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HTS0IU - BRIA CECELIA

The first medical specialty selection guide written by residents for students! Provides an inside look at the issues surrounding medical specialty selection, blending first-hand knowledge with useful facts and statistics, such as salary information, employment data, and match statistics. Focuses on all the major specialties and features firsthand portrayals of each by current residents. Also includes a guide to personality characteristics that are predominate with practitioners of each specialty. "A terrific mixture of objective information as well as factual data make this book an easy, informative, and interesting read." --Review from a 4th year Medical Student

The idea that one can soak up someone else's depression or anxiety or sense the tension in a room is familiar. Indeed, phrases that capture this notion abound in the popular vernacular: "negative energy," "dumping," "you could cut the tension with a knife." The Transmission of Affect deals with the belief that the emotions and energies of one person or

group can be absorbed by or can enter directly into another. The ability to borrow or share states of mind, once historically and culturally assumed, is now pathologized, as Teresa Brennan shows in relation to affective transfer in psychiatric clinics and the prevalence of psychogenic illness in contemporary life. To neglect the mechanism by which affect is transmitted, the author claims, has serious consequences for science and medical research. Brennan's theory of affect is based on constant communication between individuals and their physical and social environments. Her important book details the relationships among affect, energy, and "new maladies of the soul," including attention deficit disorder, chronic fatigue syndrome, codependency, and fibromyalgia.

This book highlights some of the latest advances in nanotechnology and nanomaterials from leading researchers in Ukraine, Europe, and beyond. It features contributions from participants in the 6th International Science and Practice Conference Nanotechnology and Nanomaterials (NANO2018) in Kiev, Ukraine on August

27-30, 2018 organized by the Institute of Physics of the National Academy of Sciences of Ukraine, University of Tartu (Estonia), University of Turin (Italy), and Pierre and Marie Curie University (France). Internationally recognized experts from a wide range of universities and research institutions share their knowledge and key results on nanooptics, energy storage and biomedical applications. This book's companion volume also addresses topics such as materials properties, behavior, and synthesis.

Teaching at Its Best A Research-Based Resource for College Instructors John Wiley & Sons

Comprehensive and easy to read, this authoritative resource features the most up-to-date, research-based blend of practice and theory related to the issues that impact nursing management and leadership today. Key topics include the nursing professional's role in law and ethics, staffing and scheduling, delegation, cultural considerations, care management, human resources, outcomes management, safe work environments, preventing employee injury, and time and stress management. Research Notes in each chapter summarize relevant nursing leadership and management studies and show how research findings can be applied in practice. Leadership and Management Behavior boxes in each chapter highlight the performance and conduct expected of nurse leaders, managers, and executives. Leading and Managing Defined boxes in each chapter list key terminology related to leadership and management, and their definitions. Case Studies at the end of each chapter present real-world leadership and management situations and illustrate how key chapter concepts can be applied to actual practice. Critical Thinking Questions at

the end of each chapter present clinical situations followed by critical thinking questions that allow you to reflect on chapter content, critically analyze the information, and apply it to the situation. A new Patient Acuity chapter uses evidence-based tools to discuss how patient acuity measurement can be done in ways that are specific to nursing. A reader-friendly format breaks key content into easy-to-scan bulleted lists. Chapters are divided according to the AONE competencies for nurse leaders, managers, and executives. Practical Tips boxes highlight useful strategies for applying leadership and management skills to practice.

This book is the first authoritative text on the role that physicists play in solving the inherently multidisciplinary science and technology challenges in food manufacturing. Topics range from designing safe, nutritious and great-tasting foods to the process technology and manufacturing know-how needed to deliver compelling product innovation. The book provides a foundational resource for the transformation of engineering and materials characterisation in the food and pharmaceuticals industries. It is an essential reference for interdisciplinary physical scientists, food/nutrition scientists and engineers working in academic research, government labs and industry, and it is also a valuable resource for R&D staff and product engineers working for suppliers of specialist instrumentation and equipment to the food processing industry. The book is augmented by complementary presentations from the Fourth IOP Physics in Food Manufacturing Conference 2020, held in Leeds, UK. Key Features The first authoritative account of the diverse role that physics and physicists play in the food processing industry. A go-to reference source for anyone wishing to become involved in

food processing - science, technology, engineering. Expert accounts by leading academics and industrial scientists.

"This book provides a comprehensive, critical approach to meeting the new challenges of technology in the classroom. It gathers together research on technology methods, principles, and content, acting as a reference source for proven and innovative methods. It presents an introduction to teaching educational technology, design, and engineering and contains strategies for innovation in technology education"--Provided by publisher.

Mankind is using a greater variety of metals in greater quantities than ever before. As a result there is increasing global concern over the long-term availability of secure and adequate supplies of the metals needed by society. Critical metals, which are those of growing economic importance that might be susceptible to future scarcity, are a particular worry. For many of these we have little information on how they are concentrated in the Earth's crust, how to extract them from their ores, and how to use, recycle and dispose of them effectively and safely. Published with the British Geological Survey, the Critical Metals Handbook brings together a wealth of knowledge on critical metals and provides a foundation for improving the future security and sustainability of critical metal supplies. Written by international experts, it provides a unique source of authoritative information on diverse aspects of the critical metals, including geology, deposits, processing, applications, recycling, environmental issues and markets. It is aimed at a broad non-specialist audience, including professionals and academics working in the exploration and mining sectors, in mining finance and investment, and in mineral processing and

manufacturing. It will also be a valuable reference for policy makers concerned with resource management, land-use planning, eco-efficiency, recycling and related fields.

Petrochronology is a rapidly emerging branch of Earth science that links time (ages or rates) with specific rock-forming processes and their physical conditions. It is founded in petrology and geochemistry, which define a petrogenetic context or delimit a specific process, to which chronometric data are then linked. This combination informs Earth's petrogenetic processes better than petrology or geochronology alone. This volume and the accompanying short courses address three broad categories of inquiry. Conceptual approaches chapters include petrologic modeling of multi-component chemical and mineralogic systems, and development of methods that include diffusive alteration of mineral chemistry. Methods chapters address four main analytical techniques, specifically EPMA, LA-ICP-MS, SIMS and TIMS. Mineral-specific chapters explore applications to a wide range of minerals, including zircon (metamorphic, igneous, and detrital/Hadean), baddeleyite, REE minerals (monazite, allanite, xenotime and apatite), titanite, rutile, garnet, and major igneous minerals (olivine, plagioclase and pyroxenes). These applications mainly focus on metamorphic, igneous, or tectonic processes, but additionally elucidate fundamental transdisciplinary progress in addressing mechanisms of crystal growth, the chemical consequences of mineral growth kinetics, and how chemical transport and deformation affect chemically complex mineral composites. Most chapters further recommend areas of future research.

This work recommends a simple yet pro-

found shift to another decision-making technique: alternatives assessment. Instead of asking how much of a hazardous activity is safe, alternatives assessment asks how we can avoid or minimize damage.

General directors who have all made their marks in the field of librarianship report from a variety of perspectives, including economic, social, educational, cultural developmental, and political. This information could increase the understanding of the managerial decisions, and other factors that affect the decisions and determine the library's overall policy and operations.

