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Cognitive Enhancement Feb 27 2021 This book highlights the behavioral and neurobiological issues relevant for drug development, reviews evidence for an innovative approach for drug discovery and presents perspectives on multiple special topics ranging from therapeutic drug use in children, emerging technologies and non-pharmacological approaches to cognitive enhancement.

Directional Particles in Cantonese May 13 2022 This book is the first on Cantonese that deals with the grammaticalization phenomenon systematically. Focusing on a group of twelve directional particles, this book tracks their grammaticalization pathways from full-fledged directional verbs, to directional particles indicating meanings relating to tense-aspect, modality, and quantification, in the post-verbal position. Some of these particles have undergone further grammaticalization to convey speaker's subjective as well as intersubjective stances. This book is also unique in its diachronic component. Examples in the book are drawn from various sources including early Cantonese pedagogical texts, Cantonese films, and contemporary Cantonese corpora, with data

ranging from the mid-nineteenth century to the present. This book will be a valuable resource not only for all linguists interested in the development of grammatical forms, but also for teachers and students in conversation/discourse analysis, psychology, and anthropology interested in deepening their understanding of the interaction between language structure and use.

Evolving Neural Crest Cells Jul 15 2022 Vertebrates possess lineage-specific characteristics. These include paired anterior sense organs and a robust, modular head skeleton built of cellular cartilage and bone. All of these structures are derived, at least partly, from an embryonic tissue unique vertebrates - the neural crest. The evolutionary history of the neural crest, and neural crest cells, has been difficult to reconstruct. This volume will use a comparative approach to survey the development of the neural crest in vertebrates, and neural crest-like cells, across the metazoa. This information will be used to reveal neural crest evolution and identify the genomic, genetic, and gene-regulatory changes that drove them. Key selling features: Summarizes the data regarding neural crest cells and neural

crest derivatives Uses a broad-based comparative approach Suggests hypothesis that the origin of neural crest cells involved the novel co-activation of ancient metazoan gene programs in neural border cells Illustrates how the emergences of neural crest made possible the diversification of vertebrate heads

N-Heterocyclic Carbenes in Organocatalysis Jan 21 2023 Summarizing the emerging field of N-heterocyclic carbenes used in organocatalysis, this is an excellent overview of the synthesis and applications of NHCs focusing on carbon-carbon and carbon-heteroatom bond formation. Alongside comprehensive coverage of the synthesis, characteristics and applications, this handbook and ready reference also includes chapters on NHCs for polymerization reactions and natural product synthesis.

Anime May 21 2020 This comprehensive history of Japanese animation draws on Japanese primary sources and testimony from industry professionals to explore the production and reception of anime, from its early faltering steps, to the international successes of *Spirited Away* and *Pokémon*.

Baseball GPA Dec 16 2019 Gross Productivity Average, or GPA, is a new baseball statistic

that measures performance. Accounting for the effect that each plate appearance or baserunning play has on scoring opportunities, it is reported on a scale similar to that for batting average, making it easy for the average fan to understand. Beginning with a detailed explanation of the statistic and its derivation, the book identifies, in Part II, historical patterns in league-average GPA (even the steroids effect is quantified). Practical applications are then explored, as GPA is used in Part III to settle long-running arguments about strategy and in Part IV to reassess players and awards voting from 1952 to 2012.

Software Engineering: Challenges and Solutions Jul 23 2020 This book presents the proceedings of the KKIO Software Engineering Conference held in Wrocław, Poland in September 15-17, 2016. It contains the carefully reviewed and selected scientific outcome of the conference, which had the motto: "Better software = more efficient enterprise: challenges and solutions". Following this mission, this book is a compilation of challenges and needs of the industry, as well as research findings and achievements that could address the posed problems in software engineering. Some of these challenges included in the book are: increasing levels of abstraction for programming constructs, increasing levels of software reuse, increasing levels of automation, optimizing software development cycles. The book provides a platform for

communication between researchers, young and established, and practitioners.

