

Player/yusuke Kudota

When people should go to the books stores, search initiation by shop, shelf by shelf, it is essentially problematic. This is why we present the ebook compilations in this website. It will extremely ease you to look guide **player/yusuke kudota** as you such as.

By searching the title, publisher, or authors of guide you essentially want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be every best place within net connections. If you point toward to download and install the player/yusuke kudota, it is extremely simple then, since currently we extend the member to purchase and create bargains to download and install player/yusuke kudota thus simple!

Smart Plant Factory Toyoki Kozai 2018-11-11 This book describes the concept, characteristics, methodology, design, management, business, recent advances and future technologies of plant factories with artificial lighting (PFAL) and indoor vertical farms. The third wave of PFAL business started in around 2010 in Japan and Taiwan, and in USA and Europe it began in about 2013 after the rapid advances in LED technology. The book discusses the basic and advanced developments in recent PFALs and future smart PFALs that emerged in 2016. There is an emerging interest around the globe in smart PFAL R&D and business, which are expected to play an important role in urban agriculture in the coming decades. It is also expected that they will contribute to solving the trilemma of food, environment and natural resources with increasing urban populations and decreasing agricultural populations and arable land area. Current obstacles to successful PFAL R&D and business are: 1) no well-accepted concepts and methodology for PFAL design and

management, 2) lack of understanding of the environmental effects on plant growth and development and hydroponics among engineers; 3) lack of understanding of the technical and engineering aspects of PFAL among horticulturists; 4) lack of knowledge of the technical challenges and opportunities in future PFAL businesses among business professionals, policy makers, and investors and 5) lack of a suitable textbook on the recent advances in PFAL technologies and business for graduate students and young researchers. This book covers all the aspects of successful smart PFAL R & D and business.

Modification

Identity and Pragmatic Language Use Yoko Nogami 2020-06-22 ELF (English as a lingua franca) research counters the monocentric view of English based on norms of native speakers of English, and supports any usages reflecting sociopragmatic and pragmalinguistic reality of ELF communication. Such an approach empowers any speakers of English to contemplate their own varieties

of English as legitimate, providing them greater options for positive self-identification. Based on qualitative and interpretive methodology, this book illustrates how Japanese L2 English users establish identities related to L2 English as part of their multiple identities, and how they explore new identity options through ELF. Moreover, the author demonstrates how power relations relating to English language are constructed through the participants' experiences in ELF interactions. Also, analysis of the data reveals that to what degree the Japanese L2 English users wish to affiliate with particular groups in ELF interactions with people from diverse cultural background. Because of the multidisciplinary nature of the study, this book will appeal to a broad audience such as scholars and students who are interested in further understanding of identity and sociocultural issues involved in intercultural communication.

Industrial Pharmaceutical Biotechnology Heinrich Klefenz 2002-04-22 This volume focuses on pharmaceutical biotechnology as a key area of life sciences. The complete range of concepts, processes and technologies of biotechnology is applied in modern industrial pharmaceutical research, development and production. The results of genome sequencing and studies of biological-genetic function are combined with chemical, micro-electronic and microsystem technology to produce medical devices and diagnostic biochips. A multitude of biologically active molecules is expanded by additional novel structures created with newly arranged gene clusters and bio-catalytic chemical processes. New organisational structures in the co-operation of institutes, companies and networks enable faster knowledge and product development and immediate

application of the results of research and process development. This book is the ideal source of information for scientists and engineers in research and development, for decision-makers in biotech, pharma and chemical corporations, as well as for research institutes, but also for founders of biotech companies and people working for venture capital corporations.

Type-Logical Syntax Yusuke Kubota 2020-09-15 A novel logic-based framework for representing the syntax-semantics interface of natural language, applicable to a range of phenomena. In this book, Yusuke Kubota and Robert Levine propose a type-logical version of categorial grammar as a viable alternative model of natural language syntax and semantics. They show that this novel logic-based framework is applicable to a range of phenomena--especially in the domains of coordination and ellipsis--that have proven problematic for traditional approaches.

