's UHD 4K video, too. All photographers will appreciate the security the camera's twin SD card slots provide.

Filled with detailed how-to steps and full-color illustrations, *David Busch's Nikon D780 Guide to Digital Photography* covers all the camera's capabilities in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy visual “roadmap” guide to the D780, a chapter with close-up photos and descriptions of the camera's essential features and controls. Learn when to use each option and, more importantly, when *not* to use them, by following the author's recommended settings for every menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery

of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Nikon D780 today.

Nikon D5300 Digital Field Guide J. Dennis Thomas 2014-02-19 Everything you need to know to take amazing photographs using your new DSLR The Nikon D5300 Digital Field Guide is filled with everything you need to know to take fantastic photos with your new Nikon. In full color, this portable guide covers all of the essential controls, features, and functions of the Nikon D5300, using step-by-step instructions and providing full-color images of each menu screen. Nikon users will love this comprehensive field guide—it's just the right size to fit into a camera bag, so you'll be able to take it wherever your photography adventures take you. The guide goes beyond camera settings, offering you a refresher course in digital photography principles, and covering the essentials of lighting, composition, and exposure. This perfectly sized field guide features: Compact size, allowing photographers to carry it wherever they go Professional advice on everything from composing a variety of shots to choosing lenses Colorful example images, along with detailed instructions on how to get the most from each of the camera's features Filled with amazing examples, this handy guide offers a variety of tips and tricks. You'll learn how to capture portraits, take character-filled candid shots, frame sports action, document travel, work with macro photography, and much more!

Nikon D3200 Digital Field Guide Alan Hess 2012-09-25 A colorful, portable guide to all the features of Nikon's D3200 dSLR The Nikon D3200 dSLR camera is packed with fabulous features like a 24-megapixel sensor, full HD video capability with fulltime autofocus, and 4 frames-per-second continuous shooting mode. This full-color guide provides instructions for all the buttons, dials, modes, and menus plus a refresher course in photography basics. It illustrates the essentials of lighting, composition, and exposure with plenty of examples, and author Alan Hess, veteran concert photographer, even includes professional tips on improving portraits, candid, sports and travel photos, and much more. Sized to fit in a camera bag, the book includes a bonus gray and color checker card to help dSLR newcomers capture perfect white balance and color every time. Nikon's exciting D3200 dSLR offers a 24-megapixel sensor, full HD (1080p) video recording with fulltime autofocus and 4 fps high-speed continuous shooting mode, and a host of other features This full-color guide, in a portable 6 x 9-inch trim explains all the camera's settings, buttons, menus, and modes with step-by-step directions Explains how to choose lenses, adjust white balance, use autofocus, and manage exposure Author and professional photographer Alan Hess provides advice on improving your candid, portraits, sports and travel photos, macro photography, and more, with exquisite examples Includes a gray and color checker card to help you achieve perfect color Nikon D3200 Digital Field Guide is your new Nikon's best friend. Take it everywhere you take your camera and have expert advice at your fingertips.

The Hot Shoe Diaries Joe McNally 2009-03-03 When it comes to photography, it's all about the light. After spending more than thirty years behind the lens—working for National Geographic, Time, Life, and Sports Illustrated—Joe McNally knows about light. He knows how to talk about it, shape it, color it, control it, and direct it. Most importantly, he knows how to create it...using small hot shoe flashes. In The Hot Shoe Diaries, Joe brings you behind the scenes to candidly share his lighting solutions for a ton of great images. Using Nikon Speedlights, Joe lets you in on his uncensored thought process—often funny, sometimes serious, always fascinating—to demonstrate how he makes his pictures with these small flashes. Whether he's photographing a gymnast on the Great Wall, an alligator in a swamp, or a fire truck careening through Times Square, Joe uses these flashes to create great light that makes his pictures sing.

The Art and Style of Product Photography J. Dennis Thomas 2013-12-17 High quality images sell products. Here's how you do it. From cereal boxes to billboards to photos on Amazon, product photos have a strong impact on viewers. Now you can master the secrets of effective product photography with this essential guide. Author J. Dennis Thomas guides you through the basics, from selecting the right equipment and practicing different lighting techniques to controlling exposure, using backgrounds and props, and much more. Whether it's jewelry, food, fashion, or other products, learn how to photograph for effective selling, while building the skills and tools you need for a career. Explains how to produce quality photos for product or commercial photography, including fashion, food, jewelry, technology, and more The author is a professional photographer whose work has been published in major U.S. magazines including Rolling Stone, Elle, W Magazine, and US Weekly Covers choosing the right equipment, practicing different lighting techniques, controlling exposure, using backgrounds and props, and more Gives new and even experienced photographers the tools they need to build careers in product photography Take photographs that impress, intrigue, dazzle, and sell with The Art and Style of Product Photography.

