communications biology impact factor 2022

Communications Biology Impact Factor 2022: Understanding Its Significance and Trends

communications biology impact factor 2022 has become a focal point for researchers, academics, and institutions aiming to assess the journal's standing within the scientific publishing community. As one of the prominent open-access journals under the Nature Portfolio, Communications Biology has steadily gained recognition for publishing high-quality research in the biological sciences. The impact factor, a metric often used to gauge a journal’s influence, provides valuable insights into how widely the research published in the journal is cited and perceived by the scientific community.

In this article, we'll delve into the details surrounding the Communications Biology impact factor 2022, explore what it means for authors and readers, and discuss the broader implications for the field of biological research.

What Is the Communications Biology Impact Factor 2022?

When people refer to the Communications Biology impact factor 2022, they are talking about a specific metric released annually by Clarivate Analytics in the Journal Citation Reports (JCR). The impact factor measures the average number of citations received in 2022 by articles published in Communications Biology during the previous two years (2020 and 2021).

This metric helps quantify the journal's influence and reach within the scientific community. For Communications Biology, which covers a broad spectrum of biological disciplines—from molecular biology and genetics to ecology and evolutionary biology—the impact factor serves as an indicator of the quality and relevance of the research it publishes.

Understanding the Calculation

To clarify, the impact factor is calculated as follows:

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\text{Impact Factor 2022} = \frac{\text{Number of citations in 2022 to articles published in 2020 and 2021}}{\text{Total number of articles published in 2020 and 2021}}
$$

This calculation helps illustrate how often, on average, a paper from Communications Biology published in the last two years is cited in the most recent year.

Communications Biology Impact Factor 2022 in Context

The 2022 impact factor for Communications Biology marks a significant milestone, reflecting the journal's growing reputation. Since its inception in 2018, Communications Biology has rapidly established itself as a reputable platform for disseminating impactful biological research.

Comparing with Other Biology Journals

When evaluating the Communications Biology impact factor 2022, it’s helpful to compare it with other journals in the field:

- Traditional journals like *Journal of Biological Chemistry* and *Molecular Biology and Evolution* have long-standing reputations and impact factors that vary widely.
- Other Nature Portfolio journals, such as *Nature Communications* and *Communications Chemistry*, serve as benchmarks for impact factors in multidisciplinary and specialized fields.

Communications Biology often ranks competitively among these titles, especially considering its relatively recent launch and open-access model. This positions the journal as an attractive choice for authors seeking visibility and influence without paywall restrictions.

The Role of Open Access in Impact Factor Growth

One of the key contributors to the rising Communications Biology impact factor 2022 is its open-access policy. Open access allows anyone worldwide to read articles without subscription barriers, which naturally increases the likelihood of citations. Researchers, educators, and policymakers can readily access and build upon published work, enhancing the journal’s citation metrics.

Why Does the Communications Biology Impact Factor Matter?

For many researchers, understanding the Communications Biology impact factor 2022 is crucial when deciding where to submit their work. But why is the impact factor such a widely referenced metric?

Impact Factor as a Quality Indicator

While no metric is perfect, the impact factor is often used as a proxy for journal quality. Higher impact factors generally indicate that articles published in the journal are frequently cited, suggesting that the research is influential and relevant.

For early-career scientists, publishing in a journal like Communications Biology with a solid impact factor can enhance their academic profiles and open doors to funding and collaboration opportunities.

Influence on Institutional Decisions

Academic institutions and funding bodies often consider the impact factors of journals when assessing researchers’ output. A strong Communications Biology impact factor 2022 can therefore indirectly influence career progression, grant approvals, and institutional rankings.

Impact on Research Visibility

Publishing in a journal with a high impact factor increases the likelihood that research will be noticed and cited by peers. Communications Biology’s emphasis on interdisciplinary biological research means that studies published here can reach a wide audience, from molecular biologists to ecologists.

Factors Affecting the Communications Biology Impact Factor 2022

Several elements contribute to the journal’s impact factor, beyond just the quality of individual articles.

Editorial Standards and Peer Review

Communications Biology maintains rigorous peer review and editorial standards, ensuring that only robust and innovative research is published. This careful curation enhances the journal’s reputation and citation

potential.

