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Psychobiological Issues in Substance Use and Misuse - Philip N. Murphy 2020-12-30

In this book, Murphy brings together a team of international experts to review cutting-edge scientific literature from the field of psychobiology and related disciplines which addresses important questions and broadens our understanding of substance use behaviours. The reader is introduced to the multi-faceted nature of substance use and misuse, and its growing need to be discussed across diverse disciplines and perspectives. The book also addresses important questions regarding public policy and professional practice in the context of different social and cultural environments, and comments on the methodological and ethical issues in substance use and misuse. Chapters explore a spectrum of substances, which include: cocaine, alcohol, ecstasy (MDMA), methamphetamine, synthetic cannabinoids, tobacco, ketamine, novel psychoactive substances, and vaping products. The use of these substances poses important questions for science and for society. This book is written to help academics, practitioners, and students in a variety of academic and professional disciplines answer those questions while staying up to date with the psychobiological literature. This is a vital resource for professionals and upper-level undergraduate and postgraduate students undertaking research in areas related to biological psychology, biology, health studies, and medicine.

Pediatric Anxiety Disorders - Scott N. Compton 2019-03-28

Pediatric Anxiety Disorders provides a critical, updated and comprehensive overview of anxiety disorders in children and adolescents based on the current state of empirical research. The book provides specific clinical recommendations which integrate new knowledge from neuroscience and innovative delivery formats for interventions. This is the first reference to examine anxiety diagnoses in accordance with the latest edition of the DSM-5, including childhood onset disorders, such as Separation Anxiety Disorder, Selective Mutism, Specific Phobia, Social Anxiety Disorder, Panic Disorder, Agoraphobia and Generalized Anxiety Disorder. The book assists clinicians in critically appraising the certainty of the evidence-base and the strength of clinical recommendations. Uses the latest edition of the Diagnostic and Statistical Manual of Mental Disorders, the DSM-5 Includes the Grading of Recommendations Assessment, Development and Evaluation (GRADE) approach in assessing guideline development Focuses on advances in etiology, assessment and treatment Presents new advances in our understanding of the brain behind fear and anxiety Uses a stepped care approach to treatment

The Encyclopedia of Clinical Psychology, 5 Volume Set - Robin L. Cautin 2015-01-20

“Recommended. Undergraduates through faculty/researchers;

professionals/practitioners;general readers.” - Choice Includes well over 500 A-Z entries of between 500 and 7,500 words in length covering the main topics, key concepts, and influential figures in the field of clinical psychology Serves as a comprehensive reference with emphasis on philosophical and historical issues, cultural considerations, and conflicts Offers a historiographical overview of the ways in which research influences practice Cites the best and most up-to-date scientific evidence for each topic, encouraging readers to think critically 5 Volumes www.encyclopediaclinicalpsychology.com

Risk Management of Terrorism Induced Stress - E. Vermetten
2020-02-21

Terrorism is a psychological weapon; by definition its purpose is to spread terror or fear in order to achieve goals unattainable by more conventional means. It is a weapon of asymmetric warfare whose success or failure is entirely dependent on the psychological reactions of its targets. Despite this, interest in the effects of terrorism from a behavioral and psychological perspective is relatively recent, dating initially from the 1990s and boosted by the events of September 11th 2001. This book presents papers delivered at the NATO Advanced Research Workshop (ARW) Risk Management of Terrorism Induced Stress - Guidelines for the Golden Hours (Who, What and When) held in Odesa, Ukraine, from 16-19 September 2018. The aim of the workshop was to bring together experts from the military, science and policy to revisit old guidelines and inform new research into novel approaches. The focus of the workshop was the so-called ‘Golden Hours’; the period immediately following a traumatic event in which therapeutic interventions are thought to have the most impact. What needs to be done in the immediate aftermath of terror, who is vulnerable and who is resilient, and when is intervention appropriate? The book is divided into sections covering the areas of biology, interventions, special populations, additional perspectives, policy, déjà-vu and future directions. Providing a comprehensive overview of the management of terror-related stress, the book will be of interest to planners and policy makers, as well as mental health professionals working with PTSD and other consequences of

terror events.

