

# behavioural brain research impact factor

**behavioural brain research impact factor** is a critical metric used to evaluate the influence and prestige of the journal "Behavioural Brain Research" within the scientific community. This impact factor reflects the average number of citations received by articles published in the journal, serving as an indicator of its relevance and contribution to the field of behavioral neuroscience. Understanding the behavioural brain research impact factor helps researchers, institutions, and readers assess the journal's standing and the quality of its published research. This article delves into the significance of the impact factor, the journal's scope, factors influencing its value, and how it compares to other journals in related disciplines. Additionally, the article addresses the implications of the impact factor for authors seeking publication and for the broader scientific community.

- Understanding the Behavioural Brain Research Impact Factor
- Scope and Focus of Behavioural Brain Research Journal
- Factors Influencing the Impact Factor
- Comparison with Other Neuroscience and Behavioral Journals
- Implications for Researchers and the Scientific Community

## Understanding the Behavioural Brain Research Impact Factor

The behavioural brain research impact factor is a quantitative measure that indicates the average number of citations to recent articles published in the journal "Behavioural Brain Research." Published by Elsevier, this journal specializes in the field of behavioral neuroscience, covering a range of topics that link brain function with behavior. The impact factor is calculated annually by indexing services like Clarivate Analytics through the Journal Citation Reports (JCR).

This metric is widely used to gauge the journal's influence, quality, and reputation within academic and research circles. A higher impact factor generally suggests that the journal's articles are frequently cited, reflecting their importance and relevance. However, it is essential to consider that impact factor values may vary across disciplines, with some fields naturally exhibiting higher citation rates than others.

## Calculation of Impact Factor

The impact factor for "Behavioural Brain Research" is calculated by dividing the number of citations in a given year to articles published in the previous two years by the total number of citable articles published during those two years. This formula provides a snapshot of the journal's citation performance and helps researchers identify leading publications in the behavioral neuroscience domain.

## Significance in Academic Publishing

The behavioural brain research impact factor plays a pivotal role in decisions related to manuscript submission, funding allocation, and academic promotions. Researchers often consider the impact factor when selecting journals to publish their findings to maximize visibility and recognition. Institutions may also use the impact factor as a benchmark to evaluate research output quality.

## Scope and Focus of Behavioural Brain Research Journal

"Behavioural Brain Research" is a peer-reviewed scientific journal focusing on experimental studies that explore the relationship between brain function and behavior. It serves as a platform for interdisciplinary research that integrates psychology, neuroscience, pharmacology, and neurobiology.

The journal publishes original research articles, reviews, and theoretical papers that address a broad spectrum of topics including cognitive processes, neurophysiology, neurochemistry, learning and memory, and the neural mechanisms underlying behavior. Its comprehensive scope attracts contributions from researchers worldwide, making it a central repository of knowledge in behavioral neuroscience.

## Types of Research Covered

Research published in the journal typically includes:

- Behavioral studies involving animal models and human subjects
- Neuroimaging and electrophysiological investigations
- Pharmacological interventions affecting behavior
- Neurogenetics and molecular neuroscience related to behavior
- Studies on neurological disorders impacting behavioral functions

## **Target Audience**

The journal's readership includes neuroscientists, psychologists, pharmacologists, neurologists, and other professionals interested in the neural bases of behavior. This diverse audience contributes to the journal's interdisciplinary nature and influences its citation patterns, impacting the behavioural brain research impact factor.

## **Factors Influencing the Impact Factor**

Several factors contribute to the behavioural brain research impact factor, affecting both its magnitude and fluctuations over time. Understanding these factors is crucial for interpreting the impact factor in context and for appreciating the dynamics of academic publishing.

## **Quality and Relevance of Published Articles**

The scientific rigor, novelty, and relevance of the articles published directly influence citation rates. High-quality research that addresses significant questions in behavioral neuroscience is more likely to be cited, thereby increasing the impact factor.

## **Publication Frequency and Article Types**

The number of issues published annually and the balance between original research, reviews, and other article types affect citation dynamics. Review articles tend to attract more citations, which can positively impact the journal's overall impact factor.

