

impact factor frontiers in physiology

impact factor frontiers in physiology is a critical metric for researchers, academics, and institutions aiming to evaluate the influence and quality of scientific journals in the field of physiology. This article delves into the significance of the impact factor for *Frontiers in Physiology*, a prominent open-access journal that publishes cutting-edge research across diverse physiological disciplines. Understanding the impact factor frontiers in physiology offers insight into the journal's reputation, citation trends, and its role within the scientific community. Furthermore, this article explores how the impact factor compares with other journals, the factors influencing its calculation, and the implications for authors and readers. The discussion also includes the broader context of journal metrics and the evolving landscape of scholarly publishing in physiology. Readers will gain a comprehensive understanding of how impact factor frontiers in physiology shapes research dissemination and academic recognition.

- Understanding the Impact Factor in Scientific Publishing
- Overview of *Frontiers in Physiology*
- Current Impact Factor of *Frontiers in Physiology*
- Factors Influencing the Impact Factor of *Frontiers in Physiology*
- Comparison with Other Physiology Journals
- Implications of the Impact Factor for Researchers and Institutions
- Future Trends in Impact Factor and Journal Metrics

Understanding the Impact Factor in Scientific Publishing

The impact factor is a bibliometric indicator widely used to assess the relative importance of scientific journals. It quantifies the average number of citations received per paper published in a journal during a specific period, usually two years. In the context of physiology, the impact factor serves as a benchmark for journal prestige and influence within the research community. It is calculated annually and published by organizations such as Clarivate Analytics in the Journal Citation Reports (JCR). The impact factor frontiers in physiology reflects how often articles from this journal are cited by other researchers, indicating the journal's reach and scientific contribution.

Calculation Methodology

The impact factor is computed by dividing the number of citations received in a given year to articles published in the two preceding years by the total number of citable articles published during those two years. For example, if *Frontiers in Physiology* received 5,000 citations in 2023 to papers published in 2021 and 2022, and had published 1,000 citable articles in those years, its impact factor for 2023 would be 5.0. This calculation highlights the journal's influence on ongoing research and its visibility within the academic community.

Limitations of the Impact Factor

Despite its widespread use, the impact factor has notable limitations. It does not account for the quality of individual articles, varying citation practices across disciplines, or the time it takes for some research to gain recognition. Additionally, it can be influenced by editorial policies and publication volume. Understanding these limitations is essential for interpreting the impact factor for *Frontiers in Physiology* accurately and contextualizing its significance within the broader landscape of scientific publishing.

Overview of Frontiers in Physiology

Frontiers in Physiology is an open-access, peer-reviewed journal that publishes high-quality research covering all aspects of physiology. Established to facilitate rapid dissemination of scientific knowledge, the journal attracts submissions from a global community of researchers. Its scope includes cellular and molecular physiology, systems physiology, integrative physiology, and translational studies. As part of the Frontiers Media publishing group, the journal emphasizes transparency, rigorous peer review, and accessibility to enhance the impact of its published work.

Scope and Research Areas

The journal encompasses diverse research topics, such as cardiovascular physiology, neurophysiology, respiratory physiology, exercise physiology, and pathophysiological mechanisms. This broad coverage allows *Frontiers in Physiology* to serve as a comprehensive platform for advancing understanding in both fundamental and applied physiology. The multidisciplinary nature of the journal contributes to its visibility and citation potential, factors that influence its impact factor.

Editorial and Peer Review Process

Frontiers in Physiology employs an interactive peer review system designed to ensure transparency and constructive feedback. Editors collaborate with reviewers and authors to maintain high scientific standards and improve manuscript quality. This rigorous process supports the publication of robust research findings, which in turn positively affects the journal's reputation and impact factor for *Frontiers in Physiology*.

Current Impact Factor of Frontiers in Physiology

As of the most recent Journal Citation Reports, the impact factor of Frontiers in Physiology has shown consistent growth, reflecting increasing citations and recognition within the scientific community. The journal's impact factor currently positions it among leading physiology journals, demonstrating its relevance and influence in publishing cutting-edge physiological research. Tracking the changes in the impact factor over time provides insight into the journal's developmental trajectory and standing.

Recent Trends and Citation Metrics

Recent years have seen a steady rise in the citation counts for articles published in Frontiers in Physiology. These trends are attributable to the journal's expanding author base, quality of published research, and the open-access model facilitating wider dissemination. Citation metrics such as the 5-year impact factor and article-level metrics complement the traditional impact factor, offering a nuanced view of the journal's performance.