Positive Neuroscience: the Neuroscience of Human Flourishing -
Feng Kong 2020-04-13

Aberrant Beliefs and Reasoning - Niall Galbraith 2014-09-11

An aberrant belief is extreme or unusual in nature. In the most serious cases these beliefs cause emotional distress in those who hold them, and typify the core symptoms of psychological disorders. Each of the chapters in this volume seeks to examine the role that biases in reasoning can play in the formation of aberrant beliefs. The chapters consider several conjectures about the role of reasoning in aberrant belief, including the role of the jumping to conclusion bias in delusional beliefs, the probabilistic bias in paranormal beliefs, the role of danger confirming reasoning in phobias, and the controversial notion that people with schizophrenia do not succumb to specific forms of reasoning bias. There are also chapters evaluating different theoretical perspectives, and suggestions for future research. *Aberrant Beliefs and Reasoning* is the first volume presenting an overview of contemporary research in this growing subject area. It will be essential reading for academics and students in the fields of human reasoning, cognitive psychology and philosophy, and will also be of great interest to clinicians and psychiatrists.

Charney & Nestler's Neurobiology of Mental Illness - Dennis S. Charney
MD 2017-11-29

In the years following publication of the DSM-5®, the field of psychiatry has seen vigorous debate between the DSM's more traditional, diagnosis-oriented approach and the NIMH's more biological, dimension-based RDoC (research domain criteria) approach. Charney & Nestler's *Neurobiology of Mental Illness* is an authoritative foundation for translating information from the laboratory to clinical treatment, and its fifth edition extends beyond this reference function to acknowledge and examine the controversies, different camps, and thoughts on the future of psychiatric diagnosis. In this wider context, this book provides information from numerous levels of analysis, including molecular

biology and genetics, cellular physiology, neuroanatomy, neuropharmacology, epidemiology, and behavior. Sections and chapters are edited and authored by experts at the top of their fields. No other book distills the basic science and underpinnings of mental disorders and highlights practical clinical significance to the scope and breadth of this classic text. In this edition, Section 1, which reviews the methods used to examine the biological basis of mental illness in animal and cell models and in humans, has been expanded to reflect critically important technical advances in complex genetics (including powerful sequencing technologies and related bioinformatics), epigenetics, stem cell biology, optogenetics, neural circuit functioning, cognitive neuroscience, and brain imaging. This range of established and emerging methodologies offer groundbreaking advances in our ability to study the brain as well as unique opportunities for the translation of preclinical and clinical research into badly needed breakthroughs in our therapeutic toolkit. Sections 2 through 7 cover the neurobiology and genetics of major psychiatric disorders: psychoses (including bipolar disorder), mood disorders, anxiety disorders, substance use disorders, dementias, and disorders of childhood onset. Also covered within these sections is a summary of current therapeutic approaches for these illnesses as well as the ways in which research advances are now guiding the search for new treatments. Each of these parts has been augmented in several different areas as a reflection of research progress. The last section, Section 8, reconfigured in this new edition, now focuses on diagnostic schemes for mental illness. This includes an overview of the unique challenges that remain in diagnosing these disorders given our still limited knowledge of disease etiology and pathophysiology. The section then provides reviews of DSM-5®, which forms the basis of psychiatric diagnosis in the United States for all clinical work, and of RDoC, which provides an alternative perspective on diagnosis in heavy use in the research community. Also included are chapters on future efforts toward precision and computational psychiatry, which promise to someday align diagnosis with underlying biological abnormalities.

Biased Cognitions & Social Anxiety: Building a Global Framework

for Integrating Cognitive, Behavioral, and Neural Processes -

Alexandre Heeren 2015-03-05

Social anxiety (SA) is a common and incapacitating disorder that has been associated with seriously impaired career, academic, and general social functioning. Regarding epidemiological data, SA has a lifetime prevalence of 12.1% and is the fourth most common psychopathological disorder (Kessler et al., 2005). At a fundamental point of view, the most prominent cognitive models of SA posit that biased cognitions contribute to the development and maintenance of the disorder (e.g., Clark & Wells, 1995; Rapee & Heimberg, 1997). Over the last decades, a large body of research has provided evidence that individuals suffering from SA exhibit such biased cognitions at the level of visual attention, memory of social encounters, interpretation of social events, and in judgment of social cues. Such biased cognitions in SA has been studied in different ways within cognitive psychology, behavioral psychology, clinical psychology, and cognitive neuroscience over the last few decades, yet, integrative approaches for channeling all information into a unified account of biased cognitions in SA has not been presented so far. The present Research Topic aims to bring together these different ways, and to highlight findings and methods which can unify research across these areas. In particular, this Research Topic aims to advance the current theoretical models of SA and set the stage for future developments of the field by clarifying and linking theoretical concepts across disciplines.

