

## Acs Style Guide Books

***The Scientific Style and Format Eighth Edition Subcommittee worked to ensure the continued integrity of the CSE style and to provide a progressively up-to-date resource for our valued users, which will be adjusted as needed on the website.***

***This new edition will prove to be an authoritative tool used to help keep the language and writings of the scientific community alive and thriving, whether the research is printed on paper or published online.***

***The faculty, staff and students of Air University will find that this Guide is designed to unify their writing stylistically and to give them information about publishing with AU Press. Rapid expansion in the field of electronic media - especially the internet - has made AU research and writing increasingly accessible. Bases on recognized but forward-looking principles of standard English usage, this Guide provides reliable guidance on such matters as punctuation, capitalization, abbreviation, documentation, numbers, spelling, and much more.***

***Presents short topics tied to numerical or conceptual ideas, reinforced with worked examples and questions Retaining the user-friendly style of the first edition, this text is designed to eliminate the knowledge gap for those life sciences students who have not studied chemistry at an advanced level. It contains new chapters on -***

***The Business Playground is the definitive guide to creativity and innovation***

***Written by musician/entrepreneur Dave Stewart and branding expert Mark***

***Simmons, The Business Playground***

***offers a revealing look at what creativity is and how to apply it in business***

***through an inspiring mix of scientific studies, anecdotes, high-profile***

***interviews, and thought-provoking games that you can play alone or with your co-***

***workers. The Business Playground is not your average business book. Former***

***Eurythmics band member Dave Stewart turns on his rock and roll charm with***

***personal, inspirational stories from his own career as well as interviews with***

***such innovative and influential thinkers as Mick Jagger, Microsoft's Paul Allen,***

***and Twitter's Evan Williams. The***

***legendary Sir Richard Branson makes a guest appearance as the author of the book's foreword where he sets the tone for this quirky, fun, eminently useful guide to creative business thinking. Whether you're running a one-man show or heading up a multinational corporation, you'll discover new techniques for finding and harnessing your creative abilities and putting them to work for your business in this entertaining book. The Business Playground includes real-world examples of innovation in action, as well as substantial and practical techniques that you can use immediately to aid in creative thinking and problem solving. Play the games at the end of each chapter and you'll learn how to: Ask the right questions so you can find the right answers Rediscover, train, and utilize your innate creative abilities Conduct "the perfect brainstorm"—yes, such a thing really does exist Create a work culture that's conducive to creativity Help people collaborate with others within and outside of the organization Kill ideas that aren't working before they waste too much time and too many***

**resources** In his foreword Sir Richard Branson says, "Dave and Mark's enthusiasm for creativity and how it can be applied in business leaps off every page. The Business Playground will bring out the creative child inside all of us and I can't imagine many readers being left uninspired to try it out for themselves. Their mix of insights about creativity, revealing examples, anecdotes, interviews with creative thinkers, and games make for an entertaining and informative read. If you get half as much out of this book as I did, you're in for quite a treat." Join in the fun with the Business Playground Facebook community at:

**[www.facebook.com/businessplayground](http://www.facebook.com/businessplayground)**

**A Manual for Authors and Editors**

**Noncovalent Functionalization of Carbon Nanotubes**

**Biomolecular Regulation and Cancer**

**Solvents, Additives, and Novel**

**Applications**

**A Short Guide to Writing about**

**Chemistry**

**Chemistry of Nanocarbons**

**The New Edition of the Well-Regarded Handbook on GasChromatography Since the publication of the**

*highly successful first edition of Basic Gas Chromatography, the practice of chromatography has undergone several notable developments. Basic Gas Chromatography, Second Edition covers the latest in the field, giving readers the most up-to-date guide available, while maintaining the first edition's practical, applied approach to the subject and its accessibility to a wide range of readers. The text provides comprehensive coverage of basic topics in the field, such as stationary phases, packed columns and inlets, capillary columns and inlets, detectors, and qualitative and quantitative analysis. At the same time, the coverage also features key additions and updated topics including: Gas chromatography-mass spectrometry (GC-MS) Sampling methods Multidimensional gas chromatography Fast gas chromatography Gas chromatography analysis of nonvolatile compounds Inverse gas chromatography and pyrolysis gas chromatography Along with these new and updated topics, the references, resources, and Web sites in Basic Gas Chromatography have been revised to reflect the state of the field. Concise and fundamental in its coverage, Basic Gas Chromatography, Second Edition remains the standard handbook for everyone from undergraduates studying analytical chemistry to working industrial chemists.*

