Journal Of Neuroscience Impact Factor

A scientific publication system needs to provide two basic services: access and evaluation. The traditional publication system restricts the access to papers by requiring payment, and it restricts the evaluation of papers by relying on just 2-4 pre-publication peer reviews and by keeping the reviews secret. As a result, the current system suffers from a lack of quality and transparency of the peer-review evaluation process, and the only immediately available indication of a new paper's quality is the prestige of the journal it appeared in. Open access is now widely accepted as desirable and is slowly beginning to become a reality. However, the second essential element, evaluation, has received less attention. Open evaluation, an ongoing post-publication process of transparent peer review and rating of papers, promises to address the problems of the current system. However, it is unclear how exactly such a system should be designed. The evaluation system steers the attention of the scientific community and, thus, the very course of science. For better or worse, the most visible papers determine the direction of each field and guide funding and public policy decisions. Evaluation, therefore, is at the heart of the entire endeavor of science. As the number of scientific publications explodes, evaluation and selection will only gain importance. A grand challenge of our time, therefore, is to design the future system, by which we evaluate papers and decide which ones deserve broad attention. So far scientists have left the design of the evaluation process to journals and publishing companies. However, the steering mechanism of science should be designed by scientists. The cognitive, computational, and brain sciences are best prepared to take on this task, which will involve social and psychological considerations, software design,

and modeling of the network of scientific papers and their interrelationships. This Research Topic in Frontiers in Computational Neuroscience collects visions for a future system of open evaluation. Because critical arguments about the current system abound, these papers will focus on constructive ideas and comprehensive designs for open evaluation systems. Design decisions include: Should the reviews and ratings be entirely transparent, or should some aspects be kept secret? Should other information, such as paper downloads be included in the evaluation? How can scientific objectivity be strengthened and political motivations weakened in the future system? Should the system include signed and authenticated reviews and ratings? Should the evaluation be an ongoing process, such that promising papers are more deeply evaluated? How can we bring science and statistics to the evaluation process (e.g. should rating averages come with error bars)? How should the evaluative information about each paper (e.g. peer ratings) be combined to prioritize the literature? Should different individuals and organizations be able to define their own evaluation formulae (e.g. weighting ratings according to different criteria)? How can we efficiently transition toward the future system? Ideally, the future system will derive its authority from a scientific literature on community-based open evaluation. We hope that these papers will provide a starting point. Examine the latest research merging nature and nurture in pathological development Developmental Psychopathology is a four-volume compendium of the most complete and current research on every aspect of the field. Volume Four: Genes and Environment focuses on the interplay between nature and nurture throughout the life stages, and the ways in which a child's environment can influence his or her physical and mental health as an adult. The discussion explores relationships with family, friends, and the community; environmental

factors like poverty, violence, and social support; the development of coping mechanisms, and more, including the impact of these factors on physical brain development. This new third edition has been fully updated to incorporate the latest advances, and to better reflect the increasingly multilevel and interdisciplinary nature of the field and the growing importance of translational research. The relevance of classification in a developmental context is also addressed, including DSM-5 criteria and definitions. Advances in developmental psychopathology are occurring increasingly quickly as expanding theoretical and empirical work brings about dramatic gains in the multiple domains of child and adult development. This book brings you up to date on the latest developments surrounding genetics and environmental influence, including their intersection in experience-dependent brain development. Understand the impact of childhood adversity on adulthood health Gauge the effects of violence, poverty, interparental conflict, and more Learn how peer, family, and community relationships drive development Examine developments in prevention science and future research priorities Developmental psychopathology is necessarily interdisciplinary, as development arises from a dynamic interplay between psychological, genetic, social, cognitive, emotional, and cultural factors. Developmental Psychopathology Volume Four: Genes and Environment brings this diverse research together to give you a cohesive picture of the state of knowledge in the field.

Down syndrome (DS) is the most common example of neurogenetic aneuploid disorder leading to mental retardation. In most cases, DS results from an extra copy of chromosome 21 (HSA21) producing deregulated gene expression in brain that gives raise to subnormal intellectual functioning. The topic of this volume is of broad interest for the neuroscience

community, because it tackles the concept of neurogenomics, that is, how the genome as a whole contributes to a neurodevelopmental cognitive disorders, such as DS, and thus to the development, structure and function of the nervous system. This volume of Progress in Brain Research discusses comparative genomics, gene expression atlases of the brain, network genetics, engineered mouse models and applications to human and mouse behavioral and cognitive phenotypes. It brings together scientists of diverse backgrounds, by facilitating the integration of research directed at different levels of biological organization, and by highlighting translational research and the application of the existing scientific knowledge to develop improved DS treatments and cures. Leading authors review the state-of-the-art in their field of investigation and provide their views and perspectives for future research Chapters are extensively referenced to provide readers with a comprehensive list of resources on the topics covered All chapters include comprehensive background information and are written in a clear form that is also accessible to the non-specialist

