

Scientific Journals

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The Art and Politics of Science Cambridge University Press

In early 2012, the global scientific community erupted with news that the elusive Higgs boson had likely been found, providing potent validation for the Standard Model of how the universe works. Scientists from more than one hundred countries contributed to this discovery—proving, beyond any doubt, that a new era in science had arrived, an era of multinationalism and cooperative reach. Globalization, the Internet, and digital technology all play a role in making this new era possible, but something more fundamental is also at work. In all scientific endeavors lies the ancient drive for sharing ideas and knowledge, and now this can be accomplished in a single tongue—English. But is this a good thing? In *Does Science Need a Global Language?*, Scott L. Montgomery seeks to answer this question by investigating the phenomenon of global English in science, how and why it came about, the forms in which it appears, what advantages and disadvantages it brings, and what its future might be. He also examines the consequences of a global tongue, considering especially emerging and developing nations, where research is still at a relatively early stage and English is not yet firmly established. Throughout the book, he includes important insights from a broad range of perspectives in linguistics, history, education, geopolitics, and more. Each chapter includes striking and revealing anecdotes from the front-line experiences of today's scientists, some of whom have struggled with the reality of global scientific English. He explores topics such as student mobility, publication trends, world Englishes, language endangerment, and second language learning, among many others. What he uncovers will challenge readers to rethink their assumptions about the direction of contemporary science, as well as its future.

Journal of Scientific and Industrial Research Peer Review and Manuscript Management in Scientific Journals Guidelines for Good Practice

An essential guide for succeeding in today's competitive environment, this book provides beginning scientists and experienced researchers with practical advice on writing about their work and getting published. This brand new, updated edition also includes a new chapter on editing one's own work, a section on publicizing and archiving one's paper, and updates on authorship, including information on new authorship criteria and on the author identification number ORCID. The book guides readers through the processes involved in writing for and publishing in scientific journals, from choosing a suitable journal, to writing each part of the paper, to submitting the paper and responding to peer review, through checking the proofs. It covers ethical issues in scientific publishing, explains rights and permissions, and discusses writing grant proposals, giving presentations and writing for general audiences.

Effective Communication of Scientific Information National Taiwan University

Peer Review and Manuscript Management in Scientific Journals Guidelines for Good Practice John Wiley & Sons

Economics of Scientific Journals Routledge

A list of peer-reviewed scientific publications on the World Wide Web, as chosen by editorial staff of the AMA's Scientific Information and Multimedia Group.

Scientific Writing and Publishing OUP Oxford

Knowing how to prepare, write and publish high-quality research papers can be challenging for scientists at all stages of their career. This manual guides readers through successfully framing and presenting research findings, as well as the processes involved in publishing in learned journals. It draws on the author's wealth of practical experience, from working in academic research for over 40 years and teaching scientific writing in over 20 countries, to gaining insights as a journal editor. Well-written and logical, it provides clear step-by-step instructions to enable readers to become more effective at writing articles, and navigating difficulties related to journal submission, the review process, editing and publication. It comprehensively covers themes such as publication ethics, along with current topics including Open Access publishing and pre-print servers. This is a useful, user-friendly guide for graduate students, early career scientists, and more experienced researchers, particularly in the life and medical sciences.

Characteristics of Professional Scientific Journals, 1962 University of Chicago Press

The world of scholarly and not-for-profit publishing is facing many challenges at the start of the twenty-first century, from technical and organizational factors to prevailing social and economic conditions. If scholarly journals, in particular, are to survive, the publishers of these journals are going to have to make dramatic changes to the ways they create and distribute them. Work is already underway at some university presses who have developed creative solutions to overcome these challenges in producing print journals. These early innovators represent an opportunity for all publishers to build on the advantages of e-publishing and possibly reach even larger audiences. *Scholarly Journals in the New Digital World* demystifies the current state of scholarly journal publishing and offers a glimpse of hope for journals in the digital world. It will appeal not only to students and researchers but to anyone who has an interest in the future of publishing.

Scientific and Technological Challenges Elsevier

The pressure on graduate students and new PhDs to publish their work continues to grow with writing and publishing considered an important measure of career success within the academy. There is, however, more to the process of getting published than those who are new to the process initially realize. The aim of this guide is to clarify the process and offer advice. *Getting Published in Academic Journals* is written for graduate students and newly graduated PhDs who want to publish their research in peer-reviewed academic journals. *Getting Published in Academic Journals* draws on the experiences of the authors as editors of peer-reviewed journals, as teachers of writing-for-publication courses and workshops, as researchers of the scholarly publication process, as reviewers of hundreds of articles, and as published authors. The book is written to be used in courses and workshops on publishing, as a

supplement to the books in the revised and updated English in Today's Research World (Swales & Feak) series, and as a stand-alone guide for academic writers working independently. Book jacket.