Lifelong Learning in Neoliberal Japan Dec 28 2020 Explores the trend of lifelong learning in Japan as a means to deal with risk in a neoliberal era. Akihiro Ogawa explores Japan's recent embrace of lifelong learning as a means by which a neoliberal state deals with risk. Lifelong learning has been heavily promoted by Japan's policymakers, and statistics find one-third of Japanese people engaged in some form of these activities. Activities that increase abilities and improve health help manage the insecurity that comes with Japan's new economic order and increased income disparity. Ogawa notes that the state attempts to integrate the divided and polarized Japanese population through a newly imagined collectivity, *atarashii kōkyō* or the New Public Commons, a concept that attempts to redefine the boundaries of moral responsibility between the state and the individual, with greater emphasis on the virtues of self-regulation. He discusses the history of lifelong learning in Japan, grassroots efforts to create an entrepreneurial self, community schools that also function as centers for problem solving, vocational education, and career education. Akihiro Ogawa is Professor of Japanese Studies at the Asia Institute, the University of Melbourne, Australia. He is the author of *The Failure of Civil Society? The Third Sector and the State in Contemporary Japan*, also

published by SUNY Press.

Active Media Technology Oct 14 2019 This book constitutes the proceedings of the 10th International Conference on Active Media Technology, AMT 2014, held in Warsaw, Poland, in August 2014, held as part of the 2014 Web Intelligence Congress, WIC 2014. The 47 full papers presented were carefully reviewed and selected from numerous submissions. The topics of these papers encompass active computer systems; interactive systems and applications of AMT-based systems; active media machine learning and data mining techniques; AMT for the semantic web; social networks and cognitive foundations.

Synthesis of Bioactive Scaffolds Nov 14 2019 Carbon-carbon and carbon-heteroatom bond-forming reactions are the backbone of synthetic organic chemistry. Scientists are constantly developing and improving these techniques in order to maximize the diversity of synthetically available molecules. These techniques must be developed in a sustainable manner in order to limit their environmental impact. This book highlights green bond forming reactions for bioactive scaffolds.

The Oxford Handbook of Organizational Paradox Jul 03 2021 The notion of paradox dates back to ancient philosophy, yet only recently have scholars started to explore this idea in organizational phenomena. Two decades ago, a handful of provocative theorists urged researchers to take seriously the study of paradox, and

thereby deepen our understanding of plurality, tensions, and contradictions in organizational life. Studies of organizational paradox have grown exponentially over the past two decades, canvassing varied phenomena, methods, and levels of analysis. These studies have explored such tensions as today and tomorrow, global integration and local distinctions, collaboration and competition, self and others, mission and markets. Yet even with both the depth and breadth of interest in organizational paradoxes, key issues around definitions and application remain. This handbook seeks to aid, engage, and fuel the expanding interest in organizational paradox. Contributions to this volume depict how paradox studies inform, and are informed, by other theoretical perspectives, while creating a resource that enables scholars to learn about and apply this lens across varied organizational phenomena. The increasing complexity, volatility, and ambiguity in our world continually surfaces paradoxical dynamics. Thus, this handbook offers insights to scholars across organizational theory.

Molecular Breeding and

Nutritional Aspects of

Buckwheat Mar 31 2021

Molecular Breeding and

Nutritional Aspects of

Buckwheat describes the

general characterization and

genetic diversity of buckwheat

(family Polygonaceae, genus

Fagopyrum) around the globe

(especially in Russia, China,

India, and Eastern Europe), the arid and cool regions where it is most frequently consumed, and nutritional information on a variety of buckwheat uses, including tea, groats, flour, and noodles. With detailed information on buckwheat regeneration, genetic transformation, gene function analysis, and the metabolic engineering of bioactive compounds, the book guides readers through a variety of buckwheat varietal adaptations, providing foundation information on which additional research should be conducted. It is divided into four parts, including genetic resource and phylogenetic relationship, food nutrition, growth and cultivation, and molecular breeding, with each section providing insights into the most current developments.