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Aimed at academics, academic managers and administrators, professionals in scientometrics, information scientists and science policy makers at all levels. This book reviews the principles, methods and indicators of scientometric evaluation of information processes in science and assessment of the publication activity of individuals, teams, institutes and countries. It provides scientists, science officers, librarians and students with basic and advanced knowledge on evaluative scientometrics. Especially great stress is laid on the methods applicable in practice and on the clarification of quantitative aspects of impact of scientific publications measured by citation indicators. Written by a highly knowledgeable and well-respected scientist in the field

Provides practical and realistic quantitative methods for evaluating scientific publication activities of individuals, teams, countries and journals Gives standardized descriptions and classification of the main categories of evaluative scientometrics
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The Neuroscience of Cocaine: Mechanisms and Treatment explores the complex
effects of this drug, addressing the neurobiology behind cocaine use and the
psychosocial and behavioral factors that impact cocaine use and abuse. This book
provides researchers with an up-to-date understanding of the mechanisms behind
cocaine use, and aids them in deriving new pharmacological compounds and
therapeutic regimens to treat dependency and withdrawal symptoms. Cocaine is one of
the most highly abused illicit drugs worldwide and is frequently associated with other
forms of drug addiction and misuse, but researchers are still struggling to understand
cocaine's neuropharmacological profile and the mechanisms of its effects and
manifestations at the cognitive level. Cessation of cocaine use can lead to numerous
adverse withdrawal conditions, from the cellular and molecular level to the behavioral
level of the individual user. Written by worldwide experts in cocaine addiction, this book
assists neuroscientists and other addiction researchers in unraveling the many complex
facets of cocaine use and abuse. Contains in each chapter an abstract, key facts, mini
dictionary of terms, and summary points to aid in understanding Illustrated in full color

Provides unique full coverage of all aspects of cocaine and its related pathology Provides researchers with an up-to-date understanding of the mechanisms behind cocaine use, and aids them in deriving new pharmacological compounds and therapeutic regimens to treat dependency and withdrawal symptoms Over the last 10 years advances in the new field of neuromarketing have yielded a host of findings which defy common stereotypes about consumer behavior. Reason and emotions do not necessarily appear as opposing forces. Rather, they complement one another. Hence, it reveals that consumers utilize mental accounting processes different from those assumed in marketers' logical inferences when it comes to time, problems with rating and choosing, and in post-purchase evaluation. People are often guided by illusions not only when they perceive the outside world but also when planning their actions - and consumer behavior is no exception. Strengthening the control over their own desires and the ability to navigate the maze of data are crucial skills consumers can gain to benefit themselves, marketers and the public. Understanding the mind of the consumer is the hardest task faced by business researchers. This book presents the first analytical perspective on the brain - and biometric studies which open a new frontier in market research.

This handbook is currently in development, with individual articles publishing online in advance of print publication. At this time, we cannot add information about unpublished articles in this handbook, however the table of contents will continue to grow as

additional articles pass through the review process and are added to the site. Please note that the online publication date for this handbook is the date that the first article in the title was published online.

April 26-27, 2018 Rome, Italy Key Topics : Mental Health, Human Resilience, Psychiatry & Mental Health Nursing, Mental Health Rehabilitation, Management and treatment of Mental Health issues, Mental Disorders, Drug Addiction: Is A Mental Illness?, Suicide and Self-harm, Stress -The Root of Resilience, Psychosis, Positive Psychology: A new approach to mental health, Womens Mental Health,

Despite considerable work the answer to basic questions such as 'what are our ethics and our moral norms now?' 'Have they changed since last year?', 'If so why?' remain surprisingly illusive. This book argues that progress towards answering these questions is possible through a grounded analytical account of the cultivation of ethics and moral norms in social groups, in particular places and times. Departing from the evolutionary theory of why we gain value from pro-social behaviour, we argue that a coherent thread exists for how we do so through evolved social capacities that are united in the pursuit of a Positive Social Identity. Drawing on a unique quantitative dataset from Sierra Leone this book offers a theoretical framework and a preliminary guide to the systematic quantitative analysis of ethics and moral norms and how these may relate to the long term success of organisations. The results directly challenge a 'one-size-fits-all', universal understanding of both ethics and moral norms both within

and between organisations. The costs and challenges influencing the development of ethics and moral norms and their ultimate conception of pro-sociality vary dramatically according to situation. Nowhere is this more starkly illustrated than between economically developed and developing countries. In analysing the relationship between agency and situation, the role of diversity, conflict, inefficiency and failure to cooperate prove to be essential components of the solution of social dilemmas on which Positive Social Identity depends.

Metabolic Drivers and Bioenergetic Components of Neurodegenerative Disease summarizes recent developments in intervention trials in neurodegenerative diseases, particularly Alzheimer's and Parkinson's, as well as increasing evidence for the overlap between drivers of metabolic and neurodegenerative disease that impact mitochondrial function and bioenergetics, and subsequently cellular function and pathophysiology. Topics covered include Brain Glucose and Ketone Utilization in Brain Ageing and Neurodegenerative Diseases; the Mitochondrial Hypothesis: Dysfunction, Bioenergetic Defects, and the Metabolic Link to Alzheimer's Disease; the Metabolic Impact on Neuroinflammation and Microglial Modulation in Neurodegenerative Diseases, the Impact of Circadian and Diurnal Rhythms on Cellular Metabolic Function and Neurodegenerative Diseases, and much more. Summarizes the current status of and future research in Alzheimer's and Parkinson's diseases Reviews the impact of the metabolic hypothesis on underlying mechanisms of neurodegenerative diseases.

