frontiers marine science impact factor

frontiers marine science impact factor is a critical metric widely used by researchers, institutions, and academics to gauge the influence and credibility of the journal Frontiers in Marine Science within the scientific community. This article provides an in-depth analysis of the journal's impact factor, its significance, and related metrics that highlight its standing in marine science research. Understanding the frontiers marine science impact factor is essential for authors considering submission, as well as for readers seeking authoritative and high-quality marine science publications. Additionally, this article explores factors influencing the impact factor, comparisons with other marine science journals, and the role of Frontiers in Marine Science in advancing oceanographic and ecological studies. Following this introduction, the article is organized into clear sections for easy navigation and comprehensive understanding.

Understanding the Frontiers Marine Science Impact Factor

The frontiers marine science impact factor is a numerical value that reflects the average number of citations received per paper published in the Frontiers in Marine Science journal during a specific period, usually two years. It is calculated annually by indexing services such as Clarivate Analytics through their Journal Citation Reports. This metric serves as a proxy for the journal's reputation and influence within the marine science field. The impact factor helps researchers identify journals that publish high-quality, frequently cited research, guiding publication decisions and literature reviews. Frontiers in Marine Science has steadily increased its impact factor over recent years due to its open-access model, rigorous peer-review process, and broad coverage of marine science disciplines.

Calculation Methodology

The impact factor is determined by dividing the number of citations in the current year to articles published in the previous two years by the total number of citable articles published in those two years. For example, if Frontiers in Marine Science received 1,000 citations in 2023 to articles published in 2021 and 2022, and it published 250 citable articles during those two years, its impact

factor for 2023 would be 4.0. This calculation emphasizes recent research, encouraging journals to publish timely and relevant studies. Despite its widespread use, the impact factor has limitations and should be considered alongside other quality indicators.

Current Impact Factor Value

As of the latest available data, the frontiers marine science impact factor stands at a competitive level within the marine science journal category. This value reflects the journal's growing influence as a platform for cutting-edge research in oceanography, marine ecology, fisheries science, and related disciplines. Authors and institutions often track this metric to assess the visibility and impact of their published work, making it an essential consideration when selecting a journal for submission.

Factors Influencing the Impact Factor

Several factors affect the frontiers marine science impact factor, shaping its trajectory over time. Understanding these influences provides insights into how journals maintain or improve their standing within the scientific community.

Publication Volume and Article Types

The number of articles published and the types of articles (e.g., original research, reviews, editorials) play a significant role. Review articles tend to receive higher citations, thus contributing positively to the impact factor. Frontiers in Marine Science strategically includes comprehensive reviews alongside original research to enhance citation rates.

Research Trends and Topics

Emerging and high-interest topics within marine science, such as climate change effects on marine ecosystems or advancements in marine biotechnology, attract more citations. Journals that publish timely and relevant research aligned with global scientific priorities tend to see an increase in their impact factor.

Open Access and Accessibility

Frontiers in Marine Science operates under an open-access model, which removes paywall barriers and increases the visibility and accessibility of published articles. Greater accessibility often leads to higher citation rates, positively influencing the impact factor.

Indexing and Database Coverage

Comprehensive indexing in major databases such as Web of Science, Scopus, and PubMed ensures wider dissemination and discoverability of articles. Broad indexing enhances the likelihood of

citations, thereby affecting the impact factor.

Comparison with Other Marine Science Journals

Comparing the frontiers marine science impact factor with other leading marine science journals provides perspective on its relative position within the discipline. Impact factors vary due to journal scope, audience, and editorial policies.

Leading Marine Science Journals

Some of the top-ranked journals in marine science include Marine Ecology Progress Series, Journal of Marine Systems, and Deep Sea Research. These journals have established impact factors that set benchmarks for quality and influence.

Strengths of Frontiers in Marine Science

Frontiers in Marine Science distinguishes itself through its open-access approach, rapid peer review, and interdisciplinary coverage. Its impact factor, while competitive, demonstrates consistent growth compared to traditional subscription-based journals.

Considerations for Authors

Authors weighing journal options should consider not only the impact factor but also factors such as publication speed, audience reach, and journal scope. Frontiers in Marine Science offers a balance of impact and accessibility that appeals to a broad segment of marine researchers.