The Wiley Handbook of Anxiety Disorders - Paul Emmelkamp 2014-05-12

This state-of-the-art Handbook on the research and treatment of anxiety and related disorders is the most internationally and clinically oriented Handbook currently available, encompassing a broad network of researchers, from leading experts in the field to rising stars. The very first handbook to cover anxiety disorders according to the new DSM-5 criteria. Published in two volumes, the International Handbook provides the most wide-ranging treatment of the state-of-the-art research in the anxiety disorders. Offers a truly international aspect, including authors from different continents and covering issues of relevance to non-Western countries. Includes discussion of the latest treatments, including

work on persistence of compulsions, virtual reality exposure therapy, cognitive bias modification, cognitive enhancers, and imagery rescripting Covers treatment failures, transdiagnostic approaches, and includes treatment issues for children as well as the older population Edited by leaders in the field, responsible for some of the most important advances in our understanding and treatment of anxiety disorders 2 Volumes
Transcranial Direct Current Stimulation in Neuropsychiatric Disorders - André R. Brunoni 2021-09-20

The 2nd edition of this book incorporates the tremendous clinical advances that have occurred in the field of transcranial direct current stimulation (tDCS) over the past 5 years. Since the 1st edition was published, the clinical use of tDCS has moved from its infancy, and is now in a thrilling new phase with numerous possibilities as well as challenges. tDCS is a technique that excels in terms of safety and tolerability, and within a few years, novel technological developments will allow its use at home. At the same time, large, phase III trials have been exploring the clinical efficacy of tDCS, the results of which have been published in leading journals such as the New England Journal of Medicine and JAMA Psychiatry. This 2nd edition summarizes the state of the art of the field. Written by leading experts in the field, the book is divided into 5 parts: Introduction and Mechanisms of Action; Research Methods; tDCS in the life cycle; Applications of tDCS in neuropsychiatric disorders (further divided into Psychiatry and Neurology); and The clinical use of tDCS. It also includes several new chapters, covering topics such as precision stimulation of tDCS; combination of tDCS with different neuroimaging modalities; and use of tDCS in new clinical conditions. Moreover, all chapters have been rewritten and updated. This book will be of significant interest to psychiatrists, neurologists and neuroscientists new to the field as well as those with a background in tDCS who want to increase their understanding of particular psychiatric conditions.

Neurobiological Biomarkers for Developing Novel Treatments of Substance and Non-Substance Addiction - Yanhui Liao 2021-12-03

Research Anthology on Rehabilitation Practices and Therapy - Management Association, Information Resources 2020-08-21
The availability of practical applications, techniques, and case studies by international therapists is limited despite expansions to the fields of clinical psychology, rehabilitation, and counseling. As dialogues surrounding mental health grow, it is important to maintain therapeutic modalities that ensure the highest level of patient-centered rehabilitation and care are met across global networks. Research Anthology on Rehabilitation Practices and Therapy is a vital reference source that examines the latest scholarly material on trends and techniques in counseling and therapy and provides innovative insights into contemporary and future issues within the field. Highlighting a range of topics such as psychotherapy, anger management, and psychodynamics, this multi-volume book is ideally designed for mental health professionals, counselors, therapists, clinical psychologists, sociologists, social workers, researchers, students, and social science academicians seeking coverage on significant advances in rehabilitation and therapy.
Handbook of Emotion Regulation, Second Edition - James J. Gross 2013-12-17

Reviewing the state of the science in a dynamic, thriving field, this influential handbook integrates knowledge from multiple psychological subdisciplines. Foremost experts address the neurobiological and cognitive bases of emotion regulation and examine how individuals develop and use regulatory strategies across the lifespan. The social context of emotion regulation is explored, as are personality processes and individual differences. Critical implications are discussed for psychopathology, psychosocial interventions, and health. Including helpful cross-referencing among chapters, the volume describes cutting-edge methods and identifies promising directions for future investigation. As a special bonus, purchasers of the second edition can download a supplemental e-book featuring several notable, highly cited chapters from the first edition. New to This Edition *Incorporates significant scientific advances and many new topics. *Greatly expanded coverage of clinical issues and applications. *Chapters on neural

systems, delay of gratification, decision making, and health. *Chapters on adolescence, social baseline theory, and desire regulation, plus more.

*Supplemental e-book featuring selected chapters from the prior edition.