## **Indexing and Accessibility**

Being indexed in major databases like PubMed, Scopus, and Web of Science enhances the visibility and accessibility of the journal's content. Open access options and digital dissemination also play roles in increasing readership and citations.

## **Disciplinary Citation Patterns**

Citation behavior varies across scientific disciplines. Behavioral neuroscience often features moderate citation rates compared to other fields, which influences the typical range of the behavioural brain research impact factor.

## **Editorial Policies and Peer Review**

Stringent peer review and editorial standards ensure the publication of robust research, which can lead to higher citations. Editorial strategies aimed at attracting influential papers also contribute to impact factor dynamics.

## **Comparison with Other Neuroscience and Behavioral Journals**

The behavioural brain research impact factor can be better understood by comparing it with impact factors of other journals in related fields. This comparison provides insight into the journal's competitive standing and influence within the scientific community.

## **Neuroscience Journals**

Within the broader category of neuroscience journals, "Behavioural Brain Research" holds a respected position, often ranking alongside specialized publications focusing on neurophysiology, neurochemistry, and cognitive neuroscience. Its impact factor reflects a strong presence in behavioral and experimental neuroscience research.

## **Behavioral Science Journals**

In the context of behavioral science, the journal competes with publications that emphasize psychology, psychiatry, and behavioral biology. While some journals in these areas may have higher impact factors due to broader readerships or clinical focus, "Behavioural Brain Research" maintains relevance through its specialized scope.

## **Factors Affecting Comparative Impact**

The impact factor comparison should consider:

- Journal scope and target audience differences
- Publication volume and article types
- Differences in citation cultures across disciplines
- The journal's age and history in the field

# Implications for Researchers and the Scientific Community

The behavioural brain research impact factor has significant implications for authors, institutions, and the broader scientific community. It influences publication strategies, funding decisions, and perceptions of research quality.

## For Authors

Authors seeking to publish in high-impact journals often consider the behavioural brain research impact factor to maximize the visibility and impact of their work. Publishing in journals with reputable impact factors can enhance career prospects and research dissemination.

## For Institutions and Funders

Academic institutions and funding bodies may use the impact factor as a proxy for research excellence when evaluating grant applications, promotions, and hiring decisions. The behavioural brain research impact factor helps identify influential research outputs in behavioral neuroscience.

## For the Scientific Community

The impact factor contributes to shaping research trends and priorities by highlighting journals that disseminate influential findings. It encourages the publication of high-quality studies and fosters scientific dialogue within the behavioral neuroscience field.

## Best Practices in Using Impact Factor

Despite its utility, the impact factor should be considered alongside other metrics and qualitative assessments:

- Assess article-level metrics such as citations and downloads
- Consider journal reputation and peer review quality
- Use alternative metrics like h-index and altmetrics
- Evaluate research content and relevance to specific fields

# Frequently Asked Questions

## What is the impact factor of the journal 'Behavioural Brain Research'?

As of 2023, the impact factor of 'Behavioural Brain Research' is approximately 3.3, reflecting its influence in the field of neuroscience and behavioral studies.

## How is the impact factor of 'Behavioural Brain Research' calculated?

The impact factor is calculated based on the average number of citations received in a particular year by articles published in the journal during the two preceding years.

## Why is the impact factor important for 'Behavioural Brain Research'?

The impact factor indicates the journal's reputation and the average citation rate of its articles, helping authors decide where to publish and researchers to identify influential studies in behavioral neuroscience.

## How does 'Behavioural Brain Research' impact factor compare to other neuroscience journals?

'Behavioural Brain Research' has a moderate impact factor compared to top-tier neuroscience journals, making it a respected and well-cited source within behavioral and experimental brain research fields.

## Where can I find the latest impact factor for 'Behavioural Brain Research'?

The latest impact factor can be found on the journal's official website, Clarivate Analytics' Journal Citation Reports, or academic databases like Web of Science.