Japanese Current Research 1986

Language Policy in Japan Nanette Gottlieb 2011-11-10 Over the last thirty years, two social developments have occurred that have led to a need for change in language policy in Japan. One is the increase in the number of migrants needing opportunities to learn Japanese as a second language, the other is the influence of electronic technologies on the way Japanese is written. This book looks at the impact of these developments on linguistic behaviour and language management and policy, and at the role of language ideology in the way they have been addressed. Immigration-induced demographic changes confront long cherished notions of national monolingualism and technological advances in electronic text production have led to textual practices with ramifications for script use and for literacy in

general. The book will be welcomed by researchers and professionals in language policy and management and by those working in Japanese Studies.

Adsorption and Diffusion Hellmut G. Karge 2008-06-17 "Molecular Sieves - Science and Technology" covers, in a comprehensive manner, the science and technology of zeolites and all related microporous and mesoporous materials. The contributions are grouped together topically in such a way that each volume deals with a specific sub-field. Volume 7 treats fundamentals and analyses of adsorption and diffusion in zeolites including single-file diffusion. Various methods of measuring adsorption and diffusion are described and discussed.

Viscoelasticity Juan De Vicente 2012-11-07 This book contains a wealth of useful information on current research on viscoelasticity. By covering a broad variety of rheology, non-Newtonian fluid mechanics and viscoelasticity-related topics, this book is addressed to a wide spectrum of academic and applied researchers and scientists but it could also prove useful to industry specialists. The subject areas include, theory, simulations, biological materials and food products among others.

Human-Computer Interaction. User Interface Design, Development and Multimodality Masaaki Kurosu 2017-06-28 The two-volume set LNCS 10271 and 10272 constitutes the refereed proceedings of the 19th International Conference on Human-Computer Interaction, HCII 2017, held in Vancouver, BC, Canada, in July 2017. The total of 1228 papers presented at the 15 colocated HCII 2017 conferences was carefully reviewed and selected from 4340 submissions. The papers address the latest research and development efforts and highlight the human aspects

of design and use of computing systems. They cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The papers included in this volume cover the following topics: HCI theory and education; HCI, innovation and technology acceptance; interaction design and evaluation methods; user interface development; methods, tools, and architectures; multimodal interaction; and emotions in HCI.

Cognitive Development in Chimpanzees Tetsuro Matsuzawa 2006-07-25 From an evolutionary perspective, understanding chimpanzees offers a way of understanding the basis of human nature. This book on cognitive development in chimpanzees is the first of its kind to focus on infants reared by their own mothers within a natural setting, illustrating various aspects of chimpanzee cognition and the developmental changes accompanying them. The subjects are chimpanzees of three generations inhabiting an enriched environment, as well as a wild community in West Africa. There is a foreword by Jane Goodall and 26 color photos of chimpanzees in the laboratory and in the field in West Africa are included.

Make Life Visible Yoshiaki Toyama 2019-10-02 This open access book describes marked advances in imaging technology that have enabled the visualization of phenomena in ways formerly believed to be completely impossible. These technologies have made major contributions to the elucidation of the pathology of diseases as well as to their diagnosis and therapy. The volume presents various studies from molecular imaging to clinical imaging. It also focuses on innovative, creative, advanced research that gives full play to

imaging technology in the broad sense, while exploring cross-disciplinary areas in which individual research fields interact and pursuing the development of new techniques where they fuse together. The book is separated into three parts, the first of which addresses the topic of visualizing and controlling molecules for life. The second part is devoted to imaging of disease mechanisms, while the final part comprises studies on the application of imaging technologies to diagnosis and therapy. The book contains the proceedings of the 12th Uehara International Symposium 2017, "Make Life Visible" sponsored by the Uehara Memorial Foundation and held from June 12 to 14, 2017. It is written by leading scientists in the field and is an open access publication under a CC BY 4.0 license.

Malignant Pleural Mesothelioma Kenneth O'Byrne
2006-11-16 Malignant pleural mesothelioma, a malignancy due largely to asbestos exposure, represents an increasingly common challenge to clinical and medical oncologists, respiratory physicians, and cardiothoracic surgeons, as well as researchers in the field. The disease has yet to reach its peak and is expected to kill over 100,000 people worldwide. As malignant pleural mesothelioma gains in profile, Kenneth O'Byrne and Valerie Rusch present a comprehensive overview of the subject, aimed at all health care professionals who come into contact with patients with the disease. The book includes chapters on epidemiology, diagnosis, histopathology, radiology, surgery, chemotherapy, immune therapy, radiotherapy, and palliative medicine, written by an international team of contributors. A molecular biology section focuses on the carcinogenic effects of asbestos fibres and simian virus 40, angiogenesis and angiogenic growth factors, the immune response, and