Cognitive Psychology - Michael W. Eysenck 2020-03-09

The fully updated eighth edition of *Cognitive Psychology: A Student's Handbook* provides comprehensive yet accessible coverage of all the key areas in the field ranging from visual perception and attention through to memory and language. Each chapter is complete with key definitions, practical real-life applications, chapter summaries and suggested further reading to help students develop an understanding of this fascinating but complex field. The new edition includes: an increased emphasis on neuroscience updated references to reflect the latest research applied 'in the real world' case studies and examples. Widely regarded as the leading undergraduate textbook in the field of cognitive psychology, this new edition comes complete with an enhanced accompanying companion website. The website includes a suite of learning resources including simulation experiments, multiple-choice questions, and access to Primal Pictures' interactive 3D atlas of the brain. The companion website can be accessed at: www.routledge.com/cw/eysenck.

Information Processing Biases and Anxiety - Julie A. Hadwin 2010-02-19

With contributions from a global team of experts this book provides a comprehensive overview of information processing biases in children and adolescents. The first book to provide readers with an understanding of anxiety and the role of information processing biases more broadly in the context of developmental psychopathology Demonstrates how researchers have explored diverse aspects of information processing in anxious children and adolescents Draws on the microparadigms used in the study of development and psychopathology to consider issues related to heritability, temperament, learning and parenting Considers preventative methods and treatment protocols

Current Advances in Affective Neuroscience - Keith Maurice

Kendrick 2020-05-29

Neurobiology of Mental Illness - Dennis S. Charney 2013-07-04

Our understanding of the neurobiological basis of psychiatric disease has accelerated in the past five years. The fourth edition of *Neurobiology of Mental Illness* has been completely revamped given these advances and discoveries on the neurobiologic foundations of psychiatry. Like its predecessors the book begins with an overview of the basic science. The emerging technologies in Section 2 have been extensively redone to match the progress in the field including new chapters on the applications of stem cells, optogenetics, and image guided stimulation to our understanding and treatment of psychiatric disorders. Sections' 3 through 8 pertain to the major psychiatric syndromes-the psychoses, mood disorders, anxiety disorders, substance use disorders, dementias, and disorders of childhood-onset. Each of these sections includes our knowledge of their etiology, pathophysiology, and treatment. The final section discusses special topic areas including the neurobiology of sleep, resilience, social attachment, aggression, personality disorders and eating disorders. In all, there are 32 new chapters in this volume including unique insights on DSM-5, the Research Domain Criteria (RDoC) from NIMH, and a perspective on the continuing challenges of diagnosis given what we know of the brain and the mechanisms pertaining to mental illness. This book provides information from numerous levels of analysis including molecular biology and genetics, cellular physiology, neuroanatomy, neuropharmacology, epidemiology, and behavior. In doing so it translates information from the basic laboratory to the clinical laboratory and finally to clinical treatment. No other book distills the basic science and underpinnings of mental disorders and explains the clinical significance to the scope and breadth of this classic text. The result is an excellent and cutting-edge resource for psychiatric residents, psychiatric researchers and doctoral students in neurochemistry and the neurosciences.

Oxford Guide to Imagery in Cognitive Therapy - Ann Hackmann

2011-05-26

Imagery is one of the new, exciting frontiers in cognitive therapy. From the outset of cognitive therapy, its founder Dr. Aaron T. Beck recognised the importance of imagery in the understanding and treatment of

patient's problems. However, despite Beck's prescience, clinical research on imagery, and the integration of imagery interventions into clinical practice, developed slowly. It is only in the past 10 years that most writing and research on imagery in cognitive therapy has been conducted. The Oxford Guide to Imagery in Cognitive Therapy is a landmark book, which will play an important role in the next phase of cognitive therapy's development. Clinicians and researchers are starting to recognise the centrality of imagery in the development, maintenance and treatment of psychological disorders - for example, in social phobia, agoraphobia, depression, PTSD, eating disorders, childhood trauma, and personality disorder. In the fields of cognitive psychology and cognitive neuroscience, researchers are identifying the key role that imagery plays in emotion, cognition and psychopathology. The Oxford Guide to Imagery in Cognitive Therapy has been written both for clinicians and researchers. For clinicians, it is a user-friendly, practical guide to imagery, which will enable therapists to understand imagery phenomenology, and to integrate imagery-based interventions into their cognitive therapy practice. For researchers, it provides a state-of-the-art summary of imagery research, and points the way to future studies. Written by three well-respected CBT researcher-clinicians, it is essential reading for all cognitive therapists, who have recognised the limitations of purely 'verbal' CBT techniques, and want to find new ways to work with clients with psychological disorders.