Teaching at Its Best A Research-Based Resource for College Instructors John Wiley & Sons Teaching at Its Best This third edition of the best-selling handbook offers faculty at all levels an essential toolbox of hundreds of practical teaching techniques, formats, classroom activities, and exercises, all of which can be implemented immediately. This thoroughly revised edition includes the newest portrait of the Millennial student; current research from cognitive psychology; a focus on outcomes maps; the latest legal options on copyright issues; and how to best use new technology including wikis, blogs, podcasts, vodcasts, and clickers. Entirely new chapters include subjects such as matching teaching methods with learning outcomes, inquiry-guided learning, and using visuals to teach, and new sections address Felder and Silverman's Index of Learning Styles, SCALE-UP classrooms, multiple true-false test items, and much more. Praise for the Third Edition of Teaching at Its Best Everyone—veterans as well as novices—will profit from reading Teaching at Its Best, for it provides both theory and practical suggestions for handling all of the problems one encounters in teaching classes varying in

size, ability, and motivation."—Wilbert McKeachie, Department of Psychology, University of Michigan, and coauthor, McKeachie's Teaching Tips This new edition of Dr. Nilson's book, with its completely updated material and several new topics, is an even more powerful collection of ideas and tools than the last. What a great resource, especially for beginning teachers but also for us veterans!"—L. Dee Fink, author, Creating Significant Learning Experiences This third edition of Teaching at Its Best is successful at weaving the latest research on teaching and learning into what was already a thorough exploration of each topic. New information on how we learn, how students develop, and innovations in instructional strategies complement the solid foundation established in the first two editions."—Marilla D. Svinicki, Department of Psychology, The University of Texas, Austin, and coauthor, McKeachie's Teaching Tips Antiracist Writing Assessment Ecologies Teaching and Assessing Writing for a Socially Just Future Parlor Press LLC In Antiracist Writing Assessment Ecologies, Asao B. Inoue theorizes classroom writing assessment as a complex system that is "more than" its interconnected elements. To explain how and why antiracist work in the writing classroom is vital to literacy learning, Inoue incorporates ideas about the white racial habitus that informs dominant discourses in the academy and other contexts. Emotions Revealed Recognizing Faces and Feelings to Improve Communication and Emotional Life Macmillan An expert on nonverbal communication traces the evolutionary roots of most basic human emotions—anger, sadness, fear, disgust, and happiness—revealing how they evolved and became embedded in the human brain while showing how they are triggered in the body. Original. 15,000

first printing. Leadership and Nursing Care Management - E-Book Elsevier Health Sciences Comprehensive and easy to read, this authoritative resource features the most up-to-date, research-based blend of practice and theory related to the issues that impact nursing management and leadership today. Key topics include the nursing professional's role in law and ethics, staffing and scheduling, delegation, cultural considerations, care management, human resources, outcomes management, safe work environments, preventing employee injury, and time and stress management. Research Notes in each chapter summarize relevant nursing leadership and management studies and show how research findings can be applied in practice. Leadership and Management Behavior boxes in each chapter highlight the performance and conduct expected of nurse leaders, managers, and executives. Leading and Managing Defined boxes in each chapter list key terminology related to leadership and management, and their definitions. Case Studies at the end of each chapter present real-world leadership and management situations and illustrate how key chapter concepts can be applied to actual practice. Critical Thinking Questions at the end of each chapter present clinical situations followed by critical thinking questions that allow you to reflect on chapter content, critically analyze the information, and apply it to the situation. A new Patient Acuity chapter uses evidence-based tools to discuss how patient acuity measurement can be done in ways that are specific to nursing. A reader-friendly format breaks key content into easy-to-scan bulleted lists. Chapters are divided according to the AONE competencies for nurse leaders, managers, and executives. Practical Tips boxes high-

light useful strategies for applying leadership and management skills to practice. Quantifying Uncertainty in Analytical Measurement Communicate! Cengage Learning Now in its 15th edition, this groundbreaking human communication text equips students with the communication skills they need to be successful communicators. COMMUNICATE! engages students in active learning through theory, application and tools for practicing and assessing specific communication skills in interpersonal, intercultural, group, and public speaking settings, and in face-to-face and virtual environments. Skill-building exercises, including speech-plan action step activities, guide students through the speech preparation process. COMMUNICATE! provides lively contemporary examples and sample student speeches that ground theory, increase comprehension, and help students become skillful communicators. The role of ethics in communication is integrated throughout the text, as is the role of technology and social media. The chapters on listening (Ch. 6) and presentational aids (Ch. 13) have been significantly revised. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. The Fitness for Purpose of Analytical Methods A Laboratory Guide to Method Validation and Related Topics The Art of Game Design A Book of Lenses, Second Edition - CRC Press Good game design happens when you view your game from as many perspectives as possible. Written by one of the world's top game designers, The Art of Game Design presents 100+ sets of questions, or different lenses, for viewing a game's design, encompassing diverse fields such as psychology, architecture, music, visual design, film, software engineering, theme park design, mathe-

matics, puzzle design, and anthropology. This Second Edition of a Game Developer Front Line Award winner: Describes the deepest and most fundamental principles of game design Demonstrates how tactics used in board, card, and athletic games also work in top-quality video games Contains valuable insight from Jesse Schell, the former chair of the International Game Developers Association and award-winning designer of Disney online games The Art of Game Design, Second Edition gives readers useful perspectives on how to make better game designs faster. It provides practical instruction on creating world-class games that will be played again and again. The Resilient Practitioner Burnout Prevention and Self-Care Strategies for Counselors, Therapists, Teachers, and Health Professionals, Second Edition Routledge Therapists and other helping professionals, such as teachers, doctors and nurses, social workers, and clergy, work in highly demanding fields and can suffer from burnout, compassion fatigue, and secondary stress. This happens when they give more attention to their clients' well being than their own. Both students and practitioners in these fields will find this book an essential guide to striking an optimal balance between self-care and other-care. The authors describe the joys and hazards of the work, the long road from novice to senior practitioner, the essence of burnout, ways to maintain the professional and personal self, methods experts use to maintain vitality, and a self-care action plan. Vivid real-life examples and self-reflection questions will engage and motivate readers to think about their own work and ways to enhance their own resilience. Eloquentlly written and supported by extensive research, helping professionals will find this a valuable resource both when a

novice and when an experienced practitioner. A Guide to Outcomes Assessment in Education Abroad The Handbook of Communication Skills Routledge The Handbook of Communication Skills is recognised as one of the core texts in the field of communication, offering a state-of-the-art overview of this rapidly evolving field of study. This comprehensively revised and updated fourth edition arrives at a time when the realm of interpersonal communication has attracted immense attention. Recent research showing the potency of communication skills for success in many walks of life has stimulated considerable interest in this area, both from academic researchers, and from practitioners whose day-to-day work is so dependent on effective social skills. Covering topics such as non-verbal behaviour, listening, negotiation and persuasion, the book situates communication in a range of different contexts, from interacting in groups to the counselling interview. Based on the core tenet that interpersonal communication can be conceptualised as a form of skilled activity, and including new chapters on cognitive behavioural therapy and coaching and mentoring, this new edition also places communication in context with advances in digital technology. The Handbook of Communication Skills represents the most significant single contribution to the literature in this domain. Providing a rich mine of information for the neophyte and practising professional, it is perfect for use in a variety of contexts, from theoretical mainstream communication modules on degree programmes to vocational courses in health, business and education. With contributions from an internationally renowned range of scholars, this is the definitive text for students, researchers and professionals alike. Guidelines for Social Life Cy-

cle Assessment of Products Social and Socio-economic LCA Guidelines Complementing Environmental LCA and Life Cycle Costing, Contributing to the Full Assessment of Goods and Services Within the Context of Sustainable Development UNEP/Earthprint The Guidelines for Social Life Cycle Assessment of Products provides a map, a skeleton and a flash light for stakeholders engaging in the assessment of social and socio-economic impacts of products life cycle. The map describes the context, the key concepts, the broader field in which tools and techniques are getting developed and their scope of application. The skeleton presents key elements to consider and provide guidance for the goal and scope, inventory, impact assessment and interpretation phases of a social life cycle assessment. The flash light highlights areas where further research is needed. Social Life Cycle Assessment is a technique available to account for stories and inform systematically on impacts that otherwise would be lost in the vast and fast moving sea of our modern world. May it help stakeholders to effectively and efficiently engage to improve social and socio-economic conditions of production and consumption Materiality, Techniques and Society in Pottery Production The Technological Study of Archaeological Ceramics through Paste Analysis Walter de Gruyter GmbH & Co KG Daniel Albero Santacreu presents a wide overview of certain aspects of the pottery analysis and summarizes most of the methodological and theoretical information currently applied in archaeology in order to develop wide and deep analysis of ceramic pastes. The book provides an adequate framework for understanding the way pottery production is organised and clarifies the meaning and role of the pottery in archaeological and