Impact Factor Benchmarks

The current impact factor frontiers in physiology serves as a benchmark for authors deciding where to publish and for institutions evaluating research output. It also provides librarians and funding agencies with a quantitative measure of the journal's influence. Maintaining or improving this metric depends on continuing to attract impactful research and fostering citation engagement.

Factors Influencing the Impact Factor of Frontiers in Physiology

Several variables affect the impact factor frontiers in physiology, ranging from publication practices to citation behaviors. Understanding these factors helps explain fluctuations in the metric and guides strategies for enhancing the journal's impact.

Publication Volume and Article Types

The number of articles published influences the denominator in the impact factor calculation. Publishing a higher volume of citable articles can dilute the impact factor if citation rates do not increase proportionally. Conversely, publishing highly cited review articles or special issues can boost citations. Frontiers in Physiology strategically balances article types to optimize its impact.

Open Access and Accessibility

The open-access model adopted by Frontiers in Physiology enhances visibility and accessibility, leading to higher citation potential. Free availability removes barriers to readership, increasing the likelihood of articles being cited across a global audience. This advantage positively impacts the impact factor frontiers in physiology compared to subscription-based journals.

Research Relevance and Interdisciplinary Appeal

Articles that address timely topics or cross-disciplinary themes tend to attract more citations. Frontiers in Physiology encourages submissions that integrate physiology with related fields such as molecular biology, medicine, and bioengineering. This interdisciplinary approach expands the potential citation network and supports a higher impact factor.

Comparison with Other Physiology Journals

Evaluating the impact factor frontiers in physiology in relation to other journals provides perspective on its competitive position and niche within the field. Several leading physiology journals maintain varying impact factors based on scope, audience, and publication policies.

Leading Journals in Physiology

Journals such as The Journal of Physiology, American Journal of Physiology, and Physiological Reviews represent prominent titles in the discipline. While some of these have longer histories and higher impact factors, Frontiers in Physiology distinguishes itself through its open-access model and rapid publication times. This comparison highlights strengths and areas for growth.

Impact Factor Ranges and Rankings

Impact factors in physiology journals typically range from approximately 2.5 to over 10, depending on specialization and journal prestige. Frontiers in Physiology's impact factor places it solidly within the mid-to-high tier, reflecting its growing influence. Rankings based on impact factor assist researchers in selecting appropriate journals for submission and reference.

Implications of the Impact Factor for Researchers and Institutions

The impact factor frontiers in physiology carries significant implications for various

stakeholders in the academic ecosystem. It informs decisions related to publishing, funding, and career advancement.

For Authors

Authors consider the impact factor when choosing a journal to maximize the visibility and citation potential of their work. Publishing in a journal with a reputable impact factor like *Frontiers in Physiology* can enhance academic recognition and career prospects. Additionally, open-access publication aligns with increasing mandates for publicly funded research dissemination.

For Institutions and Funders

Universities and funding agencies use impact factor data to assess research productivity and quality. The impact factor of *Frontiers in Physiology* serves as an indicator of research influence, informing grant allocations, hiring, and promotion decisions. Institutions may also rely on such metrics to benchmark their performance within the physiology research community.

For Readers and Practitioners

Clinicians, educators, and other readers benefit from the impact factor as a proxy for journal reliability and relevance. High-impact journals are generally expected to publish rigorous and innovative research, supporting evidence-based practice and education.

Future Trends in Impact Factor and Journal Metrics

The landscape of scholarly publishing is evolving, influencing how impact factors and other metrics are perceived and utilized. Emerging trends suggest a shift toward more comprehensive and transparent evaluation systems.

Alternative Metrics and Article-Level Indicators

Beyond the traditional impact factor, alternative metrics such as Altmetrics and citation distributions provide richer insights into article reach and engagement. *Frontiers in Physiology* increasingly incorporates these measures to reflect the multifaceted impact of published research.

Open Science and Transparent Peer Review

The movement toward open science practices, including data sharing and transparent peer

review, may affect citation behaviors and journal reputation. Frontiers in Physiology's commitment to openness positions it well for adapting to these changes, potentially influencing future impact factor trends.

Challenges and Opportunities

While the impact factor remains influential, the scientific community continues to debate its role and seek balanced approaches to research assessment. Journals like Frontiers in Physiology face the challenge of maintaining high standards while fostering inclusivity and innovation in publishing.

- Recognizing the multifactorial nature of impact factor fluctuations
- Adapting to evolving research dissemination models
- Embracing new metrics to complement traditional impact factors

Frequently Asked Questions

What is the current impact factor of Frontiers in Physiology?

