

Encyclopedia Of Energy Encyclopedia Of Energy Ser

Macmillan Encyclopedia of Energy
 The Encyclopedia of Volcanoes
 Encyclopedia of Nuclear Energy
 Dictionary of Energy
 Encyclopedia of Energy
 Encyclopedia of Energy Engineering and Technology, Second Edition - Four Volume Set (Print)
 Nuclear Energy Encyclopedia
 Energy and Evolution
 Dictionary of Energy
 Encyclopedia of energy, natural resource and environmental economics
 Encyclopedia of Electrochemical Power Sources
 Life Energy Encyclopedia
 Energy from Organic Materials (Biomass)
 Nuclear Energy Encyclopedia
 Nuclear Energy
 Encyclopedia of Energy Engineering and Technology Second Edition -
 Encyclopedia of Renewable and Sustainable Materials
 Encyclopedia of Energy
 Encyclopedia of Energy: Ec-Ge
 Encyclopedia of the Anthropocene
 Encyclopedia of Energy, Natural Resource, and Environmental Economics
 Encyclopedia of Energy, Natural Resource, and Environmental Economics
 The Encyclopedia of Energy Medicine
 Encyclopedia of Sustainable Technologies
 Encyclopedia of Energy Technology and the Environment
 The Encyclopedia of Energy Medicine
 Energy Law, Climate Change and the Environment
 Encyclopedia of Mineral and Energy Policy
 Encyclopedia of Energy Storage
 Handbook of Energy
 Alternative Energy and Shale Gas Encyclopedia
 Encyclopedia of Energy
 Encyclopedia of Energy
 Encyclopedia of Mineral and Energy Policy
 Encyclopedia of Information Science and Technology
 Encyclopedia of Creativity
 McGraw-Hill Encyclopedia of Energy
 Encyclopedia of Renewable Energy
 Concise Encyclopedia of the History of Energy
 Encyclopedia of Atmospheric Sciences

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Macmillan Encyclopedia of Energy Edward Elgar Publishing

In recent years our usage and understanding of different types of energy has grown at a tremendous rate. The editor-in-chief, Cutler Cleveland, and his international team of associate editors have brought together approximately 400 authors to produce the Encyclopedia of Energy. This highly topical reference draws together all aspects of energy, covering a wealth of areas throughout the natural, social and engineering sciences. The Encyclopedia will provide easily accessible information about all aspects of energy, written by leading international authorities. It will not only be indispensable for academics, researchers, professionals and students, but also for policy makers, energy and environmental consultants, and all those working in business corporations and non-governmental organisations whose activities relate to energy and the environment. Also available online via ScienceDirect featuring extensive browsing, searching, and internal cross-referencing between articles in the work, plus dynamic linking to journal articles and abstract databases, making navigation flexible and easy. For more information, pricing options and availability visit www.info.sciencedirect.com. An invaluable resource for all academics, researchers, professionals and students either working in or conducting research in energy and related environmental fields An A-Z of energy, covering environmental and renewable energy through to fossil fuels and

nuclear power.

The Encyclopedia of Volcanoes Llewellyn Publications

This Encyclopedia provides a cutting-edge, up-to-date reference source on mineral and energy policies around the world. It offers information on GDP, population, investment scenarios and current environmental regulations in over one hundred thirty countries from 13 geographic regions around the world. It covers topics such as geo-conservation, deep mining technology as well as rare earth, green technology and international organizations that are actively involved in minerals and energy through exploration, arbitration, marketing and investment. Topical entries are presented alphabetically with extensive cross-referencing to ensure user-friendly reading. This Encyclopedia presents the work of more than 20 section editors and more than 100 international experts in the fields of mineral and energy policies. It is designed as a essential resource for researchers, students, libraries, industry, governments, and international organizations and presents a wealth of insights and guidance for corporate planning regarding exploration and financial investments, as well as for venture capitalist and international funding bodies. As such, it provides an indispensable point of reference for future research on mineral and energy policy.