Trending Topics and Research Areas

The impact factor also reflects the popularity of research topics. For instance, articles on cutting-edge areas such as CRISPR gene editing, climate change biology, or microbiome research tend to attract more citations, boosting the journal’s overall metric.

Publication Volume and Article Types

Journals that publish a balanced mix of original research, reviews, and commentaries often see varied citation patterns. Communications Biology focuses primarily on original research but also includes reviews, which typically garner higher citations and can positively affect the impact factor.

Tips for Authors Considering Communications Biology

If you’re a researcher thinking about submitting to Communications Biology, understanding how the journal’s impact factor aligns with your goals is key.

- **Align Your Research with the Journal’s Scope:** Ensure your work fits the journal’s interdisciplinary focus on biology to maximize relevance.
- **Highlight Novelty and Impact:** Articles that present significant advances or novel methodologies tend to attract more citations.
- **Leverage Open Access Benefits:** Since Communications Biology is open access, your work will have broader visibility, potentially increasing citations.
- **Engage with the Scientific Community:** Promote your published work through conferences, social media, and collaborations to enhance its reach.

Looking Ahead: The Future of Communications

Biology Impact Factor

The Communications Biology impact factor 2022 is just one snapshot in a dynamic landscape. As the journal continues to evolve, several trends may influence its impact factor in coming years:

- **Growing Interdisciplinary Research:** Biology increasingly intersects with computational sciences, physics, and engineering, broadening the journal’s scope and citation potential.
- **Emphasis on Reproducibility:** Journals that prioritize reproducible science may see enhanced trust and citations.
- **Open Science Initiatives:** Transparency and data sharing can increase article usefulness and citations.

Researchers and institutions will continue to watch the Communications Biology impact factor closely as it reflects not only journal prestige but also evolving scientific priorities.

The communications biology impact factor 2022 serves as a valuable indicator in the ever-changing world of scientific publishing. It highlights the journal’s role in advancing biological sciences and offers a useful benchmark for researchers seeking to publish impactful work. Whether you are an author, reader, or academic administrator, keeping an eye on this metric can help navigate the complexities of research dissemination and influence.

Frequently Asked Questions

What was the impact factor of Communications Biology in 2022?

The impact factor of Communications Biology in 2022 was approximately 7.4.

How does the 2022 impact factor of Communications Biology compare to previous years?

The 2022 impact factor of Communications Biology showed a slight increase compared to 2021, indicating growing recognition and citation of its published research.

What does the impact factor of Communications Biology signify?

The impact factor reflects the average number of citations received per paper published in Communications Biology during the preceding two years, indicating the journal's influence in the field of biology.

Is Communications Biology considered a high-impact journal in 2022?

Yes, with an impact factor around 7.4 in 2022, Communications Biology is considered a reputable and influential journal in the biological sciences.

Where can I find the official 2022 impact factor for Communications Biology?

The official 2022 impact factor for Communications Biology can be found on the Journal Citation Reports (JCR) released by Clarivate Analytics.

How does the impact factor affect the perception of Communications Biology among researchers?

A higher impact factor like 7.4 in 2022 enhances the journal's reputation, attracting high-quality submissions and encouraging researchers to cite its articles.

Additional Resources

Communications Biology Impact Factor 2022: An Analytical Review

communications biology impact factor 2022 has become a critical benchmark for researchers, academicians, and institutions assessing the journal’s influence within the scientific community. As a relatively young journal under the Nature Portfolio, Communications Biology has rapidly positioned itself as a reputable platform for publishing high-quality research in the biological sciences. Understanding its impact factor in 2022 not only sheds light on its current standing but also indicates trends relevant to authors seeking prestigious venues for their work.

Understanding the Communications Biology Impact Factor 2022

The impact factor is a widely recognized metric that quantifies the average number of citations received per paper published in a journal during the

preceding two years. For Communications Biology, the impact factor in 2022 is an important indicator reflecting both the visibility and the scientific relevance of the articles published.

According to Clarivate’s Journal Citation Reports, Communications Biology achieved an impact factor of approximately 6.0 in 2022. This figure marks a significant milestone considering the journal was launched only in 2018. The growth trajectory suggests a robust acceptance and citation rate, positioning Communications Biology above many other interdisciplinary biology journals.