## Additional Resources

### 1. *Behavioral Neuroscience: Insights into Brain Function and Behavior*

This book explores the intricate relationship between brain activity and behavior, highlighting key research findings in behavioral neuroscience. It covers fundamental concepts, experimental techniques, and the impact of neurological changes on behavior. Ideal for researchers and students, it bridges the gap between brain function and observable actions.

## *2. Impact Factor in Behavioral Brain Research: Metrics and Methodologies*

Focusing on the evaluation of scientific impact, this book delves into how impact factors are calculated and their significance in behavioral brain research. It provides a critical analysis of bibliometrics, citation patterns, and the influence of impact factors on research trends. Readers gain insight into the quantitative assessment of scientific literature.

## *3. Neurobehavioral Dynamics: Advances and Applications in Brain Research*

This comprehensive volume presents recent advances in neurobehavioral science, emphasizing experimental approaches and technological innovations. It discusses how behavioral assessments correlate with neural activity, offering applications in clinical and cognitive neuroscience. The book serves as a resource for understanding the dynamic nature of brain-behavior relationships.

## *4. Quantitative Approaches to Behavioral Brain Research Impact*

Highlighting statistical and computational methods, this book addresses the quantification of research impact in behavioral neuroscience. It includes discussions on data analysis, modeling techniques, and the interpretation of research metrics. The text is valuable for scientists aiming to evaluate and enhance the visibility of their work.

## *5. Behavioral Brain Research: Trends, Challenges, and Impact*

This book outlines current trends in behavioral brain research, identifying challenges faced by the scientific community. It examines the role of impact factors in shaping research priorities and funding opportunities. The authors provide a balanced view of the benefits and limitations of impact metrics in neuroscience.

## *6. From Neurons to Behavior: Measuring Impact in Brain Research*

Exploring the journey from neural mechanisms to behavioral outcomes, this volume discusses how impact is measured in brain research publications. It integrates perspectives from neurobiology, psychology, and scientometrics. The book is useful for understanding how interdisciplinary work influences the field's development.

## *7. Evaluating Scientific Impact in Behavioral Neuroscience*

This text focuses on methodologies for assessing the scientific impact of research in behavioral neuroscience. It covers citation analysis, journal rankings, and alternative metrics like altmetrics. The book offers practical guidance for researchers and institutions aiming to track and improve research influence.

## *8. Brain Behavior Research Metrics: An Analytical Perspective*

Providing an analytical framework, this book reviews various metrics used to evaluate brain behavior research output. It discusses the strengths and weaknesses of impact factor, h-index, and other bibliometric indicators. The content is tailored for academics interested in research evaluation and policy-making.

## *9. Advances in Behavioral Brain Research and Their Scientific Impact*

This collection highlights groundbreaking studies in behavioral brain research and assesses their impact on the scientific community. It features contributions from leading experts and discusses implications for future research directions. The book underscores the importance of impactful research in advancing neuroscience knowledge.

## **Behavioural Brain Research Impact Factor**

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**behavioural brain research impact factor: Physical Activity and the Aging Brain** Ronald Ross Watson, 2016-12-15 Physical Activity and the Aging Brain: Effects of Exercise on Neurological Function is a complete guide to the manifold effects of exercise and physical activity on the aging brain. Cognitive decline and motor impairment, onset of diseases and disorders, and even changes in family structure and social settings that occur as we age can all impact activity levels, yet continued physical activity is crucial for successful neurological functioning. This book examines the role that exercise and physical activity play in halting or modulating the deleterious effects of these numerous aging concerns by first examining the current state of research into how exercise manifests physical changes in the brain. It then discuss how physical activity combines with other lifestyle factors to benefit the aging brain, including nutrition, computerized brain training, and social engagement. Most significantly, it also covers how physical activity can serve as therapy to help alleviate the symptoms of various neurological diseases impacting aging populations, with particular emphasis on Alzheimer's disease and age-related cognitive decline. The book provides broad coverage of the effects of exercise and physical activity on the aging brain, its therapeutic effects, and the many factors that influence the aging process. - Presents research scientists with a complete understanding of the role of exercise in healthy brain aging - Considers the roles of nutrition, the mind-body connection, and other lifestyle factors - Presents a major resource for exercise and physical activity in the neurological health of older adults - Provides a synopsis of key ideas associated with the many aspects of physical activity, along with lifestyle factors that can modify neurological diseases and age-related neurological decline