Pharmaceutical Medicine National Academies Press

Iconoclastic physics professor and artist Andrzej Dragan presents a unique feast of knowledge on special relativity in a straightforward, progressive manner that even a savvy high school student could follow. Encompassing the derivation of Lorentz transformations to Wigner rotations and Thomas precession; from non-inertial accelerated reference frames to event horizons, curved spacetime, and static black holes; and from the Doppler effect to relativistic structure of electromagnetism, Dragan peels back the enigmatic layers of modern physics to enable a deeper understanding of Einstein's groundbreaking theory. Comprehensive and elegantly written, full of insightful apparent paradoxes and riddles, but without any complicated math, Dragan's unique overview takes the reader well beyond the orthodox verses of standard Special Relativity to the bleeding edge of new-fangled superluminal apocrypha and their relation to Quantum Theory. The book is based on a course on Special Relativity and acclaimed by students taught by Dragan who is a leader of a research group on Relativistic Quantum Information theory at the University of Warsaw and the National University of Singapore.

Reprints on the Paleontology of the Horse from Various Scientific Journals Nova Science Pub Incorporated

This book, first published in 1987, brings together from a variety of sources analysis on the major issues involved in the collection of scientific journals. Working from the premise that scientists tend to know much more about their subject than about their journals, it examines the rationale for journal choices, journals and tenure, journals and budgeting, and the elements of a good journal. It shows librarians how to penetrate the internal structure of some imposing technical literatures in a way that can help them make responsible collection management decisions that even their science clientele will respect.

Deep Learning in Biology and Medicine Cambridge University Press

Mechanical and thermal properties are reviewed and electrical and magnetic properties are emphasized. Basics of symmetry and internal structure of crystals and the main properties of metals, dielectrics, semiconductors, and magnetic materials are discussed. The theory and modern experimental data are presented, as well as the specifications of materials that are necessary for practical application in electronics. The modern state of research in nanophysics of metals, magnetic materials, dielectrics and semiconductors is taken into account, with particular attention to the influence of structure on the physical properties of nano-materials. The book uses simplified mathematical treatment of theories, while emphasis is placed on the basic concepts of physical phenomena in electronic materials. Most chapters are devoted to the advanced scientific and technological problems of electronic materials; in addition, some new insights into theoretical facts relevant to technical devices are presented. *Electronic Materials* is an essential reference for newcomers to the field of electronics, providing a fundamental understanding of important basic and advanced concepts in electronic materials science. Provides important overview of the fundamentals of electronic materials properties significant for device applications along with advanced and applied concepts essential to those working in the field of electronics Takes a simplified and mathematical approach to theories essential to the understanding of electronic materials and summarizes important takeaways at the end of each chapter Interweaves modern experimental data and research in topics such as nanophysics, nanomaterials and dielectrics *Scientific Journals: Issues in Library Selection and Management* John Wiley & Sons

"The aim of this book is to provide guidelines for preparing papers and presentations so that your message can be transmitted clearly and concisely to the reader or listener. Techniques for improving your writing, literature searching and training students in communication are also discussed. In this revised edition a few more topics have been added, such as electronic submission of manuscripts, writing statistics, and writing research proposals." -- Publisher's description.

Numerical Correlation between Impact Factor and Web Ranking of Electronic Scientific Journals Using Regression Analysis Oxford University Press

J. Matthias Starck comprehensively guides the reader in this essential through all steps of writing an expert review for a scientific journal. It is built on a succinct analysis how science works, how science is communicated and how science is published. It provides a critical guide how to write good, informative and fair peer reviews. The author presents a critical discussion of different peer review procedures and their alternatives, explains ethical guidelines as well as the dark sides of scientific publishing. So this essential helps the reader to perform better in the existing system and to contribute to its further development and improvement.

Agricultural Experiment Station Scientific Journals Series Sciendo

Astrophysical Recipes: The art of AMUSE delves into the ways in which computational science and astrophysics are connected and how the bridge between observation and theory are understood. This book provides a unique outline of the basic principles of performing simulations for astrophysical phenomena, in order to better increase and understand these observations and theories.