David Busch's Nikon Z50 Guide to Digital Photography David D. Busch 2020-03-06 *David Busch's Nikon Z50 Guide to Digital Photography* is your all-in-one comprehensive resource and reference for getting the most out of your Nikon Z50 mirrorless camera. Nikon's first APS-C format mirrorless model is compact, weighs just 14 ounces, and is very affordable, making it the perfect camera for budding photo enthusiasts. It's built around a 21-megapixel sensor that offers excellent image quality and is sensitive enough for low light shooting. With a 209-point phase-detect autofocus system covering more than 85 percent of the frame, the Z50 can shoot sports and action at up to 11 frames per second, with lightning fast focus. The Z50 can capture both 4K and Full HD movies, too, and the flip-down rear LCD is ideal for selfies and vlogging. With this book in hand, you'll master all the camera's impressive features, and fine tune your camera skills as develop your creativity taking great photographs with your new Z50.

Filled with detailed how-to steps and full-color illustrations, *David Busch's Nikon Z50 Guide to Digital Photography* covers all the camera's capabilities in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy visual guide to the Z50, with close-up photos and descriptions of the camera's essential features and controls. Learn when to use each option and, more importantly, when not to use them, by following the author's recommended settings for every menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Nikon Z50 today.

Manual of Photography Ralph Jacobson 2000-08-17 The Manual of Photography is the standard work for anyone who is serious about photography - professional photographers and lab technicians or managers, as well as students and enthusiastic amateurs who want to become more technically competent. The authors provide comprehensive and accessible coverage of the techniques and technologies of photography. The Manual has aided many thousands of photographers in their careers. The ninth edition now brings this text into a third century, as the first edition dates from 1890. Major new updates for the ninth edition include: Coverage of digital techniques - more emphasis on electronic and hybrid media Greater coverage of colour measurement, specification and reproduction - illustrated with a new colour plate section Dealing with the fundamental principles as well as the practices of photography and imaging, the Manual topics ranging from optics to camera types and features, to colour photography and digital image processing and manipulation. The authors write in a reader-friendly style, using many explanatory illustrations and dividing topics into clear sections.

400 Must-Have Words for the TOEFL Lynn Stafford-Yilmaz 2005-04-14 For students whose first language is not English and who wish to study at a university with an English-based curriculum, no admittance test is more important than the Test of English as a Foreign Language (TOEFL). 400 Must-Have Words for the TOEFL helps you score well by arming you with the most important English vocabulary words commonly found on this crucial exam. This timely guide also encompasses the recent changes made to the test, including the emphasis on conversation and spontaneous communication to mirror the interactive nature of the classroom. 400 Must-Have Words for the TOEFL also includes: Activities such as paraphrasing, synonym and antonym exercises, and identifying prefixes and suffixes Strategies on how to incorporate new words into everyday vocabulary Chapters on identifying synonyms and paraphrasing sentences, roots, prefixes, and suffixes

500 Basic Korean Verbs Kyubyong Park 2015-08-04 This is a complete study guide to the most common Korean verbs Korean grammar is notoriously difficult for foreigners to master but is essential for those wishing to learn Korean. Easy-to-use 500 Basic Korean Verbs is the only comprehensive guide to the correct usage of Korean verbs available for English-speaking learners. Each of the 500 most important Korean verbs is presented in a convenient single-page format that gives the verb's meaning and pronunciation and displays the verb's 48 key tenses, speech levels, and moods (all accompanied by romanizations). Also included are a handy guide to the Korean language and verb conjugation and reference tables of basic Korean verb types, along with 3 indexes (Romanized, Hangeul, and English). 500 Basic Korean Verbs Includes: Conjugations by tense, speech levels, and mood. "Model verb" system quickly identifies each verb's pattern. Sample sentences demonstrating the verb's correct usage. Free downloadable audio provides pronunciations for the verbs and 1,000 example sentences. Korean characters (Hangul) as well as romanized pronunciations to help English speakers. Two-color design makes quick

reference easy.

On-Camera Flash Techniques for Digital Wedding and Portrait Photography Neil Van Niekerk 2015-11-10 If they aren't carrying much equipment and the natural lighting turns, photographers tend to reach for the on-camera flash button. These intense light sources can prove invaluable, but only if you know how to use them effectively. In the hands of an inexperienced photographer, on-camera flash will produce images with harsh shadows, washed out skin tones, cavernous black backgrounds and other unappealing visual characteristics. In On-Camera Flash the pitfalls photographers new to speedlights often encounter are outlined, ensuring readers can avoid them.

