

science immunology impact factor 2021

Science Immunology Impact Factor 2021: Understanding Its Significance in the Research Community

science immunology impact factor 2021 is a phrase that has garnered significant attention among researchers, academics, and professionals involved in the field of immunology. As the scientific community continues to expand and evolve, the importance of reliable metrics to gauge the influence and quality of journals becomes paramount. Impact factors serve as one such key indicator, providing insight into the prominence and reach of scientific publications. In this article, we will explore the significance of the Science Immunology impact factor for the year 2021, its implications for researchers, and how it fits within the broader context of immunological research.

What Is the Science Immunology Impact Factor?

The impact factor is a metric developed by Clarivate Analytics and published in the Journal Citation Reports (JCR). It measures the average number of citations received per paper published in a journal during the preceding two years. Simply put, it reflects how often articles from a specific journal are cited by other researchers, indicating the journal's influence and standing in a particular field.

Science Immunology, a prestigious journal under the umbrella of the American Association for the Advancement of Science (AAAS), focuses on publishing cutting-edge research in immunology. The impact factor for Science Immunology in 2021 provides a snapshot of how influential the journal was in disseminating high-quality immunological research during that period.

The Importance of the Science Immunology Impact Factor 2021

Why Researchers Care About Impact Factors

For scientists and academics, publishing in journals with high impact factors is often seen as a mark of credibility and prestige. The Science Immunology impact factor 2021 serves as a benchmark for authors who want to ensure their work reaches a wide audience and has a meaningful impact. Moreover, institutions and funding agencies might consider the impact factor of journals when evaluating research output, which further elevates its importance.

Reflecting the Growth of Immunology Research

The field of immunology has witnessed rapid advancements, especially with breakthroughs in vaccine development, immunotherapies, and understanding immune system mechanisms. The Science Immunology impact factor 2021 reflects the journal's role as a leading platform for these discoveries. A rising impact factor often correlates with increasing citations, which indicates that published studies

are influencing ongoing research and clinical applications.

Science Immunology Impact Factor 2021: What the Numbers Tell Us

While the exact impact factor number for Science Immunology in 2021 was approximately 25.3, this figure is more than just a number. It signifies that, on average, articles published in Science Immunology during 2019 and 2020 were cited over 25 times in 2021. This is a considerable achievement, positioning the journal among the top-tier publications in the immunology category.

Comparisons With Other Immunology Journals

To fully appreciate the Science Immunology impact factor 2021, it's useful to compare it with other leading immunology journals. Journals like Immunity, Nature Immunology, and The Journal of Immunology also have high impact factors, but Science Immunology's position reflects its unique contribution to the field, often emphasizing mechanistic insights and translational immunology.

Factors Influencing Impact Factor Fluctuations

Impact factors can vary year to year due to several reasons:

- **Publication Trends:** The number of high-quality, groundbreaking papers published can increase citations.
- **Special Issues:** Special thematic issues may attract more citations.
- **Research Hotspots:** Emerging areas in immunology, like COVID-19 research, can lead to citation spikes.
- **Editorial Policies:** Journals that prioritize rigorous peer review and rapid publication often attract influential papers.

Science Immunology's editorial approach and focus on timely, impactful research have likely contributed to its robust impact factor in 2021.

How the Science Immunology Impact Factor 2021 Influences Research Careers

Academic Advancement and Recognition

Publishing in a high-impact journal such as Science Immunology can be a career milestone for researchers. A strong impact factor reflects well on authors' work, often facilitating promotions, grant approvals, and collaborations. For early-career scientists, securing a publication in Science Immunology can open doors to new opportunities and establish their reputation in the immunology community.

Funding and Grant Applications

Grant committees and funding bodies frequently consider the quality of publication venues when assessing applications. Articles published in journals with high impact factors, like Science Immunology in 2021, are generally viewed as evidence of rigorous and meaningful research. This perception can enhance a researcher's chances of securing financial support for future projects.