genetic abnormalities detected in the disease. Future therapies are also covered, as is a perspective on the distinct legal issues related to the disease. This highly-illustrated, full colour book provides the ultimate, timely resource on this devastating disease.
Beyond the Lion's Den Ken Shamrock 2012-11-06 Inside the Lion's Den is the remarkable story of Ken Shamrock's ascent to the top of reality martial combat. A legendary Mixed Martial Arts (MMA) fighter and former professional wrestler, Shamrock is an inspiration to thousands. This is the story of his rise from a troubled youth to champion in the ring in both America and Asia. The first "King of Pancrase" in the Japanese fighting circuit, and the first "Superfight Champion" of the Ultimate Fighting Championship (UFC), Shamrock also founded the Lion's Den in Northern California, a facility that has trained many champion MMA fighters. Readers and fans will learn the secrets of Shamrock's ultra-efficient submissions fighting system and the training regimen that he and his trainees followed. With over 150 dynamic photos, Inside the Lion's Den is both an inspiring portrait of the fighter known as the "World's Most Dangerous Man" and an invaluable guide for the martial artist, novice and master alike.

Annual Plant Reviews, Seed Development, Dormancy and Germination Kent Bradford 2008-04-15 The formation, dispersal and germination of seeds are crucial stages in the life cycles of gymnosperm and angiosperm plants. The unique properties of seeds, particularly their tolerance to desiccation, their mobility, and their ability to schedule their germination to coincide with times when environmental conditions are favorable to their survival as seedlings, have no doubt contributed significantly to the success of seed-bearing plants. Humans are also

dependent upon seeds, which constitute the majority of the world's staple foods (e.g., cereals and legumes). Seeds are an excellent system for studying fundamental developmental processes in plant biology, as they develop from a single fertilized zygote into an embryo and endosperm, in association with the surrounding maternal tissues. As genetic and molecular approaches have become increasingly powerful tools for biological research, seeds have become an attractive system in which to study a wide array of metabolic processes and regulatory systems. Seed Development, Dormancy and Germination provides a comprehensive overview of seed biology from the point of view of the developmental and regulatory processes that are involved in the transition from a developing seed through dormancy and into germination and seedling growth. It examines the complexity of the environmental, physiological, molecular and genetic interactions that occur through the life cycle of seeds, along with the concepts and approaches used to analyze seed dormancy and germination behavior. It also identifies the current challenges and remaining questions for future research. The book is directed at plant developmental biologists, geneticists, plant breeders, seed biologists and graduate students.

HCI International 2020 - Posters Constantine Stephanidis 2020-07-15 The three-volume set CCIS 1224, CCIS 1225, and CCIS 1226 contains the extended abstracts of the posters presented during the 21st International Conference on Human-Computer Interaction, HCII 2020, which took place in Copenhagen, Denmark, in July 2020.* HCII 2020 received a total of 6326 submissions, of which 1439 papers and 238 posters were accepted for publication in the pre-conference proceedings after a careful reviewing process. The 238 papers presented in

these three volumes are organized in topical sections as follows: Part I: design and evaluation methods and tools; user characteristics, requirements and preferences; multimodal and natural interaction; recognizing human psychological states; user experience studies; human perception and cognition. -AI in HCI. Part II: virtual, augmented and mixed reality; virtual humans and motion modelling and tracking; learning technology. Part III: universal access, accessibility and design for the elderly; smartphones, social media and human behavior; interacting with cultural heritage; human-vehicle interaction; transport, safety and crisis management; security, privacy and trust; product and service design. *The conference was held virtually due to the COVID-19 pandemic. The chapter "Developing an Interactive Tabletop Mediated Activity to Induce Collaboration by Implementing Design Considerations Based on Cooperative Learning Principles" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Korean Syntax and Semantics EunHee Lee 2019-01-10 Korean has proven to be an invaluable language to theoretical linguists, providing abundant examples of, and counterexamples to, key theoretical issues at the forefront of modern linguistic theories. Exploring the Korean language from both a syntactic and semantic perspective, this book provides an up-to-date linguistic analysis of its structure, combining Minimalist Syntax with accompanying compositional formal semantics. EunHee Lee's detailed chapters cover the core architecture and phenomena of Korean, looking at the lexical layer, the functional layer, nominal structure, movements and complex clauses. A broad range of empirically and theoretically important phenomena are discussed,

enabling students and professional linguists alike to understand the workings of the language in current theoretical frameworks. The book also includes discussion questions, exercises and a list of further reading to solidify the theoretical concepts, stimulate thinking and develop the ability to analyze Korean using theoretical tools.