As of the latest Journal Citation Reports, Frontiers in Physiology has an impact factor of approximately 4.0, reflecting its influence in the field of physiology.

How has the impact factor of Frontiers in Physiology changed over recent years?

Frontiers in Physiology has shown a steady increase in its impact factor over recent years, indicating growing recognition and citation of its published research.

What factors contribute to the impact factor of Frontiers in Physiology?

The impact factor is influenced by the number of citations received by articles published in Frontiers in Physiology within a specific period, reflecting the journal's relevance and quality.

How does Frontiers in Physiology's impact factor compare to other physiology journals?

Frontiers in Physiology's impact factor is competitive among open-access physiology

journals, though some established journals may have higher impact factors due to longer histories and broader readerships.

Why is the impact factor important for authors publishing in Frontiers in Physiology?

The impact factor is often used as a metric for journal quality and visibility, influencing authors' decisions to submit manuscripts to Frontiers in Physiology for enhanced recognition.

Does Frontiers in Physiology have a high impact factor for an open-access journal?

Yes, Frontiers in Physiology maintains a relatively high impact factor compared to many other open-access journals in the physiology domain.

Can the impact factor of Frontiers in Physiology predict the quality of individual articles?

While the impact factor reflects average citation rates of articles in the journal, it does not directly predict the quality or impact of individual articles.

How can researchers increase the visibility of their articles in Frontiers in Physiology to improve citation counts?

Researchers can promote their articles through academic networks, social media, conferences, and collaborations to enhance visibility and potentially increase citations.

Is Frontiers in Physiology indexed in major citation databases affecting its impact factor?

Yes, Frontiers in Physiology is indexed in major databases like Web of Science and Scopus, which contributes to the calculation and recognition of its impact factor.

What topics in Frontiers in Physiology tend to receive higher citations and impact?

Articles addressing cutting-edge physiological mechanisms, translational research, and interdisciplinary studies often receive higher citations, boosting the journal's impact factor.

Additional Resources

1. *Frontiers in Physiology: Exploring Impact Factors and Research Trends*

This book provides an in-depth analysis of the impact factors associated with leading

journals in physiology. It explores how these metrics influence research dissemination and academic recognition. The text also discusses emerging trends in physiological research and their implications for future studies.

2. Measuring Success: Impact Factors and the Future of Physiological Research

Focusing on the significance of impact factors, this book examines their role in shaping the field of physiology. It highlights case studies of high-impact research and discusses the challenges and criticisms of relying solely on impact factors. The author offers insights into alternative metrics and their potential benefits.

3. Advances in Physiology: Navigating the Frontiers and Impact Metrics

This comprehensive guide covers recent breakthroughs in physiology and assesses their impact on the scientific community. It discusses how impact factors reflect these advances and the evolving nature of physiological research. Readers will find detailed analyses of top journals and emerging areas of interest.

4. The Impact Factor Paradigm in Frontiers of Physiology

Delving into the impact factor system, this book critiques its application within physiology journals. It discusses the advantages and limitations of impact factors as a measure of scientific quality and influence. The author proposes new frameworks for evaluating research impact beyond traditional metrics.

5. Physiology Research Frontiers: Metrics, Impact, and Innovation

Highlighting innovative research in physiology, this volume examines how impact factors correlate with scientific innovation. It features contributions from leading researchers who discuss the intersection of cutting-edge studies and publication metrics. The book also addresses the ethical considerations of impact-driven research.

6. Impact Metrics and Frontiers in Integrative Physiology

This book explores the interdisciplinary nature of integrative physiology and how impact factors reflect cross-disciplinary research impact. It provides a critical review of journals that publish integrative studies and evaluates their influence on the field. Strategies for enhancing research visibility and citation are also discussed.

7. Emerging Trends and Impact Factor Analysis in Cellular Physiology

Focusing on cellular physiology, this text analyzes recent research trends and their representation in high-impact journals. It emphasizes the role of impact factors in promoting cellular-level discoveries and methodological advancements. The author offers recommendations for researchers aiming to publish in leading outlets.

8. Quantifying Excellence: Impact Factors in Neurophysiology Frontiers

This specialized book targets the neurophysiology subfield, assessing how impact factors shape research priorities and funding. It reviews top neurophysiology journals and their influence on the scientific community. Discussions include the balance between impact-driven publication and scientific rigor.