Popular Photography 1982-05

Popular Photography 1984-05

Nikon Speedlight Handbook Stephanie Zettl 2012 To use flash or not to use flash? That is the question facing many photographers. The Nikon Speedlight Handbook addresses this common confusion directly and instructs readers on how to confidently use their Nikon flash system. Featuring easy-to-understand language and real-world examples, this guide helps demystify the complexities of on- and off-camera flash. Covers the fundamentals, as well as how to implement new, more inventive techniques that unlock how to create stunning images. Ideal for amateurs and professionals alike.

Carbon Fibers and Their Composite Materials Luke Henderson 2019-07-16 Carbon fiber is an oft-referenced material that serves as a means to remove mass from large transport infrastructure. Carbon fiber composites, typically plastics reinforced with the carbon fibers, are key materials in the 21st century and have already had a significant impact on reducing CO2 emissions. Though, as with any composite material, the interface where each component meets, in this case the fiber and plastic, is critical to the overall performance. This text summarizes recent efforts to manipulate and optimize the interfacial interaction between these dissimilar materials to improve overall performance.

David Busch's Nikon Z7 II/Z6 II Guide to Digital Photography David D. Busch 2021-02-22 *David Busch's Nikon Z7 II/Z6 II Guide to Digital Photography* is your all-in-one comprehensive resource and reference for Nikon's next-generation Z7 II and Z6 II mirrorless cameras. The company has upgraded these compact cameras with the features most requested by enthusiasts, including two memory card slots, advanced autofocus features, and performance-enhancing dual EXPEED 6 processors. Serious photographers can select the high-resolution 45.7 megapixel Z7 II, or opt for the higher continuous shooting rates and stellar low-light versatility of the 24 megapixel Z6 II. Both cameras offer incredible image quality, especially when coupled with a burgeoning line of ultra-sharp S-series, Z-mount lenses. The affordable FTZ adapter allows you to use more than 300 different lenses in Nikon's F-mount lineup, too. Five-axis in-body image stabilization provides up to five stops of anti-shake performance so you can hand-hold the camera at slower shutter speeds. An improved autofocus system with human and animal eye/face detection offers lightning fast focus for stills and both 4K and Full HD movie-shooting. With this book in hand, you'll master all these impressive features, and fine tune your camera skills as develop your creativity taking great photographs with your new Z7 II or Z6 II.

Filled with detailed how-to steps and full-color illustrations, *David Busch's Nikon Z7 II/Z6 II Guide to Digital Photography* covers the cameras' capabilities in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy visual guide to the Z7 II and Z6 II, with close-up photos and descriptions of the camera's essential features and controls. Learn when to use each option and, more importantly, when not to use them, by following the author's recommended settings for every menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Nikon Z7 II or Z6 II today.

The Hasselblad Manual Ernst Wildi 2012-09-10 Discover the great advantages and benefits of working in the medium film format or with the large digital sensor units in Hasselblad digital cameras and digital backs. Presented in an easily accessible format, this book shows the working and manipulation of the various cameras. Detailed illustrations dissect the equipment and provide insight into the ways in which these superb cameras and lenses are best utilized to create professional quality images. This edition of the Manual will bring you up to date with the latest features available within the popular Hasselblad camera systems emphasizing that camera and lens are the most important tools for creating exciting images whether you work digitally or with film. The complete Hasselblad camera system is discussed by renowned author and Hasselblad insider, Ernst Wildi, who provides a solid foundation of both traditional photography and digital capture techniques. Inside you'll also find inspiring photographs from well-known photographers, illustrating a variety of photographic techniques using a Hasselblad camera.

David Busch's Nikon Z5 Guide to Digital Photography David D. Busch 2020-11-17 *David Busch's Nikon Z5 Guide to Digital Photography* is your all-in-one comprehensive resource and reference for getting the most out of your Nikon Z5 mirrorless camera. Nikon's most affordable full-frame mirrorless model boasts up-scale features, including dual memory card slots, five-axis image stabilization for sharp images even when using slow shutter speeds, and an advanced hybrid autofocus system with face/eye detection and 273 AF points. The Z5's 24MP sensor supports 4K and Full HD movie shooting, and an innovative Focus Shift mode that produces stunning deep-focus images. With this book in hand, you'll master all the camera's impressive features, and fine tune your camera skills as develop your creativity taking great photographs with your new Z5.

Filled with detailed how-to steps and full-color illustrations, *David Busch's Nikon Z5 Guide to Digital Photography* covers all the camera's capabilities in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy visual guide to the Z5, with close-up photos and descriptions of the camera's essential features and controls. Learn when to use each option and, more importantly, when not to use them, by following the author's recommended settings for every menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Nikon Z5 today.