*The essential desk reference for authors, editors,*

*and publishers of scientific research, the ACS Style Guide is a complete stylistic handbook. Topics include grammar, style, usage, illustrations, tables, lists, and units of measure, as well as the conventions used in chemistry. It also covers numerous related topics, from peer review and copyrights to oral presentations and the ACS ethical guidelines for publication. Lively and practical, this reference will help any chemist communicate effectively.*

*Discusses the latest thinking in the approach to teaching Organic Chemistry.*

*In the nearly 10 years since the publication of the bestselling first edition of Introduction to Green Chemistry, interest in green chemistry and clean processes has grown so much that topics, such as fluorous biphasic catalysis, metal organic frameworks, and process intensification, barely mentioned in the first edition, have become major areas of research. In addition, government funding has ramped up the development of fuel cells and biofuels. It reflects the evolving focus from pollution remediation to pollution prevention. Copiously illustrated with over 800 figures, this second edition provides an update from the frontiers of the field. New and expanded research topics: Metal-organic frameworks Solid acids for alkylation of isobutene by butanes Carbon molecular sieves Mixed micro- and mesoporous*

*solids Organocatalysis Process intensification and gas phase enzymatic reactions Hydrogen storage for fuel cells Reactive distillation Catalysts in action on an atomic scale Updated and expanded current events topics: Industry resistance to inherently safer chemistry Nuclear power Removal of mercury from vaccines Removal of mercury and lead from primary explosives Biofuels Uses for surplus glycerol New hard materials to reduce wear Electronic waste Smart growth The book covers traditional green chemistry topics, including catalysis, benign solvents, and alternative feedstocks. It also discusses relevant but less frequently covered topics with chapters such as Chemistry of Longer Wear and Population and the Environment. This coverage highlights the importance of chemistry to everyday life and demonstrates the benefits the expanded exploitation of green chemistry can have for society.*

*The Official Guide*

*Picturing Science and Engineering*

*Cite Right, Second Edition*

*Copper-Oxygen Chemistry*

*Molecular Driving Forces*

*Preparing for Your ACS Examination in General Chemistry*

**Covers the vastly expanding subject of oxidative processes mediated by copper ions**

within biological systems Copper-mediated biological oxidations offer a broad range of fundamentally important and potentially practical chemical processes that cross many chemical and pharmaceutical disciplines. This newest volume in the Wiley Series on Reactive Intermediates in Chemistry and Biology is divided into three logical areas within the topic of copper/oxygen chemistry—biological systems, theory, and bioinorganic models and applications—to explore the biosphere for its highly evolved and thus efficient oxidative transformations in the discovery of new types of interactions between molecular oxygen and copper ion. Featuring a diverse collection of subject matter unified in one complete and comprehensive resource, Copper-Oxygen Chemistry probes the fundamental aspects of copper coordination chemistry, synthetic organic chemistry, and biological chemistry to reveal both the biological and chemical aspects driving the current exciting research efforts behind copper-oxygen chemistry. In addition, Copper-Oxygen Chemistry: Addresses the significantly increasing literature on oxygen-atom insertion and carbon-carbon bond-forming reactions as well as enantioselective oxidation chemistries. Progresses from biological systems to spectroscopy and theory, and onward to bioinorganic models and applications. Covers a wide array of reaction types such as insertion and dehydrogenation reactions that



utilize the cheap, abundant, and energy-containing O<sub>2</sub> molecule. With thorough coverage by prominent authors and researchers shaping innovations in this growing field, this valuable reference is essential reading for bioinorganic chemists, as well as organic, synthetic, and pharmaceutical chemists in academia and industry.