9. Redefining Impact: Frontiers in Exercise Physiology and Scholarly Metrics

Examining exercise physiology, this book investigates the relationship between impact factors and the dissemination of research in health and performance sciences. It highlights the challenges faced by authors in publishing impactful work and suggests alternative approaches to measuring scholarly success. The text advocates for a more holistic view of

research impact.

Impact Factor Frontiers In Physiology

Find other PDF articles:

<http://www.devensbusiness.com/archive-library-508/Book?dataid=BSB11-9745&title=medica-home-health-care.pdf>

impact factor frontiers in physiology: The New Frontier of Network Physiology: From Temporal Dynamics to the Synchronization and Principles of Integration in Networks of Physiological Systems Plamen Ch. Ivanov, Andras Eke, Olga Sosnovtseva, 2022-02-17

impact factor frontiers in physiology: **Thrive** Richard Sutton, 2024-01-02 Richard Sutton has helped some of the world's top sports stars and business leaders achieve their full potential, and now he is making the tools they use to thrive available to everyone. We live in a world that demands perfection. Should we fail to live up to societal expectations, we experience a sense of failure, and fears and anxiety about a tenuous future. Added to this is the struggle with financial pressures and widening gaps in inequality, chronic stress and mental health challenges. Yet, in truth, it doesn't matter where we come from and what our historic circumstances and achievements might be. We are all capable of extraordinary lives and should not be bound by limitations, whether self-imposed or from external sources. Resilience can help you to unlock your fullest potential; it is a consummate skill that can be developed and grown throughout your life. This book reveals all the practical tools you need: Discover the 8 secrets of neuroscience that will unlock your increased resilience Take a masterclass in behavioural science designed for Olympic athletes, by learning the 7 key skills that give you the mindset of a champion Take the tests provided to understand your personal resilience scores and reveal where you can develop and grow Be inspired by the stories of real people, including Michael Phelps, Michael Jordan, Usain Bolt, Martina Navratilova and Sifan Hassan, who have used these same techniques to achieve success Thrive is a rich source of unique and practical skills and tools that are easy to apply in everyday life to help you develop and harness your resilience, and to realise your fullest potential.

impact factor frontiers in physiology: AI empowered cerebrocardiovascular health engineering Lisheng Xu, Dingchang Zheng, Jianbao Zhang, Fei Chen, Rong Liu, 2024-01-02

impact factor frontiers in physiology: **Bioorganic Chemistry Frontiers** , 2012-12-06 Better understanding of life processes on a molecular level is the aim of Bioorganic Chemistry. Structure elucidation, synthesis of biomimetic models, theoretical and mechanistic concepts e.g. of enzyme action are the basic tools. The new series will bring together critical reviews on the progress in this field.

impact factor frontiers in physiology: **Climate, Ticks and Disease** Pat Nuttall, 2021-11-26 This book brings together expert opinions from scientists to consider the evidence for climate change and its impacts on ticks and tick-borne infections. It considers what is meant by 'climate change', how effective climate models are in relation to ecosystems, and provides predictions for changes in climate at global, regional and local scales relevant for ticks and tick-borne infections. It examines changes to tick distribution and the evidence that climate change is responsible. The effect of climate on the physiology and behaviour of ticks is stressed, including potentially critical impacts on the tick microbiome. Given that the notoriety of ticks derives from pathogens they transmit, the book considers whether changes in climate affect vector capacity. Ticks transmit a remarkable range of micro- and macro-parasites many of which are pathogens of humans and domesticated animals.

The intimacy between a tick-borne agent and a tick vector means that any impacts of climate on a tick vector will impact tick-borne pathogens. Most obviously, such impacts will be apparent as changes in disease incidence and prevalence. The evidence that climate change is affecting diseases caused by tick-borne pathogens is considered, along with the potential to make robust predictions of future events.

impact factor frontiers in physiology: Multiscale Cohort Modeling of Atrial Electrophysiology : Risk Stratification for Atrial Fibrillation through Machine Learning on Electrocardiograms Nagel, Claudia, 2023-04-24 An early detection and diagnosis of atrial fibrillation sets the course for timely intervention to prevent potentially occurring comorbidities. Electrocardiogram data resulting from electrophysiological cohort modeling and simulation can be a valuable data resource for improving automated atrial fibrillation risk stratification with machine learning techniques and thus, reduces the risk of stroke in affected patients.