Close Up Photography in Nature John and Barbara Gerlach 2014-07-17 Capturing the grandeur of landscapes or mood of a certain natural light is challenging but often the simple details of a texture or color evade photographers most of all. In Close Up Photography in Nature, best-selling authors and nature photography pros, John and Barbara Gerlach, share the tips and techniques necessary to successfully photograph the beauty all around you. The Gerlachs are celebrated teachers who understand a photographer's mind so they begin this book with a brief overview of the fundamentals before delving into some of the more advanced and unique challenges of close up photography. Topics covered include: advanced flash techniques specific for close up shooting, as well as a discussion on focus stacking strategies and tilt-shift lenses for getting maximum depth-of-field. The Gerlachs also discuss their strategy of mixing flash with natural light when shooting close up, which opens up all sorts of photographic possibilities - opening up shadows, creating shadows, separating the subject from the background, reducing contrast between the subject and the background, improving the color rendition, shooting sharper images, and much more. This book will change the way you see the world as well as the way you share it through your work! the world through your work!

David Busch's Compact Field Guide for the Nikon D7200 David D. Busch 2015-10-30

The Nikon Creative Lighting System Mike Hagen 2012 Using a simple, step-by-step method for setting up and using the newest Nikon iTTL flash units,

Hagen teaches all the steps required to achieve consistent and amazing flash photos. He solves the common frustrations associated with flash, and specifically teaches how to use the SB-600, SB-700, SB-800, SB-900, and R1C1 strobes.

Nikon Creative Lighting System Digital Field Guide Benjamin Edwards 2012-02-15 Detailed coverage of the three high-end speedlights built exclusively for new Nikon SLRs Nikon speedlights put creative control of flash at the photographer's command, and with Nikon's Creative Lighting System, flash control is practically intuitive and possibilities are seemingly endless. However, setting up, synchronizing the equipment, and determining lighting ratios can be a daunting task. This new edition of a bestseller puts your mind at ease in a flash. Award-winning photographer Benjamin Edwards begins with the basics and demystifies the complexities of using multiple speedlights, adjusting flash outputs, and setting up a wireless studio in an understandable, approachable way. Teaches you how to fill in shadows, reveal detail, and add a sense of motion or visual effects to your images, all with automatic ease and total wireless control Includes coverage of other Creative Lighting System components such as Nikon's wireless commander and macro speedlights Explores the basic functions of the SB-910, continues with the SB-700 and the similar, but less expensive, SB-600 Boasts unique, detailed advice on lighting specific subjects: weddings, pets, product shots, corporate locations, portraits, large groups, sports, and much more While the Nikon Creative Lighting System speedlights are like having a low cost, wireless, studio lighting system that's portable enough to fit in a camera bag, this invaluable guide does fit in your camera bag and goes where you go to help you take control of this amazing lighting system.

Nikon D3200 Digital Field Guide Alan Hess 2012-09-19 A colorful, portable guide to all the features of Nikon'sD3200 dSLR The Nikon D3200 dSLR camera is packed with fabulous featureslike a 24-megapixel sensor, full HD video capability with fulltimeautofocus, and 4 frames-per-second continuous shooting mode. Thisfull-color guide provides instructions for all the buttons, dials,modes, and menus plus a refresher course in photography basics. Itillustrates the essentials of lighting, composition, and exposurewith plenty of examples, and author Alan Hess, veteran concertphotographer, even includes professional tips on improvingportraits, candids, sports and travel photos, and much more. Sized to fit in a camera bag, the book includes a bonus gray andcolor checker card to help dSLR newcomers capture perfect whitebalance and color every time. Nikon's exciting D3200 dSLR offers a 24-megapixel sensor, fullHD (1080p) video recording with fulltime autofocus and 4 fpshigh-speed continuous shooting mode, and a host of otherfeatures This full-color guide, in a portable 6 x 9-inch trim explainsall the camera's settings, buttons, menus, and modes withstep-by-step directions Explains how to choose lenses, adjust white balance, useautofocus, and manage exposure Author and professional photographer Alan Hess provides adviceon improving your candids, portraits, sports and travel photos,macro photography, and more, with exquisite examples Includes a gray and color checker card to help you achieveperfect color Nikon D3200 Digital Field Guide is your new Nikon's bestfriend. Take it everywhere you take your camera and have expertadvice at your fingertips.

