

acs chemical biology impact factor

ACS Chemical Biology Impact Factor: A Comprehensive Guide

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Summary: This guide provides a comprehensive overview of the ACS Chemical Biology impact factor, explaining its calculation, significance, and limitations. It further outlines best practices for authors seeking to publish in high-impact journals like ACS Chemical Biology and highlights common pitfalls to avoid during the submission and publication process. The article delves into the importance of understanding the journal's scope, the significance of impact factor in career advancement, and the need to focus on high-quality research rather than solely chasing a high impact factor.

Keywords: ACS Chemical Biology impact factor, journal impact factor, chemical biology research, publication strategy, scientific publishing, ACS publications, high-impact journals, peer review, citation analysis, journal selection, research impact.

Understanding the ACS Chemical Biology Impact Factor

The ACS Chemical Biology impact factor is a crucial metric used to assess the relative importance and influence of the journal ACS Chemical Biology within the field of chemical biology. It represents the average number of citations received per published article in a specific year (usually the previous two years). A higher ACS Chemical Biology impact factor generally indicates that articles published in the journal are frequently cited by other researchers, suggesting a greater influence and impact on the field.

The impact factor is calculated by Clarivate Analytics' Journal Citation Reports (JCR), a widely recognized database that tracks citation data across various scientific journals. Understanding the ACS Chemical Biology impact factor is crucial for researchers considering publishing their work in

this prestigious journal.

The Significance of the ACS Chemical Biology Impact Factor

The ACS Chemical Biology impact factor plays a significant role in several aspects of academic life:

Journal Ranking: It helps researchers compare the relative prestige and influence of different journals within the field of chemical biology. A higher impact factor often signifies higher visibility and broader readership.

Career Advancement: The impact factor of journals where researchers publish their work can heavily influence their career progression, including securing grants, promotions, and tenure.

Research Funding: Funding agencies often consider the impact factor of journals when evaluating grant proposals. Publications in high-impact journals like ACS Chemical Biology can increase the likelihood of securing funding.

Visibility and Dissemination: High-impact journals like ACS Chemical Biology have a larger readership, ensuring greater visibility and dissemination of research findings.

Best Practices for Publishing in ACS Chemical Biology

To maximize the chances of publishing in a high-impact journal like ACS Chemical Biology, researchers should consider these best practices:

1. **Thorough Research and Clear Objectives:** Ensure your research is original, well-designed, and addresses a significant gap in the field. Clearly define your research objectives and hypotheses.
2. **Rigorous Methodology:** Employ robust and reproducible experimental methods. Clearly document all procedures and data analysis techniques.
3. **High-Quality Writing:** Prepare a well-written and concise manuscript, adhering to the journal's specific guidelines. Seek feedback from colleagues and professional editors to improve clarity and readability.
4. **Targeted Journal Selection:** Carefully consider the scope and audience of ACS Chemical Biology before submitting your manuscript. Ensure your research aligns with the journal's focus areas.
5. **Effective Manuscript Preparation:** Follow the journal's author guidelines meticulously. Address all reviewer comments thoroughly and professionally.
6. **Post-Publication Promotion:** After publication, actively promote your research through various channels, including social media, presentations at conferences, and outreach to relevant media.

Common Pitfalls to Avoid

Researchers should avoid these common pitfalls when aiming to publish in ACS Chemical Biology:

1. Focusing solely on the impact factor: Prioritize the quality of your research over the impact factor. High-quality research is more likely to be cited regardless of the journal.
2. Ignoring journal scope: Submitting a manuscript that does not align with the journal's scope significantly reduces the chances of acceptance.
3. Poorly written manuscripts: A poorly written manuscript, regardless of the research quality, is unlikely to be accepted.
4. Insufficient response to reviewers: Ignoring or inadequately responding to reviewer comments can lead to rejection.
5. Ignoring ethical considerations: Ensure all research practices adhere to ethical guidelines and regulations.