Addresses all aspects of buckwheat research, including genetic resources, biological nutrition, genetic transformation, and molecular breeding Presents global characterization on the genetic resource of Fagopyrum, giving researchers insights that will help them breed new cultivars Explores the bioactivity of buckwheat Includes detailed information on the environmental factors that affect the growth and production of buckwheat Handbook of Temperament Sep 24 2020 Timely and authoritative, this unique handbook explores the breadth of current knowledge on temperament, from foundational theory and research to clinical

applications. Leaders in the field examine basic temperament traits, assessment methods, and what brain imaging and molecular genetics reveal about temperament's biological underpinnings. The book considers the pivotal role of temperament in parent-child interactions, attachment, peer relationships, and the development of adolescent and adult personality and psychopathology. Innovative psychological and educational interventions that take temperament into account are reviewed. Integrative in scope, the volume features extensive cross-referencing among chapters and a forward-looking summary chapter.

Annual Plant Reviews, Cell Cycle Control and Plant Development

Feb 10 2022

The cell cycle in plants consists of an ordered set of events, including DNA replication and mitosis, that culminates in cell division. As cell division is a fundamental part of a plant's existence and the basis for tissue repair, development and growth, a full understanding of all aspects of this process is of pivotal importance. Cell Cycle Control and Plant Development commences with an introductory chapter and is broadly divided into two parts. Part 1 details the basic cell machinery, with chapters covering cyclin-dependent kinases (CDKs), cyclins, CDK inhibitors, proteolysis, CDK phosphorylation, and E2F/DP transcription factors. Part 2, which describes the cell cycle and plant development, covers cell cycle activation, cell cycle

control during leaf development, endoreduplication, the cell cycle and trichome, fruit and endosperm development, the hormonal control of cell division and environmental stress, and cell cycle exit. The editor of this important book, Professor Dirk Inzé, well known and respected internationally, has brought together an impressive team of contributing authors, providing an excellent new volume in Blackwell Publishing's Annual Plant Reviews Series. The book is an essential purchase for research teams working in the areas of plant sciences and molecular, cell and developmental biology. All libraries in universities and research establishments where biological sciences are studied and taught should have copies of this essential and timely volume.

Molecular Rearrangements in Organic Synthesis Mar 19 2020 Designed for practitioners of organic synthesis, this book helps chemists understand and take advantage of rearrangement reactions to enhance the synthesis of useful chemical compounds. Provides ready access to the genesis, mechanisms, and synthetic utility of rearrangement reactions Emphasizes strategic synthetic planning and implementation Covers 20 different rearrangement reactions Includes applications for synthesizing compounds useful as natural products, medicinal compounds, functional materials, and physical organic chemistry

New Approaches of Geotechnical Engineering: Soil Characterization, Sustainable Materials and Numerical Simulation Oct 26 2020 The studies presented in this volume cover new approaches of geotechnical engineering introduced by researchers, engineers and scientists to address contemporary issues in geotechnical engineering such as the usage of sustainable materials in soil, soil characterization with new methods, and numerical simulations to predict material properties, etc. Studies were selected from the 6th GeoChina International Conference on Civil & Transportation Infrastructures: From Engineering to Smart & Green Life Cycle Solutions -- Nanchang, China, 2021.

Suzuki Seijun and Postwar Japanese Cinema Jun 02 2021 In 1968, Suzuki Seijun—a low-budget genre filmmaker known for movies including *Branded to Kill*, *Tokyo Drifter*, and *Youth of the Beast*—was unceremoniously fired by Nikkatsu Studios. Soon to be known as the “Suzuki Seijun Incident,” his dismissal became a cause for leftist student protestors and a burgeoning group of cinephiles to rally around. His films rapidly emerged as central to debates over politics and aesthetics in Japanese cinema. William Carroll offers a new account of Suzuki's career that highlights the intersections of film theory, film production, cinephile culture, and politics in 1960s Japan. Carroll places Suzuki's work between two factions that claimed him as one of their

