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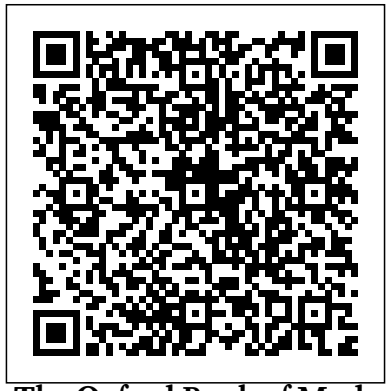

The Oxford Book of Modern Science Writing
Yale University Press
Writing ScienceHow to Write Papers That Get Cited and Proposals That Get FundedOxford University Press
Writing Science Writing ScienceHow to Write Papers That Get Cited and Proposals That Get Funded
This book is a comprehensive guide to scientific communication that has been used widely in courses and workshops as well as by individual scientists and other professionals since its first publication in 2002. This revision accounts for the many ways in which the globalization of research and the changing media landscape have altered scientific communication over the past decade. With an increased focus throughout on how research is communicated in industry, government, and non-profit centers as well as in academia, it now covers such topics as the opportunities and perils of online publishing, the need for translation skills, and the communication of scientific

findings to the broader world, both directly through speaking and writing and through the filter of traditional and social media. It also offers advice for those whose research concerns controversial issues, such as climate change and emerging viruses, in which clear and accurate communication is especially critical to the scientific community and the wider world.

Second Edition Corwin Press

Nature wants you dead. Not just you, but your children and everyone you have ever met and everyone they have ever met; in fact, everyone. It wants you to cough and sneeze and poop yourself into an early grave. It wants your blood vessels to burst and pustules to explode all over your body. And – until recently – it was really good at doing this… Covid-19 may be only the first of many modern pandemics. The subject of infection and how to fight it grows more urgent every day. How do pathogens cause disease? And what tools can we give our bodies to do battle? Dr John S. Tregoning has dedicated his career to answering these questions. Infectious uncovers fascinating success stories in immunology and virology, making this book not only a vital overview of infection, but also a hopeful story of ongoing human ingenuity.

Get Started in Writing Science Fiction and Fantasy **Penguin**

An authoritative how-to guide that explains every aspect of science proposal writing This fully revised edition of the authoritative guide to science proposal writing is an essential tool for any researcher embarking on a grant or thesis application. In accessible steps, the authors detail every stage of proposal writing, from conceiving and designing a project to analyzing data, synthesizing results, estimating a budget, and addressing reviewer comments and resubmitting. This new edition is updated to address changes and developments over the past decade, including identifying opportunities and navigating the challenging proposal funding environment. The only how-to book of its kind, it includes exercises to help readers stay on track as they develop their grant proposals and is designed for those in the physical, life, environmental, biomedical, and social sciences, as well as engineering.

How to Get Started in Freelance Science Writing Simon and Schuster

Science journalism has perhaps never been so critical to our world--and the demands on science journalists have never been greater. On any given day, a science journalist might need to explain the details of genetic engineering, analyze a development in climate change research, or serve as a watchdog helping to ensure the integrity of the scientific enterprise. And science writers have to spin tales seductive enough to keep readers hooked to the end, despite the endless other delights just a click away. How does one do it? Here, for the first time, is a collection of indispensable articles on the craft of science writing as told by some of the most skillful science journalists working today. These selections are a wealth of journalistic knowledge from The Open Notebook, the online

community that has been a primary resource for science journalists and aspiring science writers for the last decade. The Craft of Science Writing gives you a crew of accomplished, encouraging friends to whisper over your shoulder as you work. In these pages, you'll find interviews with leading journalists offering behind-the-scenes inspiration, as well as in-depth essays on the craft offering practical advice, including: How to make the transition into science writing How to find and pitch a science story to editors How to wade through a sea of technicalities in scientific papers to spot key facts How to evaluate scientific and statistical claims How to report on controversial topics How to structure a science story, from short news to long features How to engage readers in a science story and hold their attention to the end CONTRIBUTORS TO THE CRAFT OF SCIENCE WRITING: Christie Aschwanden, Siri Carpenter, Tina Casagrand, Jeanne Erdmann, Dan Fagin, Dan Ferber, Azeen Ghorayshi, Geoffrey Giller, Laura Helmuth, Jane C. Hu, Alla Katsnelson, Roxanne Khamsi, Maggie Koerth-Baker, Jyoti Madhusoodanan, Apoorva Mandavilli, Amanda Mascarelli, Robin Meadows, Kate Morgan, Tien Nguyen, Michelle Nijhuis, Aneri Pattani, Rodrigo Pérez Ortega, Mallory Pickett, Kendall Powell, Tasneem Raja, Sandeep Ravindran, Julia Rosen, Christina Selby, Alexandra Witze, Wudan Yan, Ed Yong, Rachel Zamzow, Sarah Zhang, Carl Zimmer.