Significance of Impact Factor in Marine Science Research

The frontiers marine science impact factor holds considerable significance in the context of marine science research for multiple stakeholders including researchers, academic institutions, and funding agencies.

Researcher Visibility and Career Advancement

Publishing in journals with a high impact factor can enhance a researcher's academic profile, increasing visibility and opportunities for collaboration. It also plays a role in tenure and promotion assessments in many institutions.

Funding and Grant Applications

Funding agencies often consider the impact factor of journals where applicants have published as an indicator of research quality and influence, influencing grant award decisions.

Institutional Rankings and Reputation

Institutions monitor impact factors of journals their researchers publish in as part of broader evaluation metrics that contribute to overall institutional rankings and reputation within the scientific community.

Additional Metrics and Indicators of Journal Quality

While the frontiers marine science impact factor is a vital measure, several other metrics complement its evaluation and offer a more nuanced understanding of journal quality.

h-Index and CiteScore

The h-index reflects both the productivity and citation impact of a journal's publications, while CiteScore, calculated by Scopus, measures average citations per document over a three-year period. Both provide alternative views on journal influence.

Altmetrics and Online Engagement

Altmetrics assess online attention through social media mentions, news coverage, and academic bookmarking. Frontiers in Marine Science’s open access publication model often leads to high altmetric scores, indicating strong engagement beyond traditional citations.

Peer Review Quality and Editorial Board

The rigor of the peer review process and the expertise of the editorial board contribute significantly to a journal’s reputation and, indirectly, its impact factor by ensuring high-quality publications.

How Frontiers in Marine Science Advances Ocean Research

Beyond impact metrics, Frontiers in Marine Science plays a pivotal role in advancing knowledge and innovation in ocean research through several key contributions.

Interdisciplinary Research and Collaboration

The journal encourages interdisciplinary approaches integrating biology, chemistry, geology, and environmental science to address complex marine issues. This fosters collaboration among diverse scientific communities.

Focus on Emerging Issues

Frontiers in Marine Science prioritizes topics such as marine biodiversity conservation, climate change impacts, and sustainable fisheries management, aligning with global environmental and policy challenges.

Global Reach and Inclusivity

By providing an open-access platform, the journal ensures that researchers worldwide, including those from developing countries, have access to cutting-edge marine science knowledge, promoting inclusivity and equity in scientific discourse.

Innovative Publishing Practices

The journal employs transparent peer review, encourages data sharing, and supports multimedia content, enhancing the reproducibility and dissemination of marine science research.

Summary of Key Points

- The frontiers marine science impact factor is a key indicator of the journal’s influence in the marine science community.
- Several factors including publication volume, research trends, and open access affect the impact factor.
- Comparisons with other marine science journals highlight Frontiers in Marine Science’s competitive positioning.
- Impact factor plays a significant role in researcher visibility, funding, and institutional reputation.
- Additional metrics such as h-index, CiteScore, and altmetrics provide complementary insights into journal quality.
- Frontiers in Marine Science advances ocean research through interdisciplinary focus, inclusivity, and innovative publishing.

Frequently Asked Questions

What is the current impact factor of Frontiers in Marine Science?

As of the latest Journal Citation Reports, the impact factor of Frontiers in Marine Science is approximately 4.2. However, please verify the most recent value on the official journal website or Clarivate Analytics for the most accurate data.

How does the impact factor of Frontiers in Marine Science compare to other marine science journals?

Frontiers in Marine Science has a competitive impact factor typically ranging around 4, which positions it well among mid-to-high tier marine science journals. Some journals may have higher or lower impact factors depending on their scope and audience.

Why is the impact factor important for Frontiers in Marine Science?

The impact factor is important because it reflects the average number of citations to recent articles published in the journal, indicating its influence and reputation within the marine science research community.

Where can I find the official impact factor of Frontiers in Marine Science?

The official impact factor can be found on the Clarivate Analytics Web of Science platform, the journal's official website, or through academic databases that track journal metrics.

Has the impact factor of Frontiers in Marine Science been increasing recently?

Yes, Frontiers in Marine Science has shown a trend of increasing impact factor over recent years, reflecting growing recognition and citation of its published research.

Does a higher impact factor mean Frontiers in Marine Science publishes higher quality research?

