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Laying the BRICS of a New Global Order Blood Brothers US Presidential Doctrines Handbook - Volume 1 President Barack Obama Doctrine - Strategic Information and Materials Transnational Sustainability Laws Colossal United Earth Treatise on Geophysics Interest Representation and Europeanization of Trade Unions from EU Member States of the Eastern Enlargement Mental Imagery Invasion of the MOOCs Brain Reward & Stress Systems in Addiction F1 Alternative Models of Addiction Automation, Communication and Cybernetics in Science and Engineering 2013/2014 Clinical use of biomarkers for neurodegenerative disorders JIMD Reports - Volume 11 Design and Computation of Modern Engineering Materials NATO Expansion and US Strategy in Asia Current perspectives on the mechanisms of auditory hallucinations in clinical and non-clinical populations Autism: The Movement Perspective Deadly Contradictions Social Hormones and Human Behavior: What Do We Know and Where Do We Go from Here Psychoanalytical neuroscience: Exploring psychoanalytic concepts with neuroscientific methods Value and Reward Based Learning in Neurobots Official Gazette Disasters, Vulnerability, and Narratives The Greek Crisis and European Modernity Grappling with the Multifaceted World of the

2023-02-15

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DNA Damage Response Bilingualism and cognitive control The neurobiology of emotion-cognition interactions China in the Indian Ocean Region—India's Security Challenges Regional financial Integration in Africa: Cross-listings as a form of regional financial integration Collections Vol 9 N3 Handbook of Blockchain Law Biotechnology Strategic Equity Partnerships in Professional Football Secondary Metabolites of Medicinal Plants eWork and eBusiness in Architecture, Engineering and Construction Mind Over Brain, Brain Over Mind: Cognitive Causes and Consequences of Controlling Brain Activity Nursing Informatics 2014

Laying the BRICS of a New Global Order

2013-10-20

the contributions in this compilation on the emergence of a new global order through brics serve to illustrate the complexities inherent in the creation of such a coalition alternatively referred to as a grouping association or forum with each country differently situated geo politically as well as ideologically and culturally and in some instances even in conflict with one another in matters of regional peace and security the fact that there are important commonalities of converging interests amongst others the status of emerging economic powers and the furtherance of south south cooperation as well as reforming global governance cannot and should not hide complexities and contradictions these are clearly apparent both within and between the brics countries these diversities are also clear from the varied perspectives of the chapter authors in this compilation which is why we have assembled this collection relatively loosely as a means of expressing our intellectual and analytic convergences and divergences within and across brics each chapter contributor writes from a different discipline country and regional perspective and it is this diversity that enriches the debate and conversation as such there remains enormous room for debate on the subject matter of this book and the diverse contributions open up the parameters of the debate even further the aim is to ensure that scholars commentators and practitioners continue to engage critically with theory and practice related to global multilateralism and brics in particular

Blood Brothers

2015-04-10

nestled deep inside the mysterious atchafalaya swamplands a boy climbed a lonely path that twisted through the pine scented forest he welcomed the southerly breeze against his skin as he studied the shape of her thatch covered lodge that rested on the top of the small hill the rays of the afternoon sun soothed his grief as he moved toward her resting site carrying a blazing torch with him he missed the time that he spent with her learning her secrets that would make him a gifted healer perhaps he thought if i worked a little harder then i might have been able to save her when he saw moki and fala running towards him he wished that this was just a bad dream as he studied the lines of her lonely poles that lifted her bed towards the gods and gazed at the soft curvature of her body that was covered with a thick layer of blankets how would she fight this beast he wondered as he listened to the soft footsteps of his friends when he saw their wide eyes and clenched jaws he knew that they were afraid then he smelled the fear that hung in the air like a thick fog on a chilly spring morning and heard the horrifying growls of the ol wolf echoing through the distant pines he knew that this mad man s transformation was just about complete

US Presidential Doctrines Handbook - Volume 1 President Barack Obama Doctrine - Strategic Information and Materials

2017-01-11

us presidential doctrines handbook reagan carder clinton bush obama

Transnational Sustainability Laws

2017-11-23

this book examines how voluntary sustainability standards can be used to both regulate and coordinate producers in industries

Colossal

2014-06-02

colossal the cobra symbol is a story that will stay with you forever it is a battle of fact and fiction the story uses many historical events and personalities to boost the interest of the reader it starts where humanity is believed to have taken its first step and continues to present day munich

bangalore delhi and the mysterious village of manchale it is difficult to decide a genre for the book as you will discover a twist in the tale after every few pages a hint of romance throughout sarcasm in the dialogues and drama throughout in short it is the story of two terrorists who are undercover form past two decades in the country cooking up a plan the key to their plan lies with a young man who is completely unaware and is mourning the separation of a loved one unknown to him he holds secrets that dates back to the time when god s greatest messengers walked the earth the journey of the characters is shown through continuous flashbacks and instances from their memories it is surely a tale that is colossal in nature and will enchant you with its magic