The Science of Cognitive Behavioral Therapy - Stefan G. Hofmann
2017-06-01

The Science of Cognitive Behavioral Therapy describes the scientific approach of CBT, reviews the efficacy and validity of the CBT model, and exemplifies important differences and commonalities of CBT approaches. The overarching principle of CBT interventions is that cognitions causally influence emotional experiences and behaviors. The book reviews recent mediation studies, experimental studies, and neuroimaging studies in affective neuroscience that support the basic model of CBT, as well as those that clarify the mechanisms of treatment change. Additionally, the book explains the interplay of cognition and emotion in CBT, specifies

the treatment goals of CBT, discusses the relationship of cognitive models with medical models and associated diagnostic systems, and provides concrete illustrations of important general and disorder-specific considerations of CBT. Investigates the scientific foundation of CBT Explores the interplay of emotion and cognition in CBT Reviews neuroscience studies on the mechanisms of change in CBT Identifies similarities and differences in CBT approaches for different disorders Discusses CBT extensions and modifications Describes computer assisted applications of CBT

Engineering in Medicine - Paul A. Iaizzo 2018-11-07

Engineering in Medicine: Advances and Challenges documents the historical development, cutting-edge research and future perspectives on applying engineering technology to medical and healthcare challenges. The book has 22 chapters under 5 sections: cardiovascular engineering, neuroengineering, cellular and molecular bioengineering, medical and biological imaging, and medical devices. The challenges and future perspectives of engineering in medicine are discussed, with novel methodologies that have been implemented in innovative medical device development being described. This is an ideal general resource for biomedical engineering researchers at both universities and in industry as well as for undergraduate and graduate students. Presents a broad perspective on the state-of-the-art research in applying engineering technology to medical and healthcare challenges that cover cardiovascular engineering, neuroengineering, cellular and molecular bioengineering, medical and biological imaging, and medical devices. Presents the challenges and future perspectives of engineering in medicine. Written by members of the University of Minnesota's prestigious Institute of Engineering in Medicine (IEM), in collaboration with other experts around the world.

The Therapeutic Potential of Transcranial Magnetic Stimulation in Addiction - Marco Diana 2021-01-07

Computer Vision, Imaging and Computer Graphics Theory and Applications - Ana Paula Cláudio 2020-02-19

This book constitutes thoroughly revised and selected papers from the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP 2019, held in Prague, Czech Republic, in February 2019. The 25 thoroughly revised and extended papers presented in this volume were carefully reviewed and selected from 395 submissions. The papers contribute to the understanding of relevant trends of current research on computer graphics; human computer interaction; information visualization; computer vision.

CBT for Those at Risk of a First Episode Psychosis - Mark van der Gaag
2013-07-18

Can severe mental illness be prevented by early intervention? Mental illness is highly prevalent in the general population and has its onset mostly in adolescence and young adulthood. Early intervention usually leads to improved prognosis. This book describes a newly developed, evidence based cognitive behavioural intervention that can be used by clinicians to treat the precursor symptoms of psychosis and other severe mental illness. CBT for those at risk of a First Episode Psychosis offers a detailed new psychotherapy that has been shown to reduce the chance of transition to a first psychotic episode and to improve the chance for recovery. This encompasses: Psycho-education about prepsychotic symptoms A review of literature about psychological processes that are known to play a role in the development of psychosis A comprehensive manual - illustrated by numerous clinical vignettes - that can be used to treat help-seeking subjects with an increased risk of developing psychosis. Links to online resources and exercises to be used in therapy and education. A description of the multicentre randomized clinical trial investigating this new psychotherapy. The vast collective experience and expertise of the authors of this handbook results in an invaluable text for clinicians working in mental health care, as well as students, lecturers and researchers who have an interest in the prevention of schizophrenia and other severe mental illness.

The Oxford Handbook of Clinical Child and Adolescent Psychology
- Thomas H. Ollendick 2018-11-13

At the founding in 1896 of the first psychological clinic dedicated to children and adolescents, the study of the psychological treatment of young people lagged behind that of adults, and the basic psychopathology underlying mental disorders in this population was largely ignored. Since those early days, the field has evolved steadily and, in recent years, exponentially. The Oxford Handbook of Clinical Child and Adolescent Psychology is a state-of-the-science volume providing comprehensive coverage of the psychological problems and disorders of childhood. International in scope and penned by the discipline's most eminent scientists and practitioners, the handbook begins with a section on conceptual and empirical issues, followed by exceptional content on specific psychiatric disorders such as intellectual disability, externalizing and internalizing disorders, communication disorders, schizophrenia and bipolar disorder, personality disorders, and many more. The third section offers chapters on special problems in childhood and adolescence, including divorce, the incarceration of parents, suicide and non-suicidal self-injury, bullying, and medical illness. A fourth section covers delivery of clinical services in diverse settings, such as schools and prisons, and the handbook concludes with several chapters on emerging trends and future directions for the field. Conceptually rich and evidence-based, this handbook is an essential resource for students, practitioners, and researchers, providing a cutting-edge compendium of the latest theoretical and empirical developments by leaders of the discipline.