traditional societies. The goal of this book is to encourage reflection, especially by those researchers who face the analysis of ceramics for the first time, by providing a background for the generation of their own research and to formulate their own questions depending on their concerns and interests. The three-part structure of the book allows readers to move easily from the analysis of the reality and ceramic material culture to the world of the ideas and theories and to develop a dialogue between data and their interpretation. Daniel Albero Santacreu is a Lecturer Assistant in the University of the Balearic Islands, member of the Research Group Arqueo UIB and the Ceramic Petrology Group. He has carried out the analysis of ceramics from several prehistoric societies placed in the Western Mediterranean, as well as the study of handmade pottery from contemporary ethnic groups in Northeast Ghana. World's Leading National, Public, Monastery and Royal Library Directors Leadership, Management, Future of Libraries Walter de Gruyter GmbH & Co KG General directors who have all made their marks in the field of librarianship report from a variety of perspectives, including economic, social, educational, cultural developmental, and political. This information could increase the understanding of the managerial decisions, and other factors that affect the decisions and determine the library's overall policy and operations. Handbook of Alternative Fuel Technologies, Second Edition CRC Press While strides are being made in the research and development of environmentally acceptable and more sustainable alternative fuels—including efforts to reduce emissions of air pollutants associated with combustion processes from electric power generation and vehicular transportation—fossil fuel

resources are limited and may soon be on the verge of depletion in the near future. Measuring the correlation between quality of life, energy consumption, and the efficient utilization of energy, the Handbook of Alternative Fuel Technologies, Second Edition thoroughly examines the science and technology of alternative fuels and their processing technologies. It focuses specifically on environmental, technoeconomic, and socioeconomic issues associated with the use of alternative energy sources, such as sustainability, applicable technologies, modes of utilization, and impacts on society. Written with research and development scientists and engineers in mind, the material in this handbook provides a detailed description and an assessment of available and feasible technologies, environmental health and safety issues, governmental regulations, and issues and agendas for R&D. It also includes alternative energy networks for production, distribution, and consumption. What's New in This Edition: Contains several new chapters of emerging interest and updates various chapters throughout Includes coverage of coal gasification and liquefaction, hydrogen technology and safety, shale fuel by hydraulic fracturing, ethanol from lignocellulosics, biodiesel, algae fuels, and energy from waste products Covers statistics, current concerns, and future trends A single-volume complete reference, the Handbook of Alternative Fuel Technologies, Second Edition contains relevant information on chemistry, technology, and novel approaches, as well as scientific foundations for further enhancements and breakthroughs. In addition to its purposes as a handbook for practicing scientists and engineers, it can also be used as a textbook or as a reference book on fuel science and engineering, energy

and environment, chemical process design, and energy and environmental policy. Advanced Teaching Methods for the Technology Classroom IGI Global "This book provides a comprehensive, critical approach to meeting the new challenges of technology in the classroom. It gathers together research on technology methods, principles, and content, acting as a reference source for proven and innovative methods. It presents an introduction to teaching educational technology, design, and engineering and contains strategies for innovation in technology education"--Provided by publisher. Petrochronology Methods and Applications Walter de Gruyter GmbH & Co KG Petrochronology is a rapidly emerging branch of Earth science that links time (ages or rates) with specific rock-forming processes and their physical conditions. It is founded in petrology and geochemistry, which define a petrogenetic context or delimit a specific process, to which chronometric data are then linked. This combination informs Earth's petrogenetic processes better than petrology or geochronology alone. This volume and the accompanying short courses address three broad categories of inquiry. Conceptual approaches chapters include petrologic modeling of multi-component chemical and mineralogic systems, and development of methods that include diffusive alteration of mineral chemistry. Methods chapters address four main analytical techniques, specifically EPMA, LA-ICP-MS, SIMS and TIMS. Mineral-specific chapters explore applications to a wide range of minerals, including zircon (metamorphic, igneous, and detrital/Hadean), baddeleyite, REE minerals (monazite, allanite, xenotime and apatite), titanite, rutile, garnet, and major igneous minerals (olivine, plagioclase and pyroxenes). These applications mainly focus on meta-

morphic, igneous, or tectonic processes, but additionally elucidate fundamental transdisciplinary progress in addressing mechanisms of crystal growth, the chemical consequences of mineral growth kinetics, and how chemical transport and deformation affect chemically complex mineral composites. Most chapters further recommend areas of future research. *Integrated Solid Waste Management: A Lifecycle Inventory* Springer Science & Business Media Life is often considered to be a journey. The lifecycle of waste can similarly be considered to be a journey from the cradle (when an item becomes valueless and, usually, is placed in the dustbin) to the grave (when value is restored by creating usable material or energy; or the waste is transformed into emissions to water or air, or into inert material placed in a landfill). This preface provides a route map for the journey the reader of this book will undertake. Who? Who are the intended readers of this book? Waste managers (whether in public service or private companies) will find a holistic approach for improving the environmental quality and the economic cost of managing waste. The book contains general principles based on cutting edge experience being developed across Europe. Detailed data and a computer model will enable operations managers to develop data-based improvements to their systems. Producers of waste will be better able to understand how their actions can influence the operation of environmentally improved waste management systems. Designers of products and packages will be better able to understand how their design criteria can improve the compatibility of their product or package with developing, environmentally improved waste management systems. Waste data specialists (whether in laboratories,

consultancies or environmental managers of waste facilities) will see how the scope, quantity and quality of their data can be improved to help their colleagues design more effective waste management systems. *The Ultimate Guide To Choosing a Medical Specialty* McGraw Hill Professional The first medical specialty selection guide written by residents for students! Provides an inside look at the issues surrounding medical specialty selection, blending first-hand knowledge with useful facts and statistics, such as salary information, employment data, and match statistics. Focuses on all the major specialties and features firsthand portrayals of each by current residents. Also includes a guide to personality characteristics that are predominate with practitioners of each specialty. "A terrific mixture of objective information as well as factual data make this book an easy, informative, and interesting read." --Review from a 4th year Medical Student *The Art of Game Design* A book of lenses CRC Press Anyone can master the fundamentals of game design - no technological expertise is necessary. *The Art of Game Design: A Book of Lenses* shows that the same basic principles of psychology that work for board games, card games and athletic games also are the keys to making top-quality videogames. Good game design happens when you view your game from many different perspectives, or lenses. While touring through the unusual territory that is game design, this book gives the reader one hundred of these lenses - one hundred sets of insightful questions to ask yourself that will help make your game better. These lenses are gathered from fields as diverse as psychology, architecture, music, visual design, film, software engineering, theme park design, mathematics, writing, puzzle design, and anthropology.

Anyone who reads this book will be inspired to become a better game designer - and will understand how to do it. Plasma Technologies for Textiles Elsevier Plasma technologies present an environmentally-friendly and versatile way of treating textile materials in order to enhance a variety of properties such as wettability, liquid repellency, dyeability and coating adhesion. Recent advances made in commercially viable plasma systems have greatly increased the potential of using plasma technology in industrial textile finishing. This pioneering book provides an essential guide to both the technology and science related to plasmas and its practical applications in the textile industry. The first part of the book discusses the science and technology behind plasmas. Chapters give detailed and comprehensive descriptions on the characteristics of plasmas and methods of control and treatment in the processing of textiles. Both low pressure cold plasma and atmospheric pressure cold plasma processes are described as well as the diagnosis and control of plasma parameters in plasma generating reactors. A chapter is devoted to the use of plasma technology to achieve nanoscale treatment of textile surfaces. The second part of the book concentrates on specific applications of plasma technologies. Chapters cover treatments for water and oil repellency of textiles, engineering of biomedical textiles and woollen finishing techniques through the use of plasma technologies. Further chapters cover the modification of fibres for use in composites and the potential use of plasma technologies for the finishing of fabrics made of man made fibres. The final chapter in the book gives a comprehensive analysis of the surface chemical and physical characterisation of plasma treated fabrics. Written by a distinguished in-

ternational team of experts, Plasma technologies for textiles is an invaluable reference for researchers, scientists and technologists alike. Summarises both the science and technology of plasma processing, and its practical applications Discusses how plasma technology improves textile properties such as wettability and liquid repelling An invaluable reference for researchers, scientists and technologists Creating Value in Nonprofit-Business Collaborations New Thinking and Practice John Wiley & Sons Collaboration between nonprofits and businesses is a necessary component of strategy and operations. Creating Value in Nonprofit-Business Collaborations: New Thinking & Practice provides breakthrough thinking about how to conceptualize and realize collaborative value. With over a hundred case examples from around the globe and hundreds of literature references, the book reveals how collaboration between businesses and nonprofit organizations can most effectively co-create significant economic, social, and environmental value for society, organizations, and individuals. This essential resource features the ground-breaking Collaborative Value Creation framework that can be used for analyzing the sources, forms, and processes of value creation in partnerships between businesses and nonprofits. The book is a step-by-step guide for business managers and non-profit practitioners for achieving successful cross-sector partnerships. It examines the key dimensions of the Collaborative Mindset that shape each partner's collaborative efforts. It analyzes the drivers of partnership evolution along the Collaboration Continuum, and sets forth the key pathways in the Collaboration Process Value Chain. The book concludes by offering Twelve Smart Practices of Collaborative Value Creation for the design and man-