Understanding Limitations of Impact Factor in Immunology

While the impact factor is a widely used metric, it is not without criticism. It primarily focuses on citation quantity rather than quality. Some highly cited papers may be controversial or flawed, and the metric does not account for the broader societal impact or clinical relevance of research.

Moreover, the impact factor favors journals that publish review articles, which typically garner more citations than original research. Therefore, while the Science Immunology impact factor 2021 is a valuable indicator of influence, it should be considered alongside other metrics such as the h-index, altmetrics, and peer reputation.

Alternative Metrics to Consider

To gain a comprehensive understanding of a journal's impact, researchers and institutions may look at:

- **Eigenfactor Score:** Measures the journal's overall influence in the scientific community.
- **Article Influence Score:** Reflects the average influence of articles in the journal over five years.
- **Altmetric Attention Score:** Tracks online attention and social media mentions.

These complementary metrics provide a richer picture of Science Immunology's standing beyond the 2021 impact factor alone.

Tips for Researchers Targeting Science Immunology

If you are aiming to publish your work in Science Immunology, understanding the impact factor and the journal's scope can guide your preparation. Here are some practical tips:

1. **Focus on Novelty and Significance:** Science Immunology favors studies that offer groundbreaking insights or innovative methodologies.
2. **Emphasize Mechanistic Understanding:** Papers that delve into the underlying mechanisms of immune responses tend to resonate well with the journal's audience.
3. **Stay Updated with Trends:** Areas such as immunotherapy, infectious diseases, and immune regulation are hot topics likely to attract attention.
4. **Engage with the Community:** Presenting at conferences and networking can help you understand what the journal's editorial board values.

Publishing in a journal with a high impact factor like Science Immunology in 2021 is competitive but rewarding, reflecting the quality and influence of your research.

The Broader Implications of Science Immunology's Impact Factor in 2021

The importance of the Science Immunology impact factor 2021 extends beyond individual researchers. It mirrors shifting trends in immunology research, including the rapid mobilization of the scientific community in response to global challenges like the COVID-19 pandemic. Journals with strong impact factors serve as hubs for disseminating critical knowledge that shapes clinical practices, public health policies, and ongoing scientific debates.

Moreover, a high impact factor incentivizes journals to maintain rigorous peer review standards and publish transformative research, which ultimately benefits the entire scientific ecosystem.

As the field of immunology continues to grow and diversify, metrics like the Science Immunology impact factor 2021 will remain valuable tools for navigating the vast landscape of scientific literature, helping researchers identify influential work and prioritize reading and citation efforts accordingly.

Frequently Asked Questions

What was the impact factor of the journal Science

Immunology in 2021?

The impact factor of Science Immunology in 2021 was approximately 16.29.

How does Science Immunology's 2021 impact factor compare to other immunology journals?

In 2021, Science Immunology's impact factor of around 16.29 positioned it among the top-tier immunology journals, surpassing many others in the field.

What factors contributed to the high impact factor of Science Immunology in 2021?

The high impact factor in 2021 was driven by the publication of influential research articles, timely reviews, and advances in immunology that attracted significant citations.

Where can I find the official impact factor data for Science Immunology 2021?

The official impact factor for Science Immunology 2021 can be found in the Journal Citation Reports (JCR) released by Clarivate Analytics.

Why is the impact factor important for journals like Science Immunology?

The impact factor indicates the average number of citations to articles published in a journal and is often used as a metric to assess the journal's influence and prestige in the scientific community.

Additional Resources

Science Immunology Impact Factor 2021: An In-Depth Review of Its Significance in the Field

science immunology impact factor 2021 remains a critical metric for researchers, institutions, and professionals assessing the influence and quality of publications within the field of immunology. As the study of immune systems continues to advance rapidly—especially amid global health challenges—journals like Science Immunology serve as pivotal platforms for disseminating groundbreaking research. Understanding the impact factor of such journals provides insight into their academic weight, citation frequency, and role in shaping contemporary immunological science.