Encyclopedia of Nuclear Energy MacMillan Publishing Company

The Dictionary of Energy, Second Edition is a comprehensive and authoritative reference on all aspects of energy and its role in society. Edited by Cutler J. Cleveland and Christopher Morris, the editors of Handbook of Energy, Volumes 1 and 2, this authoritative resource comes at a time when the

topic of energy prices, resources and environmental impacts are at the forefront of news stories and political discussions. The Second Edition of Dictionary of Energy contains over 10,000 terms, across 40 key subject areas in energy (e.g. solar, oil & gas, economics, models, policy, basic concepts, sustainable development, systems, renewable/alternative energy, water, etc), with additional window essays on key issues, such as Biomass, Ecological Footprint, Exergy, Fuel Cell, and Hybrid Vehicles. Dictionary of Energy, Second Edition is a valuable reference for undergraduate and graduate students, academics, and research scientists who study energy, as well as business corporations, professional firms, government agencies, foundations, and other groups whose activities relate to energy. - Comprises over 10,000 terms and definitions covering 40 scientific disciplines and topics - Window essays on subjects such as life cycle assessment, methane, and tragedy of the commons written by leading scientists in the field - Definitions are accompanied by photos and illustrations - Over 2,200 new or revised terms - Seventy-five percent of photos and illustrations either revised or new for this edition

Dictionary of Energy Elsevier

Encyclopedia of Renewable and Sustainable Materials, Five Volume Set provides a comprehensive overview, covering research and development on all aspects of renewable, recyclable and sustainable materials. The use of renewable and sustainable materials in building construction, the automotive sector, energy, textiles and others can create markets for agricultural products and additional revenue streams for farmers, as well as significantly reduce carbon dioxide (CO₂) emissions, manufacturing energy requirements, manufacturing costs and waste. This book provides researchers, students and professionals in materials science and engineering with tactics and information as they face increasingly complex challenges around the development, selection and use of construction and manufacturing materials. Covers a broad range of topics not available elsewhere in one resource Arranged thematically for ease of navigation Discusses key features on processing, use, application and the environmental benefits of renewable and sustainable materials Contains a special focus on sustainability that will lead to the reduction of carbon emissions and enhance protection of the natural environment with regard to sustainable materials

Encyclopedia of Energy Elsevier

This newly revised edition of The Encyclopedia of Energy Medicine is an expansive reference for laymen, students, and practitioners wishing to know more about energy healing practices. With newly added modalities, updated course listings, an improved list of energy medicine associations, and other fresh content, this comprehensive directory features dozens of different healing schools and programs in a field that is constantly growing and evolving. Linnie Thomas covers fifty-six energy healing modalities, such as Reflexology, Healing Touch, LomiLomi, Holotropic Breathwork, Thought Field Therapy, and others. She lists each therapeutic method, certification requirements for practitioners, descriptions of courses (including contact information), and codes of ethics, making it easy to find the information you need to explore these healing techniques for yourself.

Encyclopedia of Energy Engineering and Technology, Second Edition - Four Volume Set (Print) Academic Press

Nuclear Energy provides an authoritative reference on all aspects of the nuclear industry from fundamental reactor physics calculations to reactor design, nuclear fuel resources, nuclear fuel cycle, radiation detection and protection, and nuclear power economics. Featuring 19 peer-reviewed entries by recognized authorities in the field, this book provides comprehensive, streamlined coverage of fundamentals, current areas of research, and goals for the future. The chapters will appeal to undergraduate and graduate students, researchers, and energy industry experts.

Nuclear Energy Encyclopedia Springer

Using limited energy resources in sustainable ways, energy engineers and technologists have made our lives comfortable and affordable. However, due to an expanding world population, global energy resources are being increasingly strained. Considering this scenario, effective energy management, energy efficiency, and a significant use of renewable energy sources are key strategies for meeting global energy requirements. Energy managers, researchers, scholars, and policy makers need to know all aspects of energy engineering and technology to deal with current energy issues. The Encyclopedia of Energy Engineering and Technology, Second Edition - Four-Volume Set provides cutting-edge scientific and engineering knowledge of the planning, development, operation, and economics of energy systems. Written by leading experts in their specialties and reviewed by subject-matter authorities, each topical entry in this quintessential reference: Describes the concepts, technologies, and theories involved, explaining their importance Reviews the evidence and scientific basis for the theories, including the latest research Supplies real-world examples and/or case studies to ensure a practical understanding Offers a helpful summary, noting future trends and potential applications Contains references and recommendations for further reading An invaluable resource for professionals in academia, business, industry, and government, as well as undergraduate and graduate students in different academic disciplines, the Encyclopedia of Energy Engineering and Technology, Second Edition - Four-Volume Set presents a wealth of information on energy efficiency, renewable energy systems and technologies, the financial analysis of energy systems, energy economics, environmental regulations, sustainable development, green building, the use of nanotechnology to develop energy systems, energy storage, fuel cells, and more. Also Available Online This Taylor & Francis encyclopedia is also available through online subscription, offering a variety of extra benefits for researchers, students, and librarians, including: Citation tracking and alerts Active reference linking Saved searches and marked lists HTML and PDF format options Contact Taylor and Francis for more information or to inquire about subscription options and print/online combination packages. US: (Tel) 1.888.318.2367; (E-mail) e-reference@taylorandfrancis.com International: (Tel) +44 (0) 20 7017 6062; (E-mail) online.sales@tandf.co.uk