Conclusion

The ACS Chemical Biology impact factor is a significant metric in assessing the journal's influence and the impact of published research. While it plays an important role in career advancement and research funding, researchers should focus on conducting high-quality research and selecting the most appropriate journal for their work. By adhering to best practices and avoiding common pitfalls, researchers can significantly increase their chances of publishing their research in prestigious journals such as ACS Chemical Biology, ultimately contributing to the advancement of the field of chemical biology.

FAQs

1. What is the current ACS Chemical Biology impact factor? The current impact factor varies year to year and can be found on the Journal Citation Reports (JCR) website.
1. How is the ACS Chemical Biology impact factor calculated? It's calculated by dividing the number of citations received by articles published in the journal in the past two years by the total number of articles published in those two years.
1. Is the ACS Chemical Biology impact factor the only metric to consider when choosing a journal? No, several other factors, including the journal's scope, audience, and reputation,

should also be considered.

1. How can I improve my chances of publication in ACS Chemical Biology? Focus on high-quality research, rigorous methodology, clear writing, and careful adherence to the journal's guidelines.
1. What happens if my manuscript is rejected by ACS Chemical Biology? Revise your manuscript based on reviewer comments and consider submitting it to another appropriate journal.
1. Is a high impact factor always an indicator of high-quality research? Not necessarily; a high impact factor indicates high citation frequency, not necessarily superior research quality.
1. Can I predict the impact factor of my research before publication? No, you cannot predict the exact impact factor of your research.
1. How does the ACS Chemical Biology impact factor compare to other journals in the field? Comparing impact factors across journals requires analyzing the JCR database to compare similar journals within the chemical biology field.
1. What role does open access play in the ACS Chemical Biology impact factor? While open access can increase article visibility and potentially citations, the impact factor calculation considers all citations regardless of publication access.

Related Articles:

1. "The Impact of Open Access on Journal Impact Factors: A Case Study of ACS Chemical Biology": This article analyzes the influence of open access publishing on the ACS Chemical Biology impact factor and citation patterns.

1. "Navigating the Peer-Review Process for ACS Chemical Biology": This article provides a detailed guide on preparing and submitting manuscripts to ACS Chemical Biology, including tips for navigating the peer-review process.
1. "Best Practices for Writing a Compelling Chemical Biology Manuscript": This article offers insights into effective scientific writing techniques specifically tailored for the field of chemical biology and journals like ACS Chemical Biology.
1. "The Role of Impact Factor in Research Funding Decisions": This article explores the influence of journal impact factor on grant applications and research funding success.
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acs chemical biology impact factor: *Glyco-Engineering* Alexandra Castilho, 2015-06-17 Conceived with the intention of providing an array of strategies and technologies currently in use for glyco-engineering distinct living organisms, this book contains a wide range of methods being developed to control the composition of carbohydrates and the properties of proteins through manipulations on the production host rather than in the protein itself. The first five sections deal with host-specific glyco-engineering and contain chapters that provide protocols for modifications of the glycosylation pathway in bacteria, yeast, insect, plants and mammalian cells, while the last two sections explore alternative approaches to host glyco-engineering and selected protocols for the analysis of the N-glycans and glyco-profiling by mass spectrometry. Written for the highly successful Methods in Molecular Biology series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols and tips on troubleshooting and avoiding known pitfalls. Authoritative and extensive, *Glyco-Engineering: Methods and Protocols* offers vast options to help researchers to choose the expression system and approach that best suits their intended protein research or applications.

acs chemical biology impact factor: *Kinase Drug Discovery* Richard A. Ward, Frederick Goldberg, 2012 Kinase drug discovery remains an area of significant interest across academia and in the pharmaceutical industry. There are now around 13 FDA approved small molecule drugs which target kinases and many more compounds in various stages of clinical development. Although there have been a number of reviews/publications on kinase research, this book fills a gap in the literature by considering the current and future opportunities and challenges in targeting this important family of enzymes. The book is forward-looking and identifies a number of hot topics and key areas for kinase drug discovery over the coming years. It includes contributions from highly respected authors with a combined experience in the industry of well over 200 years, which has resulted in a book of great interest to the kinase field and across drug discovery more generally. Readers will gain a real insight into the huge challenges and opportunities which this target class has presented drug discovery scientists. The many chapters cover a wide breadth of topics, are well written and include high quality colour and black and white images. Topics covered include an outline of how medicinal chemistry has been able to specifically exploit this unique target class, along with reflections on the mechanisms of kinase inhibitors. Also covered is resistance to kinase inhibitors caused by amino acid mutations, case studies of kinase programs and reviews areas beyond protein kinases and beyond the human kinome. Also described are modern approaches to finding kinase leads and the book finishes with a reflection of how kinase drug discovery may progress over the coming years.

