Science Immunology Impact Factor 2021

Science Immunology Impact Factor 2021 is a significant metric that reflects the influence and reach of research published in the journal Science Immunology. Established by the American Association for the Advancement of Science (AAAS), this journal has become a leading platform for disseminating groundbreaking research in the field of immunology. The impact factor (IF) serves as an essential statistical measure used by researchers, institutions, and funding bodies to evaluate the quality and relevance of scientific publications. In 2021, the impact factor of Science Immunology was pivotal in shaping the landscape of immunological studies, especially in the wake of global health challenges such as the COVID-19 pandemic.

Understanding Impact Factor

The impact factor is calculated based on the number of citations received by articles published in a journal during a specific year, divided by the total number of articles published in that journal in the preceding two years. For instance, the 2021 impact factor is calculated using citation data from 2019 and 2020. This metric is widely used to gauge the relative importance of a journal within its field, influencing the perception of its credibility and the decisions of researchers regarding where to publish their work.

Importance of Impact Factor in Scientific Publishing

The impact factor serves several key purposes:

1. Quality Assessment: A higher impact factor often indicates a journal's

status as a leading publication in its field, suggesting that the research it publishes is of high quality and significance.

2. Funding and Institutional Decisions: Researchers and institutions frequently rely on impact factors when applying for grants or promotions, as they can reflect the research productivity and impact of faculty members.

3. Reader Engagement: Journals with higher impact factors tend to attract more readers and, consequently, more submissions, creating a cycle of increased visibility and recognition.

4. Trend Analysis: The impact factor can also indicate shifts in research trends and highlight emerging areas of interest within a discipline.

Science Immunology: A Brief Overview

Launched in 2016, Science Immunology is a peer-reviewed journal dedicated to advancing the understanding of the immune system and its role in health and disease. The journal publishes original research articles, reviews, and commentaries that address fundamental questions in immunology, such as:

- Mechanisms of immune responses
- Immunological memory
- Autoimmunity
- Immunotherapy
- Infectious diseases

By providing a platform for innovative research, Science Immunology has quickly established itself as an influential player in the immunology field.

Science Immunology Impact Factor 2021: Key Statistics

In 2021, Science Immunology achieved an impact factor of 10.337. This figure underscores the journal's role as a prominent outlet for high-quality immunological research. The impact factor not only reflects the volume of citations but also highlights the journal's relevance in addressing urgent global health issues.

- Comparison with Other Journals: Science Immunology's impact factor positions it favorably compared to other prominent journals in the field. For context, some leading immunology journals include:
- Nature Reviews Immunology: Impact Factor 2021 – 37.560
- Annual Review of Immunology: Impact Factor 2021 – 20.200
- Journal of Immunology: Impact Factor 2021 – 4.820

This comparative analysis illustrates that while Science Immunology may not have the highest impact factor in the field, it nonetheless occupies a significant niche, particularly for researchers seeking to publish innovative findings related to immunology.

Factors Contributing to the Impact Factor

Several elements contribute to the impact factor of Science Immunology in 2021:

1. Quality of Research

The quality of research published in Science Immunology is paramount. The journal employs rigorous peer-review processes to ensure that only high-caliber studies are published. This commitment to quality not only enhances the credibility of the journal but also increases the likelihood of citations.

2. Relevance of Topics

Research areas that align with contemporary health challenges, such as the COVID-19 pandemic, have garnered significant attention. Studies exploring the immune response to SARS-CoV-2, vaccine development, and the role of immunology in public health have all contributed to increased citations.

3. Author Reputation and Collaboration

Many articles published in Science Immunology are authored by leading experts in the field, enhancing the journal's reputation. Collaborative studies often draw on diverse expertise, leading to comprehensive research that is more likely to receive attention and citations.

4. Accessibility and Dissemination

The journal's commitment to making research accessible to a broader audience, including open-access options, can increase visibility. Enhanced dissemination through social media and academic networks also plays a role in boosting citations.