Energy and Evolution Elsevier

"This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

Dictionary of Energy Elsevier

Encyclopedia of Nuclear Energy provides a comprehensive and reliable overview of the many ways nuclear energy contributes to society. Comprised of four volumes, it includes topics such as generating clean electricity, improving medical diagnostics and cancer treatment, improving crop yields, improving food shelf-lives, and crucially, the deployment of nuclear energy as an alternative energy source, one that is proving to be essential in the management of global warming. Carefully structured into thematic sections, this encyclopedia brings together the vast and highly diversified

literature related to nuclear energy into a single resource, with convenient to read, cross-referenced chapters. This book will serve as an invaluable resource for researchers in the fields of energy, engineering, material science, chemistry, and physics, from both industry and academia. Offers a contemporary review of current nuclear energy research and insights into the future direction of the field, hence negating the need for individual searches across various databases Written by academics and practitioners from different fields to ensure that the knowledge within is easily understood by, and applicable to, a large audience Meticulously organized, with articles split into sections on key topics and clearly cross-referenced to allow students, researchers and professionals to quickly and easily find relevant information

Encyclopedia of energy, natural resource and environmental economics Elsevier

The A-to-Z reference resource for nuclear energy information A significant milestone in the history of nuclear technology, Nuclear Energy Encyclopedia: Science, Technology, and Applications is a comprehensive and authoritative reference guide written by a committee of the world's leading energy experts. The encyclopedia is packed with cutting-edge information about where nuclear energy science and technology came from, where they are today, and what the future may hold for this vital technology. Filled with figures, graphs, diagrams, formulas, and photographs, which accompany the short, easily digestible entries, the book is an accessible reference work for anyone with an interest in nuclear energy, and includes coverage of safety and environmental issues that are particularly topical in light of the Fukushima Daiichi incident. A definitive work on all aspects of the world's energy supply, the Nuclear Energy Encyclopedia brings together decades of knowledge about energy sources and technologies ranging from coal and oil, to biofuels and wind, and ultimately nuclear power.

Encyclopedia of Electrochemical Power Sources Salem Press Inc

A comprehensive look at a timely topic, these four volumes discuss the various aspects of energy in 600 easy-to-read essays. Plus, complimentary online access is provided through Salem Science.

Life Energy Encyclopedia Academic Press

At a time when the topic of energy prices, resources and environmental impacts are at the forefront of news stories and political discussions, we are pleased to announce the publication of the exciting new Dictionary of Energy. This authoritative resource, called "an essential reference for energy researchers" by Mark Jaccard, Director of the Energy and Materials Research Group at Simon Fraser University, covers all aspects of energy and its role in society. * Over 8,000 definitions spanning 40 scientific disciplines* More than 100 'window essays' written by experts, and covering topics of particular scientific, historical or social significance* Over 150 photos and illustrations Co-edited by Cutler J. Cleveland, the Editor-in-Chief of the widely-acclaimed Encyclopedia of Energy, and Christopher Morris, the Editor of the award-winning Academic Press Dictionary of Science and Technology. In a single volume this unique work provides a comprehensive and organized body of knowledge on what is certain to become an increasingly vital area of scientific study in the 21st century. • Contains over 8,000 clear and concise definitions on virtually every topic in energy, organised in 40 key subject areas • Includes more than 100 mini-essays on subjects of particularly topical interest • Compiled with expert input and advice from a board of outstanding scientists and leaders in the energy field

Energy from Organic Materials (Biomass) Newnes

This comprehensive reference is a state-of-the-art survey of biomass as an energy carrier for the provision of heat, electricity, and transportation fuel, considering technical, economic, environmental, and social aspects. On a global scale, biomass contributes roughly 12 to 16 % of the energy needed to cover the overall primary energy consumption. Thus far, it is humanity's most important source of renewable energy, used on practically all continents and growing in importance even in industrialized nations. With detailed coverage of the production of solid, gaseous and liquid fuels, as well as a final energy provision, this volume serves as an introduction for readers just entering the field, but also offers new insights, up-to-date information, as well as latest findings for advanced researchers, industry experts, and decision makers.