agement of cross sector partnerships. The book will empower organizations to strategically increase the potential for value creation both for the partners and society. Praise for *Creating Value in Non-profit-Business Collaborations: New Thinking & Practice!* "This is a playbook for enabling business and nonprofits to co-create shared value. These new types of collaborations about creating value, rather than the tense standoffs of the past, are part of the way we will create actual solutions to society's challenges." Michael J. Porter, Bishop William Lawrence University Professor, Harvard Business School "Co-creating value is a powerful concept Jim Austin and May Seitanidi are sharing with us that will bring business and non-profit leaders to a new level of understanding and performance. This new book is the indispensable guidebook for leaders of the future." Frances Hesselbein, Founding President and CEO of the Frances Hesselbein Leadership Institute, Former CEO of the Girl Scouts of America, and Holder of Presidential Medal of Freedom "I love the book! While it focuses on "cross sector" collaboration, it should be read by every executive in the "for-profit" sector. Business is about how to collaborate with stakeholders to create value. This book tells you how to do it. Bravo!" R. Edward Freeman, University Professor and Olsson Professor The Darden School University of Virginia "Finally a book that demystifies what is probably the single most indispensable strategy for advancing social change: cross sector collaboration that creates genuine, measurable value for all. The book is an original and valuable resource for both the nonprofit and business sectors, providing a promising new roadmap that shows how to go beyond fighting for one's share of the pie, to collaboration that actually makes the pie grow." Billy

Shore, Founder and CEO of Share Our Strength and Chairman of Community Wealth Ventures "Professors Austin and Seitanidi provide essential guidance for managers determining how to produce benefits for their organizations and high impact for society. This is an informed, thoughtful, and practical analysis." Rosabeth Moss Kanter, Ernest L. Arbuckle Professor of Business Administration, Harvard Business School and author of *SuperCorp: How Vanguard Companies Create Innovation, Profits, Growth and Social Good* *Method Validation in Pharmaceutical Analysis A Guide to Best Practice* John Wiley & Sons Adopting a practical approach, the authors provide a detailed interpretation of the existing regulations (GMP, ICH), while also discussing the appropriate calculations, parameters and tests. The book thus allows readers to validate the analysis of pharmaceutical compounds while complying with both the regulations as well as the industry demands for robustness and cost effectiveness. Following an introduction to the basic parameters and tests in pharmaceutical validation, including specificity, linearity, range, precision, accuracy, detection and quantitation limits, the text focuses on a life-cycle approach to validation and the integration of validation into the whole analytical quality assurance system. The whole is rounded off with a look at future trends. With its first-hand knowledge of the industry as well as regulating bodies, this is an invaluable reference for analytical chemists, the pharmaceutical industry, pharmacutists, QA officers, and public authorities. *Emotional Literacy Intelligence with a Heart* Personhood Press "This step-by-step program opens the door to achieving emotional power. Instructions are given on how emotional literacy—intelligence with a heart—can be learned through practicing

specific exercises that foster the awareness of emotion in oneself and others, by increasing capacities to love others and oneself while developing honesty, and by taking responsibility for one's actions. Provided are instructions on how to reverse the dangerous self-destructive emotional patterns that can rule a person's life. This program shows individuals how to open their hearts and minds to honest and effective communication, how to survey the emotional landscape, and ultimately how to take responsibility for their emotional lives."

Molten Carbonate Fuel Cells Modeling, Analysis, Simulation, and Control John Wiley & Sons Adopting a unique, integrated engineering approach, this text simultaneously covers all aspects of design and operation, process analysis, optimization, monitoring and control. It clearly presents the multiple advantages of molten carbonate fuel cells for the efficient conversion of energy, and also includes recent developments in this innovative technology. The whole is rounded off by an appendix featuring benchmark problems with equations and parameters. Vital reading for process, chemical and power engineers, as well as those working in power technology, chemists and electrochemists, materials scientists, and energy-supplying companies.

Physics in Food Manufacturing Case Studies in Fundamental and Applied Research This book is the first authoritative text on the role that physicists play in solving the inherently multidisciplinary science and technology challenges in food manufacturing. Topics range from designing safe, nutritious and great-tasting foods to the process technology and manufacturing know-how needed to deliver compelling product innovation. The book provides a foundational resource for the transformation of engineering and materials characteri-

sation in the food and pharmaceuticals industries. It is an essential reference for interdisciplinary physical scientists, food/nutrition scientists and engineers working in academic research, government labs and industry, and it is also a valuable resource for R&D staff and product engineers working for suppliers of specialist instrumentation and equipment to the food processing industry. The book is augmented by complementary presentations from the Fourth IOP Physics in Food Manufacturing Conference 2020, held in Leeds, UK. Key Features

- The first authoritative account of the diverse role that physics and physicists play in the food processing industry. A go-to reference source for anyone wishing to become involved in food processing - science, technology, engineering. Expert accounts by leading academics and industrial scientists.

Nanophotonics, Nanooptics, Nanobiotechnology, and Their Applications Selected Proceedings of the 6th International Conference Nanotechnology and Nanomaterials (NANO2018), August 27-30, 2018, Kyiv, Ukraine Springer This book highlights some of the latest advances in nanotechnology and nanomaterials from leading researchers in Ukraine, Europe, and beyond. It features contributions from participants in the 6th International Science and Practice Conference Nanotechnology and Nanomaterials (NANO2018) in Kiev, Ukraine on August 27-30, 2018 organized by the Institute of Physics of the National Academy of Sciences of Ukraine, University of Tartu (Estonia), University of Turin (Italy), and Pierre and Marie Curie University (France). Internationally recognized experts from a wide range of universities and research institutions share their knowledge and key results on nanooptics, energy storage and biomedical applications. This book's com-

panion volume also addresses topics such as materials properties, behavior, and synthesis. Life Cycle Assessment (LCA) A Guide to Approaches, Experiences and Information Sources European Communities Life Cycle Assessment Making Better Environmental Decisions An Alternative to Risk Assessment MIT Press This work recommends a simple yet profound shift to another decision-making technique: alternatives assessment. Instead of asking how much of a hazardous activity is safe, alternatives assessment asks how we can avoid or minimize damage. Cyberbullying Across the Globe Gender, Family, and Mental Health Springer This book provides a much-needed analysis of the current research in the global epidemic of electronic bullying. Scholars and professionals from the Americas, Europe, and Asia offer data, insights, and solutions, acknowledging both the social psychology and technological contexts underlying cyberbullying phenomena. Contributors address questions that are just beginning to emerge as well as long-standing issues concerning family and gender dynamics, and provide evidence-based prevention and intervention strategies for school and home. The global nature of the book reflects not only the scope and severity of cyberbullying, but also the tenacity of efforts to control and eradicate the problem. Included in the coverage:

