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Energy Research Abstracts - 1981

Semiannual, with semiannual and annual indexes. References to all scientific and technical literature coming from DOE, its laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information. Arranged under 39 categories, e.g., Biomedical sciences, basic studies; Biomedical sciences, applied studies; Health and safety; and Fusion energy. Entry gives bibliographical information and abstract. Corporate, author, subject, report number indexes.

International Journal of Advanced Remote Sensing and GIS - Cloud Publications 2012-01-01
International Journal of Advanced Remote Sensing and GIS (IJARSG, ISSN 2320 - 0243) is an open-access peer-reviewed scholarly journal publishes original research papers, reviews, case study, case reports, and methodology articles in all aspects of Remote Sensing and GIS including associated fields. This Journal commits to working for quality and transparency in its publishing by following standard Publication Ethics and Policies.

Phonics Lessons - Gay Su Pinnell 2002-10

A Complete Phonics and Word Study Curriculum for each of the primary grades With 100 minilessons for each of the three grade levels, you can use the month-bymonth planning guide, the assessment checklists, and the lesson selection map to choose the lessons that align with your student's needs and the Word Study Continuum. The Continuum encompasses nine scientific categories of learning: · Early Literacy Concepts · High-Frequency Words · Phonological and Phonemic Awareness · Spelling Patterns · Letter Knowledge · Word Structure · Letter/Sound Relationships · Word-Solving Actions · Word Meaning Each 4-page lesson includes: 1. Professional Understandings Explanations of underlying principles research, and suggestions for working with English Language Learners 2. 3-part Lesson plan · Teach Step by step instructions for implementing the lesson · Apply Application activities and routines for teaching them · Share Guidelines for reinforcing principles and helping children share their learning 3. Follow-up Assessment links to literacy framework, extensions, and home connections

Strengthening Forensic Science in the United States - National Research Council 2009-07-29

Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of

systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Commerce Business Daily - 1998-07

Reading Success in the Primary Years - Marleen F. Westerveld 2020-05-19

This open access book describes the Reading Success project, in which a 5-step, assessment-to-intervention process, based on the Simple View of Reading, was used within a primary school setting in Australia to better support those students who struggle with reading. It provides an easily accessible overview of each step of the process involved in implementing this approach and highlights the crucial importance of collaboration between professionals involved in the teaching of reading within a school setting. It focuses on the decision-making processes used, such as rich dialogue with the leadership team and teachers, and shares participants' perspectives gathered throughout the project. Using case studies, the book describes how the 5-step approach assists in creating detailed profiles of students' strengths and weaknesses in spoken and written language skills that can be used to guide targeted intervention This book offers valuable insights for educators, speech pathologists, researchers, and pre-service teacher education students interested in the teaching of reading

Automatic Control in Aerospace - 1993

Alphabet Maze - Alphabet Mazes 2021-08-22

Alphabet Mazes Activity Book for Kids This fun Alphabet Mazes book is perfect for engaging young learners in letter recognition, whilst practising fine motor skills too. Each page focuses on one letter of the alphabet. Learners can view the correct letter formation, trace and write it. Then comes the really fun part . Mazes are a great activity that help develop hand-eye coordination, visual scanning, focus, fine motor skills used in handwriting and more Kids will enjoy various maze scenes of their favorite animals and places Contents: 1 Paperback book

Curriculum-Based Measurement - John Hosp 2012

This reference guide provides an overview of the purposes and uses of curriculum-based measurement (CBM), a standardized approach to assessing student performance in order to inform educational and instructional decision making. This guide is designed for teachers, administrators, and other educators who are considering using CBM, want an introduction to CBM, or need a quick and easy reference. It is also useful for educators to use with parents and students as an introduction to CBM. Written by two of the authors of the national bestseller, *The ABCs of CBM: A Practical Guide to Curriculum-Based Measurement*.

Scientific and Technical Aerospace Reports - 1994

Iterative Methods for Sparse Linear Systems - Yousef Saad 2003-04-01

Mathematics of Computing -- General.

Medical Imaging Physics - William R. Hendee 2003-04-14

This comprehensive publication covers all aspects of image formation in modern medical imaging modalities, from radiography, fluoroscopy, and computed tomography, to magnetic resonance imaging and ultrasound. It addresses the techniques and instrumentation used in the rapidly changing field of medical imaging. Now in its fourth edition, this text provides the reader with the tools necessary to be comfortable with the physical principles, equipment, and procedures used in diagnostic imaging, as well as appreciate the capabilities and limitations of the technologies.

