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First multi-year cumulation covers six years: 1965-70.

The IMF's principal statistical publication, International Financial Statistics (IFS) Online, is the standard source of international statistics on all aspects of international and domestic finance. For most countries, IFS Online reports data on balance of payments, international investment position, international liquidity, monetary and financial statistics, exchange rates, interest rates, prices, production, government accounts, national accounts, and population. Updated monthly.

Markenliebe gilt als die intensivste Form aller Konsumenten-Markenbeziehungen. Jochen Kühn untersucht, ob nur ein oder mehrere Typen von Markenliebe existieren. Um diese Forschungslücke zu schließen, wurden eine qualitative und zwei quantitative Studien durchgeführt. Der Autor identifiziert sechs verschiedene Typen von Markenliebe: selbstwertsteigernde Markenliebe, hedonistische Markenliebe, harmonische Markenliebe, selbstbestimmende Markenliebe, leistungssteigernde Markenliebe und bewahrende Markenliebe. Die Studien liefern wichtige Forschungs- und Praxisimplikationen u.a. zur Gestaltung des Marketing-Mix, um Markenliebe gezielt aufzubauen und aufrechtzuerhalten.

This review examines all the key physical processes involved in the formation and evolution of the Milky Way, based on an international meeting held in Granada (Spain).

Juristische Texte sind schwer zu verstehen, insbesondere – aber nicht nur – für juristische Laien. Dieser Band beleuchtet diese These ausgehend von linguistischen Verständlichkeitsmodellen und kognitionswissenschaftlichen Modellen der menschlichen Textverarbeitung. Anhand von Aufzeichnungen von Blickbewegungen beim Lesen, einem sogenannten Lesekorpus, werden umfangreiche statistische Modelle berechnet. Diese geben Auskunft über Fragen psycholinguistischer Grundlagenforschung auf der Wort-, Satz- und Textebene. Ferner untersucht er, wie sich Auswirkungen von Reformulierungen auf den Verstehensprozess auswirken. Dabei stehen bekannte Komplexitätsmarker deutscher juristischer Texte im Fokus: Nominalisierungen, komplexe Nominalphrasen und syntaktisch komplexe Texte.

Diagnostic Reference Index of Clinical Neurology aims to give the busy clinician a fast, easy-to-use guide to the core neurological literature published from 1980 to 1986. This book is divided into two sections, key words and references. The keywords section consists of neuroscience terms and each main entry is followed by reference citation numbers and corresponding references. This index, unlike the usual computerized systems for literature retrieval, is structured around clinical problems and uses the approach and terminology of a practicing neurologist. The contents were sources from the full text of articles that were published in critical core of fourteen major international English-language journals in medicine and neurology. This book will be of interest to neurology students and to practicing clinical neurologists.

This book constitutes the thoroughly refereed post-workshop proceedings of the 6th International Workshop on Modelling and Simulation for Autonomous Systems, MESAS 2019, held in Palermo, Italy, in October 2019. The 22 full papers and 13 short

papers included in the volume were carefully reviewed and selected from 53 submissions. They are organized in the following topical sections: M&S of intelligent systems - AI, R&D and application; future challenges of advanced M&S technology; AxS in context of future warfare and security environment (concepts, applications, training, interoperability, etc.).

This book constitutes the most visionary papers of the AAMAS 2016 Workshops, held in Singapore, Singapore, in May 2016. The 12 revised full papers presented were carefully reviewed and selected from the 12 workshops. They cover specific topics, both theoretical and applied, in the general area of autonomous agents and multiagent systems.

The volume contains 23 papers read at the international conference "Historical Corpora 2012", which was hosted by the LOEWE Research Cluster "Digital Humanities" of the State of Hesse at the University of Frankfurt on December 6-8, 2012. The papers, which include three keynote speeches, have been duly updated for the present volume. The contributions take a broad variety of perspectives on "historical corpora", including their structuring, their management, and various other facets. In addition to this, they cover a large amount of different languages, extending from German - in nearly all its historical facets - across the Romance languages into the Caucasus and from the recent past down into antiquity. Differences also concern the linguistic interests prevailing in the papers, which may focus on syntactic, semantic, pragmatic, lexicological or other phenomena.

Comparison with other people, a core element of social life, influences self-concept, attitudes, conformity, psychological and physical well-being, achievement, educational outcomes, and social movements. Social comparison has become particularly salient as social and income inequalities have been increasingly recognized in the United States and elsewhere globally. This volume presents classic and state-of-the-science chapters by leading experts that survey the major areas of social comparison theory and research. Authored by noted experts, the volume is divided into three sections: Basic Comparison Processes, Neighboring Fields, and Applications. The first section is comprised of chapters that update classic theories and present contemporary advances, such as the dominating effect of local versus global comparisons, an analysis of the psychology of competition, how comparisons across different domains influence self-concept and achievement, and the integral connections between stereotyping and comparison. The second section introduces perspectives from related fields, such as the decision and network sciences, that shed new light on social comparison. The third section focuses on practical applications of comparison, including relative deprivation, health psychology, the effects of income inequality on well-being, and the relationship of power to comparison. This volume is a must-read for anyone interested in the field of social comparison and its implications for everyday life.