impact factor frontiers in physiology: Digital Twins and Simulation Technology Lavanya Sharma, Pradeep Kumar Garg, 2025-07-04 This book provides a comprehensive overview of the concept of digital twins, emphasising its strategic importance across various commercial domains. This book covers the fundamentals, data requirements, tools, and technologies essential for understanding and implementing digital twins. It discusses how digital twins are used for running simulations, analysing performance issues, and generating potential improvements to optimise business processes. The book explores the architecture, historical background, and real-time applications in sectors including urban planning, healthcare, smart cities, and manufacturing. Explains digital twin technology, including its core principles, architecture, and how it replicates physical objects in virtual platforms, in detail Covers the data types and tools necessary for creating and maintaining digital twins, including sensors, data processing systems, and integration methodologies Explores technologies such as Computer Vision, IoT, AI, ML, 5G, AR, and VR that drive the functionality and application of digital twins Analyses practical applications in diverse sectors like urban planning, smart cities, healthcare, manufacturing operations, and power-generation equipment, showcasing real-world use cases and benefits Examines real-time challenges and limitations associated with implementing digital twin technology, providing a balanced view of its capabilities and constraints It is a reference book for researchers, scholars, and students who are working or interested in learning about digital twin technology.

impact factor frontiers in physiology: Postharvest Physiological Disorders in Fruits and Vegetables Sergio Tonetto de Freitas, Sunil Pareek, 2019-01-15 This book, chock full of color illustrations, addresses the main postharvest physiological disorders studied in fruits and vegetables. For a wide variety of fruits and vegetables, Postharvest Physiological Disorders in Fruits and Vegetables describes visual symptoms, triggering and inhibiting mechanisms, and approaches to predict and control these disorders after harvest. Color photographs illustrate the disorders, important factors, physiology, and management. The book includes a detailed description of the visual symptoms, triggering and inhibiting mechanisms, and possible approaches to predict and control physiological disorders. The mechanisms triggering and inhibiting the disorders are discussed in detail in each chapter, based on recent studies, which can help readers better understand the factors regulating each disorder. The description of possible approaches to predict and control each disorder can help growers, shippers, wholesalers, and retailers to determine the best management practices to reduce disorder incidence and crop losses. Features: Presents visual symptoms of postharvest physiological disorders that will help readers to precisely identify the disorders in fruits and vegetables Details mechanisms triggering and inhibiting the postharvest disorders Explains possible approaches to predict and control these disorders Suggests the best postharvest management approaches for each crop Although there are many scientific publications on postharvest physiological disorders, there are no recent reviews or books putting together the most recent information about the mechanisms regulating, as well as about the possible approaches to predict and control these disorders.

impact factor frontiers in physiology: A Multiscale In Silico Study to Characterize the Atrial

Electrical Activity of Patients With Atrial Fibrillation : A Translational Study to Guide Ablation

Sánchez Arciniegas, Jorge Patricio, 2022-05-30 The atrial substrate undergoes electrical and structural remodeling during atrial fibrillation. Detailed multiscale models were used to study the effect of structural remodeling induced at the cellular and tissue levels. Simulated electrograms were used to train a machine-learning algorithm to characterize the substrate. Also, wave propagation direction was tracked from unannotated electrograms. In conclusion, in silico experiments provide insight into electrograms' information of the substrate.

impact factor frontiers in physiology: Biomechanical Basis of Human Movement Joseph Hamill, Kathleen Knutzen, Tim Derrick, 2020-11-30 The ideal introductory text for a rigorous approach to biomechanics, *Biomechanical Basis of Movement*, Fifth Edition helps build a precise, comprehensive grasp of the full continuum of human movement potential. Focusing on the quantitative nature of biomechanics, this exacting but approachable text applies laws of motion and mechanics to in-depth analysis of specific movements, integrating current literature, meaningful numerical examples, relevant applications, hands-on exercises and functional anatomy, physics, calculus and physiology. Content is organized into sections that build upon each other to offer a structured introduction to biomechanics as it relates to exercise science. The extensively updated Fifth Edition emphasizes clinical relevance with integrated examples and questions and offers an expansive suite of digital resources, including new artwork, animations, and multiple eBook options to make mastery of biomechanics more accessible than ever. Don't miss out on all of the digital resources! Purchase of this title in print format includes the VitalSource® eBook, providing access to additional digital resources. Also available for purchase in two additional VitalSource® eBook versions providing maximum flexibility to fit your course: *Biomechanical Basis of Human Movement: Functional Anatomy*, consisting of Section I: Foundations of Human Movement and Section II: Functional Anatomy *Biomechanical Basis of Human Movement: Mechanical Analysis of Human Motion*, consisting of key content from Section I: Foundations of Human Movement and the full Section III: Mechanical Analysis of Human Motion