Comparative Context Within Biological Sciences Journals

To appreciate the significance of the communications biology impact factor 2022, it is essential to contextualize it alongside peer journals. For example:

- **Nature Communications**, a multidisciplinary journal covering biological sciences among other fields, holds an impact factor near 17, representing a broader scope and a longer presence in the field.
- **PLoS Biology**, a well-established open-access journal, has an impact factor around 9.5, reflecting its strong influence in biological research.
- **eLife**, which publishes in life sciences and biomedicine, has an impact factor close to 9, signifying its growing reputation.

Communications Biology’s impact factor of 6.0 situates it as a competitive, rapidly maturing journal, particularly appealing for researchers interested in publishing high-quality, open-access biological research.

Factors Contributing to the 2022 Impact Factor

Several strategic and operational factors have contributed to Communications Biology’s impact factor in 2022:

Open Access Model

Since its inception, Communications Biology has adopted an open-access publishing model. This approach increases the accessibility of published research, allowing a broader audience to read and cite articles without

subscription barriers. The open-access factor generally correlates with higher citation rates, supporting the journal’s growing impact.

Editorial Standards and Peer Review

The journal maintains rigorous editorial standards with a strong peer-review process. This ensures that only scientifically robust and innovative research gets published, which attracts citations from the global scientific community. The journal’s editorial board comprises leading experts, which further enhances the quality and reputation of the publications.

Multidisciplinary Scope Within Biology

Communications Biology covers a broad range of subfields within biology, from molecular biology and genetics to ecology and evolutionary biology. This wide scope enables the journal to attract diverse submissions and citations from various research areas, contributing to a higher impact factor.

Rapid Publication and Visibility

The journal offers relatively quick turnaround times from submission to publication, a factor that appeals to researchers seeking timely dissemination of their findings. Faster publication often leads to earlier citations, positively influencing the impact factor.

Implications of the Communications Biology Impact Factor 2022 for Researchers

The impact factor serves as a crucial consideration for authors deciding where to submit their manuscripts. Communications Biology’s 2022 impact factor reflects several implications:

- **Recognition:** Publishing in a journal with a rising impact factor can enhance the visibility and perceived prestige of a researcher’s work.
- **Career Advancement:** Institutions and funding bodies often consider impact factors in evaluating research output, making Communications Biology a viable option for authors aiming to strengthen their academic profiles.
- **Open Science Advocacy:** The journal’s commitment to open access aligns

with the growing global movement toward transparency and accessibility in science.

Potential Limitations and Critiques

While the communications biology impact factor 2022 is impressive, reliance on impact factors alone can be misleading. Critics argue that impact factors do not fully capture the quality or societal relevance of research. Furthermore, high-impact journals sometimes face challenges related to publication biases and the pressure to prioritize trendy topics.

For Communications Biology, some researchers might find the article processing charges (APCs) associated with open access a barrier, although this is a common factor across many open-access journals.

Future Outlook for Communications Biology

Given the upward trend in citations and submissions, Communications Biology is likely to continue enhancing its impact factor in coming years. The journal's strategic emphasis on rigorous peer review, open access, and broad biological scope positions it well in a competitive publishing landscape.

Innovations such as integrating more interdisciplinary research, expanding data-sharing policies, and enhancing digital tools for research dissemination may further boost the journal's influence. Additionally, as open-access mandates from funders become more prevalent, Communications Biology's model could attract even more submissions, thereby increasing its citation potential.

The communications biology impact factor 2022 serves not only as a snapshot of the journal's current stature but also as a predictor of its evolving role in the biological sciences publishing ecosystem. Researchers and institutions alike will continue to monitor this metric as part of their publication strategies and academic evaluations.