Nuclear Energy Encyclopedia Elsevier

Volcanoes are unquestionably one of the most spectacular and awe-inspiring features of the physical world. Our paradoxical fascination with them stems from their majestic beauty and powerful, sometimes deadly, destructiveness. Notwithstanding the tremendous advances in volcanology since ancient times, some of the mystery surrounding volcanic eruptions remains today. The Encyclopedia of Volcanoes summarizes our present knowledge of volcanoes; it provides a comprehensive source of information on the causes of volcanic eruptions and both the destructive and beneficial effects. The early chapters focus on the science of volcanism (melting of source rocks, ascent of magma, eruption processes, extraterrestrial volcanism, etc.). Later chapters discuss human interface with volcanoes, including the history of volcanology, geothermal energy resources, interaction with the oceans and atmosphere, health aspects of volcanism, mitigation of volcanic disasters, post-eruption ecology, and the impact of eruptions on organismal biodiversity. - Provides the only comprehensive reference work to cover all aspects of volcanology - Written by nearly 100 world experts in volcanology - Explores an integrated transition from the physical process of eruptions through hazards and risk, to the social face of volcanism, with an emphasis on how volcanoes have influenced and shaped society - Presents hundreds of color photographs, maps, charts and illustrations making this an aesthetically appealing reference - Glossary of 3,000 key terms with definitions of all key vocabulary items in the field is included

Nuclear Energy John Wiley & Sons

In every part of the world, already thousands of years ago, humans have speculated about some kind of life force. In China it is called qi (also spelled chi), in India prana, in ancient Greece pneuma, in Latin spiritus, and in Hebrew ruach. There are hundreds of life energy beliefs, which have many similarities. This encyclopedia presents and explains them all. In the introduction, distant origins of human thought are traced, examining how spiritual beliefs and life force ideas emerged, and how they were developed through time. Stefan Stenudd is an author and historian of ideas, who researches the thought patterns of myth in general and creation myths in particular. He is also a high-grade instructor of the peaceful and spiritual martial art aikido, since more than 40 years. Aikido, too, evolved from ideas of a life energy.

Encyclopedia of Energy Engineering and Technology Second Edition - John Wiley & Sons

Encyclopedia of Atmospheric Sciences, Second Edition, Six Volume Set is an authoritative resource covering all aspects of atmospheric sciences, including both theory and applications. With more than 320 articles and 1,600 figures and photographs, this revised version of the award-winning first

edition offers comprehensive coverage of this important field. The six volumes in this set contain broad-ranging articles on topics such as atmospheric chemistry, biogeochemical cycles, boundary layers, clouds, general circulation, global change, mesoscale meteorology, ozone, radar, satellite remote sensing, and weather prediction. The Encyclopedia is an ideal resource for academia, government, and industry in the fields of atmospheric, ocean, and environmental sciences. It is written at a level that allows undergraduate students to understand the material, while providing active researchers with the latest information in the field. Covers all aspects of atmospheric sciences—including both theory and applications Presents more than 320 articles and more than 1,600 figures and photographs Broad-ranging articles include topics such as atmospheric chemistry, biogeochemical cycles, boundary layers, clouds, general circulation, global change, mesoscale meteorology, ozone, radar, satellite remote sensing, and weather prediction An ideal resource for academia, government, and industry in the fields of atmospheric, ocean, and environmental sciences

Encyclopedia of Renewable and Sustainable Materials Academic Press

ENCYCLOPEDIA OF RENEWABLE ENERGY Written by a highly respected engineer and prolific author in the energy sector, this is the single most comprehensive, thorough, and up-to-date reference work on renewable energy. The world's energy industry is and has always been volatile, sometimes controversial, with wild swings upward and downward. This has, historically, been mostly because most of our energy has come from fossil fuels, which is a finite source of energy. Every so often, a technology comes along, like hydrofracturing, that is a game-changer. But is it, really? Aren't we just delaying the inevitable with these temporary price fixes The only REAL game-changer is renewable energy. For decades, renewable energy sources have been sought, developed, and studied. Sometimes wind is at the forefront, sometimes solar, and, for the last decade or so, there has been a surge in interest for biofeedstocks and biofuels. There are also the "old standbys" of nuclear and geothermal energy, which have both been around for a very long time. This groundbreaking new volume presents these topics and trends in an encyclopedic format, as a go-to reference for the engineer, scientist, student, or even layperson who works in the industry or is simply interested in the topic. Compiled by one of the world's best-known and respected energy engineers, this is the most comprehensive and up-to-date encyclopedia of renewable energy ever written, a must-have for any library. *Encyclopedia of Renewable Energy*: Is written in an encyclopedic style, covering every aspect of renewable energy, including wind, solar, and many other topics Offers a comprehensive coverage of the industry, from the chemical processes of biofeedstocks and biofuels to the machinery and equipment used in the production of fuel and power generation Is filled with workable examples and designs that are helpful for practical applications Covers the state of the art, an invaluable resource for any engineer Audience Engineers across a variety of industries, including wind, solar, process engineering, waste utilization for fuels, and many others, such as process engineers, chemical engineers, electrical engineers, petroleum engineers, civil engineers, and the technicians and other scientists who work in this field