Science Research Writing for Non-native Speakers of English Teach Yourself

Engage your students in scientific thinking across disciplines! Did you know that scientists spend more than half of their time reading and writing? Students who are science literate can analyze, present, and defend data – both orally and in writing. The updated edition of this bestseller offers strategies to link the new science standards with literacy expectations, and specific ideas you can put to work right away. Features include: A discussion of how to use science to develop essential 21st century skills Instructional routines that help students become better writers Useful strategies for using complex scientific texts in the classroom Tools to monitor student progress through formative assessment Tips for high-stakes test preparation

Science Research Writing Princeton University Press

Resumen: Are you a post-graduate student in Engineering, Science or Technology who needs to know how to: Prepare abstracts, theses and journal papers Present your work orally Present a progress report to your funding body Would you like some guidance aimed specifically at your subject area? ... This is the book for you; a practical guide to all aspects of post-graduate documentation for Engineering, Science and Technology students, which will prove indispensable to readers. Writing for Science and

Engineering will prove invaluable in all areas of research and writing due its clear, concise style. The practical advice contained within the pages alongside numerous examples to aid learning will make the preparation of documentation much easier for all students.

Writing for Earth Scientists Oxford University Press

This book enables STEMM researchers to write effective papers for publication as well as other research-related texts such as a doctoral thesis, technical report, or conference abstract. Science Research Writing uses a reverse-engineering approach to writing developed from extensive work with STEMM researchers at Imperial College London. This approach unpacks current models of STEMM research writing and helps writers to generate the writing tools needed to operate those models effectively in their own field. The reverse-engineering approach also ensures that writers develop future-proof strategies that will evolve alongside the coming changes in research communication platforms. The Second Edition has been extensively revised and updated to represent current practice and focuses on the writing needs of both early-stage doctoral STEMM researchers and experienced professional researchers at the highest level, whether or not they are native speakers of English. The book retains the practical, user-friendly format of the First Edition, and now contains seven units that deal separately with the components of written STEMM research communication: Introduction, Methods, Results, Discussion, Conclusion, Abstract and Title, as well as extensive FAQ responses and a new Checklist and Tips section. Each unit analyses extracts from recent published STEMM journal papers to enable researchers to discover not only what to write, but, crucially, how to write it. The global nature of science research requires fast, accurate communication of highly complex information that can be understood by all participants. Like the First Edition, the Second Edition is intended as a fast, do-it-yourself guide to make both the process and the product of STEMM research writing more effective.

Or the Evening Redness in the West Yale University Press

As a scientist, you are a professional writer: your career is built on successful proposals and papers. Success isn't defined by getting papers into print, but by getting them into the reader's consciousness. Writing Science is built upon the idea that successful science writing tells a story. It uses that insight to discuss how to write more effectively. Integrating lessons from other genres of writing with those from the author's years of experience as author, reviewer, and editor, the book shows scientists and students how

to present their research in a way that is clear and that will maximize reader comprehension. The book takes an integrated approach, using the principles of story structure to discuss every aspect of successful science writing, from the overall structure of a paper or proposal to individual sections, paragraphs, sentences, and words. It begins by building core arguments, analyzing why some stories are engaging and memorable while others are quickly forgotten, and proceeds to the elements of story structure, showing how the structures scientists and researchers use in papers and proposals fit into classical models. The book targets the internal structure of a paper, explaining how to write clear and professional sections, paragraphs, and sentences in a way that is clear and compelling. The ideas within a paper should flow seamlessly, drawing readers along. The final section of the book deals with special challenges, such as how to discuss research limitations and how to write for the public. Writing Science is a much-needed guide to succeeding in modern science. Its insights and strategies will equip science students, scientists, and professionals across a wide range of scientific and technical fields with the tools needed to communicate effectively.

Tips, Tricks, and a Learning Plan Penguin

Many scientists and engineers consider themselves poor writers or find the writing process difficult. The good news is that you do not have to be a talented writer to produce a good scientific paper, but you do have to be a careful writer. In particular, writing for a peer-reviewed scientific or engineering journal requires learning and executing a specific formula for presenting scientific work. This book is all about teaching the style and conventions of writing for a peer-reviewed scientific journal. From structure to style, titles to tables, abstracts to author lists, this book gives practical advice about the process of writing a paper and getting it published.