Addiction and Choice - Nick Heather 2017

Views on addiction are often polarised - either addiction is a matter of choice, or addicts simply can't help themselves. But perhaps addiction falls between the two? This book contains views from philosophy, neuroscience, psychiatry, psychology, and the law exploring this middle ground between free choice and no choice.

Evaluating the Brain Disease Model of Addiction - Nick Heather
2022-03-07

This ground-breaking book advances the fundamental debate about the nature of addiction. As well as presenting the case for seeing addiction

as a brain disease, it brings together all the most cogent and penetrating critiques of the brain disease model of addiction (BDMA) and the main grounds for being skeptical of BDMA claims. The idea that addiction is a brain disease dominates thinking and practice worldwide. However, the editors of this book argue that our understanding of addiction is undergoing a revolutionary change, from being considered a brain disease to a disorder of voluntary behavior. The resolution of this controversy will determine the future of scientific progress in understanding addiction, together with necessary advances in treatment, prevention, and societal responses to addictive disorders. This volume brings together the various strands of the contemporary debate about whether or not addiction is best regarded as a brain disease. Contributors offer arguments for and against, and reasons for uncertainty; they also propose novel alternatives to both brain disease and moral models of addiction. In addition to reprints of classic articles from the addiction research literature, each section contains original chapters written by authorities on their chosen topic. The editors have assembled a stellar cast of chapter authors from a wide range of disciplines - neuroscience, philosophy, psychiatry, psychology, cognitive science, sociology, and law - including some of the most brilliant and influential voices in the field of addiction studies today. The result is a landmark volume in the study of addiction which will be essential reading for advanced students and researchers in addiction as well as professionals such as medical practitioners, psychiatrists, psychologists of all varieties, and social workers.

[The Handbook of Behavior Change](#) - Martin S. Hagger 2020-07-15
Social problems in many domains, including health, education, social relationships, and the workplace, have their origins in human behavior. The documented links between behavior and social problems have compelled governments and organizations to prioritize and mobilize efforts to develop effective, evidence-based means to promote adaptive behavior change. In recognition of this impetus, *The Handbook of Behavior Change* provides comprehensive coverage of contemporary theory, research, and practice on behavior change. It summarizes

current evidence-based approaches to behavior change in chapters authored by leading theorists, researchers, and practitioners from multiple disciplines, including psychology, sociology, behavioral science, economics, philosophy, and implementation science. It is the go-to resource for researchers, students, practitioners, and policy makers looking for current knowledge on behavior change and guidance on how to develop effective interventions to change behavior.

Cognition and Addiction - Antonio Verdejo García 2019-09-29
Cognition and Addiction: A Researcher's Guide from Mechanisms Towards Interventions provides researchers with a guide to recent cognitive neuroscience advances in addiction theory, phenotyping, treatments and new vistas, including both substance and behavioral addictions. This book focuses on "what to know and "how to apply information, prioritizing novel principles and delineating cutting-edge assessment, phenotyping and treatment tools. Written by world renowned researcher Antonio Verdejo-Garcia, this resource will become a go-to guide for researchers in the field of cognitive neuroscience and addiction. Examines cognitive neuroscience advances in addiction theory, including both substance and behavioral addictions Discusses primary principles of cutting-edge assessment, phenotyping and treatment tools Includes detailed chapters on neuro-epidemiology and genetic imaging

Imagery-Enhanced CBT for Social Anxiety Disorder - Peter M. McEvoy 2018-01-26

"The treatment in this book helps to ease the suffering of people with social anxiety disorder by helping them to abandon the psychological factors that maintain their constant expectation of social catastrophe, while allowing them to retain the wonderful personal qualities they have that facilitate genuine and fulfilling relationships. Cognitive behavior therapy has been shown to be very helpful for SAD over many research trials with severe and complex clients. Imagery-based CBT "enhances" traditional approaches by emphasizing the benefits of facilitating cognitive and emotional change via the imagery mode. Multisensory imagery is highly emotionally evocative. Clients are encouraged to

incorporate vivid, multisensory imagery into every aspect of the treatment in this book"--