- Gender issues and cyberbullying in children and adolescents: from gender differences to gender identity measures.
- Family relationships and cyberbullying.
- Examining the incremental impact of cyberbullying on outcomes over and above traditional bullying in North America.
- A review of cyberbullying and education issues in Latin America.
- Cyberbullying prevention from child and youth literature.
- Cyberbullying and restorative justice. Cyberbul-

lying across the Globe is an essential resource for researchers, graduate students, and other professionals in child and school psychology, public health, social work and counseling, educational policy, and family advocacy. Philosophy a School of Freedom Teaching Philosophy and Learning to Philosophize: Status and Prospects UNESCO Originally published in French as "La Philosophie, une Ecole de la Liberte. Enseignement de la philosophie et apprentissage du philosophe : Etat des lieux et regards pour l'avenir." - This study is dedicated to all those who engaged themselves, with vigour and conviction, in the defence of the teaching of philosophy a fertile guarantor of liberty and autonomy. This publication is also dedicated to the young spirits of today, bound to become the active citizens of tomorrow. Healthcare Information Management Systems A Practical Guide - Springer Science & Business Media Addressed to practitioners of healthcare administration, the book looks beyond traditional information systems. This text suggests how information systems can bring a competitive advantage to hospitals and other healthcare providers. Its viewpoint is neither technical nor clinical. Rather it is concerned with the role and the use of information in the provision of healthcare. The text is divided into several reader-friendly units, which allows the reader to quickly select only what he wants to study in depth. Divided into two sections, one dealing with support for the private practitioner, the other with managing an institution, the material spans a wide array of types of computers. This provides valuable instructional information for nurses, physicians and administrators using the computer as a tool for providing quality medical care. The Transmission of Affect Cornell University Press The idea that one

can soak up someone else's depression or anxiety or sense the tension in a room is familiar. Indeed, phrases that capture this notion abound in the popular vernacular: "negative energy," "dumping," "you could cut the tension with a knife." The *Transmission of Affect* deals with the belief that the emotions and energies of one person or group can be absorbed by or can enter directly into another. The ability to borrow or share states of mind, once historically and culturally assumed, is now pathologized, as Teresa Brennan shows in relation to affective transfer in psychiatric clinics and the prevalence of psychogenic illness in contemporary life. To neglect the mechanism by which affect is transmitted, the author claims, has serious consequences for science and medical research. Brennan's theory of affect is based on constant communication between individuals and their physical and social environments. Her important book details the relationships among affect, energy, and "new maladies of the soul," including attention deficit disorder, chronic fatigue syndrome, codependency, and fibromyalgia.

The Oxford Handbook of Qualitative Research Oxford University Press

The Oxford Handbook of Qualitative Research presents a comprehensive overview of the field of qualitative research. It is intended for students of all levels, faculty, and researchers across the social sciences. The contributors represent some of the most influential and innovative researchers in the field as well as emerging scholars. This handbook provides a broad introduction to the field of qualitative research to those with little to no background in the subject, while simultaneously providing substantive contributions to the field that will be of interest to even the most experienced researchers. It serves as a user-friendly teaching tool

suitable for a range of undergraduate or graduate courses, as well as individuals working on their thesis or other research projects. With a focus on methodological instruction, this volume offers both a retrospective and prospective view of the field. The first two sections explore the history of the field, ethics, and philosophical/theoretical approaches. The next three sections focus on the major methods of qualitative practice as well as newer approaches (such as arts-based research and internet research); area studies often excluded (such as museum studies and disaster studies); and mixed methods and participatory methods (such as community-based research). The next section covers key issues including data analysis, interpretation, writing and assessment. The final section offers a commentary about politics and research and the move towards public scholarship.

Living Mindfully Across the Lifespan: An Intergenerational Guide Routledge

Living Mindfully Across the Lifespan: An Intergenerational Guide provides user-friendly, empirically supported information about and answers to some of the most frequently encountered questions and dilemmas of human living, interactions, and emotions. With a mix of empirical data, humor, and personal insight, each chapter introduces the reader to a significant topic or question, including self-worth, anxiety, depression, relationships, personal development, loss, and death. Along with exercises that clients and therapists can use in daily practice, chapters feature personal stories and case studies, interwoven throughout with the authors' unique intergenerational perspectives. Compassionate, engaging writing is balanced with a straightforward presentation of research data and practical strategies to help address issues via psychological, behavior-

ral, contemplative, and movement-oriented exercises. Readers will learn how to look deeply at themselves and society, and to apply what has been learned over decades of research and clinical experience to enrich their lives and the lives of others. Applications of Flow in Human Development and Education The Collected Works of Mihaly Csikszentmihalyi Springer The third volume of the collected works of Mihaly Csikszentmihalyi covers his work on the application of flow in areas that go beyond the field of leisure where the concept was first applied. Based on his personal experience with schooling and learning, as well as that of many others and contrary to what Cicero claimed, Csikszentmihalyi arrived at the conclusion that instead of taking pride in making the roots of knowledge as bitter as possible, we should try to make them sweeter. Just as flow became a popular and useful concept in voluntary activities, it could likewise be applied in education with the end result of young people being more likely to continue learning not just because they have to but because they want to. This volume brings together a number of articles in which Csikszentmihalyi develops ideas about how to make education and more generally the process of learning to live a good life, more enjoyable. Since theory is the mother of good practice, the first eleven chapters are devoted to theoretical reflections. Some are general and explore what it means to be a human being, what it means to be a person, when we look at life from the perspective of flow. Others are more narrowly focused on such topics as consumption, education, teaching and learning. They help laypeople reflect how they can arrange their lives in such a way as to leave a small ecological footprint while getting the most enjoyment. The second section

of the volume contains a dozen empirical articles on similar topics. They deal with the development of identity and self-worth; with the formation of goals and motivation; with loneliness and family life. Earth Materials Introduction to Mineralogy and Petrology Cambridge University Press Key concepts in mineralogy and petrology are explained alongside beautiful full-color illustrations, in this concisely written textbook. Toxicants in Food Packaging and Household Plastics Exposure and Health Risks to Consumers Springer This book serves as a comprehensive resource on toxicants that can be released from food packaging materials and household plastics. Chapters include sources and levels of chemical exposure, known and suspected health effects and the identification of data gaps with recommendations for further research. In addition, regulatory approaches and risk assessment challenges in the United States and Europe are discussed. Chapters cover both the more widely known chemicals that can migrate from food packaging (bisphenol A, perfluorinated chemicals), and household plastics (lead, phthalates, brominated flame retardants), as well as chemicals that are just entering use in food packaging (nanomaterials in polymer food packaging) and chemicals recently identified as migrating from food packaging to food stuffs (phthalates, benzophenones, antimony, methylnaphthalene and the alkylphenols nonylphenol and octylphenol). Chapters on phthalates and brominated flame retardants discuss challenges that arise with the use of replacement chemicals. The health effect sections of chapters have drawn on a wide variety of toxicological endpoints and recommend approaches to better assess toxicological risks in vulnerable human populations. Reflecting

the global nature of our food supply and household consumer goods, contributions have been drawn from international experts. A wide range of scientists will find this book to be useful, including toxicologists, environmental health scientists, food scientists, and regulators. *Critical Metals Handbook* John Wiley & Sons-Mankind is using a greater variety of metals in greater quantities than ever before. As a result there is increasing global concern over the long-term availability of secure and adequate supplies of the metals needed by society. Critical metals, which are those of growing economic importance that might be susceptible to future scarcity, are a particular worry. For many of these we have little information on how they are concentrated in the Earth's crust, how to extract them from their ores, and how to use, recycle and dispose of them effectively and safely. Published with the British Geological Survey, the *Critical Metals Handbook* brings together a wealth of knowledge on critical metals and provides a foundation for improving the future security and sustainability of critical metal supplies. Written by international experts, it provides a unique source of authoritative information on diverse aspects of the critical metals, including geology, deposits, processing, applications, recycling, environmental issues and markets. It is aimed at a broad non-specialist audience, including professionals and academics working in the exploration and mining sectors, in mining finance and investment, and in mineral processing and manufacturing. It will also be a valuable reference for policy makers concerned with resource management, land-use planning, eco-efficiency, recycling and related fields. *How We Became Posthuman-Virtual Bodies in Cybernetics, Literature, and Informatics* University of Chicago

Press In this age of DNA computers and artificial intelligence, information is becoming disembodied even as the "bodies" that once carried it vanish into virtuality. While some marvel at these changes, envisioning consciousness downloaded into a computer or humans "beamed" Star Trek-style, others view them with horror, seeing monsters brooding in the machines. In *How We Became Posthuman*, N. Katherine Hayles separates hype from fact, investigating the fate of embodiment in an information age. Hayles relates three interwoven stories: how information lost its body, that is, how it came to be conceptualized as an entity separate from the material forms that carry it; the cultural and technological construction of the cyborg; and the dismantling of the liberal humanist "subject" in cybernetic discourse, along with the emergence of the "posthuman." Ranging widely across the history of technology, cultural studies, and literary criticism, Hayles shows what had to be erased, forgotten, and elided to conceive of information as a disembodied entity. Thus she moves from the post-World War II Macy Conferences on cybernetics to the 1952 novel *Limbo* by cybernetics aficionado Bernard Wolfe; from the concept of self-making to Philip K. Dick's literary explorations of hallucination and reality; and from artificial life to postmodern novels exploring the implications of seeing humans as cybernetic systems. Although becoming posthuman can be nightmarish, Hayles shows how it can also be liberating. From the birth of cybernetics to artificial life, *How We Became Posthuman* provides an indispensable account of how we arrived in our virtual age, and of where we might go from here.