own after 1968: the New Left and its politicized theoretical practice on one hand, and the apparently apolitical cinephiles and their formalist criticism on the other. He considers how both of these strands of film theory shed light on the distinctive qualities of Suzuki's films, and he explores how both Suzuki's works and unheralded Japanese film theorists offer new ways of understanding world cinema. This book presents both a major reinterpretation of Suzuki's work—which influenced directors such as John Woo, Jim Jarmusch, and Quentin Tarantino—and a new lens on postwar Japanese film culture and industry. *Suzuki Seijun and Postwar Japanese Cinema* also includes a complete production history of Suzuki's filmography along with never-before-discussed information about his unfinished film projects. [Emerging Developments and Practices in Oncology](#) Oct 18 2022 Cancer is a leading cause of death that affects numerous people at every age and their relatives. In recent years, there has been a tremendous advancement in imaging and biotechnology technologies and techniques for aiding in the detection, diagnosis, and treatment of cancer. *Emerging Developments and Practices in Oncology* provides research on recent advances in oncology aiming to improve early detection and personalized treatment of cancer. While highlighting applied methods of therapy, such as body radiotherapy, chemoradiotherapy, and immunotherapy, readers learn

about the transforming approach to oncology in modern medicine and new technologies used to diagnose and treat cancer. This book is an important resource for medical trainees, graduate students, active practitioners, researchers, and clinical scientists seeking current research on oncology trends and applications.

Applications of Evolutionary Computing Jan 29 2021 This book constitutes the refereed proceedings of the International Conference on the Applications of Evolutionary Computation, EvoApplications 2013, held in Vienna, Austria, in April 2013, colocated with the Evo* 2013 events EuroGP, EvoCOP, EvoBIO, and EvoMUSART. The 65 revised full papers presented were carefully reviewed and selected from 119 submissions.

EvoApplications 2013 consisted of the following 12 tracks: EvoCOMNET (nature-inspired techniques for telecommunication networks and other parallel and distributed systems), EvoCOMPLEX (evolutionary algorithms and complex systems), EvoENERGY (evolutionary computation in energy applications), EvoFIN (evolutionary and natural computation in finance and economics), EvoGAMES (bio-inspired algorithms in games), EvoIASP (evolutionary computation in image analysis, signal processing, and pattern recognition), EvoINDUSTRY (nature-inspired techniques in industrial settings), EvoNUM (bio-inspired algorithms for

continuous parameter optimization), EvoPAR (parallel implementation of evolutionary algorithms), EvoRISK (computational intelligence for risk management, security and defence applications), EvoROBOT (evolutionary computation in robotics), and EvoSTOC (evolutionary algorithms in stochastic and dynamic environments). Arabidopsis 2010 and beyond – big science with a small weed Aug 24 2020 Over the past two decades revolutionary progress in plant biology became possible by focusing resources on a single plant reference system, *Arabidopsis thaliana*. After the completion of the *Arabidopsis* genome sequence in the year 2000, a coordinated multinational effort was launched to “determine the function of every gene in *Arabidopsis*” by the year 2010. While this ambitious goal has not yet been fully achieved, the *Arabidopsis* genome is now one of the best annotated and serves as the gold standard for plant and other genomes. A large and international community has established genetic toolkits and genomic resources, such as sequence-indexed mutant collections and comprehensive and easily accessible ‘omics-scale datasets, ranging from transcriptome over proteome to the metabolome. The *Arabidopsis* 2010 program evolved from the studying the functions of single genes and gene families to comprehensive systems-wide analyses of functional networks, thereby paving the way from descriptive to predictive plant

science. Progress does not stop here – in the near future, the genomes of one thousand *Arabidopsis* strains and accessions will become available, which will make it possible to exploit existing natural variation for addressing fundamental questions in ecology and evolutionary biology in an unprecedented manner. Further, due to ease of transformation and existing genetic and genomic resources, *Arabidopsis* will likely serve as a chassis for synthetic plant biology, an emerging field and challenge for the next decade of plant research. This Research Topic of Frontiers in Plant Physiology will provide examples on how focusing on a single plant model system has impacted and revolutionized many fields of plant research and it will provide an outlook on the upcoming challenges and fields of research for the next decade of *Arabidopsis* research.