Climate Change and Land - Intergovernmental Panel on Climate Change 2022-12-08

The Intergovernmental Panel on Climate Change (IPCC) is the leading international body for assessing the science related to climate change. It provides policymakers with regular assessments of the scientific basis of human-induced climate change, its impacts and future risks, and options for adaptation and mitigation. This IPCC Special Report on Climate Change and Land (SRCCL) is the most comprehensive and up-to-date scientific assessment of the multiple interactions between climate change and land, assessing climate change, desertification, land degradation, sustainable land management, food security, and greenhouse gas fluxes in terrestrial ecosystems. It assesses the options for governance and decision-making across multiple scales. It serves policymakers, decision makers, stakeholders, and all interested parties with unbiased, up-to-date, policy-relevant information. This title is also available as Open Access on Cambridge Core.

Computerworld - 1978-05-22

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Leveled Books (K-8) - Irene C. Fountas 2006

For ten years and in two classic books, Irene Fountas and Gay Su Pinnell have described how to analyze the characteristics of texts and select just-right books to use for guided reading instruction. Now, for the first time, all of their thinking and research has been updated and brought together into Leveled Books, K-8 to form the ultimate guide to choosing and using books from kindergarten through middle school. Fountas and Pinnell take you through every aspect of leveled books, describing how to select and use them for different purposes in your literacy program and offering prototype descriptions of fiction and nonfiction books at each level. They share advice on: the role of leveled books in reading instruction, analyzing the characteristics of fiction and nonfiction texts, using benchmark books to assess instructional levels for guided reading, selecting books for both guided and independent reading, organizing high-quality classroom libraries, acquiring books and writing proposals to fund classroom-library purchases, creating a school book room. In addition, Fountas and Pinnell explain the leveling process in detail so that you can tentatively level any appropriate book that you want to use in your instruction. Best of all, Leveled Books, K-8 is one half of a new duo of resources that will change how you look at leveled books. Its companion-www.FountasandPinnellLeveledBooks.com-is a searchable and frequently updated website that includes more than 18,000 titles. With Leveled Books, K-8 you'll know how and why to choose books for your readers, and with www.FountasandPinnellLeveledBooks.com, you'll have the ideal tool at your fingertips for finding appropriate books for guided reading. Book jacket.

The SAGE Handbook of Remote Sensing - Timothy A Warner 2009-06-18

'A magnificent achievement. A who's who of contemporary remote sensing have produced an engaging, wide-ranging and scholarly review of the field in just one volume' - Professor Paul Curran, Vice-Chancellor, Bournemouth University Remote Sensing acquires and interprets small or large-scale data about the Earth from a distance. Using a wide range of spatial, spectral, temporal, and radiometric scales Remote Sensing is a large and diverse field for which this

Handbook will be the key research reference. Organized in four key sections: • Interactions of Electromagnetic Radiation with the Terrestrial Environment: chapters on Visible, Near-IR and Shortwave IR; Middle IR (3-5 micrometers); Thermal IR ; Microwave • Digital sensors and Image Characteristics: chapters on Sensor Technology; Coarse Spatial Resolution Optical Sensors ; Medium Spatial Resolution Optical Sensors; Fine Spatial Resolution Optical Sensors; Video Imaging and Multispectral Digital Photography; Hyperspectral Sensors; Radar and Passive Microwave Sensors; Lidar • Remote Sensing Analysis - Design and Implementation: chapters on Image Pre-Processing; Ground Data Collection; Integration with GIS; Quantitative Models in Remote Sensing; Validation and accuracy assessment; • Remote Sensing Analysis - Applications: LITHOSPHERIC SCIENCES: chapters on Topography; Geology; Soils; PLANT SCIENCES: Vegetation; Agriculture; HYDROSPHERIC and CRYOSPHERIC SCIENCES: Hydrosphere: Fresh and Ocean Water; Cryosphere; GLOBAL CHANGE AND HUMAN ENVIRONMENTS: Earth Systems; Human Environments & Links to the Social Sciences; Real Time Monitoring Systems and Disaster Management; Land Cover Change Illustrated throughout, an essential resource for the analysis of remotely sensed data, the SAGE Handbook of Remote Sensing provides researchers with a definitive statement of the core concepts and methodologies in the discipline.