UFC's Ultimate Warriors Jeremy Wall 2005 A profile of some of the world's most phenomenal athletes in a sport that combines finesse and sportsmanship - and brutality and violence like almost no other. Wall details the struggles of the Ultimate Fighting Championship (UFC)'s ten greatest fighters to become mixed martial artists. With references to legendary figures from all walks of the fighting life - Royce Gracie, Frank Shamrock and Randy Couture included - UFC's Ultimate Warriors is a serious contribution to the library of any fan.

Rugby World Cup 1987 - 2019: Complete Results and Statistics Simon Barclay 2019-11-03 South Africa's victory over England in the Yokohama final brought to close a thrilling 2019 Rugby World Cup. This 443 page book is a statistical record of every match played in the nine world cups since 1987 and then concentrates on the 2019 tournament, with each pool and knock-out phase match, full information on the worldwide qualifying competitions, each country's squads, followed by records from both the 2019 tournament and across history of the competition.

Early-Middle Pleistocene Transitions Geological Society of London 2005 The Early-Middle Pleistocene transition (around 1.2 to 0.5 Ma) marks a profound shift in Earth's climate state. Low-amplitude 41 ka climate cycles, dominating the earlier part of the Pleistocene, gave way progressively to a 100 ka rhythm of increased amplitude

that characterizes our present glacial-interglacial world. This volume assesses the biotic and physical response to this transition both on land and in the oceans: indeed it examines the very nature of Quaternary climate change. Milankovitch theory, palaeoceanography using isotopes and microfossils, marine organic geochemistry, tephrochronology, the record of loess and soil deposition, terrestrial vegetational change, and the migration and evolution of hominins as well as other large and small mammals, are all considered. These themes combine to explore the very origins of our present biota.

Japanese Art After 1945 Alexandra Munroe 1996-09-01 The exhibition, 'Japanese Art After 1945: Scream Against the Sky, ' is an interpretive survey of the last fifty years of Japanese avant-garde art. It is a great pleasure for The Japan Foundation to be co-organizer of the American tour, which travels to the Guggenheim Museum SoHo, New York and the San Francisco Museum of Modern Art in association with the Center for the Arts at Yerba Buena Gardens.

Linguistics and Language Behavior Abstracts 2008

HANAMONOGATARI NISIOISIN 2019-10-08 Our sorry hero, his reformed girlfriend, and the amnesiac class president have all graduated from their high school out in the boondocks, and self-described Sapphist and ex-basketball ace Kanbaru, retired by reason of an "injury," is starting her senior year and the narrator of this volume—her voice far more introspective than the smutty jock's we thought we knew. Bereft of the company of her beloved mentors, the only other person around her with any working knowledge of aberrations the junior Ogi Oshino, apparently a relative of the Hawaiian-shirted folklorist, she feels a bit alone and blue, and sick

with dread that the devil residing in her left arm courtesy of the Monkey's Paw might act up again while she sleeps. Investigating a rumor that she fears might lead back to her, the former star ends up peering into an abyss of negativity called Roka—a "wax flower" to take the characters' meaning. Trapped in a pit the like of which could only be escaped by the one girl who was able to pull off slam-dunks in her basketball nationals, can the penitent Kanbaru, however, still be aggressive?

Art, Anti-art, Non-art Reiko Tomii 2007 Collaborative, ephemeral, self-reflective, multidisciplinary--the work generated by the rapid series of experimental artistic movements that energized the public sphere in postwar Japan was anything but private, static, or expected, despite the enduring engagement of Japanese artists with Western modernism. For two decades, a small but progressive group of visual artists, musicians, dancers, theater performers, and writers variously confronted the fraught legacy of World War II in Japan, which included occupation by a foreign power, growing economic inequality, and the clash between repressive social mores and an increasingly industrialized, urban, and consumer-oriented culture. Art, Anti-Art, Non-Art offers an introduction to this highly charged and innovative era in Japanese artistic practice. Published in conjunction with an exhibition on view at the Getty Research Institute from March 6 to June 3, 2007, this catalogue features objects, books, periodicals, photographs, and other ephemera created by artists associated with Experimental Workshop, Gutai, High Red Centre, Neo Dada, Provoke, Tokyo Fluxus, and VIVO, among others.