United Earth

2011-06-08

united earth the revelation book summary it is new years eve 2012 a man with a worn deeply lined face and old dark felt hat pauses briefly peering through a rain drenched store window at festivities on a television screen he is late and must hurry off mysteries unfold that not only alter the lives of two soldiers in this holiday crowd but could bring changes so unbelievable and shocking as to alter the course of human affairs forever a deadly killer pursues these men as they ask just how far is too far when it comes to national security and when is the price too high

Treatise on Geophysics

2015-04-17

treatise on geophysics second edition is a comprehensive and in depth study of the physics of the earth beyond what any geophysics text has provided previously thoroughly revised and updated it provides fundamental and state of the art discussion of all aspects of geophysics a highlight of the second edition is a new volume on near surface geophysics that discusses the role of geophysics in the exploitation and conservation of natural resources and the assessment of degradation of natural systems by pollution additional features include new material in the planets and moon mantle dynamics core dynamics crustal and lithosphere dynamics evolution of the earth and geodesy volumes new material is also presented on the uses of earth gravity measurements this title is essential for professionals researchers professors and advanced undergraduate and graduate students in the fields of geophysics and earth system science comprehensive and detailed coverage of all aspects of geophysics fundamental and state of the art discussions of all research topics integration of topics into a coherent whole

**Interest Representation and Europeanization of
Trade Unions from EU Member States of the Eastern**

Enlargement

2015-05-01

this book examines the integration of major trade unions from the six biggest countries of eu s eastern enlargement into eu governance structures based on extensive empirical research including more than 150 in depth interviews statistical data collection document research and eight detailed case studies the contributions describe the activities and perceptions of the trade unions under investigation and the different levels of engagement including european umbrella organizations interregional cooperation and european works councils the book thus contributes to political science research on interest representation and europeanization as well as sociological research on labor relations

Mental Imagery

2014-03-15

our ability to be conscious of the world around us is often discussed as one of the most amazing yet enigmatic processes under scientific investigation today however our ability to imagine the world around us in the absence of stimulation from that world is perhaps even more amazing this capacity to experience objects or scenarios through imagination that do not necessarily exist in the world is perhaps one of the fundamental abilities that allows us

successfully to think about plan run a dress rehearsal of future events re analyze past events and even simulate or fantasize abstract events that may never happen empirical research into mental imagery has seen a recent surge due partly to the development of new neuroscientific methods and their clever application but also due to the increasing discovery and application of more objective methods to investigate this inherently internal and private process as the topic is cross hosted in frontiers in perception science and frontiers in human neuroscience we invite researchers from different fields to submit opinionated but balanced reviews new empirical theoretical philosophical or technical papers covering any aspect of mental imagery in particular we encourage submissions focusing on different sensory modalities such as olfaction audition somatosensory etc similarly we support submissions focusing on the relationship between mental imagery and other neural and cognitive functions or disorders such as visual working memory visual search or disorders of anxiety together we hope that collecting a group of papers on this research topic will help to unify theory while providing an overview of the state of the field where it is heading and how mental imagery relates to other cognitive and sensory functions

Invasion of the MOOCs

2015-03-26

leading proponents and critics articulate and debate the rapid rise of moocs massive open online courses as an educational and open access innovation

Brain Reward & Stress Systems in Addiction

2013-09-05

addiction to drugs and alcohol is a dynamic and multi faceted disease process in humans with devastating health and financial consequences for the individual and society at large in humans drug and alcohol use disorders i e abuse and dependence are defined by clusters of behavioral symptoms that can be modeled to various degrees in animals hallmark behavioral symptoms associated with drug and alcohol dependence are compulsive drug use loss of control during episodes of drug use the emergence of a negative emotional state in the absence of the drug and chronic relapse vulnerability during drug abstinence the transition to drug dependence is defined by neuroadaptations in brain circuits that in the absence of drugs mediate a variety of critical behavioral and physiological processes including natural reward positive and negative emotional states nociception and feeding chronic drug exposure during the transition to dependence spurs 1 within systems changes in neural circuits that contribute to the acute rewarding effects of the drug and 2 recruitment of brain stress systems neuroendocrine and extra hypothalamic there are substantial genetic contributions to the propensity to use and abuse drugs and drug abuse is highly co morbid with various other psychiatric conditions e g anxiety disorders major depressive disorder that may precede or follow the development of drug use problems across drugs of abuse there are overlapping and dissociable aspects of the behavioral and neural changes that define the transition to dependence even within a single

drug people abuse drugs for a variety of reasons the picture is further complicated by the fact that humans often abuse more than one drug concurrently even in the face of these challenges pre clinical and clinical research is making exponential gains into understanding the neurobiology of drug addiction with the advent of new technologies and their combination with traditional approaches the field is able to ask and answer addiction related research questions in increasingly sophisticated ways here we hope to assemble a collection of articles that provide an up to the moment snapshot of the prevailing empirical theoretical and technical directions in the addiction research field we encourage submissions from all investigators working to understand the neurobiology of addiction especially as it pertains to reward and stress pathways in the brain