This text analyzes the molecular mechanisms, chemical behaviour and regulation of iron transport in biological systems and offers novel methods for the assessment of iron transport across biological membranes. It details the characteristics and consequences of iron deficiency and excess to prevent diseases affecting major organ structures and promote bodily iron homeostasis.

transformations. There is no indication that this field has reached its zenith and it is the hope of the present author that this volume will fuel her progress.

Extensively updated and revised, this outstanding reference remains the definitive scientific resource for both academic and professional environments. Van Nostrand's Scientific Encyclopedia has long enjoyed a reputation as one of the most important comprehensive general scientific references available. Substantially revised to cover the many developments since the Eight Edition in 1994, this Ninth Edition ranges across all scientific disciplines as well as many areas of engineering and technology. Topics covered include animal science, anatomy, astronomy,

atmospheric science, chemistry, chemical engineering, civil engineering, computer science, earth science, energy sources, information science, life science, materials, mathematics, mechanical engineering, medicine, mining, physics, physiology, planetary science, plant science, power technology, space science, structural engineering, and a host of other subjects. Existing material has been extensively revised for this new edition, and numerous new articles bring the Encyclopedia up-to-date on the latest developments and state-of-the-art knowledge in every discipline. An expanded subject index makes information easier to find. An extensive revision program makes this series an important addition to personal as well as institutional libraries in both academic and industrial settings.

**The ACS Style Guide**

**Air University Style and Author Guide**

**A Guide and Resource**

**The CBE Manual for Authors, Editors, and Publishers**

**Write Like a Chemist**

**Cell Cycle and Growth Control**

*Ideal for anyone studying an introductory module in organisational behaviour, Introduction to Organisational Behaviour is a rigorous critique of all essential organisational behaviour topics. A comprehensive book with extensive accompanying online resources makes this a must-have package for anyone wanting to understand the theory and practice*

*of organisational behaviour. Practitioner case studies, supporting video interviews where solutions and approaches are discussed, review questions at the end of every chapter make this an essential resource. Covering organisational behaviour in the context of individuals, groups and teams and managing organisations as well as the importance of organisational structures and emerging issues, Introduction to Organisational Behaviour gives understanding and guidance on the full spectrum of organisational behaviour issues. Supported by extensive online resources including video interviews, clips of key skills lecture slides, additional tutorial activities and a test bank of multiple choice questions make this a truly integrated print and electronic learning package.*

*The chemical compositions of over 100 household product groups, along with 10 sample experiments, will show students how chemistry influences their everyday lives.*

*A guide to making scientific photographs for presentations, journal submissions, and covers, featuring step-by-step instructions and case studies, by an award-winning science photographer; illustrated in color throughout. One of the most powerful ways for scientists to document and communicate their work is through photography. Unfortunately, most scientists have little or no training in that craft. In this book, celebrated science photographer Felice Frankel offers a guide for creating science images that are both accurate and visually stunning. Picturing Science and*

*Engineering provides detailed instructions for making science photographs using the DSLR camera, the flatbed scanner, and the phone camera. The book includes a series of step-by-step case studies, describing how final images were designed for cover submissions and other kinds of visualizations. Lavishly illustrated in color throughout, the book encourages the reader to learn by doing, following Frankel as she recreates the stages of discovery that lead to a good science visual. Frankel shows readers how to present their work with graphics--how to tell a visual story--and considers issues of image adjustment and enhancement. She describes how developing the right visual to express a concept not only helps make science accessible to nonspecialists, but also informs the science itself, helping scientists clarify their thinking. Within the book are specific URLs where readers can view Frankel's online tutorials--visual "punctuations" of this printed edition. Additional materials, including tutorials and videos, can be found online at the book's website. Published with the help of funding from Furthermore: a program of the J. M. Kaplan fund*