Pm286 Oxford University Press

The book helps scientists write papers for scientific journals. Using the key parts of typical scientific papers (Title, Abstract, Introduction, Visuals, Structure, and Conclusions), it shows through numerous examples, how to achieve the essential qualities required in scientific writing, namely being clear, concise, convincing, fluid, interesting, and organized. To enable the writer to assess whether these parts are well written from a reader's perspective, the book also offers practical metrics in the form of six checklists, and even an original Java application to assist in the evaluation. The focus of the book is on self- and reader-assisted assessment of the scientific journal article. It is also the first time that a book on scientific writing takes a human factor view of the reading task and the reader scientist. By revealing and addressing the physiological causes that create substantial reading difficulties, namely limited reader memory, attention span, and patience, the

book guarantees that writing will gain the much coveted reader-centered quality. Contents:The Reading Toolkit:Require Less from MemorySustain Attention to Ensure Continuous ReadingReduce Reading TimeKeep the Reader MotivatedBridge the Knowledge GapSet the Reader's ExpectationsSet Progression Tracks for Fluid ReadingDetect Sentence Fluidity ProblemsControl Reading Energy ConsumptionPaper Structure and Purpose:Title: The Face of Your PaperAbstract: The Heart of Your PaperHeadings-Subheadings: The Skeleton of Your PaperIntroduction: The Hands of Your PaperIntroduction Part II: Popular TrapsVisuals: The Voice of Your PaperConclusions: The Smile of Your PaperAdditional Resources for the Avid Learner Readership: Students, professional scientists and researchers. Keywords:Scientific Writing;Technical Writing;Written Scientific Communication;Writing Skills;Scientific Journal Paper;Scientific Article;Peer-Review;Fluid Writing;Academic WritingKey Features:The book's chapters on how to achieve fluidity in writing are ground breaking. Fluidity in scientific writing is what enables readers to sail through a scientific paper without major reading accidentsThe metrics that cover 6 major parts of a scientific paper, and the software application that facilitate the self-evaluation are also ground breakingA chapter on online resources augments this second editionReviews: “ This guide will be of use to many scientists, both new and familiar to the art of scientific writing. Consideration of the advice provided further develops the analytical reading skills required to critically review the work of others, as well as helping with the preparation of your own future articles. ” Chemistry World

Scientists Must Write Wspc (Europe) A concise and accessible primer on the scientific writer's craft The ability to write clearly is critical to any scientific career. The Scientist's Guide to Writing provides practical advice to help scientists become more effective writers so that their ideas have the greatest possible impact. Drawing on his own experience as a scientist, graduate adviser, and editor, Stephen Heard emphasizes that the goal of all scientific writing should be absolute clarity; that good writing takes deliberate practice; and that what many scientists need are not long lists of prescriptive rules but rather direct engagement with their behaviors and attitudes when they write. He combines advice on such topics as how to generate and maintain writing momentum with practical tips on structuring a scientific paper, revising a first draft, handling citations, responding to peer reviews, managing coauthorships, and more. In an accessible, informal tone, The Scientist's Guide to Writing explains essential techniques that students, postdoctoral researchers, and early-career scientists need to write more clearly, efficiently, and easily. Emphasizes writing as a process, not just a product Encourages habits that improve motivation and productivity Explains the structure of the scientific paper and the function of each part Provides detailed guidance on submission, review, revision,

and publication Addresses issues related to coauthorship, English as a second language, and more

Write Better Papers, Faster World Scientific

The time has come. You are an Earth scientist. You ' ve spent weeks, months, years working on this project – now is the time to pull it together for publication. You might be writing an undergraduate or graduate thesis, a research paper for a leading journal, a note for the newsletter of the local amateur scientific society, a book review or an abstract for a specialist geological conference. How do you make the transition from promising unpublished researcher to established academic author? Of course, the phrase ' academic publishing ' covers a multitude of sins; monographs, research papers, book reviews, conference abstracts or whatever each requires a different approach. You have to decide what it is you are going to write and where to publish it. There are co-authors, supervisors of your degree, peer reviewers and editors to deal with on the way. But the only way to write like an academic is to write like an academic. . . where do you start? You could do much worse than start here. There are many books on how to write and be published aimed at research students and other aspiring academics. Many of these are readable, comprehensive and provide good advice. This book is composed of numerous short chapters on this subject, all directly relevant to one or more aspects of academic publishing and aimed particularly at the Earth scientists in the broadest sense. Geologists will be encouraged to use the book as much as a reference as a reader, ' dipping in ' to the chapters that contain relevant tips, hints and comments to enable them to improve the paper that they are currently writing. The book is intended to be informative, readable and, above all, of practical application for all readers. In summary, the volume will be a readable compilation investigating many facets of academic publishing relevant to the Earth sciences. It will be of particular interest to postgraduate students, postdocs and new academics

Writing Successful Science Proposals Oxford University Press

Forget the struggles of writing a research paper - there is no need for headaches, self-doubt, and endless revisions. This book offers a blueprint for confident scientific writing even if you don't possess the writing gene. You will learn: How to become a prolific writer using four research paper writing steps called the "LEAP" How to make sense of research results and frame a message that convinces the readers How to answer viscous reviewers and get your paper accepted at the best journals What eight unwritten academic publishing rules you should follow to attract many citations Instead of fearing the writing process, the book will show

you how to leverage it as a way of understanding the research results. What's included: * A book full of actionable advice for becoming efficient at writing papers * Free tools, templates, and internet resources for writing, grammar editing, collaborative writing, journal selection, and more * Two printable cheat sheets that summarize the advice from this book

Writing for Science Journals Vintage

Efficient Scientific Writing gives you simple-to-use tools for writing a text that works. It helps you avoid wasting time and effort due to inefficient writing, and to develop habits for reliably producing text when you need to. In an accessible and engaging format, this book delivers the definitive guide to writing better papers, faster.