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Intergenerational Guide provides user-friendly, empirically supported information about and answers to some of the most frequently encountered questions and dilemmas of human living, interactions, and emotions. With a mix of empirical data, humor, and personal insight, each chapter introduces the reader to a significant topic or question, including self-worth, anxiety, depression, relationships, personal development, loss, and death. Along with exercises that clients and therapists can use in daily practice, chapters feature personal stories and case studies, interwoven throughout with the authors' unique intergenerational perspectives. Compassionate, engaging writing is balanced with a straightforward presentation of research data and practical strategies to help address issues via psychological, behavioral, contemplative, and movement-oriented exercises. Readers will learn how to look deeply at themselves and society, and to apply what has been learned over decades of research and clinical experience to enrich their lives and the lives of others.

Anyone can master the fundamentals of game design - no technological expertise is necessary. The Art of Game Design: A Book of Lenses shows that the same basic principles of psychology that work for board games, card games and athletic games also are the keys to making top-quality videogames. Good game design happens when you view your game from many different perspectives, or lenses. While touring through the unusual territory that is game design, this book gives the reader one hundred of these lenses - one hundred sets of insightful questions to ask yourself that will help make your game better. These lenses are gathered from fields as diverse as psychology, architecture, music, visual design, film, software engineering, theme park de-

sign, mathematics, writing, puzzle design, and anthropology. Anyone who reads this book will be inspired to become a better game designer - and will understand how to do it.

Life Cycle Assessment

Adopting a unique, integrated engineering approach, this text simultaneously covers all aspects of design and operation, process analysis, optimization, monitoring and control. It clearly presents the multiple advantages of molten carbonate fuel cells for the efficient conversion of energy, and also includes recent developments in this innovative technology. The whole is rounded off by an appendix featuring benchmark problems with equations and parameters. Vital reading for process, chemical and power engineers, as well as those working in power technology, chemists and electrochemists, materials scientists, and energy-supplying companies.

The Guidelines for Social Life Cycle Assessment of Products provides a map, a skeleton and a flash light for stakeholders engaging in the assessment of social and socio-economic impacts of products life cycle. The map describes the context, the key concepts, the broader field in which tools and techniques are getting developed and their scope of application. The skeleton presents key elements to consider and provide guidance for the goal and scope, inventory, impact assessment and interpretation phases of a social life cycle assessment. The flash light highlights areas where further research is needed. Social Life Cycle Assessment is a technique available to account for stories and inform systematically on impacts that otherwise would be lost in the vast and fast moving sea of our modern world. May it help stakeholders to effectively and efficiently engage to improve

social and socio-economic conditions of production and consumption

This book provides a much-needed analysis of the current research in the global epidemic of electronic bullying. Scholars and professionals from the Americas, Europe, and Asia offer data, insights, and solutions, acknowledging both the social psychology and technological contexts underlying cyberbullying phenomena. Contributors address questions that are just beginning to emerge as well as long-standing issues concerning family and gender dynamics, and provide evidence-based prevention and intervention strategies for school and home. The global nature of the book reflects not only the scope and severity of cyberbullying, but also the tenacity of efforts to control and eradicate the problem. Included in the coverage:

- Gender issues and cyberbullying in children and adolescents: from gender differences to gender identity measures.
- Family relationships and cyberbullying.
- Examining the incremental impact of cyberbullying on outcomes over and above traditional bullying in North America.
- A review of cyberbullying and education issues in Latin America.
- Cyberbullying prevention from child and youth literature.
- Cyberbullying and restorative justice.

Cyberbullying across the Globe is an essential resource for researchers, graduate students, and other professionals in child and school psychology, public health, social work and counseling, educational policy, and family advocacy.

In this age of DNA computers and artificial intelligence, information is becoming disembodied even as the "bodies" that once carried it vanish into virtuality. While some marvel at these changes, envisioning consciousness downloaded into a computer or humans "beamed" Star Trek-style, others view them with horror,

seeing monsters brooding in the machines. In *How We Became Posthuman*, N. Katherine Hayles separates hype from fact, investigating the fate of embodiment in an information age. Hayles relates three interwoven stories: how information lost its body, that is, how it came to be conceptualized as an entity separate from the material forms that carry it; the cultural and technological construction of the cyborg; and the dismantling of the liberal humanist "subject" in cybernetic discourse, along with the emergence of the "posthuman." Ranging widely across the history of technology, cultural studies, and literary criticism, Hayles shows what had to be erased, forgotten, and elided to conceive of information as a disembodied entity. Thus she moves from the post-World War II Macy Conferences on cybernetics to the 1952 novel *Limbo* by cybernetics aficionado Bernard Wolfe; from the concept of self-making to Philip K. Dick's literary explorations of hallucination and reality; and from artificial life to postmodern novels exploring the implications of seeing humans as cybernetic systems. Although becoming posthuman can be nightmarish, Hayles shows how it can also be liberating. From the birth of cybernetics to artificial life, *How We Became Posthuman* provides an indispensable account of how we arrived in our virtual age, and of where we might go from here.

Originally published in French as *"La Philosophie, une Ecole de la Liberte. Enseignement de la philosophie et apprentissage du philosophe : Etat des lieux et regards pour l'avenir."* - This study is dedicated to all those who engaged themselves, with vigour and conviction, in the defence of the teaching of philosophy a fertile guarantor of liberty and autonomy. This publication is also dedicated to

the young spirits of today, bound to become the active citizens of tomorrow.

The Handbook of Communication Skills is recognised as one of the core texts in the field of communication, offering a state-of-the-art overview of this rapidly evolving field of study. This comprehensively revised and updated fourth edition arrives at a time when the realm of interpersonal communication has attracted immense attention. Recent research showing the potency of communication skills for success in many walks of life has stimulated considerable interest in this area, both from academic researchers, and from practitioners whose day-to-day work is so dependent on effective social skills. Covering topics such as non-verbal behaviour, listening, negotiation and persuasion, the book situates communication in a range of different contexts, from interacting in groups to the counselling interview. Based on the core tenet that interpersonal communication can be conceptualised as a form of skilled activity, and including new chapters on cognitive behavioural therapy and coaching and mentoring, this new edition also places communication in context with advances in digital technology. The Handbook of Communication Skills represents the most significant single contribution to the literature in this domain. Providing a rich mine of information for the neophyte and practising professional, it is perfect for use in a variety of contexts, from theoretical mainstream communication modules on degree programmes to vocational courses in health, business and education. With contributions from an internationally renowned range of scholars, this is the definitive text for students, researchers and professionals alike.

Good game design happens when you

view your game from as many perspectives as possible. Written by one of the world's top game designers, The Art of Game Design presents 100+ sets of questions, or different lenses, for viewing a game's design, encompassing diverse fields such as psychology, architecture, music, visual design, film, software engineering, theme park design, mathematics, puzzle design, and anthropology. This Second Edition of a Game Developer Front Line Award winner: Describes the deepest and most fundamental principles of game design Demonstrates how tactics used in board, card, and athletic games also work in top-quality video games Contains valuable insight from Jesse Schell, the former chair of the International Game Developers Association and award-winning designer of Disney online games The Art of Game Design, Second Edition gives readers useful perspectives on how to make better game designs faster. It provides practical instruction on creating world-class games that will be played again and again.