The Role of Science Immunology in Addressing Global Health Challenges

In 2021, the impact factor of Science Immunology was particularly relevant due to the ongoing COVID-19 pandemic. The journal featured numerous key studies that contributed to the understanding of immune responses to the virus, vaccine efficacy, and therapeutic strategies. Some notable areas of research included:

- Vaccine Development: Studies focused on the immune response to various vaccine candidates, helping to inform public health strategies worldwide.

- Long COVID: Research articles examining the long-term immune responses in individuals recovering from COVID-19, shedding light on potential implications for chronic health conditions.

- Immunotherapy: Investigations into how immunotherapeutic strategies could be adapted to target viral infections, including COVID-19.

The timely publication of such research in Science Immunology not only contributed to the journal's impact factor but also played a crucial role in advancing global understanding of the pandemic.

Future Perspectives

As we move beyond 2021, the impact factor of Science Immunology is expected to continue evolving, influenced by emerging research trends and global health challenges. The field of immunology is rapidly advancing, with new technologies and methodologies enhancing our understanding of the immune system.

Potential areas of growth include:

1. Personalized Medicine: Research focusing on tailored immunotherapies for autoimmune diseases and cancer.

2. Microbiome and Immunity: Exploring the connections between gut microbiota and immune responses.

3. Global Vaccine Initiatives: Continued research on vaccine strategies for infectious diseases beyond COVID-19, addressing disparities in global health.

4. Neuroimmunology: Investigations into the relationship between the immune system and neurological disorders.

In conclusion, the impact factor of Science Immunology in 2021 not only reflects the journal's standing within the scientific community but also underscores its vital role in advancing immunological research during a crucial time in public health. As the field continues to evolve, the journal is poised to remain a key player in disseminating high-quality, impactful

research that addresses both current and future challenges in immunology.

Frequently Asked Questions

What is the impact factor of the journal 'Science Immunology' in 2021?

The impact factor of 'Science Immunology' in 2021 was approximately 8.5.

How does the impact factor of 'Science Immunology' compare to other immunology journals?

'Science Immunology' has one of the higher impact factors among immunology journals, indicating significant influence in the field.

What factors contribute to the high impact factor of 'Science Immunology'?

The high impact factor is due to the quality and quantity of published research, citation rates, and the journal's reputation in the scientific community.

Why is the impact factor important for researchers in the field of immunology?

The impact factor helps researchers gauge the influence and reach of journals, guiding where to publish their work for maximum visibility.

What types of studies are commonly published in 'Science Immunology'?

'Science Immunology' publishes studies on various aspects of immunology, including basic research, clinical applications, and innovative immunotherapeutic approaches.

How can the impact factor affect funding opportunities for researchers?

Higher impact factors can enhance a researcher's profile, potentially leading to increased funding opportunities and collaborations.

What is the significance of a journal's impact factor in academic promotion?

A journal's impact factor is often used as a metric in academic promotion processes, influencing hiring and tenure decisions.

What trends in immunology research are reflected in the 2021 publications of 'Science Immunology'?

The 2021 publications reflected trends such as advancements in vaccine development, understanding of autoimmune diseases, and the role of the microbiome in immunity.

Science Immunology Impact Factor 2021

Science | AAAS
6 days ago · Science/AAAS peer-reviewed journals deliver impactful research, daily news, expert commentary, and career resources.

Targeted MYC2 stabilization confers citrus Huanglongbing
Apr 10, 2025 · Huanglongbing (HLB) is a devastating citrus disease. In this work, we report an HLB resistance regulatory circuit in Citrus composed of an E3 ubiquitin ligase, PUB21, and its substrate, the MYC2 transcription factor, which regulates jasmonate-mediated ...

In vivo CAR T cell generation to treat cancer and autoimmune
Jun 19, 2025 · Chimeric antigen receptor (CAR) T cell therapies have transformed treatment of B cell malignancies. However, their broader application is limited by complex manufacturing processes and the necessity for lymphodepleting chemotherapy, restricting patient ...

Tellurium nanowire retinal nanoprosthesis improves vision in
Jun 5, 2025 · Present vision restoration technologies have substantial constraints that limit their application in the clinical setting. In this work, we fabricated a subretinal nanoprosthesis using tellurium nanowire networks (TeNWNs) that converts light of both the ...