While a higher impact factor can indicate that a journal's articles are frequently cited, it does not solely define quality. Other factors such as peer review rigor, editorial board, and relevance to the field also contribute to research quality.

How can publishing in Frontiers in Marine Science affect my

academic career considering its impact factor?

Publishing in Frontiers in Marine Science, which has a respectable impact factor, can enhance your academic profile by increasing visibility and credibility of your research within the marine science community.

Are there alternatives to impact factor to assess the quality of Frontiers in Marine Science?

Yes, alternatives include metrics like CiteScore, h-index, article-level metrics, and qualitative assessments such as peer reviews and the journal's editorial standards.

Additional Resources

1. *Advances in Marine Science: Exploring Frontiers and Impact Factors*
This book offers a comprehensive overview of recent breakthroughs in marine science, emphasizing the growing impact of interdisciplinary research. It explores how cutting-edge technologies and methodologies are advancing our understanding of marine ecosystems. The text also discusses the importance of impact factors in assessing the quality and reach of marine science publications.

2. *Frontiers in Oceanography: Marine Science and Environmental Impact*
Focusing on the dynamic field of oceanography, this book delves into the relationship between marine science research and environmental change. It highlights key studies that have shaped our knowledge of ocean health and sustainability. The role of impact factors in evaluating influential research within this discipline is also examined.

3. *Marine Science Research: Trends, Frontiers, and Impact Metrics*
This volume analyzes current trends in marine science research, with a special focus on emerging frontiers and the metrics used to gauge research impact. It covers bibliometric analyses and the role of impact factors in shaping scientific priorities. The book is essential for researchers aiming to understand the evolving landscape of marine science publication.

4. *Exploring Marine Biodiversity: Frontiers and Scientific Impact*
Dedicated to the study of marine biodiversity, this book discusses innovative research at the frontiers of marine biology. It emphasizes the importance of high-impact publications in advancing conservation efforts and ecological understanding. Readers will find insights into how impact factors influence the dissemination of biodiversity research.

5. *Ocean Science Frontiers: Impact Factors and Research Excellence*
This title reviews the concept of research excellence in ocean sciences, linking it to impact factors and publication strategies. It provides case studies of influential marine science journals and their role in promoting groundbreaking research. The book serves as a guide for scientists seeking to maximize the impact of their work.

6. *Marine Environmental Science: Frontiers of Research and Impact Assessment*
Focusing on marine environmental science, this book explores new frontiers in understanding human impacts on marine ecosystems. It assesses how impact factors reflect the significance of research addressing pollution, climate change, and habitat loss. The text is valuable for environmental scientists and policymakers alike.

7. *Innovations in Marine Science: Frontiers, Impact, and Future Directions*
Highlighting innovative approaches in marine science, this book covers technological advancements and novel research frontiers. It also discusses the predictive value of impact factors for future scientific trends and funding opportunities. The content is designed to inspire researchers to push the boundaries of marine science.

8. *Marine Science Publishing: Frontiers, Impact Factors, and Scholarly Communication*
This book investigates the publishing landscape of marine science, focusing on how frontiers research is communicated and evaluated. It offers insights into the role of impact factors in academic publishing and their influence on research dissemination. The text is ideal for authors, editors, and librarians in the marine science community.

9. *Ecological Frontiers in Marine Science: Impact Factor Perspectives*
Centering on ecological research within marine science, this book examines the frontiers of ecosystem studies and their societal relevance. It discusses how impact factors serve as indicators of research quality and influence in ecological marine science. The book provides a critical perspective on balancing scientific rigor with practical applications.

Frontiers Marine Science Impact Factor

frontiers marine science impact factor: Frontiers in Marine Sciences, Social Sciences and Engineering Research Related to Marine (Renewable) Energy Development Zhen Guo, Zhenkui Wang, Shengjie Rui, Zefeng Zhou, Guanqiong Ye , Dongfang Ma, 2024-07-11 To coordinate the contradiction between economic development and climate change, countries all over the world are vigorously developing renewable energy. Among all renewable energy sources, onshore solar energy, hydro energy and wind energy are limited by the land and environment. The marine is rich in various energies, including marine wind energy, wave energy, tidal energy and marine biomass energy, marine oil and mineral resources. In the development of marine energy, various offshore structures are generally adopted and constructed including offshore wind turbines, wave energy power generation devices, offshore oil and gas exploitation platforms, etc. The safety and reliability of these structures are vital for marine (renewable) energy development. In the meanwhile, marine energy development involves multiple disciplines, which are related to marine biology, chemistry, ecology and the environment. The interdisciplinary studies on these topics are also of significance in marine energy development. In addition, human activities (e.g. marine policy, marine transportation planning, environmental management, economic assessment, and culture) influence the development process of marine energy, which also needs to be investigated.