Understanding the Science Immunology Impact Factor 2021

The impact factor is a widely recognized bibliometric indicator that reflects the average number of citations received in a particular year by articles published in a journal during the preceding two

years. For Science Immunology, the impact factor of 2021 encapsulates citations from that year referencing articles published in 2019 and 2020. This measure is crucial for gauging the journal's relevance and influence within the scientific community.

Science Immunology, launched by the American Association for the Advancement of Science (AAAS), quickly established itself as a top-tier journal specializing in immunological research. Its 2021 impact factor provides a snapshot of its standing among immunology journals worldwide, offering a benchmark for authors deciding where to submit manuscripts and institutions evaluating research outputs.

2021 Impact Factor in Context

In 2021, Science Immunology reported an impact factor of approximately 16.5, positioning it among the elite journals in immunology. To put this in perspective:

- It stands competitively alongside other high-impact immunology journals, such as Immunity and Nature Immunology, which typically have impact factors ranging from 20 to 30.
- Compared to more specialized or niche immunology journals, whose impact factors often fall below 10, Science Immunology's 2021 figure signifies broad recognition and high citation rates.
- The journal's multidisciplinary approach, bridging basic and translational immunology, likely contributes to its elevated citation performance.

These comparisons underline the journal's growing influence and its role as a trusted source for cutting-edge immunological discoveries.

Factors Influencing the Science Immunology Impact Factor 2021

Several key aspects have shaped the impact factor for Science Immunology in 2021. Examining these can illuminate why this journal continues to be a preferred outlet for immunology research.

High-Quality, Peer-Reviewed Content

The rigorous peer-review standards employed by Science Immunology ensure that only scientifically robust and novel studies reach publication. This selectivity enhances the credibility and citation potential of its articles. Researchers worldwide often cite these papers because of their methodological rigor and relevance.

Timely and Relevant Research Topics

The journal's editorial focus on timely topics—such as immune responses to emerging infectious diseases, vaccine development, and autoimmune disorders—aligns well with global scientific priorities. The COVID-19 pandemic, for example, underscored the importance of immunological research, resulting in heightened citations for articles addressing SARS-CoV-2 immunity published in recent years.

Interdisciplinary Appeal

Science Immunology's content often intersects with molecular biology, genetics, and clinical medicine, broadening the scope of its audience. This cross-disciplinary appeal contributes to higher citation counts as researchers from related fields reference the journal's publications.

Open Access and Digital Visibility

While Science Immunology operates primarily as a subscription-based journal, its increasing digital presence and selective open-access options improve discoverability. Enhanced online accessibility facilitates citations, further influencing the impact factor.

Implications of the 2021 Impact Factor for Researchers and Institutions

The science immunology impact factor 2021 is more than just a number; it influences multiple facets of academic and clinical research landscapes.

For Authors

Publishing in Science Immunology offers researchers a prestigious platform that can amplify the visibility and impact of their work. A high impact factor often correlates with wider dissemination and greater academic recognition, which can advance careers and funding prospects.

For Academic Institutions

Universities and research institutions utilize journal impact factors as part of their evaluation metrics for faculty performance, grant allocations, and departmental rankings. The strong impact factor of Science Immunology enhances the perceived quality of research outputs affiliated with these organizations.

For the Scientific Community

Impact factors help guide scientists toward influential sources. Science Immunology's 2021 impact factor signals to immunologists and allied researchers that it is a reliable repository of significant, cutting-edge findings.

Limitations and Criticisms of the Impact Factor Metric

While the science immunology impact factor 2021 is informative, it is essential to recognize its limitations.

- **Focus on Citation Quantity:** The impact factor measures average citations but does not account for the quality or context of those citations.
- **Potential for Citation Bias:** Highly cited review articles or trending topics can disproportionately elevate a journal's impact factor, which might not reflect the overall quality of all published content.
- **Two-Year Citation Window:** Some immunology research may have longer-term influence not captured within this timeframe.
- **Field Variability:** Citation behaviors differ across subfields of immunology, potentially skewing impact factor comparisons.

Recognizing these caveats encourages a more nuanced interpretation of the science immunology impact factor 2021 alongside other metrics like h-index, Eigenfactor, and altmetrics.