Communications Biology Impact Factor 2022

communications biology impact factor 2022: Electromagnetic Fields of Wireless Communications: Biological and Health Effects Dimitris J. Panagopoulos, 2022-12-30 This book reflects contributions from experts in biological and health effects of Radio Frequency (RF)/Microwave and Extremely Low Frequency (ELF) Electromagnetic Fields (EMFs) used in wireless communications (WC) and other technological applications. Diverse topics related to

physics, biology, pathology, epidemiology, and plausible biophysical and biochemical mechanisms of WC EMFs emitted by antennas and devices are included. Discussions on the possible consequences of fifth generation (5G) mobile telephony (MT) EMFs based on available data and correlation between anthropogenic EMF exposures and various pathological conditions such as infertility, cancer, electro-hypersensitivity, organic and viral diseases, and effects on animals, plants, trees, and environment are included. It further illustrates individual and public health protection and the setting of biologically- and epidemiologically-based exposure limits. Features: Covers biological and health effects, including oxidative stress, DNA damage, reproductive effects of mobile phones/antennas (2G, 3G, 4G), cordless phones, Wi-Fi, etc. Describes effects induced by real-life exposures by commercially available devices/antennas. Illustrates biophysical and biochemical mechanisms that fill the gap between recorded experimental and epidemiological findings and their explanations. Explores experimental and epidemiological facts and mechanisms of action. Provides explanations and protection tips. Transcends across physical, biological, chemical, health, epidemiological, and environmental aspects of the topic. This book is aimed at senior undergraduate/graduate students in physics, biology, medicine, bioelectromagnetics, electromagnetic biology, non-ionizing radiation biophysics, telecommunications, electromagnetism, bioengineering, and dosimetry.

communications biology impact factor 2022: Glucose and Insulin Homeostasis Alok Raghav, Rimma Shaginian, 2024-10-02 Glucose and Insulin Homeostasis provides a thorough overview of the latest research efforts in endocrinology and opens new possible research paths for further novel developments. Chapters address such topics as hypoglycemia in hospitalized patients and those with type 1 diabetes, use of metformin in high-risk patients, the importance of continuous glucose monitoring, lifestyle interventions for managing insulin resistance, and much more.

communications biology impact factor 2022: Advancing Global Food Security With Agriculture 4.0 and 5.0 Sadiq, Sanusi Mohammed, Ahmad, Muhammad Makarfi, Karunakaran, N., Atapattu, Anjana J., 2025-04-03 Advancing global food security through Agriculture 4.0 and 5.0 represents a shift in the production, distribution, and consumption of food, leveraging the power of cutting-edge technologies to address the challenges of hunger, resource scarcity, and climate change. Agriculture 4.0 has begun to revolutionize farming practices by optimizing crop yields, improving resource management, and enhancing supply chain efficiencies. This technological revolution allows farmers to make data-driven decisions, reduce waste, and increase productivity while minimizing environmental impact. Agriculture 5.0 blends advanced technologies with sustainable practices to foster productivity and social and environmental well-being, creating a more resilient and equitable global food system. Further exploration of these two phases may enhance food security, ensuring access for a growing global population. Advancing Global Food Security With Agriculture 4.0 and 5.0 examines the transformative impact of advanced technologies on agricultural practices and their role in ensuring food security worldwide. It explores the integration of cutting-edge technologies like artificial intelligence, Internet of Things, robotics, and big data analytics into traditional farming methods. This book covers topics such as climate change, farming systems, and livestock management, and is a useful resource for farmers, agriculturalists, climatologists, business owners, academicians, researchers, and scientists.

communications biology impact factor 2022: Intercellular and Interorganellar Transfer and Communication in Biology and Medicine Malgorzata Kloc, Jacek Z. Kubiak, Marta Halasa, 2024-09-06 This volume covers recent developments on the role, composition, and functional significance of intercellular and interorganellar transfer. It highlights the involvement of intercellular and interorganellar transfer in cell and developmental biology, differentiation, pathogen dissemination, shaping the genetic makeup of organisms, and the development of various diseases. Animals and plants evolved different communication mechanisms and transfer of molecules and organelles between cells and between organelles within the individual cells. Tunneling nanotubes (TNTs) in animals, discovered as recently as 2004, and their functional equivalent in plants, plasmodesmata, discovered over 100 years ago, are the membranous bridges that mediate

the transfer of organelles, membrane patches, vesicles, DNA/RNA, and different molecules between cells. In addition, there are other means of transfer and communication between the cells, such as cytonemes, airinames, extracellular vesicles (exosomes), and others. Variations in cytoskeletal composition, morphology, modality, and connected cells suggest that these structures play a role in development, establishment of cell fate, progenitor cell differentiation, cell reprogramming, ferroptosis, generation of cancer stem cells, and various diseases. The exchange of intact membrane patches (trogocytosis) between cells of the immune system may modify the immune response. Additionally, the transfer of genetic information between nucleus and organelles and cells of different species can shape the species and evolutionary outcome. Viral and bacterial pathogens can hijack the inter-cellular transfer routes to spread more efficiently. Cell-to-cell transfer of animal and plant pathogens can also occur by the virological synapse (VS). These specialized pathogen-induced structures share similarities and differences with neurological and immunological synapses.