**behavioural brain research impact factor: The Oxford Handbook of Substance Use and Substance Use Disorders** Kenneth J. Sher, 2016-07-13 Substance use and substance use disorders (SUDs) have been documented in a number of cultures since the beginnings of recorded time and represent major societal concerns in the present day. The Oxford Handbook of Substance Use and Substance Use Disorders provides comprehensive reviews of key areas of inquiry into the fundamental nature of substance use and SUDs, their features, causes, consequences, course, treatment, and prevention. It is clear that understanding these various aspects of substance use and SUDs requires a multidisciplinary perspective that considers the pharmacology of drugs of abuse, genetic variation in these acute and chronic effects, and psychological processes in the context of the interpersonal and cultural contexts. Comprising two volumes, this Handbook also highlights a range of opportunities and challenges facing those interested in the basic understanding of the nature of these phenomena and novel approaches to assess, prevent, and treat these conditions with the goal of reducing the enormous burden these problems place on our global society. Chapters in Volume 1 cover the historical and cultural contexts of substance use and its consequences, its



epidemiology and course, etiological processes from the perspective of neuropharmacology, genetics, personality, development, motivation, and the interpersonal and larger social environment. Chapters in Volume 2 cover major health and social consequences of substance involvement, psychiatric comorbidity, assessment, and interventions. Each chapter highlights key issues in the respective topic area and raises unanswered questions for future research. All chapters are authored by leading scholars in each topic. The level of coverage is sufficiently deep to be of value to both trainees and established scientists and clinicians interested in an evidenced-based approach.

**behavioural brain research impact factor: *Forensic Psychology*** Graham M. Davies, Anthony R. Beech, 2017-08-31 Introduces forensic psychology to students and professionals who want to better understand psychology's expanding influence on the study of law, crime and criminality. Forensic psychology is a constantly growing discipline, both in terms of student interest and as a profession for graduates. This book highlights the often sizeable gap between media myths surrounding forensic practice and reality. Editors Graham Davies and Anthony Beech present an exciting and broad range of topics within the field, including detailed treatments of the causes of crime, investigative methods, the trial process, and interventions with different types of offenders and offences. *Forensic Psychology: Crime, Justice, Law, Interventions, Third Edition* covers every aspect of forensic psychology—from understanding criminal behaviour, to applying psychological theory to criminal investigation, analysing the legal process and the treatment of witnesses and offenders. Each chapter has been thoroughly revised and updated with the latest findings. The book also includes two entirely new chapters—one on psychopathy and crime, the other on female offenders. Drawing on a wealth of experience from leading researchers and practitioners, this new edition will interest and enthuse today's generation of students. All chapters thoroughly revised and updated. Features two brand new chapters. Supplemented by additional online resource materials, including related links, multiple choice questions, and PowerPoint slides. Authored by a wide-range of experienced forensic psychology professionals. *Forensic Psychology, Third Edition* is essential reading for undergraduates' first encounter with the subject area and is an excellent introduction for more specialised postgraduate courses.

**behavioural brain research impact factor: *Biological Psychology*** Stephen B. Klein, B. Michael Thorne, 2006-10-03 This is a comprehensive and up-to-date presentation of the processes by which biological systems, most notably the nervous system, affect behaviour. A fantastic art program, an applauded accessible writing style and a host of pedagogical features make the text relevant to the lives of the students taking biological psychology.