Future Outlook for Science Immunology's Impact and Influence

Considering the rapid evolution of immunological science, including advances in immunotherapy, vaccine development, and systems immunology, Science Immunology is poised to maintain or even enhance its impact factor in forthcoming years. The journal's commitment to publishing innovative research, incorporating cutting-edge methodologies, and addressing pressing global health issues will likely keep it at the forefront of the discipline.

Moreover, as open science initiatives and preprint cultures evolve, the traditional impact factor may be complemented by alternative metrics, but the journal's reputation anchored by its 2021 impact factor will continue to carry significant weight.

In conclusion, the science immunology impact factor 2021 not only reflects the journal's substantial influence within the immunology community but also serves as a valuable indicator for authors,

institutions, and researchers seeking authoritative sources. While mindful of its limitations, stakeholders can leverage this metric to navigate the dynamic landscape of immunological research publication.

Science Immunology Impact Factor 2021

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intricate world of livestock sciences and production through the lens of systems biology. Offering a comprehensive exploration of both fundamental and advanced aspects, it unearths the potential of systems biology in the realm of livestock. The book presents 13 edited chapters on cutting-edge knowledge about systems biology and omics technology, showcasing genomics, transcriptomics, proteomics, metabolomics, and more. It illuminates the role of systems biology in livestock and disease management. Readers will learn about power of technologies that merge computational biology, nanobiotechnology, artificial intelligence, and single-cell sequencing. Each chapter is written by scientific experts and includes references for further reading. The book covers 4 key themes: Introduction to Systems Biology in Livestock Science: Uncover the foundation of integrating systems biology with omics data for animal scientists. Multi-scale Modeling Techniques: Explore how multi-scale modeling is shaping the future of system biology. Livestock Viral Diseases: Gain insights into how systems biology is revolutionizing our understanding of livestock viral diseases. Single Cell RNA-Sequencing: Understand the potential of this advanced technique in studying livestock animals at a cellular level. This book is a timely resource for students and researchers, offering a pathway to comprehend the crucial role systems biology plays in sustainable livestock production and management.

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science immunology impact factor 2021: Advancing Science and Innovation in Healthcare Research Debasmitta Bhattacharya, Prabir Kumar Das, Samapika Das Biswas, 2025-08-13 While basic science research explores into unraveling biological processes, pathways, and mechanisms to identify targets and understand disease progression, engineering focuses on developing techniques, equipment, and procedures to improve patient outcomes. Advancing Science and Innovation in Healthcare Research: Health Horizons not only contributes to the comprehension of human health and disease attenuation but also sheds light on mechanisms and introduces new techniques to combine these two areas and bridge knowledge gaps. Comprising 29 chapters, this book introduces readers to the application of modern technologies such as bioinformatics, bioengineering, and artificial intelligence for advancing human health. It explores the systems biology approach, utilizing (multi)omics techniques and metagenomic profiling. Researchers in systems biology, bioinformatics, and biomedical applications will find this an essential reference. - Deciphers the importance of

ground-breaking basic science research and innovative techniques used to ameliorate diseases and improve health - Enhances understanding of human health and reduces the impact of diseases by revealing the underlying mechanisms and introducing innovative techniques, addressing knowledge gaps - Deals with modern technologies that can be applied for diagnosis and therapeutics of different diseases of different diseases

science immunology impact factor 2021: Intellectual Property Issues in Life Sciences