Reactivation of mammalian regeneration by turning on an
Mammals display prominent diversity in the ability to regenerate damaged ear pinna, but the genetic changes underlying the failure of regeneration remain elusive. We performed comparative single-cell and spatial transcriptomic analyses of rabbits and ...

Programmable gene insertion in human cells with a laboratory
Programmable gene integration in human cells has the potential to enable mutation-agnostic treatments for loss-of-function genetic diseases and facilitate many applications in the life sciences. CRISPR-associated transposases (CASTs) catalyze RNA-guided ...

A symbiotic filamentous gut fungus ameliorates MASH via a
May 1, 2025 · The gut microbiota is known to be associated with a variety of human metabolic diseases, including metabolic dysfunction–associated steatohepatitis (MASH). Fungi are increasingly

recognized as important members of this community; however, the role of ...

Deep learning–guided design of dynamic proteins | Science
May 22, 2025 · Deep learning has advanced the design of static protein structures, but the controlled conformational changes that are hallmarks of natural signaling proteins have remained inaccessible to de novo design. Here, we describe a general deep learning–guided ...

Acid-humidified CO2 gas input for stable electrochemical CO2
Jun 12, 2025 · (Bi)carbonate salt formation has been widely recognized as a primary factor in poor operational stability of the electrochemical carbon dioxide reduction reaction (CO2RR). We demonstrate that flowing CO2 gas into an acid bubbler—which carries trace ...

Rapid in silico directed evolution by a protein language ... - Science
Nov 21, 2024 · Directed protein evolution is central to biomedical applications but faces challenges such as experimental complexity, inefficient multiproperty optimization, and local maxima traps. Although in silico methods that use protein language models (PLMs) can ...

Science | AAAS
6 days ago · Science/AAAS peer-reviewed journals deliver impactful research, daily news, expert commentary, and career resources.

Targeted MYC2 stabilization confers citrus Huanglongbing
Apr 10, 2025 · Huanglongbing (HLB) is a devastating citrus disease. In this work, we report an HLB resistance regulatory circuit in Citrus composed of an E3 ubiquitin ligase, PUB21, and its …

In vivo CAR T cell generation to treat cancer and autoimmune
Jun 19, 2025 · Chimeric antigen receptor (CAR) T cell therapies have transformed treatment of B cell malignancies. However, their broader application is limited by complex manufacturing …

Tellurium nanowire retinal nanoprosthesis improves vision in
Jun 5, 2025 · Present vision restoration technologies have substantial constraints that limit their application in the clinical setting. In this work, we fabricated a subretinal nanoprosthesis using …

Reactivation of mammalian regeneration by turning on an ... - Science
Mammals display prominent diversity in the ability to regenerate damaged ear pinna, but the genetic changes underlying the failure of regeneration remain elusive. We performed comparative single …

Programmable gene insertion in human cells with a laboratory
Programmable gene integration in human cells has the potential to enable mutation-agnostic treatments for loss-of-function genetic diseases and facilitate many applications in the life …

A symbiotic filamentous gut fungus ameliorates MASH via a
May 1, 2025 · The gut microbiota is known to be associated with a variety of human metabolic diseases, including metabolic dysfunction–associated steatohepatitis (MASH). Fungi are …

Deep learning–guided design of dynamic proteins | Science
May 22, 2025 · Deep learning has advanced the design of static protein structures, but the controlled conformational changes that are hallmarks of natural signaling proteins have remained …

Acid-humidified CO2 gas input for stable electrochemical CO2

Jun 12, 2025 · (Bi)carbonate salt formation has been widely recognized as a primary factor in poor operational stability of the electrochemical carbon dioxide reduction reaction (CO2RR). We …

Rapid in silico directed evolution by a protein language … - Science
Nov 21, 2024 · Directed protein evolution is central to biomedical applications but faces challenges such as experimental complexity, inefficient multiproperty optimization, and local maxima traps. …

Explore the 2021 impact factor of Science Immunology and its significance in the field. Discover how it influences research and advancements. Learn more!

Back to Home