*This comprehensive work provides detailed information on all known proteolytic enzymes to date. This two-volume set unveils new developments on proteolytic enzymes which are being investigated in pharmaceutical research for such diseases as HIV, Hepatitis C, and the common cold. Volume I covers aspartic and metallo peptidases while Volume II examines peptidases of cysteine, serine, threonine and*

*unknown catalytic type. A CD-ROM accompanies the book containing fully searchable text, specialised scissile bond searches, 3-D color structures and much more.*

*A Quick Guide to Citation Styles--MLA, APA, Chicago, the Sciences, Professions, and More*

*Introduction of Macromolecular Science/Polymeric Materials Into the Foundational Course in Organic Chemistry*

*Ionic Liquids in Polymer Systems*

*A Departure from Preformed Organometallic Reagents*

*The CSE Manual for Authors, Editors, and Publishers*

*Advances in Teaching Organic Chemistry*

*This book includes manuscripts from well-recognized international research groups that have taken different approaches to using ionic liquids in a variety of polymer applications. The chapters on polymer synthesis cover traditional free radical polymerizations, which have been shown to progress rapidly and yield high molecular weight polymers, and reverse atom transfer polymerizations. The ability to tune molecular weights and synthesize block copolymers has been attributed to long free radical lifetimes in ionic liquids. Other chapters cover a variety of uses for ionic liquids in polymer processing, designing specific material properties, and creating novel composites, such as ion gels and ionic liquid-carbon nanotube constructs. This book represents a new and exciting field in polymer chemistry and physics, and is growing rapidly as more fundamental knowledge of ionic liquids is uncovered.*

*Polyunsaturated fatty acids provide unique health benefits to consumers but also present the technician with difficult challenges in delivering these fatty acids in appealing foods that do not have the off-flavors associated with the oxidation products of these highly*

*labile materials. This book presents a comprehensive assessment of the current state of these stability issues, the nutritional effects and the potential for delivery in foods of Omega-3 fatty acids.*

*Currently most undergraduate programs in chemistry provide inadequate training in the area of polymeric materials. This despite the fact that these materials are largely responsible by the quality of life that everyone enjoys and that most chemistry graduates, at whatever level they decide to seek employment, will work in a polymer or a polymer-related area. This situation has been recognized by the ACS Committee on Profesional Training. Current committee guidelines contain the expectation that a treatment of polymeric materials will be a part of all foundational courses in chemistry. This is, perhaps, most readily done for the foundational organic chemistry course. Most commercial polymers commonly used by the consuming public are organic in composition and are formed by simple, easily-understood organic reactions. The preparation of polymeric materials can be used to illustrate many of the fundamental concepts of organic chemistry. Inclusion of some treatment of polymeric materials serves to stimulate student interest and enthusiasm for the course and to emphasize the central role that these materials occupy in their daily lives and the overall well-being of society. This volume, a product of an ACS symposium meeting, discusses these materials based on the most current trends and developments, and shows how these trends can be applied to organic chemistry courses.*

*Molecular Driving Forces, Second Edition E-book is an introductory statistical thermodynamics text that describes the principles and forces that drive chemical and biological processes. It demonstrates how the complex behaviors of molecules can result from a few simple physical processes, and how simple models provide surprisingly accurate insights into the workings of the molecular world. Widely adopted in its First Edition, Molecular Driving Forces is regarded by teachers and students as an accessible textbook that illuminates underlying principles and*

*concepts. The Second Edition includes two brand new chapters: (1) "Microscopic Dynamics" introduces single molecule experiments; and (2) "Molecular Machines" considers how nanoscale machines and engines work. "The Logic of Thermodynamics" has been expanded to its own chapter and now covers heat, work, processes, pathways, and cycles. New practical applications, examples, and end-of-chapter questions are integrated throughout the revised and updated text, exploring topics in biology, environmental and energy science, and nanotechnology. Written in a clear and reader-friendly style, the book provides an excellent introduction to the subject for novices while remaining a valuable resource for experts.*

*A Curious Mind*

*How 17 Molecules Changed History*

*Chemistry, Nutrition, and Health Effects*

*Molecular and Cellular Iron Transport*

*A Contemporary Approach*

*Basic Gas Chromatography*

During the last decade, fullerenes and carbon nanotubes have attracted special interest as new nanocarbons with novel properties. Because of their hollow caged structure, they can be used as containers for atoms and molecules, and nanotubes can be used as miniature test-tubes.