F1

2015-12-07

for as long as there have been automobiles there have been courageous men and women with nerves of steel willing to risk life and limb to race them this book takes you on an inside look at one of the greatest racing sports of them all f1 let historcaps take you on a journey through the creation of the sport to what the future holds historycaps is an imprint of bookcaps study guides with each book a brief period of history is recapped we publish a wide array of topics from baseball and music to science and philosophy so check our growing catalogue regularly to see our newest books

Alternative Models of Addiction

2014-12-03

for much of the 20th century theories of addictive behaviour and motivation were polarized between two models the first model viewed addiction as a moral failure for which addicts are rightly held responsible and judged accordingly the second model in contrast viewed addiction as a specific brain disease caused by neurobiological adaptations occurring in response to chronic drug or alcohol use and over which addicts have no choice or control as our capacity to observe neurobiological phenomena improved the second model became scientific orthodoxy increasingly dominating addiction research and informing public understandings of addiction more recently however a dissenting view has emerged within addiction research based partly on new scientific research and partly on progress in philosophical and psychological understandings of relevant mental phenomena this view does not revert to treating addiction as a moral failure but nonetheless holds that addictive behaviour is fundamentally motivated by choice and subject to at least a degree of voluntary control on this alternative model of addiction addictive behaviour is an instrumental means to ends that are desired by the individual although much controversy exists with respect to the rationality or irrationality of these ends the degree and nature of the voluntary control of addictive behaviour and motivation the explanation of the difference between addictive and non addictive behaviour and motivation and lastly the extent to which addictive behaviour and motivation is correctly characterised as

pathological or diseased this research topic includes papers in the traditions of neuroscience psychology philosophy law and social science that explore alternative understandings of addiction

Automation, Communication and Cybernetics in Science and Engineering 2013/2014

2014-12-03

this book continues the tradition of its predecessors automation communication and cybernetics in science and engineering 2009 2010 and 2011 2012 and includes a representative selection of scientific publications from researchers at the institute cluster ima zlw ifu ima institute of information management in mechanical engineering zlw center for learning and knowledge management ifu associated institute for management cybernetics e v faculty of mechanical engineering rwth aachen university the book presents a range of innovative fields of application including cognitive systems cyber physical production systems robotics automation technology machine learning natural language processing data mining predictive data analytics visual analytics innovation and diversity management demographic models virtual and remote laboratories virtual and augmented realities multimedia learning environments organizational development and management cybernetics the contributions selected reflect the fundamental paradigm shift toward an increasingly interdisciplinary research world which has always been both the basis and spirit of the institute cluster ima zlw ifu

Clinical use of biomarkers for neurodegenerative disorders

2013-08-26

the prevalence of neurodegenerative disorders is increasing dramatically and one of the major challenges today is the need of early and accurate diagnosis the other is the need of more effective therapies in turn the development of such therapies also requires early and accurate diagnosis the main hope for an earlier and more accurate diagnosis comes from the use of biomarkers much research is being done trying to solve the many interrogates related to the role of biomarkers in clinical practice including the early diagnosis differential diagnosis and follow up of neurodegenerative disorders this is a field where translational research is intense enough to make this topic interesting for basic researchers and clinicians indeed the amount and quality of articles received in response to the call for contributions was very good this ebook contains a good amount of high quality articles devoted to diverse techniques across several neurodegenerative disorders from different perspectives including original reports reviews methods reports and opinion letters on biochemical biomarkers in biological fluids neuroimaging techniques and multidimensional approaches linking clinical findings with biomarkers the disorders covered are also diverse alzheimer s disease frontotemporal dementia dementia with lewy bodies huntington s disease parkinson s disease among others as we can learn from articles in this research topic biomarkers are allowing us to expand the knowledge on the

biological and anatomical basis of neurodegenerative diseases and to implement diagnostic techniques in clinical practice and clinical trials

JIMD Reports - Volume 11

2014-07-01

jimd reports publishes case and short research reports in the area of inherited metabolic disorders case reports highlight some unusual or previously unrecorded feature relevant to the disorder or serve as an important reminder of clinical or biochemical features of a mendelian disorder