communications biology impact factor 2022: Toxicology of Biological Communication Robert Barouki, Xavier Coumoul, Etienne Blanc, 2025-02-16 Communication is vital for biological systems. This book covers how environmental stressors can disrupt these communications leading to adverse outcomes and goes beyond endocrine disruption. Since the endocrine system is primarily a communication system, endocrine disruption is the clearest example of communication toxicology. However, other physiological systems rely heavily on communication and therefore its disruption by toxicants can have considerable impacts. This is illustrated with the effects of toxicants on the nervous and the immune system. The exposome concept has considerably changed the field of toxicology as it tends to integrate different exposures and highlights their interactions. This book discusses how it has also fueled the relevance of communication between different systems to better understand the mechanisms of toxicity. The dialogue between chemicals and the dietary imbalance as well as between chemicals and psycho-social stress is further discussed and integrated into the global communication disruption concept. This book is intended for researchers, scientists, students, NGO experts, and all interested citizens with some biological background.

communications biology impact factor 2022: Immune Checkpoint Biology in Health and Disease , 2024-01-15 Immune Checkpoint Biology in Health and Disease, Volume 382 provides in-depth reviews on the latest progress concerning research on immune-checkpoint biology and its immunotherapeutic implications, especially in cancer. Topics connected to immune-checkpoint biology covered in this volume include Novel technologies for applying immune checkpoint blockers, Next-generation deconvolution of transcriptomic data to investigate the tumor microenvironment, Immune checkpoints targeting dendritic cells for antibody-based modulation in cancer, Immune checkpoint biology in health & disease: Immune checkpoint biology and autoimmunity in cancer patients, and much more.Other sections cover Recent advancements in tumor microenvironment landscaping for target selection and response prediction in immune checkpoint therapies achieved through spatial protein multiplexing analysis, Immune Modulation During Anti-Cancer Radio(immuno)therapy, and Preconditioning with immunogenic cell death-inducing treatments for subsequent immunotherapy. - Provides comprehensive reviews from frontline experts on the topic of Immune-checkpoints - Presents useful schematic material and cutting-edge discussions - Covers the latest insights and future perspectives on the covered topics and their implications for immunology and immunotherapy, as well as clinical perspectives

communications biology impact factor 2022: A History of Bodies, Brains, and Minds Francisco Aboitiz, 2024-09-17 A panoramic view of the evolution of life on our planet, from its origins to humanity’s future. In A History of Bodies, Brains, and Minds, Francisco Aboitiz provides a brief history of life, the brain, and cognition, from the earliest living beings to our own species. The author proceeds from the basic premise that, since evolution by natural selection is the process underlying the origin of life and its evolution on earth, the brain—and thus our minds—must also be the result of biological evolution. The aim of this book is to narrate how animal bodies came to be built with their nervous systems and how our species evolved with culture, technology, language, and consciousness. The book is organized in four parts, each delving into a different aspect of

evolutionary development: • Definitions lays the groundwork by discussing the principles of biological evolution and explores the definition and mechanisms of life itself. • Beginnings describes the origins of life, starting from the emergence of the first cells to the development of neurons as the building blocks for brain networks. • The Rise of Bodies and Brains examines the evolution of animals with bilateral symmetry, the emergence of chordates and vertebrates, and the expansion and diversification of the vertebrate brain. • A Singular Ape explores Homo sapiens and our species' unique traits, such as bipedality, tool use, culture, language, communication, and consciousness. Comprehensive and deeply insightful, this book helps us understand our place in the natural world and the cosmos—as well as what the future might hold for life on earth.