impact factor frontiers in physiology: The Human Factor in the Settlement of the Moon Margaret Boone Rappaport, Konrad Szocik, 2021-11-19 Approaching the settlement of our Moon from a practical perspective, this book is well suited for space program planners. It addresses a variety of human factor topics involved in colonizing Earth's Moon, including: history, philosophy, science, engineering, agriculture, medicine, politics & policy, sociology, and anthropology. Each chapter identifies the complex, interdisciplinary issues of the human factor that arise in the early phases of settlement on the Moon. Besides practical issues, there is some emphasis placed on preserving, protecting, and experiencing the lunar environment across a broad range of occupations, from scientists to soldiers and engineers to construction workers. The book identifies utilitarian and visionary factors that shape human lives on the Moon. It offers recommendations for program planners in the government and commercial sectors and serves as a helpful resource for academic researchers. Together, the coauthors ask and attempt to answer: "How will lunar society be different?"

impact factor frontiers in physiology: Cellular, Molecular, Physiological, and Behavioral Aspects of Spinal Cord Injury Rajkumar Rajendram, Victor R Preedy, Colin R. Martin, 2022-05-10 Spinal injury affects about 10 million people annually worldwide, impacting on the family unit and causing lifelong disabilities, with varied symptoms including paresthesia, spasticity, loss of motor control, and often severe pain. *Cellular, Molecular, Physiological, and Behavioral Aspects of Spinal Cord Injury* will enhance readers' understanding of the biological and psychological effects of spinal cord injury. Featuring chapters on gene expression, metabolic effects, and behavior, this volume discusses in detail the impact of spinal cord injury to better understand the underlying pathways and processes. The book has applicability for neuroscientists, neurologists, clinicians, and anyone working to better understand these injuries. - Summarizes the neuroscience of spinal cord injury, including cellular and molecular biology - Contains chapter abstracts, key facts, dictionary, and summary points to aid in understanding - Features chapters on signaling and hormonal events -

Includes plasticity and gene expression - Examines health and stress behaviors after spinal cord injury

impact factor frontiers in physiology: Reperfusion Injuries , 2024-07-17 Reperfusion Injuries - Advances in Understanding, Prevention, and Treatment provides a comprehensive exploration of research and clinical insights into the multifaceted roles of oxygen dynamics in health and disease. This volume addresses critical topics including the dose-response relationship of therapeutic oxygen, biochemical changes in patients, the effects of hypoxia in pediatric and severe clinical conditions, and the prevention of ischemia-reperfusion injury. It also explores biomarkers like Caspase 3, the therapeutic potential of exosomes, and the implications of renal ischemia and hypoxia. This book combines advanced science with practical applications to improve patient care and outcomes.

impact factor frontiers in physiology: Drug Delivery Systems for Metabolic Disorders Harish Dureja, Narasimha Murthy, Peter Wich, Kamal Dua, 2022-08-26 Drug Delivery Systems for Metabolic Disorders presents the most recent developments on the targeted delivery of drugs to deal with metabolic disorders in a safe, compliant and continuous way. The book covers recent developments in advanced drug delivery systems in various metabolic disorders, including disturbances in protein, lipid, carbohydrate and hormone metabolism and lysosomal and mitochondrial disorders. It provides a brief introduction to metabolic disorders, along with a focus on the current landscape and trends in understanding disease pathology using different in vitro and in vivo models required for clinical applications and developments of new therapeutics. Each subsequent chapter covers drug delivery systems dedicated to metabolic diseases caused by disturbances in protein, lipid, carbohydrate and hormone metabolism. Then, it moves on to cover lysosomal storage disorders and applications of phytopharmaceuticals in this context. This is the perfect reference for researchers in pharmaceutical science who are interested in developing new treatments for metabolic diseases. - Offers comprehensive coverage of drug delivery to treat metabolic diseases - Provides insights into how advanced drug delivery systems can be effectively used for the management of various types of metabolic disorders - Includes the most recent research on diagnostic methods and treatment strategies using controlled drug delivery systems