A Practical Guide to Realistic Evaluation SAGE

Suggests to librarians how to create a good collection of scientific journals keeping tabs on the industry and finding acceptable alternatives to the expensive European publications. Annotation copyright Book News, Inc. Portla Or. English and the Future of Research CRC Press

The breadth of the pharmaceutical medicine can be daunting, but this book is designed to navigate a path through the speciality. Providing a broad overview of all topics relevant to the discipline of pharmaceutical medicine, it gives you the facts fast, in a user-friendly format, without having to dive through page upon page of dense text. With 136 chapters spread across 8 sections, the text offers a thorough grounding in issues ranging from medicines regulation to clinical trial design and data management. This makes it a useful revision aid for exams as well as giving you a taster of areas of pharmaceutical medicine adjacent to your current role. For

healthcare professionals already working in the field, this book offers a guiding hand in difficult situations as well as supplying rapid access to the latest recommendations and guidelines. Written by authors with experience in the industry and drug regulation, this comprehensive and authoritative guide provides a shoulder to lean on throughout your pharmaceutical career.

Improving Library Collections Through Analysis of Publishing Trends Springer Nature

The essays collected in Tattooed Bodies draw on a range of theoretical paradigms and empirical knowledge to investigate tattoos, tattooing, and our complex relations with marks on skin. Engaging with perspectives in art history, continental philosophy, media studies, psychoanalysis, critical theory, literary studies, biopolitics, and cultural anthropology, the volume reflects the diversity of meanings attributed to tattoos across cultures. Essays explore tattoos and tattooing in Derrida, Deleuze and Guattari, Lacan, Agamben, and Jean-Luc Nancy, while interpreting tattoos in literary works by Melville, Beckett, Kafka, Genet, and Jeff VanderMeer, among others. James Martell is Associate Professor of French at Lyon College, USA. Erik Larsen is Assistant Professor of Medical Humanities at the University of Rochester, USA.

Scientific Journals Wspc (Europe)

With over 600 signed entries, The SAGE Encyclopedia of Higher Education demonstrates the impact higher education has had on global economies and universities across the world. Topics include:

- students burdened with higher tuition fees
- departments expected to produce courses and research that have clear and demonstrable social impact
- what the university is and how it meets social and business requirements

This encyclopedia touches on all aspects of higher education through:

- key concepts
- debates
- approaches
- schools of thought on higher education
- role of universities

As an interdisciplinary field, these volumes will prove to be an essential resource for students and researchers in education, sociology, politics and other related fields across the humanities and social science disciplines.

Scientific Journals Elsevier

In this 2013 winner of the prestigious R.R. Hawkins Award from the Association of American Publishers, as well as the 2013 PROSE Awards for Mathematics and Best in Physical Sciences & Mathematics, also from the AAP, readers will find many of the most significant contributions from the four-volume set of the Collected Works of A. M. Turing. These contributions, together with commentaries from current experts in a wide spectrum of fields and backgrounds, provide insight on the significance and contemporary impact of Alan Turing's work. Offering a more modern perspective than anything currently available, Alan Turing: His Work and Impact gives wide coverage of the many ways in which Turing's scientific endeavors have impacted current research and understanding of the world. His pivotal writings on subjects including computing, artificial intelligence, cryptography, morphogenesis, and more display continued relevance and insight into today's scientific and technological landscape. This collection provides a great service to researchers, but is also an approachable entry point for readers with limited training in the science, but an urge to learn more about the details of Turing's work. 2013 winner of the prestigious R.R. Hawkins Award from the Association of American Publishers, as well as the 2013 PROSE Awards for Mathematics and Best in Physical Sciences & Mathematics, also from the AAP Named a 2013 Notable Computer Book in Computing Milieux by Computing Reviews Affordable, key collection of the most significant papers by A.M. Turing Commentary explaining the significance of each seminal paper by preeminent leaders in the field Additional resources available online

Alan Turing: His Work and Impact University of Calgary 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.

Current Russian Science and Technology W. W. Norton & Company

Calculator Programming for Chemistry and the Life Sciences illustrates the power of the programmable calculator as a tool that provides new dimensions to scientific research. This book is divided into four chapters. Each chapter provides calculation, examples, instructions, design, and programs. This text includes the application of calculator programming in the determination of molecular formulas, coordinate transformations, potentiometric titrations, and correlation analysis. This book is of great value to scientists and students with no experience in the use of computers.