Sketching Light Joe McNally 2011-12-06 Following up on the great success of The Moment It Clicks and The Hot Shoe Diaries: Big Light from Small Flashes, legendary magazine photographer Joe McNally takes us on another memorable ride with Sketching Light, another trip into the land of light--but this time running the gamut from small flash to big flash, and everywhere in between. Of course, Joe includes coverage of Nikon Speedlights, but he also covers big flash, as well as "in-between" lights as the Elinchrom Quadra. The exploration of new technology, as well as the explanation of older technology. No matter what equipment Joe uses and discusses, the most important element of Joe's instruction is that it is straightforward, complete, and honest. No secrets are held back, and the principles he talks about apply generally to the shaping and quality of light, not just to an individual model or brand of flash. He tells readers what works and what doesn't via his let's-see-what-happens approach, he shows how he sets up his shots with plentiful sketches and behind-the-scenes production shots, and he does it all with the intelligence, clarity, and wisdom that can only come from shooting in the field for 30 years for the likes of National Geographic, Time, Life, and Sports Illustrated--not to mention the wit and humor of a clearly warped (if gifted) mind.

Handbook of Biomass Downdraft Gasifier Engine Systems Thomas B. Reed 1988

Lighting for Digital Photography Syl Arena 2012-10-07 Now that you've had your DSLR for a while, are you ready to take a much closer look at what creating a great image is all about? It's all about light! The ability to see, influence, modify, control, and create light will take your images from snapshots to great shots! In Lighting for Digital Photography: From Snapshots to Great Shots, photographer and bestselling author Syl Arena begins with a primer on light itself--how to see its direction, intensity, color, contrast, and hardness--and quickly moves on to discussions of shooting both indoors and outdoors in the many different conditions of natural or man-made light. Then the book digs in to begin creating light with photographic lights, whether that's small flash or big strobe, the pop-up flash on your DSLR or continuous lights. Follow along with Syl and you will: Learn the basics (and beyond) of light modifiers that make light bigger and softer, such as umbrellas, softboxes, beauty dishes, and diffusion panels Understand how to control and shape the light itself with flags, grids, snoots, and the zoom function on your flash Appreciate the color temperature of light (whether that's the sun, a light bulb, or a flash), and how to influence it with white balance settings on your camera and colored gels on your flash Learn how to take great pictures across many different genres, from product and still life images, to simple (and not so simple) portraits and group shots With Lighting for Digital Photography: From Snapshots to Great Shots, you'll learn not only how light behaves--you'll learn all you need to know to get started on the journey of creating and controlling light in order to make great shots. And once you've got the shot, show it off! Join the book's Flickr group, share your photos, and discuss how you get great shots at flickr.com/groups/lightingfromsnaphotstogreatshots.

Human Stem Cell Manual Suzanne Peterson 2012-10-22 This manual is a comprehensive compilation of "methods that work" for deriving, characterizing, and differentiating hPSCs, written by the researchers who developed and tested the methods and use them every day in their laboratories. The manual is much more than a collection of recipes; it is intended to spark the interest of scientists in areas of stem cell biology that they may not have considered to be important to their work. The second edition of the Human Stem Cell Manual is an extraordinary laboratory guide for both experienced stem cell researchers and those just beginning to use stem cells in their work. Offers a comprehensive guide for medical and biology researchers who want to use stem cells for basic research, disease modeling, drug development, and cell therapy applications. Provides a cohesive global view of the current state of stem cell research, with chapters written by pioneering stem cell researchers in Asia, Europe, and North America. Includes new chapters devoted to recently developed methods, such as iPSC technology, written by the scientists who made these breakthroughs.

The Nikon Creative Lighting System Mike Hagen 2009 Shows a simple, step by step method for setting up and using the Nikon iTTL flash units. This book solves people's frustrations with flash and specifically, shows them how to use their SB-900, SB-800 and SB-600 strobes. It contains a chapter showing system configuration so readers can duplicate the photos on their own.

Metallography and Microstructure in Ancient and Historic Metals David A. Scott 1992-01-02 David A. Scott provides a detailed introduction to the structure and morphology of ancient and historic metallic materials. Much of the scientific research on this important topic has been inaccessible, scattered throughout the international literature, or unpublished; this volume, although not exhaustive in its coverage, fills an important need by assembling much of this information in a single source. Jointly published by the GCI and the J. Paul Getty Museum, the book deals with many practical matters relating to the mounting, preparation, etching, polishing, and microscopy of metallic samples and includes an account of the way in which phase diagrams can be used to assist in structural interpretation. The text is supplemented by an extensive number of microstructural studies carried out in the laboratory on ancient and historic metals. The student beginning the study of metallic materials and the conservation scientist who wishes to carry out structural studies of metallic objects of art will find this publication quite useful.