Adopting a practical approach, the authors provide a detailed interpretation of the existing regulations (GMP, ICH), while also discussing the appropriate calculations, parameters and tests. The book thus allows readers to validate the analysis of pharmaceutical compounds while complying with both the regulations as well as the industry demands for robustness and cost effectiveness. Following an introduction to the basic parameters and tests in pharmaceutical validation, including specificity, linearity, range, precision, accuracy, detection and quantitation limits, the text focuses on a life-cycle approach to validation and the integration of validation into the whole analytical quality assurance system. The whole is rounded off with a look at future trends. With its first-hand knowl-

edge of the industry as well as regulating bodies, this is an invaluable reference for analytical chemists, the pharmaceutical industry, pharmacutists, QA officers, and public authorities.

Life is often considered to be a journey. The lifecycle of waste can similarly be considered to be a journey from the cradle (when an item becomes valueless and, usually, is placed in the dustbin) to the grave (when value is restored by creating usable material or energy; or the waste is transformed into emissions to water or air, or into inert material placed in a landfill). This preface provides a route map for the journey the reader of this book will undertake. Who? Who are the intended readers of this book? Waste managers (whether in public service or private companies) will find a holistic approach for improving the environmental quality and the economic cost of managing waste. The book contains general principles based on cutting edge experience being developed across Europe. Detailed data and a computer model will enable operations managers to develop data-based improvements to their systems. Producers of waste will be better able to understand how their actions can influence the operation of environmentally improved waste management systems. Designers of products and packages will be better able to understand how their design criteria can improve the compatibility of their product or package with developing, environmentally improved waste management systems. Waste data specialists (whether in laboratories, consultancies or environmental managers of waste facilities) will see how the scope, quantity and quality of their data can be improved to help their colleagues design more effective waste management systems.

While strides are being made in the research and development of environmentally acceptable and more sustainable alternative fuels—including efforts to reduce emissions of air pollutants associated with combustion processes from electric power generation and vehicular transportation—fossil fuel resources are limited and may soon be on the verge of depletion in the near future. Measuring the correlation between quality of life, energy consumption, and the efficient utilization of energy, the *Handbook of Alternative Fuel Technologies*, Second Edition thoroughly examines the science and technology of alternative fuels and their processing technologies. It focuses specifically on environmental, technoeconomic, and socioeconomic issues associated with the use of alternative energy sources, such as sustainability, applicable technologies, modes of utilization, and impacts on society. Written with research and development scientists and engineers in mind, the material in this handbook provides a detailed description and an assessment of available and feasible technologies, environmental health and safety issues, governmental regulations, and issues and agendas for R&D. It also includes alternative energy networks for production, distribution, and consumption. What's New in This Edition: Contains several new chapters of emerging interest and updates various chapters throughout. Includes coverage of coal gasification and liquefaction, hydrogen technology and safety, shale fuel by hydraulic fracturing, ethanol from lignocellulosics, biodiesel, algae fuels, and energy from waste products. Covers statistics, current concerns, and future trends. A single-volume complete reference, the *Handbook of Alternative Fuel Technologies*, Second Edition contains relevant information on chemistry, tech-

nology, and novel approaches, as well as scientific foundations for further enhancements and breakthroughs. In addition to its purposes as a handbook for practicing scientists and engineers, it can also be used as a textbook or as a reference book on fuel science and engineering, energy and environment, chemical process design, and energy and environmental policy.

Teaching at Its Best This third edition of the best-selling handbook offers faculty at all levels an essential toolbox of hundreds of practical teaching techniques, formats, classroom activities, and exercises, all of which can be implemented immediately. This thoroughly revised edition includes the newest portrait of the Millennial student; current research from cognitive psychology; a focus on outcomes maps; the latest legal options on copyright issues; and how to best use new technology including wikis, blogs, podcasts, vodcasts, and clickers. Entirely new chapters include subjects such as matching teaching methods with learning outcomes, inquiry-guided learning, and using visuals to teach, and new sections address Felder and Silverman's Index of Learning Styles, SCALE-UP classrooms, multiple true-false test items, and much more. Praise for the Third Edition of *Teaching at Its Best* Everyone—veterans as well as novices—will profit from reading *Teaching at Its Best*, for it provides both theory and practical suggestions for handling all of the problems one encounters in teaching classes varying in size, ability, and motivation."—Wilbert McKeachie, Department of Psychology, University of Michigan, and coauthor, *McKeachie's Teaching Tips* This new edition of Dr. Nilson's book, with its completely updated material and several new topics, is an even more powerful collection of ideas and tools than the last.

What a great resource, especially for beginning teachers but also for us veterans!"—L. Dee Fink, author, *Creating Significant Learning Experiences* This third edition of *Teaching at Its Best* is successful at weaving the latest research on teaching and learning into what was already a thorough exploration of each topic. New information on how we learn, how students develop, and innovations in instructional strategies complement the solid foundation established in the first two editions."—Marilla D. Svinicki, Department of Psychology, The University of Texas, Austin, and coauthor, *McKeachie's Teaching Tips*

The Oxford Handbook of Qualitative Research presents a comprehensive overview of the field of qualitative research. It is intended for students of all levels, faculty, and researchers across the social sciences. The contributors represent some of the most influential and innovative researchers in the field as well as emerging scholars. This handbook provides a broad introduction to the field of qualitative research to those with little to no background in the subject, while simultaneously providing substantive contributions to the field that will be of interest to even the most experienced researchers. It serves as a user-friendly teaching tool suitable for a range of undergraduate or graduate courses, as well as individuals working on their thesis or other research projects. With a focus on methodological instruction, this volume offers both a retrospective and prospective view of the field. The first two sections explore the history of the field, ethics, and philosophical/theoretical approaches. The next three sections focus on the major methods of qualitative practice as well as newer approaches (such as arts-based research and internet research); area

studies often excluded (such as museum studies and disaster studies); and mixed methods and participatory methods (such as community-based research). The next section covers key issues including data analysis, interpretation, writing and assessment. The final section offers a commentary about politics and research and the move towards public scholarship.

The third volume of the collected works of Mihaly Csikszentmihalyi covers his work on the application of flow in areas that go beyond the field of leisure where the concept was first applied. Based on his personal experience with schooling and learning, as well as that of many others and contrary to what Cicero claimed, Csikszentmihalyi arrived at the conclusion that instead of taking pride in making the roots of knowledge as bitter as possible, we should try to make them sweeter. Just as flow became a popular and useful concept in voluntary activities, it could likewise be applied in education with the end result of young people being more likely to continue learning not just because they have to but because they want to. This volume brings together a number of articles in which Csikszentmihalyi develops ideas about how to make education and more generally the process of learning to live a good life, more enjoyable. Since theory is the mother of good practice, the first eleven chapters are devoted to theoretical reflections. Some are general and explore what it means to be a human being, what it means to be a person, when we look at life from the perspective of flow. Others are more narrowly focused on such topics as consumption, education, teaching and learning. They help laypeople reflect how they can arrange their lives in such a way as to leave a small ecological footprint while getting

the most enjoyment. The second section of the volume contains a dozen empirical articles on similar topics. They deal with the development of identity and self-worth; with the formation of goals and motivation; with loneliness and family life.

Therapists and other helping professionals, such as teachers, doctors and nurses, social workers, and clergy, work in highly demanding fields and can suffer from burnout, compassion fatigue, and secondary stress. This happens when they give more attention to their clients' well being than their own. Both students and practitioners in these fields will find this book an essential guide to striking an optimal balance between self-care and other-care. The authors describe the joys and hazards of the work, the long road from novice to senior practitioner, the essence of burnout, ways to maintain the professional and personal self, methods experts use to maintain vitality, and a self-care action plan. Vivid real-life examples and self-reflection questions will engage and motivate readers to think about their own work and ways to enhance their own resilience. Eloquenty written and supported by extensive research, helping professionals will find this a valuable resource both when a novice and when an experienced practitioner.