InfoWorld - 1995-01-09

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Recent Advances in Parallel Virtual Machine and Message Passing Interface - Dieter Kranzlmüller 2003-08-02

This book constitutes the refereed proceedings of the 9th European PVM/MPI Users'Group Meeting held in Linz, Austria in September/October 2002. The 50 revised full papers presented together with abstracts of 11 invited contributions were carefully reviewed and selected. The papers are organized in topical sections on Corss Grid, Par Sim, application using MPI and PVM, parallel algorithms using message passing, programming tools for MPI and PVM, implementations of MPI and PVM, extensions of MPI and PVM, and performance analysis and optimization.

Handbook of Human Factors and Ergonomics - Gavriel Salvendy 2021-09-22

HANDBOOK OF HUMAN FACTORS AND ERGONOMICS Discover the latest developments in ergonomics and human factors with the newest edition of this market leading reference In the newly revised Fifth Edition of Handbook of Human Factors and Ergonomics, Drs. Gavriel Salvendy and Waldemar Karwowski deliver a comprehensive exploration of workplace environment design, human-machine interfaces, and cutting-edge research on the reduction of health and safety risks. The editors have compiled practical material from an international team of leading experts in ergonomics and human factors that will benefit specialists in the area, as well as safety engineers and human-computer interaction specialists. The Handbook includes information culled from over 7500 sources and features brand new coverage in areas like artificial intelligence, social media, information technology and cybersecurity, and data analytics. Numerous case studies demonstrate the real-world application of the concepts and methods discussed within and showcase the extraordinary developments in the field since the publication of the Fourth Edition in 2012. Readers will also benefit from the inclusion of: A thorough introduction to the human factors function, including the discipline of human factors and ergonomics and human systems design and integration An exploration of the fundamentals of human factors, including sensation and perception, selection and action control, information processing, and mental workload Discussions of the design of equipment, tasks, jobs, and environments, including workplace design, task analysis and design, and training systems An in-depth treatment of design for health, safety, and comfort, including low-back and upper extremity musculoskeletal disorders and the use of personal protective equipment Perfect for ergonomics and human factors engineers at any level of their careers, Handbook of Human Factors and Ergonomics will also earn a place in the libraries of design engineers, applied psychologists, human-computer interaction specialists, engineering and technology managers, and safety professionals and industrial hygienists.

Fall Meeting - American Geophysical Union. Meeting 2005

Making RTI Work - Wayne Sailor 2009-10-12

Offers best practices for implementing RTI at the school-wide level-to ensure success for all learners Response-to-Intervention is now mandated at schools across the country. While there are a handful of books offering tips on implementation, schools are still struggling to find the best approaches. This book, from a prominent RTI researcher, explains how the most successful schools using RTI manage the process. Sailor offers best practices for implementing RTI not only at the classroom level, but also at the school-wide and district-wide levels, to ensure no student falls through the cracks and schools fulfill the promise of RTI. Offers clear guidance on implementing Response-to-Intervention effectively Reveals the framework used by the most successful schools using RTI Includes information on applying RTI for behavioral problems as well as academic challenges Contains illustrative examples of how the approach is applied at all levels, from individual student to school-wide and district-wide Written by a top researcher in the field of Response-to Intervention

Developmental Reading Assessment - Joetta Beaver 2003

Gives middle school teachers a range of tools to help monitor literacy behavior continuously as they teach, as well as conduct periodic assessments for accountability. Intended to guide teachers' ongoing observations of student's progress within a literature-based reading program.

Handbook on Battery Energy Storage System - Asian Development Bank 2018-12-01

This handbook serves as a guide to deploying battery energy storage technologies, specifically for distributed energy resources and flexibility resources. Battery energy storage technology is the most promising, rapidly developed technology as it provides higher efficiency and ease of control. With energy transition through decarbonization and decentralization, energy storage plays a significant role to enhance grid efficiency by alleviating volatility from demand and supply. Energy storage also contributes to the grid integration of renewable energy and promotion of microgrid.

Environmental Monitoring - G. Bruce Wiersma 2004-04-27

The current rate and scale of environmental change around the world makes the detection and understanding of these changes increasingly urgent. Subsequently, government legislation is focusing on measurable results of environmental programs, requiring researchers to employ effective and efficient methods for acquiring high-quality data. Envi

Meteorological monitoring guidance for regulatory modeling applications - 2000

Guidelines and Metrics for Assessing Space System Cost Estimates - Bernard Fox 2008

1. Introduction / 2. Space system fundamentals / 3. Reviewing a cost estimate / 4. Space vehicle cost crosschecks / 5. Common issues in estimating space programs / 6. Resources for space system cost estimation / 7. Recommendations.

