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Multimedia Technology and Enhanced Learning
 Algorithms: Advances in Research and Application: 2011 Edition
 Information and Communication Technology
 Advances in Synthesis Gas: Methods, Technologies and Applications
 Algorithms—Advances in Research and Application: 2012 Edition
 Iranian Journal of Science and Technology
 Encyclopedia of Business Analytics and Optimization
 Advances in Information Communication Technology and Computing
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 Science and Technology and the Future Development of Societies
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 Information and Communication Technology for Intelligent Systems (ICTIS 2017) - Volume 2
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 Membrane Technology for Water and Wastewater Treatment, Energy and Environment
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 Nanofluids and Mass Transfer
 Transport Properties of Polymeric Membranes
 Physicochemical and Enzymatic Modification of Gums
 Methanol
 Transactions of Mechanical Engineering
 Smart Trends in Information Technology and Computer Communications
 2022 30th International Conference on Electrical Engineering (ICEE)
 Issues in Robotics and Automation: 2013 Edition

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Multimedia Technology and Enhanced Learning Elsevier

This first volume in the Mosharaka for Research and Studies International Conference Proceedings series (P-MIC) contains peer-reviewed papers presented at the 1st International Congress on Engineering Technologies (EngiTek 2020). This event was held remotely on 16-18 June 2020, and hosted by the Faculty of Engineering, Jordan University of Science & Technology (Irbid, Jordan). The conference represented a major forum for professors, students, and professionals from all over the world to present their latest research results, and to exchange new ideas and practical experiences in the most cutting-edge areas of the field of engineering technologies. Topics covered include electrical engineering, computer science and electronics.

[Algorithms: Advances in Research and Application: 2011 Edition](#) Springer Science & Business Media

Asphaltene Deposition Control by Chemical Inhibitors: Theoretical and Practical Prospects is the

most advanced reference focused on chemical dispersants and inhibitors from both an experimental and modeling viewpoint. Adequate knowledge of the effective parameters in each treatment method, interactions, mechanisms and economic viewpoints involved in asphaltene treatment are crucial for future development, recovery forecast, and reserve prediction, hence this reference delivers on all these aspects. Sections cover the environmental impacts of asphaltene deposition, prevention methods, and experimental methods, both static and dynamic, to test the effectiveness of inhibitors on restricting asphaltene deposition. Rounding out with modeling methods used to simulate asphaltene-inhibitor interactions and a workflow to select suitable inhibitors by technical, economic and environmental considerations, this book will give today's engineers and researchers the right tool to mitigate formation damage in a sustainably responsible way. Focuses on inhibitors, mitigators and the interplay between the asphaltene-inhibitors Helps readers learn from experimental models and replicate treatments with screening workflows Includes case studies that help readers make sustainable and economically-sound decisions on treatments

Information and Communication Technology Gulf Professional Publishing

Algorithms—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Algorithms. The editors have built Algorithms—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Algorithms in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Algorithms—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

[Advances in Synthesis Gas: Methods, Technologies and Applications](#) Elsevier

Algorithms: Advances in Research and Application: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Algorithms. The editors have built Algorithms: Advances in Research and Application: 2011 Edition on the vast information

databases of ScholarlyNews.™ You can expect the information about Algorithms in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Algorithms: Advances in Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Algorithms—Advances in Research and Application: 2012 Edition Elsevier

Methanol: Science and Engineering provides a comprehensive review of the chemistry, properties, and current and potential uses and applications of methanol. Divided into four parts, the book begins with a detailed account of current production methods and their economics. The second part deals with the applications of methanol, providing useful insights into future applications. Modeling of the various reactor systems is covered in the next section, with final discussions in the book focusing on the economic and environmental impact of this chemical. Users will find this to be a must-have resource for all researchers and engineers studying alternative energy sources. Provides the latest developments on methanol research Reviews methanol production methods and their economics Outlines the use of methanol as an alternative green transportation fuel Includes new technologies and many new applications of methanol

Iranian Journal of Science and Technology Springer

This volume includes 73 papers presented at ICTIS 2017: Second International Conference on Information and Communication Technology for Intelligent Systems. The conference was held on 25th and 26th March 2017, in Ahmedabad, India and organized jointly by the Associated Chambers of Commerce and Industry of India (ASSOCHAM) Gujarat Chapter, the G R Foundation, the Association of Computer Machinery, Ahmedabad Chapter and supported by the Computer Society of India Division IV – Communication and Division V – Education and Research. The papers featured mainly focus on information and communications technology (ICT) and its applications in intelligent computing, cloud storage, data mining and software analysis. The fundamentals of various data analytics and algorithms discussed are useful to researchers in the field.