communications biology impact factor 2022: Fundamentals of Cognition Michael W. Eysenck, Marc Brysbaert, 2023-09-12 Is it possible to learn something without being aware of it? How does emotion influence the way we think? How can we improve our memory? Fundamentals of Cognition, Fourth Edition, provides a basic, reader-friendly introduction to the key cognitive processes we use to interact successfully with the world around us. Our abilities in attention, perception, learning, memory, language, problem solving, thinking, and reasoning are all vitally important in enabling us to cope with everyday life. Understanding these processes through the study of cognitive psychology is essential for understanding human behaviour. This edition has been thoroughly updated and revised with an emphasis on making it even more accessible to introductory-level students. This new edition includes: updated references for readers who are looking for more detailed information; checks to make sure that statements made in the previous version are still valid, given recent findings on replication issues; extended research activities and In the Real World case studies to make it easy for students to engage with the material; real-world topics such as discussions of attention-deficit/hyperactivity disorder, the reading problems of individuals with dyslexia, why magic tricks work, and why we cannot remember the Apple logo accurately; an extensive set of Key term definitions; supporting Instructor and Student Resources containing multiple choice questions, flashcards, simulations of key experiments, and instructor resources. The book provides a perfect balance between traditional approaches to cognition and cutting-edge cognitive neuroscience and cognitive neuropsychology. Covering all the key topics within cognition, this comprehensive overview is essential reading for all students interested in psychology.

communications biology impact factor 2022: Biology and Management of the Formosan Subterranean Termite and Related Species Nan-Yao Su, Chow-Yang Lee, 2023-12-22 The Formosan subterranean termite, Coptotermes formosanus, is the most destructive and invasive termite species globally. It is also the only termite species listed in the world's 100 worst invasive alien species of the Global Invasive Species Database. Annually, its infestation costs more than $4 billion in control and damage repairs in the USA alone. This book is the first comprehensive resource drawing on all the literature on C. formosanus since Tokuichi Shiraki first described the species in 1909. The book covers the worldwide distribution of this species, its biogeography, and how it has dispersed from its native range in southern China and Taiwan to different parts of the world. It describes its present taxonomic status and discusses the species' biology, ecology, foraging behavior, physiology, chemical ecology and its association with symbionts. From a practical standpoint, the authors address all of the various management options for this species, such as baits, soil termiticides, wood preservatives, inspection and detection technologies, and Integrated Pest Management (IPM) approaches. Lastly, there are chapters dedicated to another important destructive species, Coptotermes gestroi (the Asian subterranean termite), and the recently discovered C. formosanus/C. gestroi hybrids. This important book is an essential and valuable reference for researchers, graduate students, pest management professionals, chemical manufacturer personnel, building and property managers, and others. It provides readers with a comprehensive understanding of the biology and management of the Formosan subterranean termite and the Asian subterranean termite.

communications biology impact factor 2022: Mitochondrial Signaling and Regulation

Seyyed Shamsadin Athari, Entezar Mehrabi Nasab, 2025-10-01 Mitochondrial Signaling and Regulation: Immune Responses and Diseases delves into the latest research on molecular pathophysiology mechanisms and cell signaling pathways in the pathogenesis of diseases via mitochondrial regulation. This comprehensive study underscores the importance of mitochondria in cellular processes and their role in disease development. Early chapters discuss the crucial role, regulation, and crosstalk of mitochondria, highlighting their significance in maintaining cellular health. The exploration of mitochondria mutations and mitochondria-related diseases follows, providing a detailed understanding of the genetic aspects involved.Final chapters focus on mitochondria's involvement in immune responses and allegro-inflammation, presenting the intricate connections between mitochondrial function and the immune system. The book also explores the use of biotechnology in developing new treatments and targeted therapies against mitochondrial dysfunction. This resource sets the foundation for new classifications, prevention methods, therapies, and treatments of mitochondria-related diseases, making it invaluable for scientists and researchers dedicated to this field. - Covers how the regulation of mitochondria influences immune responses and diseases - Presents new cell signaling pathways to pioneer drug development and innovative therapies - Reviews the latest research on diagnoses, treatment, prevention, and controlling of diseases via mitochondrial regulation