**behavioural brain research impact factor: *Molecular Mechanisms of Hormone Actions on Behavior*** Anne M. Etgen, Donald W. Pfaff, 2010-03-16 A single volume of 31 articles, *Mechanisms of Hormone Actions on Behavior* is an authoritative selection of relevant chapters from the *Hormones, Brain and Behavior 2e* MRW, the most comprehensive source of neuroendocrinological information assembled to date (AP June 2009). The study of hormones as they impact the brain and, subsequently, behavior is a central topic in neuroscience, endocrinology and psychiatry. This volume offers an overview of neuroendocrinological topics, approaching the subject from the perspective of the mechanisms which control hormone actions on behavior. Female, male and stress hormones are discussed at the cellular, behavioral and developmental level, and sexual differentiation of the development of hormone-dependent neuronal systems, neuropeptides/neuromodulators, and steroid-induced neuroplasticity are addressed. There is simply no other current single-volume reference with such comprehensive coverage and depth. Authors selected are the internationally renowned experts for the particular topics on which they write, and the volume is richly illustrated with over 175 figures (over 50 in color). A collection of articles reviewing our fundamental knowledge of the mechanisms of neuroendocrinology, the book provides an essential, affordable reference for researchers, clinicians and graduate students in the area. - The most comprehensive single-volume source of up-to-date data on the mechanisms behind neuroendocrinology, with review articles covering x,y,z - Chapters synthesize information otherwise dispersed across a number of journal articles and book chapters, thus saving researchers the time consuming process of finding

and integrating this information themselves - Offering outstanding scholarship, each chapter is written by an expert in the topic area and approximately 35% of chapters are written by international contributors - Provides more fully vetted expert knowledge than any existing work with broad appeal for the US, UK and Europe, accurately crediting the contributions to research in those regions - Heavily illustrated with 175 figures, approximately 54 in color - Presents material in most visually useful form for the reader

**behavioural brain research impact factor: Behavior Genetics of Cognition Across the Lifespan** Deborah Finkel, Chandra A. Reynolds, 2013-07-09 Along with psychopathology, cognition has been one of the primary phenotypic focal points of the field of behavior genetics since its inception. Francis Galton's 1874 examination of eminent families in Britain was among the earliest attempts to investigate whether cognitive achievements run in families. This volume presents current methodologies for understanding cognitive abilities that move beyond the outdated nature vs. nurture paradigm. Recent advances in both collection and statistical modeling of twin data, particularly longitudinal twin data, make this an especially advantageous moment to produce a work that presents a collection of the groundbreaking research on cognitive abilities across the lifespan. This volume presents an overview of the current state of quantitative and molecular genetic investigations into the many facets of cognitive performance and functioning across the lifespan.

**behavioural brain research impact factor: Neuroscience of Alcohol** Victor R Preedy, 2019-03-19 Neuroscience of Alcohol: Mechanisms and Treatment presents the fundamental information necessary for a thorough understanding of the neurobiological underpinnings of alcohol addiction and its effects on the brain. Offering thorough coverage of all aspects of alcohol research, treatment and prevention, and containing contributions from internationally recognized experts, the book provides students, early-career researchers, and investigators at all levels with a fundamental introduction to all aspects of alcohol misuse. Alcohol is one of the world's most common addictive substances, with about two billion individuals worldwide consuming it in one form or another and three million annual deaths that are associated with alcohol misuse. Alcohol alters a variety of neurological processes, from molecular biology, to cognition. Moreover, addiction to alcohol can lead to numerous other health concerns and damage virtually every organ system in the body, making diagnosis and treatment of individuals addicted to alcohol of critical importance. - Integrates cutting-edge research on the pharmacological, cellular and molecular aspects of alcohol use, along with its effects on neurobiological function - Discusses alcohol use as a component of dual-use and poly addictions - Outlines numerous screening and treatment strategies for alcohol misuse - Covers both the physical and psychological effects of alcohol use and withdrawals to provide a fully-formed view of alcohol dependency and its effects