Design and Computation of Modern Engineering Materials

2013-11-12

the idea of this monograph is to present the latest results related to design and computation of engineering materials and structures the contributions cover the classical fields of mechanical civil and materials engineering up to biomechanics and advanced materials processing and optimization the materials and structures covered can be categorized into modern steels and titanium alloys composite materials biological and natural materials material

hybrids and modern joining technologies analytical modelling numerical simulation the application of state of the art design tools and sophisticated experimental techniques are applied to characterize the performance of materials and to design and optimize structures in different fields of engineering applications

NATO Expansion and US Strategy in Asia

2014-03-07

surmounting the global crisis critiques the impact of nato enlargement and the us pivot to asia on both the russia and china and examines how these dual us backed policies may influence key countries in the euro atlantic wider middle east and indo pacific regions in general

Current perspectives on the mechanisms of auditory hallucinations in clinical and non-clinical populations

2015-05-19

there has been a recent surge of interest in auditory hallucinations ah in schizophrenia compared to those experienced by non clinical i e healthy individuals this interest stems in no small part from a keen awareness of the

fact that progress in developing more effective treatments for ah in psychosis has been seriously hampered by our limited understanding of the cognitive and biological mechanisms involved the prevailing notion that ah in clinical and non clinical populations share the same features and underlying mechanisms the continuum hypothesis has been seriously challenged by a growing list of differences as well as similarities between these groups at the phenomenological level this is exemplified in the highly negative content of ah in patients and the markedly earlier age of onset of ah in non patients similarly several recent studies point to significant differences in cognition language lateralization and possibly dopamine function between these groups these findings have important implications for the design of future studies and raise considerable doubt about the adequacy of modelling the functional mechanisms of clinical ah on the basis of non clinical populations in short the time seems ripe to re evaluate the continuum hypothesis and provide a forum to present alternative perspectives on the functional pathways leading to ah in clinical and non clinical groups such a forum is also timely in view of the renewed interest in ah in other non schizophrenic clinical groups again examining similarities and differences between such groups preliminary studies for instance have shown that ah in certain clinical populations e g bipolar disorder borderline personality disorder dissociative disorder share similar phenomenological features with ah in schizophrenia however the implications of such findings are not fully understood and studies have not adequately examined potential differences between ah in these groups the goal of this frontiers research topic therefore is take the opportunity to bring together research exploring differences and similarities in mechanisms of ah in clinical and non clinical

groups and to stimulate the development of new explanatory models which explicitly link the phenomenological characteristics of ah with underlying mechanisms

Autism: The Movement Perspective

2016-08-01

autism spectrum disorders asd is portrayed as cognitive and social disorders undoubtedly impairments in communication and restricted repetitive behaviors that now define the disorders have a profound impact on social interactions but can we go beyond the descriptive observational nature of this definition and objectively measure that amalgamate of motions and sensations that we call behavior in this research topic we bring movement and its sensation to the forefront of autism research diagnosis and treatment we gather researchers across disciplines with the unifying goal of recognizing movement and sensory disturbances as core symptoms of the disorder we also hear confirmation from the perspective of autism self advocates and parents those important sources of evidence along with the research presented in this topic demonstrate without a doubt that profound movement and sensory differences do exist in asd and that they are quantifiable the work presented in this research topic shows us that quantifiable differences in movements have a better chance than current observational techniques to help us uncover subtle solutions that the nervous system with autism has already spontaneously self discovered and utilized in daily living where the naked eye would miss the

unique subtleties that help each individual cope instrumentation and fine kinematic analyses of motions help us uncover inherent capacities and predispositions of the person with autism the work presented in this topic helps us better articulate through the voices of parents and self advocates those sensory motor differences that current inventories could not possibly uncover these differences are seldom perceived as they take place at timescales and frequencies that fall largely beneath our conscious awareness to the person in the spectrum living with this disorder and to the caregiver creating accommodations to help the affected loved one these subtleties are very familiar though indeed they are often used in clever ways to facilitate daily routines we have waited much too long in science to listen to the very people that we are trying to define understand and help being autism a social problem by definition it is remarkable that not a single diagnosis inventory measures the dyadic social interaction that takes place between the examiner and the examinees indeed we have conceived the autistic person within a social context where we are incapable by definition of accepting those differences the burden is rather placed on the affected person to whom much too often we refer to in the third person as non verbal without intentionality without empathy or emotions without a theory of mind among other purely psychological guesses it is then too easy and shockingly allowed to reshape that person to mold that person to better conform to our social expectations and to extinguish behaviors that are socially unacceptable even through the use of aversive punishing reinforcement techniques if need be and yet none of those techniques have had a single shred of objective scientific evidence of their effectiveness we have not objectively measured once nor have we physiologically characterized once any of those perceived features

that we so often use to observationally define what we may think the autistic phenotype may be we have not properly quantified beyond paper and pencil methods the effectiveness of interventions in autism let us not forget when we do our science that we are all part of the broad human spectrum