Encyclopedia of Business Analytics and Optimization Elsevier

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Advances in Information Communication Technology and Computing Società Editrice Esculapio

This volume includes 74 papers presented at ICTIS 2017: Second International Conference on Information and Communication Technology for Intelligent Systems. The conference was held on 25th and 26th March 2017, in Ahmedabad, India and organized jointly by the Associated Chambers of Commerce and Industry of India (ASSOCHAM) Gujarat Chapter, the G R Foundation, the Association of Computer Machinery, Ahmedabad Chapter and supported by the Computer Society of India Division IV – Communication and Division V – Education and Research. The papers featured mainly focus on information and communications technology (ICT) for computation, algorithms and data analytics. The fundamentals of various data analytics and algorithms discussed are useful to researchers in the field.

Proceedings of the 1st International Congress on Engineering Technologies Springer Nature

This two-volume set constitutes selected papers presented during the First First International Conference on Science, Engineering Management and Information Technology, SEMIT 2022, held virtually in Ankara, Turkey, in February 2-3, 2022 and in September 8-9, 2022. The 37 papers presented were carefully reviewed and selected from the 261 qualified submissions. The papers are organized in the following topical sections: application of computer science and technology in operations and supply chain management; advances of engineering technology and Artificial Intelligence in application management; human factors management systems based on information technology; technology-aided decision-making: systems, applications, and modern solutions.

Iranian Journal of Science and Technology Springer

In the recent decades, efficiency enhancement of refineries and chemical plants has been become a focus of research and development groups. Use of nanofluids in absorption, regeneration, liquid-liquid extraction and membrane processes can lead to mass transfer and heat transfer enhancement in processes which results in an increased efficiency in all these processes.

Nanofluids and Mass Transfer introduces the role of nanofluids in improving mass transfer phenomena and expressing their characteristics and properties. The book also covers the theory and modelling procedures in details and finally illustrates various applications of Nanofluids in mass transfer enhancement in various processes such as absorption, regeneration, liquid-liquid extraction and membrane processes and how can nanofluids increase mass transfer in processes. Introduces specifications of nanofluids and mechanisms of mass transfer enhancement by nanofluids in various mass transfer processes Discusses mass transfer enhancement in various mass transfer processes such as: absorption, regeneration, liquid-liquid extraction and membrane processes Offers modelling mass transfer and flow in nanofluids Challenges industrialization and scale up of nanofluids

Bioenergy Systems for the Future Springer

Issues in Robotics and Automation / 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Computing Information and Control. The editors have built Issues in Robotics and Automation: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Computing Information and Control in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Robotics and Automation: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Asphaltene Deposition Control by Chemical Inhibitors ScholarlyEditions

Thermal Methods, Volume Two, the latest release in the Enhanced Oil Recovery series, helps engineers focus on the latest developments in this fast-growing area. In the book, different techniques are described in addition to the latest technologies in data mining and hybrid processes. Supported field case studies are included to illustrate a bridge between research and practical applications, making it useful for both academics and practicing engineers. Structured to start with thermal concepts and steam flooding, the book's editors then advance to more complex content, guiding engineers into areas such as hybrid thermal methods and edgier technologies that bridge solar and nuclear energy. Supported by a full spectrum of contributors, this book gives petroleum engineers and researchers the latest research developments and field applications to drive innovation for the future of energy. Presents the latest understanding surrounding the updated research and practical applications specific to thermal enhanced oil recovery methods Provides an analysis of editors' research on available technology, including hybrid thermal-solvent processes and dual pipe configurations Teaches about additional methods, such as data mining applications, and economic and environmental considerations

Chaos Synchronization and Cryptography for Secure Communications: Applications for Encryption ScholarlyEditions