Health Econometrics Sep 17 2022 This volume covers a wide range of existing and emerging topics in applied health economics, including behavioural economics, medical care risk, social insurance, discrete choice models, cost-effectiveness analysis, health and immigration, and more.

Who Runs? Psychological, Physiological and Pathophysiological Aspects of Recreational Endurance Athletes Apr 12 2022 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.

Japan's Ultra-right Jan 17 2020 "First published in Japanese in 2014 by the University of Nagoya Press as *Nihon-Gata Haigai-Shugi* by Naoto Higuchi."

Code of Federal Regulations Nov 19 2022 Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

Africa and the Expansion of International Society Nov 26 2020 This book explores the West-Central African role in, and experience during, the expansion of international society. Building upon theoretical contributions from the English School of international relations, historical sociology and sociology, it departs from Euro-centric assumptions by analysing how West-Central Africa and West-Central Africans were integral to the ways in which Europe and Africa came together from the fifteenth century through to the twentieth. Initially, diverse

scholarship concerned with the expansion of international society is examined, revealing how the process has often been understood as one dictated by Europeans. From there a new approach is developed, one which is better able to examine the expansion as an interactive process between individuals, and which puts the African experience at the heart of study. The empirical research that follows this draws upon primary sources to introduce a number of historically significant and ground-breaking cases into international relations, including; the international relations of West-Central Africa before the European arrival, the emergence and growth of the trans-Atlantic slave trade, the attempts to 'civilize' Africa, and the 'scramble' to colonize Africa. This book argues that the expansion of international society was driven by individual interaction, and was shaped by both Africans and Europeans. This book will be of interest to students and scholars of international relations, international relations theory, history, African politics, the English school and constructivism. Author John Anthony Pella introduces his book *African and the Expansion of International Society: Surrendering the Savannah* http://www.routledge.com/politics/articles/featured_author_john_anthony_pella/ *Studies in Viral Ecology* Aug 04 2021 This book explains the ecology of viruses by examining their interactive dynamics with their hosting species (in this

volume, in animals), including the types of transmission cycles that viruses have evolved encompassing principal and alternate hosts, vehicles and vectoring species. Examining virology from an organismal biology approach and focusing on the concept that viral infections represent areas of overlap in the ecologies of the involved species, *Viral Ecology* is essential for students and professionals who either may be non-virologists or virologists whose previous familiarity has been very specialized.

Greenfield's Neuropathology - Two Volume Set May 01 2021 *Greenfield's Neuropathology*, the world's leading neuropathology reference, provides a comprehensive account of the pathological findings in neurological disease, their biological basis, and their clinical manifestations. The book's detailed advice on pathological assessment and interpretation is based on clear descriptions of molecular and cellular processes and reactions that are relevant to the development of the nervous system, as well as its normal and abnormal functioning. The information is presented in an accessible way to readers working within a range of disciplines in the clinical neurosciences, and neuropathological findings are placed within the context of a broader diagnostic process. New for the Ninth Edition: Features online and downloadable digital formats with rapid search functions, annotation and bookmarking facilities, image collections,

and live reference links
Contains many color
illustrations and high-quality
clinical photographs to help
with interpretation and
understanding Includes more
than 1000 new photographs
and drawings Incorporates new
design elements, such as
alternate colour coding of
chapters for easier navigation
Known for its thorough yet
practical approach,
Greenfield's continues to
provide trusted information to
all neuropathologists and those
in related specialties, including
neurologists, neurosurgeons,
general pathologists,
neuroradiologists, and clinical
neuroscientists.