Cognitive Biases in Health and Psychiatric Disorders - Tatjana Aue
2020-02-23

Cognitive Biases in Health and Psychiatric Disorders: Neurophysiological Foundations focuses on the neurophysiological basis of biases in attention, interpretation, expectancy and memory. Each chapter includes a review of each specific bias, including both positive and negative information in both healthy individuals and psychiatric populations. This book provides readers with major theories, methods used in investigating biases, brain regions associated with the related bias, and autonomic responses to specific biases. Its end goal is to provide a comprehensive overview of the neural, autonomic and cognitive mechanisms related to processing biases. Outlines neurophysiological research on diverse types of information processing bias, including attention bias, expectancy bias, interpretation bias, and memory bias Discusses both normal and pathological forms of each cognitive biases Provides specific examples on how to translate research on cognitive biases to clinical applications
Emotion in the Mind and Body - Maital Neta 2019-11-18

As the 66th volume in the prestigious Nebraska Series on Motivation, this book focuses on understanding emotion and motivation as two factors that not only influence social and cognitive processes, but also shape the way we navigate our social world. Research on emotion has increased significantly over the past two decades, pulling from scholarship in psychology, neuroscience, medicine, political science, sociology, and even computer science. This volume is informed by the growing momentum in the resulting interdisciplinary field of affective science, and examines the role of emotion and motivation in our perceptions, decision-making, and social interactions, and attempts to understand the neurobiological mechanisms that support these processes across the lifespan in both healthy and clinical populations. Included among the chapters: Emotion concept development from childhood to adulthood Evolving psychological and neural models for the regulation of emotion Pathways to motivational impairments in psychopathology A

valuation systems perspective on motivation Reproducible, generalizable brain models of affective processes Emotion in the Mind and Body is a comprehensive and compelling rendering of the current state of the interdisciplinary field of affective science, and will be of interest to researchers and students working in psychology and neuroscience, as well as medicine, political science, and sociology.

Scientific Concepts Behind Happiness, Kindness, and Empathy in Contemporary Society - Sifton, Nava R. 2018-07-20

Significant progress has been made in the study of human psychology in recent years. However, the human pursuit of happiness through the use of scientific methods has yet to be fully examined. Scientific Concepts Behind Happiness, Kindness, and Empathy in Contemporary Society is an essential reference source that offers in-depth studies that anchor concepts of happiness, kindness, wellbeing, and empathy from a scientific perspective. Featuring research on topics such as cognitive revolution, neurobiology of wellbeing, and rational emotive behavior therapy, this book is ideally designed for sociologists, academicians, psychology professionals, researchers, and graduate-level students seeking scientific coverage on happiness, kindness, and empathy.

The Cambridge Handbook of Personality Psychology - Philip J. Corr
2020-09-03

Research on personality psychology is making important contributions to psychological science and applied psychology. This second edition of The Cambridge Handbook of Personality Psychology offers a one-stop resource for scientific personality psychology. It summarizes cutting-edge personality research in all its forms, including genetics, psychometrics, social-cognitive psychology, and real-world expressions, with informative and lively chapters that also highlight some areas of controversy. The team of renowned international authors, led by two esteemed editors, ensures a wide range of theoretical perspectives. Each research area is discussed in terms of scientific foundations, main theories and findings, and future directions for research. The handbook also features advances in technology, such as molecular genetics and functional neuroimaging, as well as contemporary statistical approaches.

An invaluable aid to understanding the central role played by personality in psychology, it will appeal to students, researchers, and practitioners in psychology, behavioral neuroscience, and the social sciences.

Behavioral Neurobiology of Depression and Its Treatment - Philip J. Cowen 2014-04-24

The book highlights important new research using current state-of-the-art approaches by prominent researchers in the field of depression. A broad range of topics is covered, beginning with a description of the phenotypic features of clinical depression, followed by chapters on the cellular and molecular basis, functional neuroimaging correlates and information-processing accounts. Finally, existing and novel treatment approaches are covered. In this way the volume brings together the key disciplines involved in the neurobiological understanding of depression to provide an update of the field and outlook to the future. Together, the volume chapters provide focused and critical reviews that span a broad range of topics suitable for both students and established investigators interested in the present state of depression research.

Charney & Nestler's Neurobiology of Mental Illness - Dennis S. Charney 2018

Preceded by Neurobiology of mental illness / edited by Dennis S. Charney ... [et al.]. 4th ed. 2013.