Realizing that water, energy and food are the three pillars to sustain the growth of human population in the future, this book deals with all the above aspects with particular emphasis on water and energy. In particular, the book addresses applications of membrane science and technology for water and wastewater treatment, energy and environment. Th Science and Technology and the Future Development of Societies Woodhead Publishing Provides a detailed look at the events and policies surrounding the Iranian space endeavor. For those who see the trend of progress and movement of the Iranian space endeavor from the outside, it can be difficult to understand what goes on behind the scenes. However, for one who observes these events firsthand, they take on a very different meaning. In this book, the author brings new and different profiles of Iran's space endeavor to light. Iran claims to be the ninth leading country in the world capable of manufacturing satellites and launching them, plans to land an astronaut on the Moon within a decade, and says its own president plans to be the first Iranian astronaut to travel into space. The author explains in this book that not all of these claims are quite as they seem. In addition to technical explanations, the book also includes historical, legal,

social and cultural aspects of Iran's space program as well. It is the author's goal to create a tangible feeling of Iran's space endeavor for the readers.

Gases: Advances in Research and Application: 2011 Edition Springer

Current Trends and Future Developments on (Bio-) Membranes: Silica Membranes: Preparation, Modelling, Application, and Commercialization discusses one of the most promising inorganic membranes, namely silica membranes, and their different applications. In the field of membrane separation technology, silica membranes play a key role in the future of the chemical industry as one of the most promising alternatives for separations at high temperatures and aggressive media. This book details the latest research findings, along with the potential industrial applications of an area that has seen growing research activity on various type of membranes due to the necessity of gas separation and water treatment processes. Many industrial companies and academic centers will find immense interest in learning about the best strategies for carrying out these processes. Reviews available methods for the characterization, preparation, and applications of silica membranes Includes new and emerging modeling methods Discusses silica membrane applications for hydrogen production and applications in CO2 capturing, water treatment, and pervaporation

Science, Engineering Management and Information Technology Springer

2022 30th International Conference on Electrical Engineering (ICEE)5th Conference on Information and Knowledge TechnologyIranian Mathematics Competitions 1973-2007Springer

5th Conference on Information and Knowledge Technology CRC Press

As the age of Big Data emerges, it becomes necessary to take the five dimensions of Big Data- volume, variety, velocity, volatility, and veracity- and focus these dimensions towards one critical emphasis - value. The Encyclopedia of Business Analytics and Optimization confronts the challenges of information retrieval in the age of Big Data by exploring recent advances in the areas of knowledge management, data visualization, interdisciplinary communication, and others. Through its critical approach and practical application, this book will be a must-have reference for any professional, leader, analyst, or manager interested in making the most of the knowledge resources at their disposal.

Sensing Technology Woodhead Publishing

Progresses in Ammonia: Science, Technology and Membranes: Decomposition considers the membrane technology for improving ammonia decomposition. Various aspects are considered, like: the catalytic extraction of hydrogen from ammonia, the recovery of hydrogen from ammonia production processes, the hydrogen production system combined with a membrane reactor from ammonia, highly purified hydrogen production from ammonia for PEM fuel cell, the carbon dioxide capture by aqueous ammonia with membrane, and the Ammonia decomposition in auto-thermal microchannel reactors). Mathematical simulation using the CFD model to investigate the effect of Ammonia decomposition is also discussed. Describes various methods and systems of ammonia decomposition Discusses methods of ammonia quality improvement and upgradation Covers different techniques of extracting/producing hydrogen from ammonia

Progresses in Ammonia: Science, Technology and Membranes Nam H Nguyen

This book constitutes the refereed proceedings of the First International Conference on Smart Trends in Information Technology and Computer Communications, SmartCom 2016, held in Jaipur, India, in August 2016. The 106 revised papers presented were carefully reviewed and selected from 469 submissions. The papers address issues on smart and secure systems; technologies for digital world; data centric approaches; applications for e-agriculture and e-health; products and IT innovations; research for knowledge computing.

10000 International & American Colleges and Universities Elsevier

In June 2006, seventeen scientists and educators selected by the National Academies, the Academy of Sciences of Iran, and the Académie des Sciences of France held a workshop at the estate of the Fondation des Treilles in Toutour, France, to discuss issues concerning the role of science in the development of modern societies. Science and Technology and the Future Development of Societies includes the presentations made at the workshop and summarizes the discussions that followed the presentations. Topics of the workshop included science and society issues, the role of science and engineering in development; obstacles and opportunities in the application of science and technology to development; scientific thinking of decision makers; management and utilization of scientific knowledge; and science, society, and education. This book also provides useful background for the further development of interactions of Western scientists and educators with Iranian specialists.

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