The volume investigates the syntagmatic relations of certain Finnish emotion verbs that are formed by the derivational suffix -ua/-yä (e.g. suuttua get angry, pelästyä get frightened). Prototypically, the suffix expresses reflexivity, but in the case of the inchoative emotion verbs, it indicates a change of state on behalf of the experiencer, from a non-emotional state to an emotional state. The starting point of the investigation is a discussion of different psychological theories of emotion. The discussion shows that constructivist theories particularly emphasize the role of language and offer several links to the cognitive, usage-based model of language that constitutes the theoretical

framework guiding the thesis. With regard to the usage-based model, special focus will be put on argument structures and stimulus nouns. The empirical part makes use of different forms of co-occurrence analysis in order to shed light the syntagmatic relations of the inchoative emotion verbs. Inchoative Emotion Verbs in Finnish won the 2019 Doctoral Dissertation Award of the Society for the Study of Finnish (Kotikielen Seura).

The Encyclopedia of Cell Biology offers a broad overview of cell biology, offering reputable, foundational content for researchers and students across the biological and medical sciences. This important work includes 285 articles from domain experts covering every aspect of cell biology, with fully annotated figures, abundant illustrations, videos, and references for further reading. Each entry is built with a layered approach to the content, providing basic information for those new to the area and more detailed material for the more experienced researcher. With authored contributions by experts in the field, the Encyclopedia of Cell Biology provides a fully cross-referenced, one-stop resource for students, researchers, and teaching faculty across the biological and medical sciences. Fully annotated color images and videos for full comprehension of concepts, with layered content for readers from different levels of experience Includes information on cytokinesis, cell biology, cell mechanics, cytoskeleton dynamics, stem cells, prokaryotic cell biology, RNA biology, aging, cell growth, cell Injury, and more In-depth linking to Academic Press/Elsevier content and additional links to outside websites and resources for further reading A one-stop resource for students, researchers, and teaching faculty across the biological and medical sciences

Der am Böhmenhof Wenzels II. (1278-1305) von Ulrich von Etzenbach verfasste Roman ist eine mytho-poetische Preisdichtung auf die böhmische Dynastie und das Land Böhmen. Man hat ihn als 'Schlüsselroman', als Legende und als Stilimitat Wolframs gelesen, doch solche Schlagworte greifen zu kurz. Das Protagonistenpaar Wilhelm und Bene regiert in einer auf die Spätantike weisenden Vorzeit das noch heidnische Wenden, bis durchziehende Pilger Wilhelm zur Nachfolge Christi inspirieren. Der abrupte Aufbruch ins Heilige Land, wo Wilhelm sich taufen lässt und für den Patriarchen von Jerusalem gegen die Heiden kämpft, kollidiert mit Wilhelms Pflichten als Landesherr und Dynast, ohne dass die konfligierenden Wert- und Normkategorien narrativ harmonisiert würden: Die Spannung zwischen Herrschafts- und Legendendiskurs durchzieht das gesamte Werk, wobei Bene und Wilhelm ganz unterschiedliche Positionen abstecken. Diese Konzeption macht den Roman zum höfisch-didaktischen Planspiel, in dem der scheinbar ideale Held sehr problematische Züge annimmt, während Bene zur eigentlichen Sympathieträgerin und Protagonistin wird. Der wichtige Roman der höfischen 'Nachklassik' wird hier erstmals in einer Studienausgabe mit Kommentar und Übersetzung vorgelegt.

Verstehen und Verständlichkeit juristisch-fachsprachlicher Texte Narr Francke Attempto Verlag

This bibliography lists the most important works published in economics in 1993. Renowned for its international coverage and rigorous selection procedures, the IBSS provides researchers and librarians with the most comprehensive and scholarly bibliographic service available in the social sciences. The IBSS is compiled by the British Library of Political and Economic Science at the London School of Economics, one of the world's leading social science institutions. Published annually, the IBSS is available in four subject areas: anthropology, economics, political science and sociology.

Controller werden mit immer komplexeren Aufgaben betraut. Für Recruiting, Qualifizierung oder passgenaue Stellenzuordnung muss das Anforderungsprofil von Controllern bekannt sein. Anton Preis untersucht an Hand von drei Industrieunternehmen, welche Anforderungen an Controller in welchen Situationen gestellt werden und analysiert die

dahinter liegenden Gründe. In Interviews mit Praktikern aus Controlling, Management und dem Personalbereich wird deutlich, was ein Controller alles können muss, um erfolgreich im Unternehmen zu agieren. Dabei sind nicht nur fachliche, sondern insbesondere auch persönliche Fähigkeiten entscheidend.