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acs chemical biology impact factor: Transforming Glycoscience National Research Council, Division on Earth and Life Studies, Board on Life Sciences, Board on Chemical Sciences and Technology, Committee on Assessing the Importance and Impact of Glycomics and Glycosciences, 2012-10-23 A new focus on glycoscience, a field that explores the structures and functions of sugars, promises great advances in areas as diverse as medicine, energy generation, and materials science, this report finds. Glycans-also known as carbohydrates, saccharides, or simply as sugars-play central roles in many biological processes and have properties useful in an array of applications. However, glycans have received little attention from the research community due to a lack of tools to probe their often complex structures and properties. Transforming Glycoscience: A Roadmap for the Future presents a roadmap for transforming glycoscience from a field dominated by specialists to a widely studied and integrated discipline, which could lead to a more complete understanding of glycans and help solve key challenges in diverse fields.

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development of new anticancer drugs. Containing concise reviews of multidisciplinary fields of research, this book offers a wealth of ideas on current and future molecular targets for drug design, including signal transduction, the cell division cycle, and programmed cell death. Detailed descriptions of sources for new drugs and methods for testing and clinical trial design are also provided. - One work that can be consulted for all aspects of anticancer drug development - Concise reviews of research fields, combined with practical scientific detail, written by internationally respected experts - A wealth of ideas on current and future molecular targets for drug design, including signal transduction, the cell division cycle, and programmed cell death - Detailed descriptions of the sources of new anticancer drugs, including combinatorial chemistry, phage display, and natural products - Discussion of how new drugs can be tested in preclinical systems, including the latest technology of robotic assay systems, cell culture, and experimental animal techniques - Hundreds of references that allow the reader to access relevant scientific and medical literature - Clear illustrations, some in color, that provide both understanding of the field and material for teaching

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include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, *Cell-Free Gene Expression: Methods and Protocols* serves as an ideal guide for researchers seeking technical methods to current aspects of CFE and related applications.

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acs chemical biology impact factor: Organometallic Reactions Ernest I. Becker, Minoru Tsutsui, 1971

acs chemical biology impact factor: Nanoscale Assembly Wilhelm T.S. Huck, 2006-07-11 Nanotechnology has received tremendous interest over the last decade, not only from the scientific community but also from a business perspective and from the general public. Although nanotechnology is still at the largely unexplored frontier of science, it has the potential for extremely exciting technological innovations that will have an enormous impact on areas as diverse as information technology, medicine, energy supply and probably many others. The miniturization of devices and structures will impact the speed of devices and information storage capacity. More importantly, though, nanotechnology should lead to completely new functional devices as nanostructures have fundamentally different physical properties that are governed by quantum effects. When nanometer sized features are fabricated in materials that are currently used in electronic, magnetic, and optical applications, quantum behavior will lead to a set of unprecedented properties. The interactions of nanostructures with biological materials are largely unexplored. Future work in this direction should yield enabling technologies that allows the study and direct manipulation of biological processes at the (sub) cellular level.

acs chemical biology impact factor: How Tobacco Smoke Causes Disease United States. Public Health Service. Office of the Surgeon General, 2010 This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

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acs chemical biology impact factor: Noncanonical Amino Acids Edward A. Lemke, 2018