Chemistry of Nanocarbons presents the most up-to-date research on chemical aspects of nanometer-sized forms of carbon, with emphasis on fullerenes, nanotubes and nanohorns. All modern chemical aspects are mentioned, including noncovalent interactions, supramolecular assembly, dendrimers, nanocomposites, chirality, nanodevices, host-guest interactions, endohedral fullerenes, magnetic resonance imaging, nanodiamond particles and graphene. The book covers experimental and theoretical aspects of nanocarbons, as well as their uses and potential applications, ranging from molecular electronics to biology and medicine.

The Definitive Resource for Trauma Survivors, Their Loved Ones, and Helpers Trauma can take many forms, from witnessing a violent crime or surviving a natural disaster to living with the effects of abuse, rape, combat, or alcoholism. Deep emotional wounds may seem like they will never heal. However, with *The Post-Traumatic Stress Disorder Sourcebook*, Dr. Glenn Schiraldi offers a remarkable range of treatment alternatives and self-management techniques, showing survivors that the other side of pain is recovery and growth. Live your life more fully-without fear, pain, depression, or self-doubt Identify emotional triggers-and protect yourself from further harm Understand the link between PTSD and addiction-and how to break it Find the best treatments and techniques that are right for you This updated edition covers new information for war veterans and survivors with substance addictions. It also explores mindfulness-based treatments, couples strategies, medical aids, and other important treatment innovations.

Market\_Desc: Organic Chemists Special Features: · Provides updated, refined coverage of modern organic chemistry· Includes new skill-building exercises, problems, and challenge problems that help readers apply the material· Enables readers to learn a difficult subject with the help of an engaging writing style· Highlights biological and other real-world chemistry in the chapters· Contains the Organic View CD, a browser-based study tool with animated 3D graphics and review sections About The Book: This bestseller helps readers master basic skills with its clear and easy-to-follow presentation of key concepts. It focuses on the important ideas of organic chemistry and backs them up with illustrations and challenging problems. The authors' acclaimed writing style makes this thorny subject easy to grasp and comprehend. This edition brings the book to the forefront of the latest research developments.



The Sixth International Conference on Miniaturized Chemical and Biochemical Analysis Systems, known as IITAS2002, will be fully dedicated to the latest scientific and technological developments in the field of miniaturized devices and systems for realizing not only chemical and biochemical analysis but also synthesis. The first IITAS meeting was held in Enschede in 1994 with approximately 160 participants, bringing together the scientists with background in analytical and biochemistry with those with Micro Electro Mechanical Systems (MEMS) in one workshop. We are grateful to Piet Bergveld and Albert van den Berg of MESA Research Institute of the University of Twente for their great efforts to arrange this exciting first meeting. The policy of the meeting was succeeded by late Prof. Dr. Michael Widmer in the second meeting, IITAS'96 held in Basel with 275 participants. The first two meetings were held as informal workshops. From the third workshop, IITAS'98 (420 participants) held in Banff, the workshop had become a worldwide conference. Participants continued to increase in IITAS2000 (about 500 participants) held in Enschede and IITAS2001 (about 700 participants) held in Monterey. The number of submitted papers also dramatically increased in this period from 130 in 1998, 230 in 2000 to nearly 400 in 2001. From 2001, IITAS became an annual symposium. The steering committee meeting held in Monterey, confirmed the policy of former IITAS that quality rather than quantity would be the key-point and that the parallel-session format throughout the 3.