Deadly Contradictions

2015-02-11

as us imperialism continues to dictate foreign policy deadly contradictions is a compelling account of the american empire stephen p reyna argues that contemporary forms of violence exercised by american elites in the colonies client state and regions of interest have deferred imperial problems but not without raising their own set of deadly contradictions this book can be read many ways as a polemic against geopolitics as a classic social anthropological text or as a seminal analysis of twenty four us global wars during the cold war and post cold war eras

Social Hormones and Human Behavior: What Do We Know and Where Do We Go from Here

2015-01-09

oxytocin ot and arginine vasopressin avp are the paramount social hormones in

mammals and accumulating evidence also strengthens the unique role of these neuropeptides also in human social behavior indeed from voles to humans *ot* and *avp* modulate an intriguing number of social behaviors resonating across species such as the quality of pair bonding parenting modulations of social stress in group out group relationships and social communications recent molecular genetic studies of the oxytocin *oxtr* arginine vasopressin 1a *avpr1a* and arginine vasopressin 1b *avpr1b* receptors have strengthened the role of these two neuropeptides in a range of normal and pathological human behaviors importantly dysfunctions in the *ot* and *avp* neural pathways are likely contributing to deficits in social skills and communication in disorders such as autism this research topic covers the state of the science and provides a deep view of social hormone research in humans to illustrates how pharmacological genetic and neuroimaging strategies can be successfully combined toward unraveling the mystery of how human social behavior is regulated understanding human social behavior at the molecular level i e social neuroscience is not only crucial for treatment and diagnosis of disorders characterized by deficits in social cognition but also has important implications in establishing the congruence of findings from different approaches in the social sciences and biology we bring together in this issue a broad spectrum of investigators from the neurosciences genetics psychology economics and political science towards a deeper understanding of the biological roots of human social behavior we hope that this transdisciplinary research topic will bring new insights and ideas to the field give future perspectives while also addressing open questions and limitation in order to develop intervention and prevention strategies and to translate the basic social hormone research into clinical applications this

research topic covers the state of the science and provides a deep view of social hormone research in humans to illustrates how pharmacological genetic and neuroimaging strategies can be successfully combined toward unraveling the mystery of how human social behavior is regulated understanding human social behavior at the molecular level aka social neuroscience is not only crucial for treatment and diagnosis of disorders characterized by deficits in social cognition but such an understanding has important implications for consilience of the social sciences and biology we bring together in this issue a broad spectrum of investigators from the neurosciences genetics psychology economics and political science towards a deeper understanding of the biological roots of human social behavior we hope that this transdisciplinary research topic will bring new insights and ideas to the field give future perspectives while also addressing open questions and limitation in order to develop intervention and prevention strategies and to translate the basic social hormone research into clinical applications

Psychoanalytical neuroscience: Exploring psychoanalytic concepts with neuroscientific methods

2015-03-05

sigmund freud was a trained neuroanatomist and wrote his first psychoanalytical theory in neuroscientific terms throughout his life he

maintained the belief that at some distant day in the future all psychoanalytic processes could be tied to a neural basis we must recollect that all of our provisional ideas in psychology will presumably one day be based on an organic substructure freud 1914 on narcissism an introduction fundamental freudian concepts reveal their foundation in the physiological science of his time most importantly among them the concept of libidinous energy and the homeostatic principle of constancy however the subsequent history of psychoanalysis and neuroscience was mainly characterized by mutual ignorance or even opposition many scientists accused psychoanalytic viewpoints not to be scientifically testable and many psychoanalysts claimed that their theories did not need empirical support outside of the therapeutic situation on this historical background it may appear surprising that the recent years have seen an increasing interest in re connecting psychoanalysis and neuroscience in various ways by studying psychodynamic consequences of brain lesions in neurological patients by investigating how psychoanalytic therapy affects brain structure and function or even by operationalizing psychoanalytic concepts in well controlled experiments and exploring their neural correlates these empirical studies are accompanied by theoretical work on the philosophical status of the neuropsychanalytic endeavour in this volume we attempt to provide a state of the art overview of this new exciting field all types of submissions are welcome including research in patient populations healthy human participants and animals review articles on some empirical or theoretical aspect and of course also critical accounts of the new field despite this welcome variability we would like to suggest that all contributions attempt to address one or both of two main questions which should motivate the connection between psychoanalysis and neuroscience and

that in our opinion still remain exigent first from the neuroscientific side why should researchers in the neurosciences address psychoanalytic ideas and what is or will be the impact of this connection on current neuroscientific theories second from the psychoanalytic side why should psychoanalysts care about neuroscientific studies