Index of Patents Issued from the United States Patent and Trademark Office 1993

Nanoparticle Technology Handbook Makio Naito 2007-10-19 Nanoparticle technology, which handles the preparation, processing, application and characterisation of nanoparticles, is a new and revolutionary technology. It becomes the core of nanotechnology as an extension of the conventional Fine Particle / Powder Technology. Nanoparticle technology plays an important role in the implementation of nanotechnology in many engineering and industrial fields including electronic devices, advanced ceramics, new batteries, engineered catalysts, functional paint and ink, Drug Delivery System, biotechnology, etc.; and makes use of the unique properties of the nanoparticles which are completely different from those of the bulk materials. This new handbook is the first to explain complete aspects of nanoparticles with many application examples showing their advantages and advanced development. There are handbooks which briefly mention the nanosized particles or their related applications, but no handbook describing the complete aspects of nanoparticles has been published so far. The handbook elucidates of the basic properties of nanoparticles and various nanostructural materials with their characterisation methods in the first part. It also introduces more than 40 examples of practical and potential uses of nanoparticles in the later part dealing with applications. It is intended to give readers a clear picture of nanoparticles as well as new ideas or hints on their applications to create new materials or to improve the performance of the advanced functional materials developed with the nanoparticles. * Introduces all aspects of nanoparticle technology, from the fundamentals to applications. * Includes basic information on the preparation through to the

characterization of nanoparticles from various viewpoints * Includes information on nanostructures, which play an important role in practical applications. *The Anime Encyclopedia, 3rd Revised Edition* Jonathan Clements 2015-02-09 "Impressive, exhaustive, labyrinthine, and obsessive—The Anime Encyclopedia is an astonishing piece of work."—Neil Gaiman Over one thousand new entries . . . over four thousand updates . . . over one million words. . . This third edition of the landmark reference work has six additional years of information on Japanese animation, its practitioners and products, plus incisive thematic entries on anime history and culture. With credits, links, cross-references, and content advisories for parents and libraries. Jonathan Clements has been an editor of Manga Max and a contributing editor of Newtype USA. Helen McCarthy was founding editor of Anime UK and editor of Manga Mania.

ECAI 2016 G.A. Kaminka 2016-08-24 Artificial Intelligence continues to be one of the most exciting and fast-developing fields of computer science. This book presents the 177 long papers and 123 short papers accepted for ECAI 2016, the latest edition of the biennial European Conference on Artificial Intelligence, Europe's premier venue for presenting scientific results in AI. The conference was held in The Hague, the Netherlands, from August 29 to September 2, 2016. ECAI 2016 also incorporated the conference on Prestigious Applications of Intelligent Systems (PAIS) 2016, and the Starting AI Researcher Symposium (STAIRS). The papers from PAIS are included in this volume; the papers from STAIRS are published in a separate volume in the Frontiers in Artificial Intelligence and Applications (FAIA) series. Organized by the European Association for

Artificial Intelligence (EurAI) and the Benelux Association for Artificial Intelligence (BNVKI), the ECAI conference provides an opportunity for researchers to present and hear about the very best research in contemporary AI. This proceedings will be of interest to all those seeking an overview of the very latest innovations and developments in this field.

Official Gazette of the United States Patent and Trademark Office United States. Patent and Trademark Office 2001