Recent Advances in Parallel Virtual Machine and Message Passing Interface - 2002

Guided Reading - Irene C. Fountas 2017

Much has been written on the topic of guided reading over the last twenty years, but no other leaders in literacy education have championed the topic with such depth and breadth as Irene Fountas and Gay Su Pinnell. In the highly anticipated second edition of Guided Reading, Fountas and Pinnell remind you of guided reading's critical value within a comprehensive literacy system, and the reflective, responsive teaching required to realize its full potential. Now with Guided Reading, Second Edition, (re)discover the essential elements of guided reading through: a wider and more comprehensive look at its place within a coherent literacy system a refined and deeper understanding of its complexity an examination of the steps in implementation-from observing and assessing literacy behaviors, to grouping in a thoughtful and dynamic way, to analyzing texts, to teaching the lesson the teaching for systems of strategic actions a rich text base that can support and extend student learning the re-emerging role of shared reading as a way to lead

guided and independent reading forward the development of managed independent learning across the grades an in-depth exploration of responsive teaching the role of facilitative language in supporting change over time in students' processing systems the identification of high-priority shifts in learning to focus on at each text level the creation of a learning environment within which literacy and language can flourish. Through guided reading, students learn how to engage in every facet of the reading process and apply their reading power to all literacy contexts. Also check out our new on-demand mini-course: Introducing Texts Effectively in Guided Reading Lessons

On-Wafer Calibration Techniques Enabling Accurate Characterization of High-Performance Silicon Devices at the mm-Wave Range and Beyond - Andrej Rumiantsev 2022-09-01

The increasing demand for more content, services, and security drives the development of high-speed wireless technologies, optical communication, automotive radar, imaging and sensing systems and many other mm-wave and THz applications. S-parameter measurement at mm-wave and sub-mm wave frequencies plays a crucial role in the modern IC design debug. Most importantly, however, is the step of device characterization for development and optimization of device model parameters for new technologies. Accurate characterization of the intrinsic device in its entire operation frequency range becomes extremely important and this task is very challenging. This book presents solutions for accurate mm-wave characterization of advanced semiconductor devices. It guides through the process of development, implementation and verification of the in-situ calibration methods optimized for high-performance silicon technologies. Technical topics discussed in the book include: Specifics of S-parameter measurements of planar structures Complete mathematical solution for lumped-standard based calibration methods, including the transfer Thru-Match-Reflect (TMR) algorithms Design guideline and examples for the on-wafer calibration standards realized in both advanced SiGe BiCMOS and RF CMOS processes Methods for verification of electrical characteristics of calibration standards and accuracy of the in-situ calibration results Comparison of the new technique vs. conventional approaches: the probe-tip calibration and the pad parasitic de-embedding for various device types, geometries and model parameters New aspects of the on-wafer RF measurements at mmWave frequency range and calibration assurance.

Running Records - Marie M. Clay 2000

This is a brief exploration of running records, explaining why to use them, how they relate to teaching, and how to administer them.

Carrot Club - Twinkl Originals 2018-06-11

The supermarket veggies feel left out when they discover a secret club that's for carrots only. Head down to the vegetable aisle, where a smart-thinking parsnip might just be the key to getting all the veggies into the club and teaching the carrots an important lesson. Download the full eBook and explore supporting teaching materials at www.twinkl.com/originals Join Twinkl Book Club to receive printed story books every half-term at www.twinkl.co.uk/book-club (UK only).

Automatic Control in Aerospace, 1992 - Daniel B. DeBra 1993

Space vehicles have become increasingly complex in recent years, and the number of missions has multiplied as a result of extending frontiers in the exploration of our planetary system and the universe beyond. The advancement of automatic control in aerospace reflects these developments. Key areas covered in these proceedings include: the size and complexity of spacecrafts and the increasingly stringent performance requirements to be fulfilled in a harsh and unpredictable environment; the merger of space vehicles and airplanes into space planes to launch and retrieve payloads by reusable winged vehicles; and the demand to increase space automation and autonomy to reduce human involvement as much as possible in manned, man-tended and unmanned missions. This volume covers not only the newly evolving key technologies but also the classical issues of guidance, navigation and control.