Encyclopedia of Energy CreateSpace

The first edition of the successful *Encyclopedia of Creativity* served to establish the study of creativity is a field in itself. Now completely updated and revised in its second edition, coverage encompasses the definition of creativity, the development and expression of creativity across the lifespan, the environmental conditions that encourage or discourage creativity, creativity within specific disciplines like music, dance, film, art, literature, etc., the relationship of creativity and mental health, intelligence, and learning styles, and the process of being creative. This reference also appeals to a lay

audience with articles specifically on the application of creativity to business settings. Available online via ScienceDirect and in limited print release. Named a 2012 Outstanding Academic Title by the American Library Association's Choice publication Serves as a compendium of reviews of a number of domain-specific areas, such as acting, dance, expressive arts, film, food, music, religion, science, sports, theater, and writing. Creativity and education are examined in articles about thought processes, such as developmental trends in creative abilities and potentials, the enhancement of creativity, intelligence, knowledge, play, prodigies, programs and courses, talent and teaching creativity. Cognitive aspects of creativity can be investigated in articles about altered and transitional states, analogies, attention, cognitive style, divergent thinking, flow and optimal experience, metacognition, metaphors, problem-finding, problem-solving, and remote associates. Covers business and organizational creativity in articles about advertising with art, creative visuals, business/management, creativity coaching, creativity exercises, entrepreneurship, group dynamics, innovation, leadership, organizational culture, organizational development, teams, and training, among others. Explicitly examines the complex interrelationship between society and creativity in articles about awards, conformity and conventionality, the creative sector and class of society, cultural diversity, the dark side of creativity, East vs. West, networking, social psychology, war, zeitgeist, and others. Personal and interpersonal creativity is discussed in articles relating to collaboration, family, life stages, mentors, networking, personal creativity and self-actualization. Focuses on scientific information about creativity, there are also articles that discuss brain and neuropsychology, concepts of creativity, definitions of creativity, expertise, longitudinal studies, researching art, artists and art audiences, research methods, phenomenology research and qualitative research. Online version contains an additional 26 biographies of famously creative people

Encyclopedia of Energy: Ec-Ge Springer Science & Business Media

A comprehensive depository of all information relating to the scientific and technological aspects of Shale Gas and Alternative Energy Conveniently arranged by energy type including Shale Gas, Wind, Geothermal, Solar, and Hydropower Perfect first-stop reference for any scientist, engineer, or student looking for practical and applied energy information Emphasizes practical applications of existing technologies, from design and maintenance, to operating and troubleshooting of energy systems and equipment Features concise yet complete entries, making it easy for users to find the required information quickly, without the need to search through long articles

Encyclopedia of the Anthropocene John Wiley & Sons

Handbook of Energy, Volume II: Chronologies, Top Ten Lists, and Word Clouds draws together a comprehensive account of the energy field from the prestigious and award-winning authors of the *Encyclopedia of Energy* (2004), *The Dictionary of Energy, Expanded Edition* (2009), and the *Handbook of Energy, Volume I* (2013). *Handbook of Energy, Volume II* takes the wealth of information about historical aspects of energy spread across many books, journals, websites, disciplines, ideologies, and user communities and synthesizes the information in one central repository. This book meets the needs of a diverse readership working in energy, and serves as a vital method of communication among communities including colleges and universities, nongovernmental organizations, government agencies, consulting firms and research institutes of energy, environmental, and public policy issues. - Interdisciplinary coverage appropriate for scientists in environmental sciences, social and natural sciences, and engineering - Top Ten lists, written by prominent subject experts, provide personal reflections on key issues - Chronologies covering 40 different subject areas provide all the significant events in a given field from the geologic past to the present day