Milestones in Water Reuse Valentina Lazarova 2013-01-15 Milestones in Water Reuse: The Best Success Stories illustrates the benefits of water reuse in integrated water resources management and its role for water cycle management, climate change adaptation and water in the cities of the future. Selected case studies are used to illustrate the different types of water reuse, i.e. agricultural irrigation, golf course and landscape irrigation, urban and industrial uses, environmental enhancement, as well as indirect and direct potable reuse. The various aspects related to water reuse are covered, including treatment technologies, water quality, economics, public acceptance, benefits, keys for success and main constraints. These international case studies highlight the best practices for the implementation of water reuse and provide the perspective for the integration of water recycling projects in the future, both for megacities and rural areas. Milestones in Water Reuse: The Best Success Stories demonstrates that planned water reuse is a cost competitive and energy-saving option to increase water availability and reliability. This book provides policy makers and regulators with a good understanding of water reuse and helps them to consider recycled water as safe

and how it can be used. It is intended to be read by all people in the water sector and shows how water reuse is safe, economically viable, environmentally friendly and can provide high social benefits. Editors: Valentina Lazarova, Suez Environnement, France Takashi Asano, University of California at Davis, USA Akica Bahri, African Development Bank, Tunisia John Anderson, Afton Water, Australia

Preventing Suicide Who 2015-01-31 "Suicides are preventable. Even so, every 40 seconds a person dies by suicide somewhere in the world and many more attempt suicide. Suicides occur in all regions of the world and throughout the lifespan. Notably, among young people 15-29 years of age, suicide is the second leading cause of death globally. Suicide impacts on the most vulnerable of the world's populations and is highly prevalent in already marginalized and discriminated groups of society. It is not just a serious public health problem in developed countries; in fact, most suicides occur in low- and middle-income countries where resources and services, if they do exist, are often scarce and limited for early identification, treatment and support of people in need. These striking facts and the lack of implemented timely interventions make suicide a global public health problem that needs to be tackled imperatively. This report is the first WHO publication of its kind and brings together what is known in a convenient form so that immediate actions can be taken. The report aims to increase the awareness of the public health significance of suicide and suicide attempts and to make suicide prevention a higher priority on the global public health agenda. It aims to encourage and support countries to develop or strengthen comprehensive suicide prevention strategies in a

multisectoral public health approach. For a national suicide prevention strategy, it is essential that governments assume their role of leadership, as they can bring together a multitude of stakeholders who may not otherwise collaborate. Governments are also in a unique position to develop and strengthen surveillance and to provide and disseminate data that are necessary to inform action. This report proposes practical guidance on strategic actions that governments can take on the basis of their resources and existing suicide prevention activities. In particular, there are evidence-based and low-cost interventions that are effective, even in resource-poor settings. This publication would not have been possible without the significant contributions of experts and partners from all over the world. We would like to thank them for their important work and support. The report is intended to be a resource that will allow policy-makers and other stakeholders to make suicide prevention an imperative. Only then can countries develop a timely and effective national response and, thus, lift the burden of suffering caused by suicide and suicide attempts from individuals, families, communities and society as a whole."--Preface, page 03.

Human-Computer Interaction. Interaction Contexts Masaaki Kurosu 2017-06-28 The two-volume set LNCS 10271 and 10272 constitutes the refereed proceedings of the 19th International Conference on Human-Computer Interaction, HCII 2017, held in Vancouver, BC, Canada, in July 2017. The total of 1228 papers presented at the 15 colocated HCII 2017 conferences was carefully reviewed and selected from 4340 submissions. The papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. They cover the entire field of Human-Computer

Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The papers included in this volume cover the following topics: games in HCI; mobile and wearable interaction; HCI, children and learning; and HCI in complex human environments.

Uncle Vanya Anton Chekhov 2016-03-02 Nothing's new Everything's old. I'm exactly the same as ever Only more lazy More aimless More curmudgeonly...' One of the high points of world drama, Chekhov's bittersweet tale of frustrated lives and unrequited loves - by turns witty, playful, nostalgic and tragic - is captured in all its complexity by Bryony Lavery's spirited, sharply-written adaptation, first produced at Birmingham Rep in 2007.

Japan Trade Monthly 1960

Rotary Blood Pumps Hikaru Matsuda 2012-12-06 Rotary blood pumps increasingly are being used in open heart surgery and in assisted circulation for patients with heart disease. These rotary devices include vortex (centrifugal) and axial pumps, which can be utilized in conditions where the use of conventional pulsatile pumps would entail problems of cost and size. Rapid progress is now being made in developing new devices for controlling blood flow within the heart and great vessels as well as extracorporeally for use in coronary and intensive care units and, in the future, for long-term use. This book provides information on the physiology of nonpulsatile circulation, the development of rotary pump engineering, and the clinical application of rotary blood pumps. It also presents an overview of future developments in this important field.