communications biology impact factor 2022: Modifications and Targeting of Protein Termini Part A , 2023-05-23 Modifications and Targeting of Protein Termini, Volume 684 in the Methods in Enzymology series serial highlights new advances in the field, with this new volume presenting interesting chapters pn a variety of timely topics, including Optimizing purification and activity assays of N-terminal methyltransferase complexes, In vitro reconstitution of hierarchical steps of Arg/N-degron pathway, Identification of N-degrons and N-recognins by using peptide-pull-downs combined with quantitative proteomics, A decoupled Virotrap approach to study the interactomes of N-terminal proteoforms, Monitoring ADO-dependent proteolysis in cells using fluorescent reporter proteins, Site-specific α-N-terminal methylation on peptides through chemical and enzymatic methods, and more. Additional sections cover Monitoring the interactions between N-degrons and N-recognins of the Arg/N-degron pathway, Characterization and chemical modulation of p62/SQSTM1 as an autophagic N-recognin of the Arg/N-degron pathway, Analysis of higher plant N-degron pathway components and substrates via expression in S. cerevisiae, and so much more. - Provides the authority and expertise of leading contributors from an international board of authors - Presents the latest release in the Methods in Enzymology serials - Updated release includes the latest information on Modifications and Targeting of Protein Termini

communications biology impact factor 2022: Generation Angst Jonathan Haidt, 2024-06-18 Drei technische Megatrends bestimmten die Nullerjahre: das iPhone, hyperviralisierte Social-Media-Plattformen und die Selfie-Kultur. Das Ergebnis: Eine ganze Generation von Kindern und Jugendlichen verwandte mehrere Stunden am Tag darauf, um durch die Beiträge von Influencer:innen und Jugendlichen zu scrollen, statt mit anderen Menschen zu spielen, zu sprechen oder Blickkontakt aufzunehmen. Die Mitglieder der Generation Z wurden damit zu Testpersonen für das Aufwachsen in einer durch die Sozialen Medien radikal umgestalteten Umgebung. Was sind die Folgen dieses Experiments, und wie können wir ihnen begegnen? Diesen Fragen widmet sich Jonathan Haidt in «Generation Angst». Sein Buch richtet sich an alle, die verstehen wollen, wie die schnellste und allumfassendste Neuverdrahtung menschlicher Beziehungen es uns allen erschwert, klar zu denken, uns zu konzentrieren, uns um andere zu kümmern und enge Bindungen einzugehen. Es ist auch ein Buch darüber, wie wir ein menschliches Leben für unsere Kinder und für die Menschheit zurückgewinnen können.

communications biology impact factor 2022: *Family Communication as... Exploring Metaphors for Family Communication* Jimmie Manning, Jordan Allen, Katherine J Denker, 2022-11-02 An innovative textbook that presents a novel and compelling examination of family communication studies Family Communication as... Exploring Metaphors for Family Communication presents a series of metaphors through which students explore the nuances and complexities of

family interaction. With a unique approach to the foundational theories and real-world practices of family communication, this easily accessible textbook helps students develop a clear understanding of what family communication is and what it can be. Contributions by both prominent and newer scholars theorize about family communication, offer new perspectives, challenge long-held assumptions, and describe original research to provide students with an up-to-date representation of the leading thinking in the field. Each concise chapter focuses on a specific element of family life, engaging key metaphors to stimulate classroom discussion about family in contexts ranging from ritual and embodiment to estrangement and heteronormativity. Throughout the text, students examine family metaphorically—as memory, as social identity, as estrangement, as loss, as resilience, as raced, and more. Presents a metaphorical examination of creating, materializing, contextualizing, politicizing, and complicating family communication Offers an innovative alternative to standard textbooks on the subject Features a thorough introduction advocating for the use of metaphors in teaching Discusses the key topics and theoretical approaches that have defined the field Includes detailed references, additional readings, and an instructor's companion website Family Communication as... Exploring Metaphors for Family Communication is an excellent textbook for advanced undergraduate and graduate students in courses including family communication, family studies, interpersonal communication, relational communication, and communication theory. It is also a highly useful resource for scholars in fields such as media studies, psychology, sociology, social work, counseling, and public health.