How to Write Papers That Get Cited and Proposals That Get Funded University of Chicago Press

Science.

Understandable Structure, Good Design, Convincing Presentation John Wiley & Sons

Science and technology have starring roles in a wide range of genres--science fiction, fantasy, thriller, mystery, and more. Unfortunately, many depictions of technical subjects in literature, film, and television are pure fiction. A basic understanding of biology, physics, engineering, and medicine will help you create more realistic stories that satisfy discerning readers. This book brings together scientists, physicians, engineers, and other experts to help you: • Understand the basic principles of science, technology, and medicine that are frequently featured in fiction. • Avoid common pitfalls and misconceptions to ensure technical accuracy. • Write realistic and compelling scientific elements that will captivate readers. • Brainstorm and develop new science- and technology-based story ideas. Whether writing about mutant monsters, rogue viruses, giant spaceships, or even murders and espionage, Putting the Science in Fiction will have something to help every writer craft better fiction. Putting the Science in Fiction collects articles from "Science in Sci-fi, Fact in Fantasy," Dan Koboldt's popular blog series for authors and fans of speculative fiction (dankoboldt.com/science-in-scifi). Each article discusses an element of sci-fi or fantasy with an expert in that field. Scientists, engineers, medical professionals, and others share their insights in order to debunk the myths, correct the misconceptions, and offer advice on getting the details right.

The Magic School Bus and the Climate Challenge Scholastic Inc.

One of the key tasks every researcher must perform is publishing their work, and most of this publication will occur in peer-reviewed journals. These publications are essential for promotion, recognition, and creating a dialogue with your colleagues around the world. Unfortunately, writing publication-quality manuscripts and guiding them through the peer-review process is a difficult, time-consuming, and often frustrating task. In this book, I'll teach you how to make the process easier based on what I've learned from more than 25 years of helping authors publish more than 6000 papers in some of the world's most prestigious journals (including Nature, Science, and PNAS). Writing for Science Journals explains the details of every section of a journal manuscript, including tips and tricks you won't find elsewhere about how to deal with the peculiar ways that journals work with authors and reviewers. I'll also deal with some of the implications of statistics and experimental design that you may have learned in school, but possibly not in an integrated form that guides you through

the steps necessary to perform publishable research. In each chapter, I'll provide a list of key points that you can use as the basis for developing a learning plan. I've also provided links to relevant online resources via a Links page that is available only to purchasers of the book, and an errata and additions page (see below) that will provide a forum for expanding on the book until the 2nd edition is available.

How to Reach Key Audiences to Advance Your Work Taylor & Francis

Peopled by larger-than-life heroes and villains, charged with towering questions of good and evil, Atlas Shrugged is Ayn Rand ' s magnum opus: a philosophical revolution told in the form of an action thriller—nominated as one of America ' s best-loved novels by PBS ' s The Great American Read. Who is John Galt? When he says that he will stop the motor of the world, is he a destroyer or a liberator? Why does he have to fight his battles not against his enemies but against those who need him most? Why does he fight his hardest battle against the woman he loves? You will know the answer to these questions when you discover the reason behind the baffling events that play havoc with the lives of the amazing men and women in this book. You will discover why a productive genius becomes a worthless playboy...why a great steel industrialist is working for his own destruction...why a composer gives up his career on the night of his triumph...why a beautiful woman who runs a transcontinental railroad falls in love with the man she has sworn to kill. Atlas Shrugged, a modern classic and Rand ' s most extensive statement of Objectivism—her groundbreaking philosophy—offers the reader the spectacle of human greatness, depicted with all the poetry and power of one of the twentieth century ' s leading artists.

Explaining Research Springer Science & Business Media

"Writing Science is built upon the idea that successful science writing tells a story, and it uses that insight to discuss how to write more effectively. Integrating lessons from other genres of writing and years of experience as author, reviewer, and editor, Joshua Schimel shows scientists and students how to present their research in a way that is clear and that will maximize reader comprehension ... Writing Science is a much-needed guide to succeeding in modern science. Its insights and strategies will equip science students, scientists, and professionals across a wide range of scientific and technical fields with the tools needed to communicate effectively and successfully in a competitive industry."--Back cover.