Collaboration between nonprofits and businesses is a necessary component of strategy and operations. *Creating Value in Nonprofit-Business Collaborations: New Thinking & Practice* provides breakthrough thinking about how to conceptualize and realize collaborative value. With over a hundred case examples from around the globe and hundreds of literature references, the book reveals how collaboration between businesses and

nonprofit organizations can most effectively co-create significant economic, social, and environmental value for society, organizations, and individuals. This essential resource features the groundbreaking Collaborative Value Creation framework that can be used for analyzing the sources, forms, and processes of value creation in partnerships between businesses and nonprofits. The book is a step-by-step guide for business managers and non-profit practitioners for achieving successful cross-sector partnerships. It examines the key dimensions of the Collaborative Mindset that shape each partner's collaborative efforts. It analyzes the drivers of partnership evolution along the Collaboration Continuum, and sets forth the key pathways in the Collaboration Process Value Chain. The book concludes by offering Twelve Smart Practices of Collaborative Value Creation for the design and management of cross sector partnerships. The book will empower organizations to strategically increase the potential for value creation both for the partners and society. Praise for *Creating Value in Nonprofit-Business Collaborations: New Thinking & Practice!* "This is a playbook for enabling business and nonprofits to co-create shared value. These new types of collaborations about creating value, rather than the tense standoffs of the past, are part of the way we will create actual solutions to society's challenges." Michael J. Porter, Bishop William Lawrence University Professor, Harvard Business School "Co-creating value is a powerful concept Jim Austin and May Seitanidi are sharing with us that will bring business and non-profit leaders to a new level of understanding and performance. This new book is the indispensable guidebook for leaders of the future." Frances Hesselbein, Founding President and CEO of the Frances Hessel-

bein Leadership Institute, Former CEO of the Girl Scouts of America, and Holder of Presidential Medal of Freedom "I love the book! While it focuses on "cross sector" collaboration, it should be read by every executive in the "for-profit" sector. Business is about how to collaborate with stakeholders to create value. This book tells you how to do it. Bravo!" R. Edward Freeman, University Professor and Ols-son Professor The Darden School University of Virginia "Finally a book that demystifies what is probably the single most indispensable strategy for advancing social change: cross sector collaboration that creates genuine, measurable value for all. The book is an original and valuable resource for both the nonprofit and business sectors, providing a promising new roadmap that shows how to go beyond fighting for one's share of the pie, to collaboration that actually makes the pie grow." Billy Shore, Founder and CEO of Share Our Strength and Chairman of Community Wealth Ventures "Professors Austin and Seitanidi provide essential guidance for managers determining how to produce benefits for their organizations and high impact for society. This is an informed, thoughtful, and practical analysis." Rosabeth Moss Kanter, Ernest L. Arbuckle Professor of Business Administration, Harvard Business School and author of *SuperCorp: How Vanguard Companies Create Innovation, Profits, Growth and Social Good*

"This step-by-step program opens the door to achieving emotional power. Instructions are given on how emotional literacy—intelligence with a heart—can be learned through practicing specific exercises that foster the awareness of emotion in oneself and others, by increasing capacities to love others and oneself while developing honesty, and by taking responsibility for one's actions. Provided

are instructions on how to reverse the dangerous self-destructive emotional patterns that can rule a person's life. This program shows individuals how to open their hearts and minds to honest and effective communication, how to survey the emotional landscape, and ultimately how to take responsibility for their emotional lives."

This book serves as a comprehensive resource on toxicants that can be released from food packaging materials and household plastics. Chapters include sources and levels of chemical exposure, known and suspected health effects and the identification of data gaps with recommendations for further research. In addition, regulatory approaches and risk assessment challenges in the United States and Europe are discussed. Chapters cover both the more widely known chemicals that can migrate from food packaging (bisphenol A, perfluorinated chemicals), and household plastics (lead, phthalates, brominated flame retardants), as well as chemicals that are just entering use in food packaging (nanomaterials in polymer food packaging) and chemicals recently identified as migrating from food packaging to food stuffs (phthalates, benzophenones, antimony, methylnaphthalene and the alkylphenols nonylphenol and octylphenol). Chapters on phthalates and brominated flame retardants discuss challenges that arise with the use of replacement chemicals. The health effect sections of chapters have drawn on a wide variety of toxicological endpoints and recommend approaches to better assess toxicological risks in vulnerable human populations. Reflecting the global nature of our food supply and household consumer goods, contributions have been drawn from international experts. A wide range of scientists will find this

book to be useful, including toxicologists, environmental health scientists, food scientists, and regulators.

Addressed to practitioners of healthcare administration, the book looks beyond traditional information systems. This text suggests how information systems can bring a competitive advantage to hospitals and other healthcare providers. Its viewpoint is neither technical nor clinical. Rather it is concerned with the role and the use of information in the provision of healthcare. The text is divided into several reader-friendly units, which allows the reader to quickly select only what he wants to study in depth. Divided into two sections, one dealing with support for the private practitioner, the other with managing an institution, the material spans a wide array of types of computers. This provides valuable instructional information for nurses, physicians and administrators using the computer as a tool for providing quality medical care.

Plasma technologies present an environmentally-friendly and versatile way of treating textile materials in order to enhance a variety of properties such as wettability, liquid repellency, dyeability and coating adhesion. Recent advances made in commercially viable plasma systems have greatly increased the potential of using plasma technology in industrial textile finishing. This pioneering book provides an essential guide to both the technology and science related to plasmas and its practical applications in the textile industry. The first part of the book discusses the science and technology behind plasmas. Chapters give detailed and comprehensive descriptions on the characteristics of plasmas and methods of control and treatment in the processing of textiles. Both low pressure

cold plasma and atmospheric pressure cold plasma processes are described as well as the diagnosis and control of plasma parameters in plasma generating reactors. A chapter is devoted to the use of plasma technology to achieve nanoscale treatment of textile surfaces. The second part of the book concentrates on specific applications of plasma technologies. Chapters cover treatments for water and oil repellency of textiles, engineering of biomedical textiles and woollen finishing techniques through the use of plasma technologies. Further chapters cover the modification of fibres for use in composites and the potential use of plasma technologies for the finishing of fabrics made of man made fibres. The final chapter in the book gives a comprehensive analysis of the surface chemical and physical characterisation of plasma treated fabrics. Written by a distinguished international team of experts, Plasma technologies for textiles is an invaluable reference for researchers, scientists and technologists alike. Summarises both the science and technology of plasma processing, and its practical applications Discusses how plasma technology improves textile properties such as wettability and liquid repelling An invaluable reference for researchers, scientists and technologists

Key concepts in mineralogy and petrology are explained alongside beautiful full-color illustrations, in this concisely written textbook.

An expert on nonverbal communication traces the evolutionary roots of most basic human emotions--anger, sadness, fear, disgust, and happiness--revealing how they evolved and became embedded in the human brain while showing how they are triggered in the body. Original. 15,000 first printing.

Now in its 15th edition, this groundbreaking human communication text equips students with the communication skills they need to be successful communicators. COMMUNICATE! engages students in active learning through theory, application and tools for practicing and assessing specific communication skills in interpersonal, intercultural, group, and public speaking settings, and in face-to-face and virtual environments. Skill-building exercises, including speech-plan action step activities, guide students through the speech preparation process. COMMUNICATE! provides lively contemporary examples and sample student speeches that ground theory, increase comprehension, and help students become skillful communicators. The role of ethics in communication is integrated throughout the text, as is the role of technology and social media. The chapters on listening (Ch. 6) and presentational aids (Ch. 13) have been significantly revised. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

In Antiracist Writing Assessment Ecologies, Asao B. Inoue theorizes classroom writing assessment as a complex system that is "more than" its interconnected elements. To explain how and why antiracist work in the writing classroom is vital to literacy learning, Inoue incorporates ideas about the white racial habitus that informs dominant discourses in the academy and other contexts.

Daniel Albero Santacreu presents a wide overview of certain aspects of the pottery analysis and summarizes most of the methodological and theoretical information currently applied in archaeology in order to develop wide and deep analysis of ceramic pastes. The book provides an adequate framework for understand-

ing the way pottery production is organised and clarifies the meaning and role of the pottery in archaeological and traditional societies. The goal of this book is to encourage reflection, especially by those researchers who face the analysis of ceramics for the first time, by providing a background for the generation of their own research and to formulate their own questions depending on their concerns and interests. The three-part structure of the book allows readers to move easily from the analysis of the

reality and ceramic material culture to the world of the ideas and theories and to develop a dialogue between data and their interpretation. Daniel Alberó Santacreu is a Lecturer Assistant in the University of the Balearic Islands, member of the Research Group Arqueo UIB and the Ceramic Petrology Group. He has carried out the analysis of ceramics from several prehistoric societies placed in the Western Mediterranean, as well as the study of handmade pottery from contemporary ethnic groups in Northeast Ghana.