Chetan Keswani, Cristina Possas, 2024-11-15 Intellectual Property Issues in Life Sciences: Disputes and Controversies highlights emerging legal, social, and regulatory issues pertaining to various areas of life sciences. Patents occupy a prominent position in the innovation systems in the life sciences, but to what extent they support, or hinder innovation is widely disputed. Life science is a broad subject including agriculture, ecology, microbiology, plant and animal sciences, health and diseases, biotechnology, etc. However, despite the broad applications of biotechnology and molecular biology techniques, profits on investments are surprisingly low. Thus, it is vitally important for universities, public research organizations, and private enterprises to protect their innovations. There are vast differences of opinion on patentability of living organisms, which are largely barred from patent protection. However, mind-sets are rapidly shifting and IP issues in life sciences are receiving increasing attention. To compete with progressive bio-based economies the developing countries are amending their IP laws to encourage investment. An effort has been made to avoid considering policy in isolation, but rather to emphasize the interplay between the policy mix, the wider institutional setting, market forces, and system organization solutions. Both empirical and conceptual chapters are included to bring them together and to yield facts and interpretations for the readers. This book presents expert opinions by frontier academicians, researchers, and attorneys on the recent challenges in the rapidly evolving life science industry. The present book offers comprehensive knowledge on the contemporary issues in life sciences to a wide range of audiences including students, scholars, researchers, legal practitioners, policymakers, and others interested in emerging intellectual property issues. Features The only compilation available on the contemporary intellectual property issues in life sciences in the post-COVID era. Focuses on the commercial, regulatory, bioethical, and socio-legal implications of patents in life sciences. Describes an integrated approach for sustained innovations in various areas of life sciences. Discusses the recent IP controversies in a pan-global context. Presents viewpoints to front-line practitioners, viz attorneys, researchers, etc.

science immunology impact factor 2021: Proceedings of the 2025 International Conference on Chemical Engineering and Biological Science (CEBS 2025) Harminder Pal Singh, Lei Guo, Ioannis Zuburtikudis, Siew Chun LOW, 2025-09-28 This book is an open access. The 2025 International Conference on Chemical Engineering and Biological Science (CEBS 2025) will be held on June 27-29, 2025 in Hangzhou, China. The conference aims to bring together the world's top scientists, engineers and industry experts to discuss the latest advances and future trends in the fields of chemical engineering and biological science. With the rapid development of science and technology, chemical engineering and biological science are increasingly used in the fields of healthcare, energy, environment and materials science, and play a key role in promoting sustainable development. CEBS 2025 will provide an open academic exchange platform, where attendees will have the opportunity to discuss innovative research results and technological breakthroughs, and to promote interdisciplinary collaborations and exchanges. The conference will also focus on applications in chemical engineering and biological science research and how they are driving industry innovation to address the major challenges facing society today. We invite scholars and professionals from all over the world to share their wisdom and work together to shape the future frontiers of science and technology.

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Jianmei Wu Leavenworth, Lewis Z. Shi, Xi Wang, Haiming Wei, 2022-02-22 Topic Editor Dr. Lewis Shi received financial support from Varian Medical System, Inc. The other Topic Editors declare no competing interests with regard to the Research Topic subject.

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science immunology impact factor 2021: Petrodiesel Fuels Ozcan Konur, 2021-05-06 This third volume of the handbook presents a representative sample of the population papers in the field of petrodiesel fuels. Following the substantial public concerns on the adverse impact of the emissions from petrodiesel fuels on the environment and human health, the research has intensified in the areas related to the reduction of these adverse effects. Thus, bioremediation of spills from crude oils and petrodiesel fuels at sea and soils as well as desulfurization of petrodiesel fuels have emerged as publicly important research areas. Similarly, the emissions from diesel fuel exhausts, due to their adverse effects on both human health and environment, have been researched more in recent years. These emissions cover particulate emissions, aerosol emissions, and NO_x emissions. Research on the adverse impact of petrodiesel fuel exhaust emissions on human health has primarily progressed along the lines of respiratory illnesses, cancer, and other illnesses, such as cardiovascular illnesses, brain illnesses, and reproductive system illnesses, through human, animal, and in vitro studies. It is clear that these illnesses caused by the petrodiesel fuel exhaust emissions have been one of the most significant reasons to develop alternative biodiesel fuels. Part IX presents a representative sample of the population papers in the field of crude oils covering major research fronts. It covers crude oil spills in general, crude oil spills and their cleanup, properties and removal of crude oils, biodegradation of crude oil-contaminated soils, and crude oil recovery besides an overview paper. Part X presents a representative sample of the population papers in the field of petrodiesel fuels in general covering major research fronts. It covers combustion of biodiesel fuels in diesel engines, bioremediation of biodiesel fuel-contaminated soils, biodiesel power generation, and desulfurization of diesel fuels besides an overview paper. Part XI presents a representative sample of the population papers in the field of emissions from petrodiesel fuels covering major research fronts. It covers diesel emission mitigation, diesel particulate emissions, and diesel NO_x emissions, besides an overview paper. Part XII presents a representative sample of the population papers in the field of the health impact of the emissions from petrodiesel fuels covering major research fronts. It covers respiratory illnesses, cancer, cardiovascular, brain, and reproductive system illnesses, besides an overview paper. This book will be useful to academics and professionals in the fields of Energy Fuels, Public Environmental Occupational Health, Pharmacology, Pharmacy, Immunology, Respiratory System, Allergy, and Oncology. Ozcan Konur is both a materials scientist and social scientist by training. He has published around 200 journal papers, book chapters, and conference papers. He has focused on the bioenergy and biofuels in recent years. In 2018, he edited Bioenergy and Biofuels, which brought together the work of over 30 experts in their respective field. He also edited the Handbook of Algal Science, Technology, and Medicine with a strong section on the algal biofuels in 2020.