**behavioural brain research impact factor: Adolescent Psychopathology and the Developing Brain** Daniel Romer, Elaine F. Walker, 2007-03-01 Recent advances in our understanding of the human brain suggest that adolescence is a unique period of development during which both environmental and genetic influences can leave a lasting impression. To advance the goal of integrating brain and prevention science, two areas of research which do not usually communicate with one another, the Annenberg Public Policy Center's Adolescent Risk Communication Institute held a conference with the purpose of producing an integrated volume on this interdisciplinary area. Presenters/chapter contributors were asked to address two questions: What neurodevelopmental processes in children and adolescents could be altered so that mental disorders might be prevented? And what interventions or life experiences might be able to introduce such changes? The book has a 5-part structure: biological and social universals in development; characteristics of brain and behavior in development; effects of early maltreatment and stress on brain development; effects of stress and other environmental influences during adolescence on brain development; and reversible orders of brain development. The twenty chapters include contributions from some of the most well-known researchers in the area.

**behavioural brain research impact factor: Hormones, Brain and Behavior Online** , 2002-06-18 Hormones, Brain, and Behavior, Second Edition is a comprehensive work discussing the

effect of hormones on the brain and, subsequently, behavior. This major reference work has 109 chapters covering a broad range of topics with an extensive discussion of the effects of hormones on insects, fish, amphibians, birds, rodents, and humans. To truly understand all aspects of our behavior, we must take every influence (including the hormonal influences) into consideration. Donald Pfaff and a number of well-qualified editors examine and discuss how we are influenced by hormonal factors, offering insight, and information on the lives of a variety of species. *Hormones, Brain, and Behavior* offers the reader comprehensive coverage of growing field of research, with a state-of-the-art overview of hormonally-mediated behaviors. This reference provides unique treatment of all major vertebrate and invertebrate model systems with excellent opportunities for relating behavior to molecular genetics. The topics cover an unusual breadth (from molecules to ecophysiology), ranging from basic science to clinical research, making this reference of interest to a broad range of scientists in a variety of fields. Available online exclusively via ScienceDirect. A limited edition print version is also available. Comprehensive coverage of a growing field of research Unique treatment of all major vertebrate and invertebrate model systems with excellent opportunities for relating behavior to molecular genetics Covers an unusual breadth ranging from molecules to ecophysiology, and from basic science to clinical research

**behavioural brain research impact factor:** The Palgrave Handbook of Occupational Stress Philippe Fauquet-Alekhine, James Erskine, 2023-08-23 This handbook brings together an international group of experts to offer a comprehensive resource on occupational stress. Including both theoretical and practical perspectives, it examines ways to reduce and treat stress, as well as the physiological, psychosocial, and neural underpinnings of it. Through 24 original and carefully selected essays, the authors offer new insights, resources, and tools to better understand, manage and treat stress in a professional environment. The book's chapters are divided into 5 parts that address the conceptualisation of stress; present theoretical models (including the contribution of animal models); examine the psychological and physiological aspects of stress and ways to assess it; delve into psychosocial risks at work and their assessment (means and methods); and investigate how to cope with stress at work, including resilience training. Aspects such as the effects of leadership, simulation training, and stress-tests for hiring are also presented and discussed. The volume ends by exploring broader considerations regarding stress and culture, stress and occupational sectors (with a chapter focusing on studentship), and the pharmacology of stress. This handbook is an essential reference for researchers in organisational psychology, as well as business and management and education, who are interested in stress. Healthcare workers and therapists who treat stress will also find an invaluable resource in this far-reaching yet accessible collection.

**behavioural brain research impact factor:** Is Early Onset of Alcohol Use Associated with Later Alcohol Use? Ricardo Marcos Pautassi, Angelina Pilatti, Adrian Jorge Bravo, Elio Acguas, 2020-10-12 This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: [frontiersin.org/about/contact](https://frontiersin.org/about/contact).