communications biology impact factor 2022: How Primates Eat Joanna E. Lambert, Margaret A. H. Bryer, Jessica M. Rothman, 2024-07-30 Exploring everything from nutrients to food acquisition and research methods, a comprehensive synthesis of the study of diet and feeding in nonhuman primates. What do we mean when we say that a diet is nutritious? Why can some animals get all the energy they need from eating leaves while others would perish on such a diet? Why don't mountain gorillas eat fruit all day as chimpanzees do? Answers to these questions about food and feeding are among the many tasty morsels that emerge from this authoritative book. Informed by the latest scientific tools and millions of hours of field and laboratory work on species across the primate order and around the globe, this volume is an exhaustive synthesis of our understanding of what, why, and how primates eat. State-of-the-art information presented at physiological, behavioral, ecological, and evolutionary scales will serve as a road map for graduate students, researchers, and practitioners as they work toward a holistic understanding of life as a primate and the urgent conservation consequences of diet and food availability in a changing world.

communications biology impact factor 2022: Detection and Management of New and Emerging Mystery Plant Virus Sources Alireza Golnaraghi, Rajarshi Kumar Gaur, Rakesh Kumar Verma, 2024-11-22 Plant virus infections are estimated to cost billions of dollars in economic losses. Despite intensive efforts to manage and prevent plant viruses and their potential vectors in crop production processes, the threat posed by newly emerging or re-emerging viruses is becoming more common and poses potential threats even in previously uninfected areas. In this new volume, the editors review the progress made and the challenges ahead to address the hidden world of plant viruses, their impact on agriculture and food security, and the need for new detection systems and management strategies.

communications biology impact factor 2022: Communication and Information Technologies through the Lens of Innovation Saliha Assoul, Brahim El Bhiri, Rajaa Saidi, Ebobisse Djene Yves Frederic, 2025-05-03 This book is a comprehensive proceedings book that delves into cutting-edge research and insights in the field of communication and information technologies. Featuring a wide range of research papers and case studies, this book offers a deep exploration of the intersection between technology, innovation, and communication. From examining the impact of digital transformation on organizational change to investigating the role of smart education and intelligent learning systems, each chapter provides valuable insights into key topics shaping the landscape of communication and information technologies. The book offers case studies that highlight the implementation of digital platforms for legal information and the leveraging of e-services for

enhanced importation and foreign investments. This book also delves into advancements in machine learning, including studies on imbalanced datasets and disease categorization. It explores the realm of edge computing systems with a focus on workflow scheduling and examines the impact of radiofrequency on biological systems. Readers will gain valuable insights into antenna design for various applications, satellite imagery analysis, virtual reality therapy for autism, and the simulation of dento-facial deformities through 3D virtual model simulation. With a focus on practical research and innovative solutions, this book serves as a valuable resource for researchers, practitioners, and industry professionals interested in the evolving landscape of technology-driven communication and information systems.

communications biology impact factor 2022: Developing Sustainable and Health-Promoting Cereals and Pseudocereals Marianna Rakszegi, Maria Papageorgiou, João Miguel Rocha, 2023-03-27 Developing Sustainable and Health Promoting Cereals and Pseudocereals: Conventional and Molecular Breeding reviews the most recent developments in the fields of cereal and pseudocereal breeding, with particular emphasis on the latest biotechnological techniques likely to lead to breakthrough changes in plant breeding. The book provides comprehensive information on the use of genetic resources or pre-breeding activities to improve health-related properties of cereals and pseudocereals. The text also explores targeted field-management practices and the latest in biotechnological methodologies, and offers a cohesive overview necessary for understanding the potential impacts and benefits of improved production of cereals and pseudocereals with high-nutritional value. - Includes coverage of cereals and pseudocereals in a single comprehensive volume - Focuses on sustainable circular economy, including assurance of food safety, quality, and health benefits - Examines breeding to attain robust cereal and pseudocereals with higher nutritional value and adapted to specific regions, climate change, and global warming

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communication entail? How, why, and to what extent does employee communication influence or become influenced by organizational processes? Investigating antecedents, organizational contexts and processes, and consequences of employee communication, and offering key theoretical information and empirically driven recommendations for practice, this handbook will be an essential resource for students, researchers, and industry practitioners in employee communication, organizational communication, business and management, leadership communication, and public relations more generally.

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