Value and Reward Based Learning in Neurobots

2013

organisms are equipped with value systems that signal the salience of environmental cues to their nervous system causing a change in the nervous system that results in modification of their behavior these systems are necessary for an organism to adapt its behavior when an important environmental event occurs a value system constitutes a basic assumption of what is good and bad for an agent these value systems have been effectively used in robotic systems to shape behavior for example many robots have used models of the dopaminergic system to reinforce behavior that leads to rewards other modulatory systems that shape behavior are acetylcholine s effect on attention norepinephrine s effect on vigilance and serotonin s effect on impulsiveness mood and risk moreover hormonal systems such as oxytocin and its effect on trust constitute as a value system this book presents current research involving neurobiologically inspired robots whose behavior is 1 shaped by value and reward learning 2 adapted through interaction with the environment and 3 shaped by extracting value from the environment

Official Gazette

2018-07-17

this book uses narrative responses to the 2010 haiti earthquake as a starting point for an analysis of notions of disaster vulnerability reconstruction and recovery the turn to a wide range of literary works enables a composite comparative analysis which encompasses the social political and individual dimensions of the earthquake this book focuses on a vision of an open ended future otherwise than as a threat or fear mika turns to concepts of hinged chronologies slow healing and remnant dwelling weaving theory with attentive close readings the book offers an open ended framework for conceptualising post disaster recovery and healing these processes happen at different times and must entail the elimination of compound vulnerabilities that created the disaster in the first place challenging characterisations of the region as a continuous catastrophe this book works towards a bold vision of haiti s and the caribbean s futures the study shows how narratives can extend some of the key concepts within discipline bound approaches to disasters while making an important contribution to the interface between disaster studies postcolonial ecocriticism and haitian studies

Disasters, Vulnerability, and Narratives

2013-08-30

this collection explores the current economic and political crisis in greece and more widely in europe greece is used to illustrate and exemplify the contradictions of the dominant paradigm of european modernity the ruptures that are inherent to it and the alternative modernity discourses that develop within europe

The Greek Crisis and European Modernity

2017-01-10

dna damage is a major threat to genomic integrity and cell survival it can arise both spontaneously and in response to exogenous agents dna damage can attack most parts of the dna structure ranging from minor and major chemical modifications to single strand breaks ssbs and gaps to full double strand breaks dsbs if dna injuries are mis repaired or unrepaired they may ultimately result in mutations or wider scale genome aberrations that threaten cell homeostasis consequently the cells elicit an elaborate signalling network known as dna damage response ddr to detect and repair these cytotoxic lesions this research topic was aimed at comprehensive investigations of basic and novel mechanisms that underlie the dna damage response in eukaryotes

Grappling with the Multifaceted World of the DNA Damage Response

2015-06-12

research on bilingual language processing reveals an important role for control processes that enable bilinguals to negotiate the potential competition across their two languages the requirement for control that enables bilinguals to speak the intended language and to switch between languages has also been suggested to confer a set of cognitive consequences for executive function that extend beyond language to domain general cognitive skills many recent studies have examined aspects of how cognitive control is manifest during bilingual language processing how individual differences in cognitive resources influence second language learning and performance and the range of cognitive tasks that appear to be influenced by bilingualism however not all studies demonstrate a bilingual advantage in all tasks that tap into cognitive control indeed many questions are unanswered that are critical to our understanding of bilingual control what aspects of cognitive control are enhanced for proficient bilinguals how are individual differences in cognitive control related to language acquisition proficiency or professional translation skill how does the language environment affect concurrent processing how exactly does language control come about in tasks such as speech production switching between languages or translation when and how does inhibitory processing support language control the focus of this research topic is on executive control and bilingualism the goal is to have a

broad scope that includes all of these issues we seek empirical contributions using different methodologies including behavioral computational and neuroscience approaches we also welcome theoretical contributions that provide detailed discussion of models or mechanisms that account for the relationship between bilingualism and cognitive control we aim to provide a platform for new contributions that represent a state of the art overview of approaches to cognitive control in bilingualism we hope that this research topic will enable the field to formulate more precise hypotheses and causal models on the relation between individual differences cognitive control and bilingual language processing

Bilingualism and cognitive control

2023-03-21

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 encompasses 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