The Post-Traumatic Stress Disorder Sourcebook

Metal Catalyzed Reductive C-C Bond Formation

Omega-3 Fatty Acids

Selected Methods in Enzymology

Micro Total Analysis Systems 2002

***Napoleon's Buttons is the fascinating account of***

***seventeen groups of molecules that have greatly influenced the course of history. These molecules provided the impetus for early exploration, and made possible the voyages of discovery that ensued. The molecules resulted in grand feats of engineering and spurred advances in medicine and law; they determined what we now eat, drink, and wear. A change as small as the position of an atom can lead to enormous alterations in the properties of a substance-which, in turn, can result in great historical shifts. With lively prose and an eye for colorful and unusual details, Le Couteur and Burreson offer a novel way to understand the shaping of civilization and the workings of our contemporary world.***

***Explains the importance of using citations; outlines the various styles, including APA, MLA, and Chicago; and offers examples for each from a wide range of sources.***

***Guidelines from ACS to help authors and editors in preparing scientific texts.***

***Meant as a companion to The ACS Style Guide, not a competitor, this book is an extraordinary resource for upper-level chemistry majors as well as graduate students faced with writing a journal article, a conference abstract, or a thesis. Full of prepared research projects and exercises, WriteLike a Chemist provides expert instruction ideal for students from diverse backgrounds, including both native and nonnative speakers of English. It is specifically designed to help students transition from the writing skills required in undergraduate lecture and laboratory classes to writing skills required by career chemists: a journal article, a scientific poster, and a***

**research proposal. Each of these types of writing is directed towards a different audience, and writing for a journal requires a different writing style than writing a research proposal for the National Science Foundation. Thus to write like a chemist requires that one learns to write for different audiences. This book assists young scientists in developing that essential writing skill.**

**Introduction to Organic Laboratory Techniques  
Van Nostrand's Scientific Encyclopedia, 2 Volume Set  
Introduction to Organisational Behaviour  
Napoleon's Buttons**

**ORGANIC CHEMISTRY, 9TH ED**

**Chemistry for the Life Sciences**

ACS Style Guide Effective Communication of Scientific Information Oxford University Press

In the time since the second edition of The ACS Style Guide was published, the rapid growth of electronic communication has dramatically changed the scientific, technical, and medical (STM) publication world. This dynamic mode of dissemination is enabling scientists, engineers, and medical practitioners all over the world to obtain and transmit information quickly and easily. An essential constant in this changing environment is the requirement that information remain accurate, clear, unambiguous, and ethically sound. This extensive revision of The ACS Style Guide thoroughly examines electronic tools now available to assist STM writers in preparing manuscripts and communicating with publishers. Valuable updates include discussions of markup languages, citation of electronic sources, online submission of manuscripts, and preparation of figures, tables, and structures. In keeping current with the changing

environment, this edition also contains references to many resources on the internet. With this wealth of new information, The ACS Style Guide's Third Edition continues its long tradition of providing invaluable insight on ethics in scientific communication, the editorial process, copyright, conventions in chemistry, grammar, punctuation, spelling, and writing style for any STM author, reviewer, or editor. The Third Edition is the definitive source for all information needed to write, review, submit, and edit scholarly and scientific manuscripts.

In this thesis, Claudia Backes guides the reader through her multidisciplinary research into the non-covalent functionalization of carbon nanotubes in water. Although one of the most remarkable materials of the 21st century, carbon nanotubes often have limited application because of their intrinsically low solubility and polydispersity. The author shows that rational surfactant design is a powerful tool for chemists because it can unmask the key to solubilization and allow us to tailor nanotube surface and optical properties in a fully reversible fashion. Aspects of organic, physical and analytical chemistry, as well as colloidal sciences are covered in this outstanding work which brings us one step closer to exploiting this super-material its full potential.

Academy Award-winning producer Brian Grazer and an acclaimed business journalist examine the weekly "curiosity conversations" that have inspired Grazer to create some of America's favorite and iconic movies and television shows—from *24* to *A Beautiful Mind*.