impact factor frontiers in physiology: The Conception Plan Dr Larisa Corda, 2023-12-28 The Conception Plan is the expert, comprehensive guide to boosting your health and fertility. Whether you're struggling to conceive, are considering assisted conception, want to preserve your fertility for later in life or prepare your body for a baby in the future, The Conception Plan has fully customizable options for you. It is written by leading obstetrician and gynaecologist Dr Larisa Corda, who has helped those wishing to become parents conceive through her unique programme, The Conception Plan (TCP), which blends the latest discoveries in Western medicine with the cutting-edge science of epigenetics and complementary alternative therapies. This 12-week, tried-and-tested holistic plan overhauls your health – physically, emotionally and spiritually – to give you the very best chance of getting pregnant. TCP not only increases your chances of conceiving, but also creates the optimum environment for ensuring your baby's lifelong health through the genes it inherits; the plan can extend your fertile window into later life, and encourages healthy habits and changes that will stick with you throughout your parenting journey and beyond. The path to becoming a parent is a process of healing from your past and upgrading your habits, to birth a healthier version of yourself, as well as a child. Conception is so much more than just sperm meets egg, and this programme deconstructs various health conditions that may be affecting your chance of pregnancy, to leave you feeling empowered to take control of your own health and fertility.

impact factor frontiers in physiology: Epigenetic Mechanisms in Plant Stress Adaptation Waseem, Muhammad, Pingwu, Liu, 2025-09-24 Plants evolve mechanisms to cope with environmental stressors like drought, salinity, extreme temperatures, and pathogen attacks. Among these mechanisms, epigenetic regulation plays a pivotal role in enabling plants to respond rapidly and effectively to changing conditions. Epigenetic modifications regulate gene activity in response to stress, enabling plants to improve their physiological and metabolic responses. Understanding these

epigenetic mechanisms may offer valuable insight into plant adaptation strategies and holds the potential for developing stress-tolerant crops through epigenetic breeding mechanisms and biotechnological interventions. *Epigenetic Mechanisms in Plant Stress Adaptation* explores the roles of epigenetic modifications in plant responses to various environmental stressors. It examines how epigenetic changes influence plant adaptation and resilience to stresses like drought, salinity, temperature extremes, and pathogen attacks, providing a comprehensive resource that highlights the significance of epigenetics in plant biology and its potential applications in agriculture and environmental sustainability. This book covers topics such as botany, breeding strategies, and crop management, and is a useful resource for biologists, botanists, engineers, agriculturalists, academicians, researchers, and environmental scientists.

impact factor frontiers in physiology: *Vitamin D and health* , 2024-05-23 *Vitamin D and Health*, Volume 109 reviews the versatility of vitamin D in enhancing the immune system and its potential role in combating many chronic diseases. While vitamin D's role in enhancing bone health is well established, recent studies demonstrated the safety and efficacy of peri-operative vitamin D supplementation in cardiac patients and its impact on post-operative outcomes. Chapters in this new release include discussions on Vitamin D and Immune Function, Vitamin D and Bone Health, Vitamin D and Cardiovascular Disease, Vitamin D and Cancer, Vitamin D and Diabetes, Vitamin D and Neurological Diseases, Vitamin D and Celiac Disease, and much more. - Provides the latest information on the possible mechanisms of action by the active metabolite of vitamin D, 1,25(OH) in immune cells - Covers the beneficial roles of vitamin D in bone health, cardiovascular disease, diabetes, cancers, and celiac disease - Discusses vitamin D's ability to reduce the risk of severity and death from viral diseases such as influenza, COVID-19, and the respiratory syncytial virus (RSV)

impact factor frontiers in physiology: *Vitamin D Hormone* , 2016-01-30 First published in 1943, *Vitamins and Hormones* is the longest-running serial published by Academic Press. The Series provides up-to-date information on vitamin and hormone research spanning data from molecular biology to the clinic. A volume can focus on a single molecule or on a disease that is related to vitamins or hormones. A hormone is interpreted broadly so that related substances, such as transmitters, cytokines, growth factors and others can be reviewed. This volume focuses on vitamin D hormone. - Expertise of the contributors - Coverage of a vast array of subjects - In depth current information at the molecular to the clinical levels

impact factor frontiers in physiology: *The Burnout Bible* Rachel Philpotts, 2023-07-17
Winner 2024: The People's Book Prize Beryl Bainbridge Award for First-Time Author **Business Book Awards 2024 Finalist** Are you fed up of feeling tired, wired and unable to manage your mood? Worried that your mental health is having an effect on your relationships or your ability to perform at work? You are not alone. Many successful career women believe they thrive under pressure yet become susceptible to the negative effects of stress. Despite unexplained changes in their health, some ignore the warning signs and burn out. At best this leaves them unable to function and at worst it can lead to infertility, heart attack, stroke or dementia. Antidepressants are frequently offered for the symptoms of burnout but there is another way. In *The Burnout Bible*, registered nutritionist, functional medicine practitioner and mental health expert Rachel Philpotts shares: A simple 4-step solution to improving your mood naturally, Evidence-based nutrition and lifestyle tips to tackle fatigue and emotional overwhelm, and Quick and easy mood-boosting recipes All designed to help you beat burnout and feel revitalized, reenergized and restored.