*Advances in Business,
Management and*

Entrepreneurship Jun 14 2022

The GCBME Book Series aims
to promote the quality and
methodical reach of the Global
Conference on Business

Management &

Entrepreneurship, which is
intended as a high-quality
scientific contribution to the
science of business

management and

entrepreneurship. The

Contributions are expected to
be the main reference articles
on the topic of each book and
have been subject to a strict
peer review process conducted

by experts in the fields. The

conference provided

opportunities for the delegates
to exchange new ideas and
implementation of experiences,
to establish business or

research connections and to

find Global Partners for future

collaboration. The conference

and resulting volume in the

book series is expected to be

held and appear annually. The
year 2019 theme of book and
conference is "Transforming
Sustainable Business In The
Era Of Society 5.0". The
ultimate goal of GCBME is to
provide a medium forum for
educators, researchers,
scholars, managers, graduate
students and professional
business persons from the
diverse cultural backgrounds,
to present and discuss their
research, knowledge and
innovation within the fields of
business, management and
entrepreneurship. The GCBME
conferences cover major
thematic groups, yet opens to
other relevant topics:
Organizational Behavior,
Innovation, Marketing
Management, Financial
Management and Accounting,
Strategic Management,
Entrepreneurship and Green
Business.

Neural Crest and Placodes Jan

09 2022 Neural Crest and
Placodes provides in-depth
coverage of the topic, including
information on their critical
role in vertebrate development,
evolution, and the way defects
in their development underlie a
wide range of congenital
disorders. It delves deep into
advances made in our
understanding of the
mechanisms governing the
formation, migration, and
differentiation of these two cell
populations, also discussing
their integration during
embryonic development. The
text highlights the application
of fundamental knowledge in
investigating the etiology and
pathogenesis of congenital
disorders and the ways the
data applies to the field of

regenerative medicine. Written
by leading experts in the field
Includes descriptions of the
most recent advances in the
field Highlights the
applications of this knowledge
in investigating the etiology
and pathogenesis of congenital
disorders Explores their usage
in the field of regenerative
medicine

Organic Chemistry Apr 19
2020 Provides the background,
tools, and models required to
understand organic synthesis
and plan chemical reactions
more efficiently Knowledge of
physical chemistry is essential
for achieving successful
chemical reactions in organic
chemistry. Chemists must be
competent in a range of areas
to understand organic
synthesis. Organic Chemistry
provides the methods, models,
and tools necessary to fully
comprehend organic reactions.
Written by two internationally
recognized experts in the field,
this much-needed textbook fills
a gap in current literature on
physical organic chemistry.
Rigorous yet straightforward
chapters first examine
chemical equilibria,
thermodynamics, reaction rates
and mechanisms, and
molecular orbital theory,
providing readers with a strong
foundation in physical organic
chemistry. Subsequent
chapters demonstrate various
reactions involving organic,
organometallic, and
biochemical reactants and
catalysts. Throughout the text,
numerous questions and
exercises, over 800 in total,
help readers strengthen their
comprehension of the subject
and highlight key points of

learning. The companion Organic Chemistry Workbook contains complete references and answers to every question in this text. A much-needed resource for students and working chemists alike, this text: -Presents models that establish if a reaction is possible, estimate how long it will take, and determine its properties -Describes reactions with broad practical value in synthesis and biology, such as C-C-coupling reactions, pericyclic reactions, and catalytic reactions -Enables readers to plan chemical reactions more efficiently - Features clear illustrations, figures, and tables -With a Foreword by Nobel Prize Laureate Robert H. Grubbs Organic Chemistry: Theory, Reactivity, and Mechanisms in Modern Synthesis is an ideal textbook for students and instructors of chemistry, and a valuable work of reference for organic chemists, physical chemists, and chemical engineers.