Statistical Thermodynamics in Biology, Chemistry, Physics, and Nanoscience

Scientific Style and Format

Where Creativity and Commerce Collide, The  
Luminescent and Photoactive Transition Metal Complexes  
as Biomolecular Probes and Cellular Reagents  
Fundamental Aspects of Dispersion and Separation in Water  
Business Playground

***Selected Methods in Enzymology: Contemporary Enzyme Kinetics and Mechanism provides an introduction to enzyme kinetics and mechanism at an intermediate level. This book covers a variety of topics, including temperature effects in enzyme kinetics, cryoenzymology, substrate inhibition, enol intermediates enzymology, and heavy-atom isotope effects. Organized into 19 chapters, this book begins with an overview of derivation of rate equations as an integral part of the effective usage of kinetics as a tool. This text then examines the practical aspects of initial rate enzyme assay. Other chapters consider the basic procedures used in making decisions concerning kinetic mechanisms from initial-rate data. This book discusses as well the various aspects of both the theoretical background and the applications. The final chapter deals with the importance of achieving proficiency in formulating quantitative relationships describing enzyme behavior. This book is a valuable resource for students and research workers. Enzymologists and chemists will also find this book useful. Focuses on style for those publishing in the***

*scientific disciplines, including citations, abbreviations, and capitalization*

*The series Structure and Bonding publishes critical reviews on topics of research concerned with chemical structure and bonding. The scope of the series spans the entire Periodic Table and addresses structure and bonding issues associated with all of the elements. It also focuses attention on new and developing areas of modern structural and theoretical chemistry such as nanostructures, molecular electronics, designed molecular solids, surfaces, metal clusters and supramolecular structures. Physical and spectroscopic techniques used to determine, examine and model structures fall within the purview of Structure and Bonding to the extent that the focus is on the scientific results obtained and not on specialist information concerning the techniques themselves. Issues associated with the development of bonding models and generalizations that illuminate the reactivity pathways and rates of chemical processes are also relevant. The individual volumes in the series are thematic. The goal of each volume is to give the reader, whether at a university or in industry, a comprehensive overview of an area where new insights are emerging that are of interest to a larger scientific audience. Thus each review within the volume critically surveys one aspect of that topic and places it within the context of the volume as a whole. The*

*most significant developments of the last 5 to 10 years should be presented using selected examples to illustrate the principles discussed. A description of the physical basis of the experimental techniques that have been used to provide the primary data may also be appropriate, if it has not been covered in detail elsewhere. The coverage need not be exhaustive in data, but should rather be conceptual, concentrating on the new principles being developed that will allow the reader, who is not a specialist in the area covered, to understand the data presented. Discussion of possible future research directions in the area is welcomed. Review articles for the individual volumes are invited by the volume editors.*

*Readership: research scientists at universities or in industry, graduate students*

*Special offer For all customers who have a standing order to the print version of Structure and Bonding, we offer free access to the electronic volumes of the Series published in the current year via SpringerLink.*

*This writing guide, by the author of Pearson's best-selling Short Guide to Writing about Biology along with two well-known chemists, teaches students to think as chemists and to express ideas clearly and concisely through their writing. Providing students with the tools they'll need to be successful writers, A Short Guide to Writing about Chemistry emphasizes writing as a way*

*of examining, evaluating, and sharing ideas. The book teaches readers how to read critically, study, evaluate and report data, and how to communicate information clearly and logically. Students are also given detailed advice on locating, evaluating, and citing useful sources within the discipline; maintaining effective laboratory notebooks and writing laboratory reports; writing effective research proposals and reports; and communicating information to both professional and general audiences.*

*Contemporary Enzyme Kinetics and Mechanism  
ACS Style Guide*

*Effective Communication of Scientific  
Information*

*A Guide to Healing, Recovery, and Growth  
Introduction to Green Chemistry, Second  
Edition*

*The Secret to a Bigger Life*