Essential Abnormal and Clinical Psychology - Matt Field 2015-09-14

Instructors - Electronic Inspection Copies are available or contact your local sales representative for an Inspection Copy of the print version. This essential introduction to abnormal and clinical psychology explores the key areas, controversies and debates in the field and encourages students to think critically. Key features of this textbook include: The latest updates from DSM-5 and ICD-10 and a balanced critique of the diagnostic approach, keeping students at the forefront of the developments and debates in the field "Essential Debate" and "Essential Experience" boxes that encourage critical thinking and provide case study examples to help students critique the findings and apply them in practice Concise chapters providing students with the essentials they need to get a good grade in their module in Abnormal and Clinical

Psychology Additional student resources available on the companion website (<https://study.sagepub.com/fieldcartwrightthatton>). Suitable for all students taking Abnormal and Clinical Psychology modules.

Handbook of Cognition and Emotion - Michael D. Robinson 2013-03-29

Comprehensively examining the relationship between cognition and emotion, this authoritative handbook brings together leading investigators from multiple psychological subdisciplines. Biological underpinnings of the cognition-emotion interface are reviewed, including the role of neurotransmitters and hormones. Contributors explore how key cognitive processes -- such as attention, learning, and memory -- shape emotional phenomena, and vice versa. Individual differences in areas where cognition and emotion interact -- such as agreeableness and emotional intelligence -- are addressed. The volume also analyzes the roles of cognition and emotion in anxiety, depression, borderline personality disorder, and other psychological disorders.

The neurobiology of emotion-cognition interactions - Hadas Okon-Singer 2015-06-12

There is increasing interest in understanding the interplay of emotional and cognitive processes. The objective of the Research Topic was to provide an interdisciplinary survey of cutting-edge neuroscientific research on the interaction and integration of emotion and cognition in the brain. The following original empirical reports, commentaries and theoretical reviews provide a comprehensive survey on recent advances in understanding how emotional and cognitive processes interact, how they are integrated in the brain, and what their implications for understanding the mind and its disorders are. These works encompass a broad spectrum of populations and showcases a wide variety of paradigms, measures, analytic strategies, and conceptual approaches. The aim of the Topic was to begin to address several key questions about the interplay of cognitive and emotional processes in the brain, including: what is the impact of emotional states, anxiety and stress on various cognitive functions? How are emotion and cognition integrated in the brain? Do individual differences in affective dimensions of temperament and personality alter cognitive performance, and how is

this realized in the brain? Are there individual differences that increase vulnerability to the impact of affect on cognition—who is vulnerable, and who resilient? How plastic is the interplay of cognition and emotion? Taken together, these works demonstrate that emotion and cognition are deeply interwoven in the fabric of the brain, suggesting that widely held beliefs about the key constituents of ‘the emotional brain’ and ‘the cognitive brain’ are fundamentally flawed. Developing a deeper understanding of the emotional-cognitive brain is important, not just for understanding the mind but also for elucidating the root causes of its many debilitating disorders.

Affective Determinants of Health Behavior - David Michael Williams 2018

In the last 20-30 years, research on affective determinants of health behavior has proliferated. Highlighting this burgeoning area of research, *Affective determinants of health behavior* brings together contributions from leading experts who focus, in their chapters, on a fascinating range of affective concepts, including hedonic response, incidental affect, perceived satisfaction, anticipated affect, affective attitudes, affective associations, and more. In the first part of the book, the authors explore the role of affective concepts in health behavior, including theories of action control, dual-processing, temporal self-regulation, self-

determination, and planned behavior, along with a new theory of hedonic motivation. The second part of the book focuses on the role of affective concepts in specific health behavior domains, including physical activity, eating, smoking, substance use, sex, tanning, blood donation, the performance of health professionals, cancer screenings, and cancer control. *Affective determinants of health behavior* offers readers an important window into existing research and serves as a showcase for important insights on new directions and implications for intervention.

Schizophrenia Treatment - Yu-Chih Shen 2016-12-14

Schizophrenia treatment has many facets. This book begins with the glutamatergic and GABAergic hypofunctioning contribute to the schizophrenic symptoms and their current targeted therapeutics. The genetic, epigenetic, and immune etiologies of schizophrenia and their potential targeted therapeutics as approached in this book are interesting. Understanding cognitive biases and delusional circuits in schizophrenia is important; several behavioral cognitive therapies working on the reduction and avoidance of these cognitive biases are demonstrating their effectiveness. Advances in schizophrenia treatment followed, including transcranial magnetic stimulation and special sport program, are presented at the book's end.