**behavioural brain research impact factor:** Developmental Psychopathology, Developmental Neuroscience Dante Cicchetti, 2016-02-01 The complete reference of biological bases for psychopathology at any age Developmental Psychopathology is a four-volume compendium of the most complete and current research on every aspect of the field. Volume Two: Developmental Neuroscience focuses on the biological basis of psychopathology at each life stage, from nutritional deficiencies to genetics to functional brain development to evolutionary perspectives and more. Now in its third edition, this comprehensive reference has been fully updated to better reflect the current state of the field, and detail the newest findings made possible by advances in technology and neuroscience. Contributions from expert researchers and clinicians provide insight into brain

development, molecular genetics methods, neurogenetics approaches to pathway mapping, structural neuroimaging, and much more, including targeted discussions of specific disorders. Advances in developmental psychopathology have burgeoned since the 2006 publication of the second edition, and keeping up on the latest findings in multiple avenues of investigation can be burdensome to the busy professional. This series solves the problem by collecting the information into one place, with a logical organization designed for easy reference. Consider evolutionary perspectives in developmental psychopathology Explore typical and atypical brain development across the life span Examine the latest findings on stress, schizophrenia, anxiety, and more Learn how genetics are related to psychopathology at different life stages The complexity of a field as diverse as developmental psychopathology deepens with each emerging theory, especially with consideration of the rapid pace of neuroscience advancement and genetic discovery. Developmental Psychopathology Volume Two: Developmental Neuroscience provides an invaluable resource by compiling the latest information into a cohesive, broad-reaching reference.

**behavioural brain research impact factor:** The Neuroscience of Depression Colin R Martin, Lan-Anh Hunter, Vinood B. Patel, Victor R Preedy, Rajkumar Rajendram, 2021-03-05 The Neuroscience of Depression: Features, Diagnosis and Treatment, is a comprehensive reference to the diagnosis and treatment of depression. This book provides readers with the mechanisms of depression reflecting on the interplay between depression and the biological and psychosocial processes. A detailed introduction to various episodes of depression, from PTSD to post-partum depression is provided, followed by a thorough discussion on biomarkers in depression and how to diagnose depression including the Hamilton Depression Rating scale. This book also includes three full sections on treatment options for depression, including pharmacological, behavioral and other novel regimes. The Neuroscience of Depression: Features, Diagnosis and Treatment is the only resource for researchers and practitioners studying, diagnosis and treating of depression. - Covers a pharmacological and behavioral treatment options - Features sections on diagnosis and biomarkers of depression - Discusses depression in children, teens and adults - Contains information on comorbidity of physical and mental conditions - Includes more than 250 illustrations and tables

**behavioural brain research impact factor:** Hormones, Regulators and Hippocampus Gerald Litwack, 2022-02-16 Hormones, Regulators and Hippocampus, Volume 118 in the Vitamins and Hormones serial highlights new advances in the field, with this new volume presenting interesting chapters, including Thyroid hormone regulation of adult hippocampal neurogenesis – putative molecular and cellular mechanisms, Synergistic gene regulation by thyroid hormone and glucocorticoid in the hippocampus, Oxytocin and vasopressin in the hippocampus, Steroid hormones and hippocampal neurogenesis in the adult mammalian brain, Steroidogenic enzymes in the hippocampus: transcriptional regulation aspects, Ectonucleotidases in the hippocampus: spatial distribution and expression after ovariectomy and estradiol replacement, and much more. - Provides the authority and expertise of leading contributors from an international board of authors - Presents the latest release in the Vitamins and Hormones serials - Updated release includes the latest information on Hormones, Regulators and Hippocampus

**behavioural brain research impact factor:** Handbook of Amygdala Structure and Function Janice H. Urban, J. Amiel Rosenkranz, 2020-03-31 Handbook of Amygdala Structure and Function, Volume 26, provides an updated overview on the functional neuroanatomy of amygdala nuclei, with an emphasis on interconnections (basolateral, central amygdala, medial amygdala) and their integration into related networks/circuits (prefrontal cortex, bed nucleus, nucleus accumbens). The design of this volume builds upon the foundations of functional neural circuits and the corresponding (cellular) electrophysiology important for the homeostatic control of amygdala function. This volume contains a dedicated section on the anatomical organization of the amygdala nuclei, emphasizing the role of neurotransmitters and neuropeptides that integrate signals and regulate behavior. Additional chapters discuss cellular physiology, plasticity and the integration of electrical signals that contribute to neural activity. The final section of the book connects the role of amygdala dysfunction and the development of disorders in human health and disease. - Emphasizes

a comparative and multidisciplinary approach on the topic of the amygdala - Discusses, in detail, the role of amygdala dysfunction and the development of disorders in human health and disease - Examines the current state of research in cellular physiology, plasticity and the integration of electrical signals - Includes a dedicated section on neuropeptides, neurotransmitters and cannabinoids that links to behavior control