This Research Topic features recent developments in the field of regulatory peptide physiology and peptide-based therapeutics.

Recent scientific advances have provided substantial information on the brain circuits and pathways relevant to various aspects of dependence. Neurobiology of Alcohol Dependence highlights the most recent data at the molecular, cellular, neurocircuitry, and behavioral levels, fostering an understanding how neuroplasticity and neuroadaptation occur, and how different neural pathways and neurocircuits contribute to dependence. Highlights recent advances in understanding alcohol addiction from molecular, cellular, neurocircuitry, and behavioral levels Integrates several emerging areas of research and discusses the application of novel research techniques to the understanding of alcohol dependence Chapters authored by leaders in the field around the globe — the broadest, most expert coverage available

This book focuses on the exciting recent progress in restorative neurology and neuroscience. The book includes chapters on major neurodegenerative disorders of the brain and the visual system, including Parkinson's disease, Alzheimer's disease, amyotrophic lateral sclerosis, Huntington's disease, macular degeneration, retinitis pigmentosa, glaucoma, spinal cord trauma, and multiple sclerosis. The primary goal of the book is to give an overview of new developments in translational research and in potential therapeutic strategies, including stem cell therapy, immunotherapy, gene therapy, pharmacotherapy, neuroprostheses and deep brain stimulation. * Provides the

reader with a unique overview over all aspects of new advances in the therapy of neurological and psychiatric disorders * Covers all levels of biological organization including novel molecular and cellular targets, electrophysiological, anatomical and behavioural substrates of neurodegeneration and the application of whole brain in vivo imaging * Broad focus with contributions by the top scientists worldwide in the respective disciplines

Anais da Conferencia Internacional sobre indicadores cientificos dos paises em desenvolvimento, abordando as construcoes dos indicadores, estruturacao dos campos cientificos e avaliacao e condicoes do desenvolvimento cientifico, colaboracao cientifica e geoestrategias. Visibilidade e estrategias de publicacoes, o papel das revisoes cientificas e os sistemas nacionais de pesquisa.

Designing EEG Experiments for Studying the Brain: Design Code and Example Datasets details the design of various brain experiments using electroencephalogram (EEG). Providing guidelines for designing an EEG experiment, it is primarily for researchers who want to venture into this field by designing their own experiments as well as those who are excited about neuroscience and want to explore various applications related to the brain. The first chapter describes how to design an EEG experiment and details the various

parameters that should be considered for success, while remaining chapters provide experiment design for a number of neurological applications, both clinical and behavioral. As each chapter is accompanied with experiment design codes and example datasets, those interested can quickly design their own experiments or use the current design for their own purposes. Helpful appendices provide various forms for one's experiment including recruitment forms, feedback forms, ethics forms, and recommendations for related hardware equipment and software for data acquisition, processing, and analysis. Written to assist neuroscientists in experiment designs using EEG Presents a step-by-step approach to designing both clinical and behavioral EEG experiments Includes experiment design codes and example datasets Provides inclusion and exclusion criteria to help correctly identify experiment subjects and the minimum number of samples Includes appendices that provide recruitment forms, ethics forms, and various subjective tests associated with each of the chapters ????????????,??????????????.????????????,??,????,??,??,??,??,??,??,???. Presents more than 4400 national, regional, local and internations lists and rankings compiled from hundreds of respeceted sources.

Integrative Medicine is an emerging discipline that not only bridges the existing disciplines of psychiatry psychology, but provides a scientifically-based

framework that synthesizes the rest of physiology, biochemistry and other health dimensions such as social support and spirituality, which collectively contribute to brain and body health and overall well-being. Patients who have not tolerated or not responded optimally to traditional treatments are also good candidates for integrative approaches. This new edition of Integrative Psychiatry and Brain Health reflects the tremendous advances in science that allude to mechanisms of action that weave together seemingly unrelated disciplines for the promotion of health and wellness. Part of the Weil Integrative Medicine Library, this volume provides a rational and evidence-based approach to the integrative therapy of mental disorders, integrating the principles of alternative and complementary therapies into the principles and practice of conventional psychiatry and psychology. Integrative Psychiatry and Brain Health examines what works and what doesn't, and offers practical guidelines for physicians to incorporate integrative medicine into their practice and to advise patients on reasonable and effective therapies. The text discusses areas of controversy and identifies areas of uncertainty where future research is needed. Chapters also cite the best available evidence for both the safety and the efficacy of all therapies discussed. The information is presented in accessible and easy-to-read formats, including clinical pearls and key points.

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Vols. 4-24 include Communications of the International Federation of Library Associations (IFLA-FIAB).

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.

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