Carrion Ecology, Evolution, and Their Applications Nov 07 2021 Shortlisted for the 2018 TWS Wildlife Publication Awards in the edited book category Decomposition and recycling of vertebrate remains have been understudied, hampered largely due to these processes being aesthetically challenging (e.g., smell and sight). Technological innovations have provided the means to explore new and historically understood natural systems to give us a plethora of new information. Carrion Ecology, Evolution, and Their Applications covers a broad

spectrum of topics including the molecular mechanistic foundations that provide the basis for intra- and interspecific interactions related to population biology, community ecology, and how this manifests into habitat- and ecosystem-level importance. The book connects the science of carrion decomposition from genes to ecosystems in multidisciplinary synthesis of the science. This book brings together a team of global experts involved with measuring and understanding the process and effects of carrion ecology in nature, with special application in such applied fields as forensic entomology, habitat management, animal production (e.g., livestock and aquaculture), and human and environmental health. It fills a large literature gap in ecology, providing a synthesis and future directions important for studies of carrion decomposition that improve the general understanding of decomposition in ecosystems. The book fuses multiple disciplines into a single message explaining the importance of vertebrate carrion ecology in nature. Illustrates Carrion Decomposition in a 16-Page Color Insert with 40 Photos The authors illustrate how the study of carrion transcends the globe and expands systems of inquiry, broadening awareness of this important ecosystem process. Whether you are a student, academic, or professional, you will find this book insightful for the fields of molecular ecology,

microbiology, entomology, forensics, population biology, community and ecosystem ecology, and human and environmental health.

International Review of Cell and Molecular Biology

Sep 05 2021 International Review of Cell and Molecular Biology presents comprehensive reviews and current advances in cell and molecular biology. Articles address structure and control of gene expression, nucleocytoplasmic interactions, control of cell development and differentiation, and cell transformation and growth. The series has a world-wide readership, maintaining a high standard by publishing invited articles on important and timely topics authored by prominent cell and molecular biologists. Authored by some of the foremost scientists in the field Provides comprehensive reviews and current advances Wide range of perspectives on specific subjects Valuable reference material for advanced undergraduates, graduate students and professional scientists **Psychotic Disorders** Feb 22 2023 Psychotic Disorders: Comprehensive Conceptualization and Treatments emphasizes a dimensional approach to psychosis--one of the most fascinating manifestations of altered brain behavior--that cuts across a broad array of psychiatric diagnoses from schizophrenia to affective psychosis and organic disorders like epilepsy and dementias. Written by an international roster of over seventy leading experts in the

field, this volume comprehensively reviews, critiques, and integrates available knowledge on the etiology, mechanisms, and treatments of psychotic disorders, and outlines ways forward in both research and clinical practice towards more objective, mechanistically-based definitions of psychotic disorders. Chapters address topics such as psychosis phenomenology, biomarkers and treatments, the overlaps and interfaces between psychiatric disorders within the psychosis dimension, and novel disease definitions.

Furthermore, the volume incorporates findings on potential mechanisms, bridges between various system levels (i.e., genetic, epigenetic, molecular and cellular, brain circuit and function, psychological, social, environmental and cultural) and their interactions, as well as the potential role in causation and/or mediation in psychotic disorders. Finally, the volume outlines a broad array of treatment approaches, from the readily available (e.g., psychopharmacology, various modalities of psychotherapy) to the experimental (e.g., cognitive interventions, neuromodulation). With a concluding section of forward perspectives conjecturing future directions and related challenges, this book aspires to stimulate new knowledge, generate novel frameworks, and carry new directions forward on psychotic disorders.

Changes in the Brain Feb 16 2020 This informative text details the many changes in

everyday life as the result of injury, illness, or aging affecting the brain. Experts across brain-related fields trace mechanisms of conditions such as Parkinson's disease, TBI, and dementia as they impact regions of the brain, and resulting cognitive, emotional, sensory, and motor impairments as they contribute to deficits in personal and social functioning. In addition to symptoms and behaviors associated with insults to the brain (and the extent to which the brain can adapt or self-repair), chapters provide cogent examples of how societal and cultural expectations can shape the context and experience of disability. The book's focus on everyday activities brings new clarity to diverse links between symptoms and diagnosis, brain and behavior. Included in the coverage: ·The aging brain and changes in daily function. ·Stroke: impact on life and daily function. ·Traumatic brain injury (TBI) and the impact on daily life. ·Everyday life with cancer. ·Real-world impact of HIV-associated neurocognitive impairment. ·Disability and public policy in America. ·Living after brain changes, from the patient's perspective. Rich in empirical data and human insight, *Changes in the Brain* gives neuropsychologists, clinical psychologists, clinical social workers, and rehabilitation nurses a robust new understanding of the daily lives of patients, both in theory and in the real world.