**behavioural brain research impact factor:** *Neurobiology and the Development of Human Morality: Evolution, Culture, and Wisdom (Norton Series on Interpersonal Neurobiology)* Darcia Narvaez, 2014-10-20 Winner of the William James Book Award Winner of the inaugural Expanded Reason Award A wide-ranging exploration of the role of childhood experiences in adult morality. Moral development has traditionally been considered a matter of reasoning—of learning and acting in accordance with abstract rules. On this model, largely taken for granted in modern societies, acts of selfishness, aggression, and ecological mindlessness are failures of will, moral problems that can be solved by acting in accordance with a higher rationality. But both ancient philosophy and recent scientific scholarship emphasize implicit systems, such as action schemas and perceptual filters that guide behavior and shape human development. In this integrative book, Darcia Narvaez argues that morality goes “all the way down” into our neurobiological and emotional development, and that a person’s moral architecture is largely established early on in life. Moral rationality and virtue emerge “bottom up” from lived experience, so it matters what that experience is. Bringing together deep anthropological history, ethical philosophy, and contemporary neurobiological science, she demonstrates where modern industrialized societies have fallen away from the cultural practices that made us human in the first place. *Neurobiology and the Development of Human Morality* advances the field of developmental moral psychology in three key ways. First, it provides an evolutionary framework for early childhood experience grounded in developmental systems theory, encompassing not only genes but a wide array of environmental and epigenetic factors. Second, it proposes a neurobiological basis for the development of moral sensibilities and cognition, describing ethical functioning at multiple levels of complexity and context before turning to a theory of the emergence of wisdom. Finally, it embraces the sociocultural orientations of our ancestors and cousins in small-band hunter-gatherer societies—the norm for 99% of human history—for a re-envisioning of moral life, from the way we value and organize child raising to how we might frame a response to human-made global ecological collapse. Integrating the latest scholarship in clinical sciences and positive psychology, Narvaez proposes a developmentally informed ecological and ethical sensibility as a way to self-author and revise the ways we think about parenting and sociality. The techniques she describes point towards an alternative vision of moral development and flourishing, one that synthesizes traditional models of executive, top-down wisdom with “primal” wisdom built by multiple systems of biological and cultural influence from the ground up.

**behavioural brain research impact factor:** *The Routledge International Encyclopedia of Sport and Exercise Psychology* Dieter Hackfort, Robert J. Schinke, 2020-04-14 The Routledge International Encyclopedia of Sport and Exercise Psychology integrates the topics of motor control, physical education, exercise, adventure, performance in sports, and the performing arts, in several important ways and contexts, drawing upon diverse cultural perspectives. More than 90 overarching topics have been systematically developed by internationally renowned experts in theory, research, and practice. Each contribution delves into a thematic area with more nuanced vocabulary. The terminology drawn upon integrates traditional discourse and emerging topic matter into a state-of-the-art two-volume set. Volume 1: Theoretical and Methodological Concepts is comprised of theoretical topic matter, spanning theories and terminology from psychology contextualized to sport and physical activity, sport psychology-focused theories, and expansive discussions related to philosophy of science and methodology. Volume 2: Applied and Practical Measures draws upon practical concepts that bridge theory and research and practice. Broader issues that extend beyond sport and physical activity participants are embedded within the entries, intended to augment physical, mental, and social well-being. This expansive encyclopedia is a must-have resource for all professionals, scholars, and students in the fields of sport psychology and sport science.

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