Published in 1824-9, this two-volume guide to astronomical observation and calculation was among the first to appear in English.

This series of books, "Readings from the Encyclopedia of Neuroscience." consists of collections of subject-clustered articles taken from the Encyclopedia of Neuroscience. The Encyclopedia of Neuroscience is a reference source and compendium of more than 700 articles written by world authorities and covering all of neuroscience. We define neuroscience broadly as including all those fields that have as a primary goal the understanding of how the brain and nervous system work to mediate/control behavior, including the mental behavior of humans. Those interested in specific aspects of the neurosciences, particular subject areas or specialties, can of course browse through the alphabetically arranged articles of the Encyclopedia or use its index to find the topics they wish to read. However, for those readers-students, specialists, or others-who will find it useful to have collections of subject-clustered articles from the Encyclopedia, we issue this series of "Readings" in paperback. Students in neuroscience, psychology, medicine, biology, the mental health professions, and other disciplines will find that these collections provide concise summaries of cutting edge research in rapidly advancing fields. The nonspecialist reader will find them useful summary statements of important neuroscience areas. Each collection was compiled, and includes an introductory essay, by an authority in that field.

The ability to genetically engineer oncolytic viruses in order to minimize side effects and improve the selective targeting of tumor cells has opened up novel opportunities for treating cancer. Understanding the mechanisms involved and the complex interaction between the viruses and the immune system will undoubtedly help guide the development of new strategies. Theranostic biomarkers to monitor these therapies in clinical trials serve an important need in this innovative field and demand further research.

This book summarizes the author's research resulted in developing the satellite radiothermvision approach which allows retrieving dynamical and energy characteristics of atmospheric mesoscale and synoptic-scale processes based on a close scheme of satellite passive radiometry data processing. The book introduces new applications of the satellite passive microwave observations to detailed systematic study of tropical cyclones' evolution, climatology and characteristics of atmospheric river, parameters of global atmospheric circulation and their variations on climatically significant scales. The results presented in the book demonstrate a clear relation between the convergence/divergence of

latent heat from the lower atmosphere to the center of tropical cyclone with variations of its intensity and provide a better insight into the tropical cyclone dynamical energy balance based on remote data.

Bioconjugate Techniques, 3rd Edition, is the essential guide to the modification and cross linking of biomolecules for use in research, diagnostics, and therapeutics. It provides highly detailed information on the chemistry, reagent systems, and practical applications for creating labeled or conjugate molecules. It also describes dozens of reactions, with details on hundreds of commercially available reagents and the use of these reagents for modifying or crosslinking peptides and proteins, sugars and polysaccharides, nucleic acids and oligonucleotides, lipids, and synthetic polymers. Offers a one-stop source for proven methods and protocols for synthesizing bioconjugates in the lab Provides step-by-step presentation makes the book an ideal source for researchers who are less familiar with the synthesis of bioconjugates Features full color illustrations Includes a more extensive introduction into the vast field of bioconjugation and one of the most thorough overviews of immobilization chemistry ever presented

Annals of the International Geophysical Year, Volume 28: Tables of IGC Cosmic Ray Data, Part III contains tabulations of International Geophysical Cooperation's cosmic ray activity data. This book includes lists of stations and investigators from whom further information on the cosmic ray apparatus can be obtained. In order to prepare the data on the following pages for publication, the data are first put on punched cards and then checked for correctness essentially by repunching, thus minimizing errors of transcription and also facilitate some computations which have been made with some of the data. Tabulating machines are then used to print the data on standard forms and the data are photographed for reproduction. As a further insurance against errors, carbon copies of the data sheets are sent to all investigators to be checked. The data marked as verified in the table of contents have been returned to the data center and the corrections made. This book will prove useful to geophysical researchers.

The evolution of gravitational tests from an epistemological perspective framed in the concept of rational reconstruction of Imre Lakatos, based on his methodology of research programmes. Unlike other works on the same subject, the evaluated period is very extensive, starting with Newton's natural philosophy and up to the quantum gravity theories of today. In order to explain in a more rational way the complex evolution of the gravity concept of the last century, I propose a natural extension of the methodology of the research programmes of Lakatos that I then use during the paper. I believe that this approach offers a new perspective on how evolved over time the concept of gravity and the methods of testing each theory of gravity, through observations and experiments. I argue, based on the methodology of the research programmes and the studies of scientists and philosophers, that the current theories of quantum gravity are degenerative, due to the lack of experimental evidence over a long period of time and of self-immunization against the possibility of falsification. Moreover, a methodological current is being developed that assigns a secondary, unimportant role to verification through observations and/or experiments. For this reason, it will not be possible to have a complete theory of quantum gravity in its current form, which to include to the limit the general relativity, since physical theories have always been adjusted, during their evolution, based on observational or experimental tests, and verified by the predictions made. Also, contrary to a widespread opinion and current active programs regarding the unification of all the fundamental forces of physics in a single final theory, based on string theory, I argue that this unification is generally unlikely, and it is not possible anyway for a unification to be developed based on current theories of quantum gravity, including string theory. In addition, I support the views of some scientists and philosophers that currently too much resources are being consumed on the idea of developing quantum