Bone and Cartilage Regeneration Phuc Van Pham 2017-01-24 This invaluable resource discusses clinical applications with effects and side-effects of applications of stem

cells in bone and cartilage regeneration. Each chapter is contributed by a pre-eminent scientist in the field and covers such topics as skeletal regeneration by mesenchymal stem cells, clinical improvement of mesenchymal stem cell injection in injured cartilage and osteoarthritis, Good manufacturing practice (GMP), minimal criteria of stem cells for clinical applications, future directions of the discussed therapies and much more. Bone & Cartilage Regeneration and the other books in the Stem Cells in Clinical Applications series will be invaluable to scientists, researchers, advanced students and clinicians working in stem cells, regenerative medicine or tissue engineering.

The Tale of Tea George L. van Driem 2020-12-11 The Tale of Teas the saga of globalisation. Tea gave birth to paper money, the Opium Wars and Hong Kong, triggered the Anglo-Dutch wars and the American war of independence, shaped the economies and military history of Táng and Sòng China and moulded Chinese art and culture. Whilst black tea dominates the global market today, such tea is a recent invention. No tea plantations existed in the world's largest black tea producing countries, India, Kenya and Sri Lanka, when the Dutch and the English went to war about tea in the 17th century. This book replaces popular myths about tea with recondite knowledge on the hidden origins and detailed history of today's globalised beverage in its many modern guises.

Continuations and Natural Language Chris Barker 2014 This book takes concepts developed by researchers in theoretical computer science and adapts and applies them to the study of natural language meaning. Summarizing more than a decade of research, Chris Barker and Chung-chieh Shan put forward the Continuation Hypothesis: that the meaning of a natural language expression can depend

on its own continuation. In Part I, the authors develop a continuation-based theory of scope and quantificational binding and provide an explanation for order sensitivity in scope-related phenomena such as scope ambiguity, crossover, superiority, reconstruction, negative polarity licensing, dynamic anaphora, and donkey anaphora. Part II outlines an innovative substructural logic for reasoning about continuations and proposes an analysis of the compositional semantics of adjectives such as 'same' in terms of parasitic and recursive scope. It also shows that certain cases of ellipsis should be treated as anaphora to a continuation, leading to a new explanation for a subtype of sluicing known as sprouting. The book makes a significant contribution to work on scope, reference, quantification, and other central aspects of semantics and will appeal to semanticists in linguistics and philosophy at graduate level and above.

Metastatic Cancer: Clinical and Biological Perspectives

Rahul Jandial 2013-08-08 Most cancer deaths are a result of metastasis. The spread of a primary tumor to colonize neighboring and distant organs is the relentless endgame that defines the neoplastic process. Patients who have been diagnosed with cancer are treated to prevent both the recurrence of the tumor at the site of origin and metastasis that would re-stage them as advanced stage IV cancer. Historically and still with some types of cancer, stage IV is perceived by patients as "terminal." Fortunately, recent molecular therapies have extended the lives of patients with advanced cancer and reassuringly people living with metastatic disease

increasingly visit our clinics. What is the path forward? Given that the consilience of science and medicine is a dynamic art from which therapies arise, it would be misguided to consider any single work adequate at capturing the horizon for research. So with humility we constructed this text as primer for scientists. It begins with a broad introduction to the clinical management of common cancers. This is intended to serve as a foundation for investigators to consider when developing basic science hypotheses. Unquestionably, medical and surgical care of cancer patients reveals biology and dictates how novel therapeutics will ultimately be evaluated in clinical trials. The second section of this text offers provocative and evolving insights that underscore the breadth of science involved in the elucidation of cancer metastasis biology. The text concludes with information that integrates scientific and clinical foundations to highlight translational research. This book serves as a framework for scientists to conceptualize clinical and translational knowledge on the complexity of disease that is metastatic cancer.

New Frontiers in Artificial Intelligence Maki Sakamoto 2020-09-13 This book constitutes extended, revised and selected papers from the 11th International Symposium of Artificial Intelligence supported by the Japanese Society for Artificial Intelligence, JSAI-isAI 2019. It was held in November 2019 in Yokohama, Japan. The 26 papers were carefully selected from 46 submissions and deal with topics of AI research and are organized into 4 sections, according to the 4 workshops: JURISIN 2019, AI-Biz 2019, LENLS 16, and Kansei-AI 2019.