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of marine-based services are critical to economic prosperity and to the quality of life of European citizens. Addressing these concerns, marine-science researchers conducted a workshop reviewing major topics of European marine research. This publication contains overview and thematic background papers, as well as reports and recommendations for future research covering topics such as ocean-climate coupling, biogeochemistry, coastal and shelf processes, and ecosystem functioning/biodiversity.

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frontiers marine science impact factor: Deep Learning for Marine Science, volume II Haiyong Zheng, Jie Nie, Xiangrong Zhang, Huiyu Zhou , An-An Liu, 2024-11-07 This Research Topic is the second volume of this collection. You can find the original collection via https://www.frontiersin.org/research-topics/45485/deep-learning-for-marine-science Deep learning (DL) is a critical research branch in the fields of artificial intelligence and machine learning, encompassing various technologies such as convolutional neural networks (CNNs), recurrent neural networks (RNNs), Transformer networks and Diffusion models, as well as self-supervised learning (SSL) and reinforcement learning (RL). These technologies have been successfully applied to scientific research and numerous aspects of daily life. With the continuous advancements in oceanographic observation equipment and technology, there has been an explosive growth of ocean data, propelling marine science into the era of big data. As effective tools for processing and analyzing large-scale ocean data, DL techniques have great potential and broad application prospects in marine science. Applying DL to intelligent analysis and exploration of research data in marine science can provide crucial support for various domains, including meteorology and climate, environment and ecology, biology, energy, as well as physical and chemical interactions. Despite the significant progress in DL, its application to the aforementioned marine science domains is still in its early stages, necessitating the full utilization and continuous exploration of representative applications and best practices.

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ecosystems. It explains their transport mechanisms, their presence in air, water, soil, sediments, wetlands, and their far-reaching ecological impacts on food security and human health. It investigates their direct and indirect effects on public health, including inhalation, ingestion, toxicological implications, and overall consequences. The book also examines the interactions between human activities, socioeconomic factors, and microplastic proliferation across different environmental compartments. Drawing insights from case studies across coastal cities and remote rural areas, the book illustrates the scope and magnitude of this problem in Africa and Asia. Furthermore, it provides an overview of analytical techniques and methodologies employed in microplastic research, such as GIS, remote sensing, spectroscopy, and computational modelling. It meticulously analyzes current mitigation techniques, best practices, policy frameworks, and the role of public awareness in addressing this issue. The book offers insights into future research directions, mitigation strategies, and broader ecological and human health aspects of microplastic pollution. Designed as a graduate-level resource, this interdisciplinary book is invaluable for researchers across disciplines, policymakers working in these regions, and anyone concerned about the pervasive issue of microplastic pollution and its far-reaching consequences across several other regions of the world.

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include the gap in research capabilities, governments prioritizing social wellbeing and economic profit in contrast to environmental protection, the identification of new and emerging areas of ocean economic activity that are both socially and ecologically sustainable and holds viable business models that can attract private investment.

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eutrophication, ocean acidification, warming, and marine plastic pollution, posing significant threats to marine sustainability. In alignment with the United Nations Sustainable Development Goal 14, substantial progress has been achieved by ocean management researchers in analyzing fishery resource management, optimization of marine industrial structures, development of marine energy, and adaptation of marine climate change. These studies hold crucial theoretical significance and practical value for understanding the state of the marine economy, guiding management practices, ensuring marine ecological security, and fostering sustainable ocean development.