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roles of gap junctions in the brain. In addition, the book also discusses human disease conditions associated with mutations in single gap junction connexion genes, making it applicable to clinicians doing translational research. Finally, it includes reviews of pharmacological studies with gap junction blockers and openers, summarizing information obtained from phenotyping gap junctions mouse mutants. - Serves as the most current and comprehensive reference available covering the physiological, behavioral and pathophysiological roles of gap junctions in the brain - Chapters summarize knowledge of the basic physiology of gap junctions in the brain, as well as of human disease conditions associated with mutations in single gap junction connexin genes - Includes reviews of pharmacological studies with gap junction blockers and openers, summarizing information obtained from phenotyping gap junctions mouse mutants

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Epigenetics series, offers a synthesized discussion of epigenetic control of metabolic activity, and systems-based approaches for better understanding these mechanisms. Over a dozen chapter authors provide an overview of epigenetics in translational medicine and metabolomics techniques, followed by analyses of epigenetic and metabolomic linkage mechanisms likely to result in effective identification of disease biomarkers, as well as new therapies targeting the removal of the inappropriate epigenetic alterations. Epigenetic interventions in cancer, brain damage, and neuroendocrine disease, among other disorders, are discussed in-depth, with an emphasis on exploring next steps for clinical translation and personalized healthcare. - Offers a synthesized discussion of epigenetic regulation of metabolic activity and systems-based approaches to power new research - Discusses epigenetic control of metabolic pathways and possible therapeutic targets for cancer, neurodegenerative, and neuroendocrine diseases, among others - Provides guidance in epigenomics and metabolomic research methodology

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Tavassoli, 2020-12-07 Protein-protein interactions (PPI) are at the heart of the majority of cellular processes, and are frequently dysregulated or usurped in disease. Given this central role, the inhibition of PPIs has been of significant interest as a means of treating a wide variety of diseases. However, there are inherent challenges in developing molecules capable of disrupting the relatively featureless and large interfacial areas involved. Despite this, there have been a number of successes in this field in recent years using both traditional drug discovery approaches and innovative, interdisciplinary strategies using novel chemical scaffolds. This book comprehensively covers the various aspects of PPI inhibition, encompassing small molecules, peptidomimetics, cyclic peptides, stapled peptides and macrocycles. Illustrated throughout with successful case studies, this book provides a holistic, cutting-edge view of the subject area and is ideal for chemical biologists and medicinal chemists interested in developing PPI inhibitors.

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The most complete fluorescent labeling and detection reference available, The Molecular Probes Handbook A Guide to Fluorescent Probes and Labeling Technologies contains over 3,000 technology solutions representing a wide range of biomolecular labeling and detection reagents. The significantly revised 11th Edition features extensive references, reorganized content, and new technical notes and product highlights.

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Kobayashi, Klaus Müllen, 2015-06-12 Over the last few years, nanoscience and nanotechnology have been the focus of significant research attention, both from academia and industry. This sustained focus has in-turn driven the interdisciplinary field of material science research to the forefront of scientific inquiry through the creation and study of nanomaterials. Nanomaterials play an important

role in the development of new materials as they can be used to influence and control physical properties and specific characteristics of other materials. Nanostructured materials that have been created include nanoparticles, nanocapsules, nanoporous materials, polymer multi-layers to name a few. These are increasingly used across applications as diverse as automotive, environment, energy, catalysis, biomedical, pharmaceutical, and polymer industries. The Encyclopedia of Polymeric Nanomaterials (EPN) intends to be a comprehensive reference work on this dynamic field studying nanomaterials within the context of the relationship between molecular structure and the properties of polymeric materials. Alphabetically organized as an encyclopedic Major Reference Work, EPN will cover the subject along multiple classification axes represented by name, source, properties, function, and structures or even processes, applications and usage. The underlying themes of the encyclopedia has been carefully identified to be based not just on material-based and function-based representation but also on structure- and process-based representation. The encyclopedia will have an exclusive focus on polymeric nanomaterials (for e.g., nanoceramics, nanocomposites, quantum dots, thin films) and will be a first of its kind work to have such an organization providing an overview to the concepts, practices and applications in the field. The encyclopedia intends to cover research and development work ranging from the fundamental mechanisms used for the fabrication of polymeric nanomaterials to their advanced application across multiple industries.

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