science immunology impact factor 2021: Understanding PTMs in Neurodegenerative Diseases Victor Corasolla Carregari, 2022-08-27 This new volume, a part of the Proteomics, Metabolomics, Interactomics and Systems Biology series, will explain how proteomic studies of post-translational modifications (PTMs) can be applied to neurodegenerative diseases and relevant

studies. The goal of the book is to increase awareness among researchers about how PTMs may be helpful in understanding mechanisms in various neurodegenerative diseases through proteomic studies. This book will serve as a tool for those who want to begin work in the proteomics field and explore how to implement PTMs studies into their work. Chapter authors will describe different PTMs enrichment methods developed by experts in the field so that researchers may learn to apply these methods and techniques to new studies. Divided into three sections, chapters will cover sample preparation, data quality, enrichment techniques, guidelines on how to analyze PTMs, and explain the role of PTMs and different brain diseases. Among those topics includes will be brain cancer, SLA disease, Parkinsons disease, muscular dystrophies, and schizophrenia. This volume will be useful for researchers and students studying brain and neurodegenerative diseases who are interested in delving into work with proteomic studies and PTMs.

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science immunology impact factor 2021: Psychological Science Catherine A. Sanderson, Karen R. Huffman, 2023-04-11 Psychological Science: The Curious Mind, by award-winning authors and professors Catherine A. Sanderson and Karen Huffman, introduces 21st-century, digital-native students to the fascinating field of psychology. This new program emphasizes the importance of developing scientific literacy and an understanding of research and research methods. The program uses an inviting why-focused framework that taps into students' natural curiosity, incorporating active learning and real-life application to engage students. Psychological Science: The Curious Mind embraces the guidelines released by the American Psychological Association (APA)'s Introductory Psychology Initiative (IPI) in 2021. It provides an excellent framework for instructors who want to implement those guidelines in their Introductory Psychology courses, and it provides students with the content and motivation to achieve the course's ultimate outcome: an enduring, foundational understanding of psychological science.

science immunology impact factor 2021: Allergic and Immunologic Diseases Christopher Chang, 2022-10-14 **Selected for Doody's Core Titles® 2024 in Allergy/Clinical Immunology**Allergic and Immunologic Diseases: A Practical Guide to the Evaluation, Diagnosis and Management of Allergic and Immunologic Diseases is a valuable resource for researchers and others involved in the day-to-day practice of allergy and immunology, with specific information, protocols

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identified and many more are being designed as novel compounds for inhibitions of proteases that provide management of comorbidities. Therefore, this book will serve as a useful reference for students and researchers to understand physiological role of serine proteases and their association with initiation and progression of human diseases. It will also help to develop some strategies to develop serine proteases inhibitors as drug target of serine proteases at cellular and molecular level.

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