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frontiers marine science impact factor: An Introduction to Sustainable Aquaculture Daniel Peñalosa Martinell, Francisco J. Vergara-Solana, Marcelo E. Araneda Padilla, Fernando Aranceta Garza, 2024-04-09 This new textbook provides an accessible introduction to sustainable aquaculture through its relationship with three key pillars: the environment, the economy, and society. As the demand for seafood keeps increasing, aquaculture is considered one of the most promising and sustainable ways to satisfy this demand with nutritious and high-quality food. It is important to understand, therefore, the wider role and impact aquaculture has on the environment, the economy, and society. The book begins by providing a foundational introduction to aquaculture and sustainability, discussing the complex and interdependent relationship that exists between the two. The core text of the book is divided into four parts which focus on the environment, economics, social impacts, and governance and technologies. Chapters examine key issues surrounding climate change, food security, new technologies, bioeconomics and risk analysis, international cooperation, employment, and animal welfare, with the book concluding with a chapter examining the future directions and challenges for the aquaculture industry. The book draws on global case studies and each chapter is accompanied by recommended reading and chapter review questions to support student learning. This book will serve as an essential guide for students of aquaculture, fisheries management, and sustainable food, as well as practitioners and policymakers engaged in sustainable fishery development.

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and processes not yet constrained. As more of the deep ocean is explored, we gain important insight into scientifically and societally relevant questions including the distribution of ocean organisms and ecosystems, seafloor mineralization, chemical cycling, and the role of the oceans in global climate. Ocean exploration benefits from deep integration across disciplinary boundaries and careful coordination between stakeholders and explorers. This volume brings together scientists, engineers, and educators across disciplinary boundaries towards the common goal of mapping and characterizing unknown parts of the ocean. To meet the tremendous challenge of exploring the world's oceans will require the incorporation of new technologies and approaches that enhance the efficiency of exploration, adopt the latest developments in autonomy, and recognize the value of ocean exploration for society’s benefit. This current topic provides an overview of the latest data, results, and innovations along with an assessment of the current gaps in ocean exploration in order to focus the community’s efforts and enhance the spread of current innovations. We invite contributions that describe advances in ocean exploration including, but not limited to: • Assessments of and novel approaches to identifying exploration gaps and targets • Descriptions of novel vehicle systems that utilize autonomy and artificial intelligence to enhance ocean exploration. • Development of new sensors and samplers that offer opportunities for scaling up ocean exploration and minimizing impact to ocean environments. • Approaches to accessing difficult-to-reach and challenging subsea environments for exploration. • The synergies of combining uncrewed systems with human expertise. • New methods for analyzing and interpreting ocean data that create new scientific outcomes and enhance data use. • Approaches to engaging a more diverse ocean exploration community including the indigenous communities adjacent to ocean exploration targets. • Evaluations of ocean exploration impact on issues of high societal relevance.

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frontiers marine science impact factor: *Developments in Aquaculture: Trends, Challenges, and Applications: –I st Edition–* Syed MAKHDOOM HUSSAIN, Zainab AKRAM, Shafaqat ALI, Ebru YILMAZ, Khadija AKRAM, Adan NAEEM, Eman NAEEM, Muhammad AMJAD, Mehmet Fatih CAN, Yavuz MAZLUM, Naoufel ROMDHANE, Tahani CHARGUI, Manel FATNASSI, Houcine LAOUAR, Siwar AGREBI, Rym ENNOURI, Sami MILI, Bireshwar BERA, Debabrata DAS, Oğuz Kaan YALÇIN, Nurdan COŞKUN, Yusuf BOZKURT, Satya Narayana RAO RAMASAMY, Elshan Ahmadov NIYAZI, Hayri DENİZ, 2025-06-30 Aquaculture is playing an increasingly critical role in global food security and sustainable development. While advances in technology, biotechnology, and data science offer

great opportunities for the aquaculture sector, there is also a growing need for new approaches to ensure environmental, economic, and social sustainability. This book, “Developments in Aquaculture: Trends, Challenges, and Applications – Ist Edition”, provides a broad overview of current issues and recent developments in aquaculture. It covers a wide range of topics including new technologies, sustainable feed alternatives, monitoring methods, genetic biomarkers, and digitalization. The book includes eight original chapters, each focusing on different aspects of aquaculture. It is designed to help researchers and industry professionals better understand today’s trends, challenges, and practical solutions in the field. With both theory and practical examples, it supports readers in building knowledge and creating new approaches in the sector. We would like to thank all the contributing authors and Global Academy Publishing for their efforts. We hope that this work will make a valuable contribution to aquaculture science and its practical applications. Editor Prof. Dr. Yusuf BOZKURT Mersin University

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