[SALICYLIC ACID - A Plant](#)

[Hormone](#) Jun 21 2020

Phytohormones are closely

involved in directing plant growth, coordinating with the metabolism that provides energy and the building blocks to develop the form that we recognize as plant. This book provides information on Salicylic Acid, a chemical that has significant impact on plant life, and could be raised to the status of the phytohormones because of its significant impact on various aspects of the plant life.

Studies on the 2011 Off the Pacific Coast of Tohoku

Earthquake Dec 08 2021 The Tohoku earthquake on March 11, 2011, officially designated the "Off the Pacific Coast of Tohoku, Japan Earthquake" by the Japan Meteorological Agency caused an unprecedentedly severe disaster in the northeastern part (Tohoku) of the Japanese island of Honshu. This first volume of the series *Natural Disaster Science and Mitigation Engineering: DPRI Reports* covers various aspects of investigations of scientific findings as well as issues related to the disaster and the subsequent evacuation necessitated by the earthquake. The series presents recent advances in natural disaster sciences and mitigation technologies developed in Japan, which will be valuable for the mitigation of disasters of a similar kind resulting from future events around the world.

[Walking](#) Oct 06 2021 This book features a multidisciplinary focus on walking as a mode in the context of transportation, urban planning and health. Breaking down the silos, this

book presents a multidisciplinary focus bringing together research from transport, public health and planning to show linkages and the variation in experience around the world.

Seeds Aug 16 2022 The new edition of *Seeds* contains new information on many topics discussed in the first edition, such as fruit/seed heteromorphism, breaking of physical dormancy and effects of inbreeding depression on germination. New topics have been added to each chapter, including dichotomous keys to types of seeds and kinds of dormancy; a hierarchical dormancy classification system; role of seed banks in restoration of plant communities; and seed germination in relation to parental effects, pollen competition, local adaptation, climate change and karrikinolide in smoke from burning plants. The database for the world biogeography of seed dormancy has been expanded from 3,580 to about 13,600 species. New insights are presented on seed dormancy and germination ecology of species with specialized life cycles or habitat requirements such as orchids, parasitic, aquatics and halophytes. Information from various fields of science has been combined with seed dormancy data to increase our understanding of the evolutionary/phylogenetic origins and relationships of the various kinds of seed dormancy (and nondormancy) and the conditions under which each may have evolved. This

comprehensive synthesis of information on the ecology, biogeography and evolution of seeds provides a thorough overview of whole-seed biology that will facilitate and help focus research efforts. Most wide-ranging and thorough account of whole-seed dormancy available Contains information on dormancy and germination of more than 14,000 species from all the continents - even the two angiosperm species native to the Antarctica continent Includes a taxonomic index so researchers can quickly find information on their study organism(s) and Provides a dichotomous key for the kinds of seed dormancy Topics range from fossil evidence of seed dormancy to molecular biology of seed dormancy Much attention is given to the evolution of kinds of seed dormancy Includes chapters on the basics of how to do seed dormancy studies; on special groups of plants, for example orchids, parasites, aquatics, halophytes; and one chapter devoted to soil seed banks Contains a revised, up-dated classification scheme of seed dormancy, including a formula for each kind of dormancy Detailed attention is given to physiological dormancy, the most common kind of dormancy on earth
Seafood and Freshwater Toxins Mar 11 2022 The last few years have brought about many changes in the field of marine and freshwater toxins, with advances in analytical technology and the realization that these toxins are a global issue. Offering a complete

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