The neurobiology of emotion-cognition interactions

2014-02-01

indian ocean third largest ocean in the world surpasses the atlantic and pacific oceans being world s most populated region one third of the world s bulk cargo and two thirds of world s oil ship tankers passes through the indian ocean china s interests in the indian ocean region can be traced and backed by early 60 s ever since beijing has been increasingly deepening its

presence in the indian ocean region for a variety of reasons such as oil trade and security etc over 30 per cent of china s seaborne trade worth about 300 billion transits across indian ocean region sharing a quarter of the world s population china facing ever increasing demand for energy china has little choice but to look beyond its borders for its energy requirements around 77 percent of its oil imports are sourced from west asia and africa and these are transporting through the indian ocean via malacca strait thus china s dependency on indian ocean region continues to grow for energy imports from gulf and to import resources from africa and trade with europe with china steadily spreading its footprints in the ior with increasing military presence and with rapidly growing its navy being equipped with warships destroyers and nuclear submarines through a strategy called string of pearls which can encircle india in its convenient time in the near future so china has been emerging as biggest threat for india by analyzing its actions in the indian ocean region and along with india china border from easter ladakh to arunachal pradesh as stand off continues since june 2020

China in the Indian Ocean Region–India’s Security Challenges

2013-09-25

this book looks at contemporary issues facing financial markets in southern africa it has been established that african stock markets are confronted with a multitude of problems which include inadequate liquidity low capitalisation

few market participants a small number of listed companies and low trading volumes as a result their broader economic impact has so far been limited the southern africa development community sadc stock markets with the exception of south africa are small both in terms of the number of listed companies and market capitalisation and they display considerable illiquidity in general the sadc region has shallow and underdeveloped financial markets their development has been hampered by a number of factors which include political and economic uncertainty fiscal dominance weak judicial institutions limited investment opportunities in the private sector technological constraints and the shortage of skilled personnel with expertise in banking and finance

Regional financial Integration in Africa: Cross-listings as a form of regional financial integration

2020-07-16

collections a journal for museum and archives professionals is a multi disciplinary peer reviewed journal dedicated to the discussion of all aspects of handling preserving researching and organizing collections curators archivists collections managers preparators registrars educators students and others contribute

Collections Vol 9 N3

2015-04-15

blockchain has become attractive to companies and governments because it promises to solve the age old problem of mutability in transactions that is it makes falsification and recalculation impossible once a transaction has been committed to the technology however the perceived complexity of implementing blockchain calls for an in depth overview of its key features and functionalities specifically in a legal context the systematic and comprehensive approach set forth in this indispensable book including coverage of existing relevant law in various jurisdictions and practical guidance on how to tackle legal issues raised by the use of blockchain ensures a one stop shop reference book for anyone considering blockchain based solutions or rendering advice with respect to them within a clear structure by fields of law allowing for a systematic approach each contributor all of them are practitioners experienced with blockchain projects within their respective areas of expertise elucidates the implications of blockchain technology and related legal issues under such headings as the following technical explanation of blockchain technology contract law regulatory issues and existing regulation in a variety of jurisdictions data protection and privacy capital markets information security patents and other intellectual property considerations and antitrust law keeping the legal questions and concepts sufficiently generic so that lawyers can benefit from the handbook irrespective of their jurisdiction and

legal background the authors cover such specific characteristics of blockchain implementation as so called smart contracts tokenization distributed ledger technology digital securities recognition of code as law data privacy challenges and blockchain joint ventures because blockchain is a relatively new technology still in process and raises a multitude of legal questions this well balanced introduction at a depth that allows non it experts to understand the groundwork for legal assessments provides a solid basis for organizations and their legal advisors in identifying and resolving blockchain related issues legal practitioners in house lawyers it professionals and advisors consultancy firms blockchain associations and legal scholars will welcome this highly informative and practical book

Handbook of Blockchain Law

2020-07-28

over the recent years biotechnology has become responsible for explaining interactions of biological tools and processes so that many scientists in the life sciences from agronomy to medicine are engaged in biotechnological research this book contains an overview focusing on the research area of molecular biology molecular aspects of biotechnology synthetic biology and agricultural applications in relevant approaches the book deals with basic issues and some of the recent developments in biotechnological applications particular emphasis is devoted to both theoretical and experimental aspect of modern biotechnology the primary target audience for the book includes

students researchers biologists chemists chemical engineers and professionals who are interested in associated areas the book is written by international scientists with expertise in chemistry protein biochemistry enzymology molecular biology and genetics many of which are active in biochemical and biomedical research we hope that the book will enhance the knowledge of scientists in the complexities of some biotechnological approaches it will stimulate both professionals and students to dedicate part of their future research in understanding relevant mechanisms and applications