impact factor frontiers in physiology: *Stress Management* Pardess Mitchell, 2023-12-12 Everyone experiences stress in their lives. While it is a natural response to challenges, stress can have debilitating effects on both physical and mental health. *Stress Management* offers a fresh look at, and effective strategies for, managing stress and building resilience across six dimensions of wellness: physical, emotional, intellectual, social, spiritual, and environmental. This foundational text takes a holistic approach to managing stress, detailing the effects of stress on the body and outlining techniques that examine root causes and proactive responses to stressors. *Stress Management* offers a range of coping strategies that will help students formulate a well-rounded plan to tackle

stress from multiple angles—before it occurs, while it is occurring, and after it occurs. That model is centered on four primary pillars: Source management—reducing or eliminating stress at its source Relaxation—employing techniques for breathing, meditation, and rest to focus the mind and relax the body Thought management—adopting a thought process to better manage the stressor Prevention—avoiding stress when possible The book also offers practical tools to help students learn how to identify their triggers, practice self-care, and leverage support, including knowing when to seek professional help when necessary. To further aid in applying the strategies to their own lives, the text includes these features: Case studies with discussion questions that prompt students to consider real-world scenarios and contemplate ways to solve those stressors Research Spotlight elements that present current issues and hot topics related to stress Online learning tools, delivered through HKPropel, including audio mini lectures and short interviews, self-discovery activities, chapter quizzes that are automatically graded and provide immediate feedback, and vocabulary flash cards and quizzes Stress Management is a timely and highly practical book that offers students a deeper understanding of stress and its effects on overall wellness. It guides them in putting together a stress management plan that will help them be healthy in all aspects of their lives. Note: A code for accessing HKPropel is not included with this ebook but may be purchased separately.

Related to impact factor frontiers in physiology

“Genshin Impact” - Impact 3 Impact

SCI JCR SCI JCR Impact Factor

effect, affect, impact “” - effect, affect, impact 1. effect. To effect () which is an effect () The new rules will effect (), which is an

Communications Earth & Environment - Communications Earth & Environment Nature Geoscience Nature

csgo rating rws kast rating rating 0.9 KD 1

Impact - 2011 1

2025 win11 - win11: win7 win7 win11 win10

pc 200M C 30.1G D 192G 290m C 30.4G

10 research artical 10 IF 292 IF

Nature synthesis Nature Synthesis JACS Nature Synthesis

“Genshin Impact” - Impact 3 Impact

SCI JCR SCI JCR Impact Factor

effect, affect, impact “” - effect, affect, impact 1. effect. To effect () which is an effect () The new rules will effect (), which is an

Communications Earth & Environment - Communications Earth & Environment Nature Geoscience Nature

csgo rating rws kast rating rating 0.9 KD 1

Impact - 2011 1

2025 win11 - win11: win7 win7 win11 win10

pc

200M 30.1G D 192G 290m C 30.4G

10 research artical 10 IF 292 IF

Nature synthesis Nature Synthesis JACS Nature Synthesis

Genshin Impact Impact 3 Impact 3

SCI JCR SCI JCR Impact Factor

effect, affect, impact effect, affect, impact 1. effect. To effect (), which is an effect (), which is an

Communications Earth & Environment Nature Geoscience Nature

csgo rating rws kast rating rating 0.9 KD 1

Impact 2011 1

2025 win11 win11 win7 win7 win11 win10

pc 200M 30.1G D 192G 290m C 30.4G

10 research artical 10 IF 292 IF

Nature synthesis Nature Synthesis JACS Nature Synthesis

Genshin Impact Impact 3 Impact 3

SCI JCR SCI JCR Impact Factor

effect, affect, impact effect, affect, impact 1. effect. To effect (), which is an effect (), which is an

Communications Earth & Environment Nature Geoscience Nature

csgo rating rws kast rating rating 0.9 KD 1

Impact 2011 1

2025 win11 win11 win7 win7 win11 win10

pc 200M 30.1G D 192G 290m C 30.4G

10 research artical 10 IF 292 IF

Nature synthesis Nature Synthesis JACS Nature Synthesis