PROBE Reading Assessment Manual - Chris Parkin 2002-01-01

Localization Algorithms and Strategies for Wireless Sensor Networks: Monitoring and Surveillance Techniques for Target Tracking - Mao, Guoqiang 2009-05-31

Wireless localization techniques are an area that has attracted interest from both industry and academia, with self-localization capability providing a highly desirable characteristic of wireless sensor networks. *Localization Algorithms and Strategies for Wireless Sensor Networks* encompasses the significant and fast growing area of wireless localization techniques. This book provides comprehensive and up-to-date coverage of topics and fundamental theories underpinning measurement techniques and localization algorithms. A useful compilation for academicians, researchers, and practitioners, this Premier Reference Source contains relevant references and the latest studies emerging out of the wireless sensor network field.

Publications of the National Institute of Standards and Technology ... Catalog - National Institute of Standards and Technology (U.S.) 1993

Decisions and Orders of the National Labor Relations Board - United States. National Labor Relations Board 1990-03

Spherical Nucleic Acids - Chad A. Mirkin 2020-09-01

Spherical nucleic acids (SNAs) comprise a nanoparticle core and a densely packed and highly oriented nucleic acid shell, typically DNA or RNA. They have novel architecture-dependent properties that distinguish them from all other forms of nucleic acids and make them useful in materials synthesis, catalysis, diagnostics, therapeutics, and optics/plasmonics. This book covers over two decades of Dr. Mirkin's research on SNAs and their anisotropic analogues, including synthesis and fundamental properties, and applications in colloidal crystallization, adaptive matter, and nanomedicine, spanning extra- and intracellular diagnostics, gene regulation, and immunomodulation. It is a reprint volume that compiles 101 key papers from high-impact journals in this research area published by the Mirkin Group at Northwestern University, Illinois, USA, within the International Institute for Nanotechnology, and collaborators. Volume 1 provides an overview and a historical framework of engineering matter from DNA-modified constructs and discusses the enabling features of nucleic acid-functionalized nanomaterials. Volume 2 covers design rules for colloidal crystallization, building blocks for crystal engineering, and DNA and RNA as programmable bonds. Volume 3 discusses colloidal crystallization processes and routes to hierarchical assembly, dynamic nanoparticle superlattices, surface-based and template-confined colloidal crystallization, optics and plasmonics with nanoparticle superlattices, and postsynthetic modification and catalysis with nanoparticle superlattices. Volume 4 covers diagnostic modalities,

and intracellular therapeutic and diagnostic schemes based upon nucleic acid-functionalized nanomaterials.

Qualitative Reading Inventory - Lauren Leslie 2006

This easy-to-use, best-selling collection of reading materials effectively assesses reading ability at emergent through high school levels. It includes both narrative and expository passages at each grade level, questions to assess prior knowledge, and word lists. Instructors can measure comprehension by retelling passages, implicit and explicit questions, and other devices. Based on the latest reading research and in-line with No Child Left Behind Reading First components, this comprehensive inventory focuses assessment on specific questions regarding word identification, fluency, and comprehension. It also provides suggestions for intervention instruction, procedures for assessment of strategic reading, and inclusion of results in classroom portfolios. Get even more effectiveness from your QRI results with Caldwell and Leslie's book *Intervention Strategies to Follow Informal Reading Inventory Assessment: So What Do I Do Now?* (ISBN: 0205608558)

Gene Quantification - Francois Ferre 2012-12-06

Geneticists and molecular biologists have been interested in quantifying genes and their products for many years and for various reasons (Bishop, 1974). Early molecular methods were based on molecular hybridization, and were devised shortly after Marmur and Doty (1961) first showed that denaturation of the double helix could be reversed - that the process of molecular reassociation was exquisitely sequence dependent. Gillespie and Spiegelman (1965) developed a way of using the method to titrate the number of copies of a probe within a target sequence in which the target sequence was fixed to a membrane support prior to hybridization with the probe - typically a RNA. Thus, this was a precursor to many of the methods still in use, and indeed under development, today. Early examples of the application of these methods included the measurement of the copy numbers in gene families such as the ribosomal genes and the immunoglobulin family.

Amplification of genes in tumors and in response to drug treatment was discovered by this method. In the same period, methods were invented for estimating gene numbers based on the kinetics of the reassociation process - the so-called Cot analysis. This method, which exploits the dependence of the rate of reassociation on the concentration of the two strands, revealed the presence of repeated sequences in the DNA of higher eukaryotes (Britten and Kohne, 1968). An adaptation to RNA, Rot analysis (Melli and Bishop, 1969), was used to measure the abundance of RNAs in a mixed population.

InfoWorld - 1989-04-10

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.