Biotechnology

2020-03-06

the study explores the underlying motives and processes why and how corporate sponsors and professional football clubs in germany enter into an additional share deal given the contradictory nature of corporations monetary driven and football clubs maximising sporting success while operating in economic equilibrium this work aims to generate theory within the specific field of professional football and to provide recommendations for action

Strategic Equity Partnerships in Professional Football

2014-08-21

covers the structurally diverse secondary metabolites of medicinal plants including their ethnopharmacological properties biological activity and production strategies secondary metabolites of plants are a treasure trove of novel compounds with potential pharmaceutical applications consequently the nature of these metabolites as well as strategies for the targeted expression and or purification is of high interest regarding their biological and pharmacological activity and ethnopharmacological properties this book offers a comprehensive treatment of 100 plant species including abutilon aloe cannabis capsicum jasminum malva phyllanthus stellaria thymus vitis zingiber and more it also discusses the cell culture conditions and various strategies used for enhancing the production of targeted metabolites in plant cell cultures secondary metabolites of medicinal plants ethnopharmacological properties biological activity and production strategies is presented in four parts part i provides a complete introduction to the subject part ii looks at the ethnomedicinal and pharmacological properties chemical structures and culture conditions of secondary metabolites the third part examines the many strategies of secondary metabolites production including biotransformation culture conditions feeding of precursors genetic transformation immobilization and oxygenation the last section concludes with an overview of everything learned provides information on cell culture conditions and targeted extraction of secondary metabolites confirmed by relevant literature presents the structures of secondary metabolites of 100 plant species together with their biological and pharmacological activity discusses plant species regarding their distribution habitat and ethnopharmacological properties presents strategies of secondary metabolites production such as organ culture ph elicitation hairy root cultures light and mutagenesis

secondary metabolites of medicinal plants is an important book for students professionals and biotechnologists interested in the biological and pharmacological activity and ethnopharmacological properties of plants

Secondary Metabolites of Medicinal Plants

2015-11-30

in the last two decades the biannual ecppm european conference on product and process modelling conference series has provided a unique platform for the presentation and discussion of the most recent advances with regard to the ict information and communication technology applications in the aec fm architecture engineering construction and facilities management domains ecppm 2014 the 10th european conference on product and process modelling was hosted by the department of building physics and building ecology of the vienna university of technology austria 17 19 september 2014 this book entails a substantial number of high quality contributions that cover a large spectrum of topics pertaining to ict deployment instances in aec fm including bim building information modelling ict in civil engineering infrastructure human requirements factors computational decision support commissioning monitoring occupancy energy management ontology data models and ifc industry foundation classes energy modelling thermal performance simulation sustainable buildings micro climate modelling model calibration project construction management data information management as such ework and ebusiness in architecture engineering and construction 2014 represents a rich and comprehensive

resource for academics and professionals working in the interdisciplinary areas of information technology applications in architecture engineering and construction

eWork and eBusiness in Architecture, Engineering and Construction

2014-07-24

this research topic combines articles aiming to gain a better understanding on different factors that determine whether people are successful or not in controlling computerized devices with brain signals since decades technological advancements in neuroscience allow the interpretation of brain signals and their translation into control messages brain computer interface bci moreover the control of brain signals can be used to induce changes in cognition and behavior neurofeedback nf however the break through of this technology for the broad population in real world applications has not yet arrived various factors have been related to the individual success in controlling computerized devices with brain signals but to date no general theoretical framework is available in this research topic aspects of the training protocol such as instructions task and feedback as well as cognitive and psychological traits such as motivation mood locus of control and empathy are investigated as determinants of bci or nf performance moreover the mechanisms and networks involved in gaining and maintaining control over brain activity as well as its prediction are addressed finally as the

ultimate goal of this research is to use bci and nf for communication or control and therapy respectively novel applications for individuals with disabilities or disorders are discussed

Mind Over Brain, Brain Over Mind: Cognitive Causes and Consequences of Controlling Brain Activity

standing as it does at the intersection of the information computer social and behavioral sciences and healthcare and dealing with the resources devices and methods required to optimize the acquisition storage retrieval and use of information in health and biomedicine nursing informatics is increasingly crucial in modern healthcare this book presents selected papers from the twelfth nursing informatics congress ni2014 held in taipei taiwan in june 2014 and entitled east meets west esmart the aim of the congress is to provide a single high profile internationally renowned forum for research in the theory and practice of nursing informatics the comprehensive scientific program focuses on mobile and web technologies with healthcare delivery applications as well as currently relevant core topics including patient safety and quality data information management usability meaningful use and educating for competencies containing 68 papers selected from the 280 presentations by delegates from more than 30 countries the book presents an overview of current research and practice which will be of interest to all those whose healthcare role involves the use of modern information technology

Nursing Informatics 2014

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