gravity theories, and in particular string theory, to include general relativity and to unify gravity with other forces, as long as science does not impose such research programs. CONTENTS: Introduction Gravity Gravitational tests Methodology of Lakatos - Scientific rationality The natural extension of the Lakatos methodology Bifurcated programs Unifying programs 1. Newtonian gravity 1.1 Heuristics of Newtonian gravity 1.2 Proliferation of post-Newtonian theories 1.3 Tests of post-Newtonian theories 1.3.1 Newton's proposed tests 1.3.2 Tests of post-Newtonian theories 1.4 Newtonian gravity anomalies 1.5 Saturation point in Newtonian gravity 2. General relativity 2.1 Heuristics of the general relativity 2.2 Proliferation of post-Einsteinian gravitational theories 2.3 Post-Newtonian parameterized formalism (PPN) 2.4 Tests of general relativity and post-Einsteinian theories 2.4.1 Tests proposed by Einstein 2.4.2 Tests of post-Einsteinian theories 2.4.3 Classic tests 2.4.3.1 Precision of Mercury's perihelion 2.4.3.2 Light deflection 2.4.3.3 Gravitational redshift 2.4.4 Modern tests 2.4.4.1 Shapiro Delay 2.4.4.2 Gravitational dilation of time 2.4.4.3 Frame dragging and geodetic effect 2.4.4.4 Testing of the principle of equivalence 2.4.4.5 Solar system tests 2.4.5 Strong field gravitational tests 2.4.5.1 Gravitational lenses 2.4.5.2 Gravitational waves 2.4.5.3 Synchronization binary pulsars 2.4.5.4 Extreme environments 2.4.6 Cosmological tests 2.4.6.1 The expanding universe 2.4.6.2 Cosmological observations 2.4.6.3 Monitoring of weak gravitational lenses 2.5 Anomalies of general relativity 2.6 The saturation point of general relativity 3. Quantum gravity 3.1 Heuristics of quantum gravity 3.2 The tests of quantum gravity 3.3 Canonical quantum gravity 3.3.1 Tests proposed for the CQG 3.3.2. Loop quantum gravity 3.4 String theory 3.4.1 Heuristics of string theory 3.4.2. Anomalies of string theory 3.5 Other theories of quantum gravity 3.6 Unification (The Final Theory) 4. Cosmology Conclusions Notes Bibliography DOI: 10.13140/RG.2.2.35350.70724

Produced biennially, *The World's Water* is the most comprehensive and up-to-to date source of information and analysis on freshwater resources. Each new volume examines critical global trends and offers the best data available on a variety of topics related to water. Volume 8 features chapters on hydraulic fracturing (fracking), water footprints, sustainable water jobs, and desalination financing, among other timely issues. Water briefs provide concise updates on topics including the Dead-Sea and the role of water in the Syrian conflict. *The World's Water* is coauthored by MacArthur "genius" Peter H. Gleick and his colleagues at the world-renowned Pacific Institute. Since the first volume was published in 1998, the series has become an indispensable resource for professionals in government agencies and nongovernmental organizations, researchers, students, and anyone concerned with water and its use.

Vibrios are Gram-negative bacilli that occur naturally in marine, estuarine, and freshwater systems. Some species include human and animal pathogens capable of causing gastroenteritis, wound infections, cholera, and fatal septicemia. Over the past decades, cutting edge research on *Vibrio* genomics has promoted a tremendous advance in our knowledge of these pathogens. Significant developments include the discovery of emerging epidemic clones, tracking the spread of new strain variants, and an intensified appreciation of the role of mobile genetic elements in antibiotic resistance spread as well as pathogenesis. Furthermore, improved understanding of the interaction of *Vibrios* with a variety of living organisms in the aquatic environment has documented the significant role of environmental reservoirs in their seasonal cycle favoring persistence of the pathogen during inter-epidemic periods and enhancing disease transmission. This Research Topic is dedicated to our current understanding in these areas and will bring together leading experts in the field to provide a deep overview of *Vibrios* ecology and evolution, and will suggest the pathway of future research in this field.

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