

Boletín DSI

A continuación les presentamos una selección de documentos que consideramos de interés para las actividades académicas que se realizan en el Centro. Para su realización se utilizaron las fuentes de información electrónica que conforma el acervo digital del CONRICYT, CIBERCIENCIA Y REBISS. El contenido fue seleccionado de acuerdo con los temas que tratan los diversos programas de estudio e investigación del Centro.

En algunas de las plataformas, se requiere crear una cuenta de acceso para visualizar el texto completo, por ejemplo: (EBL, Dawsonera), y en otras será mediante reconocimiento IP. En ambos casos el acceso se podrá realizar dentro de las instalaciones del CICY.

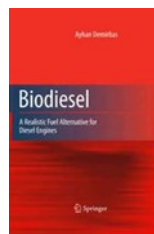
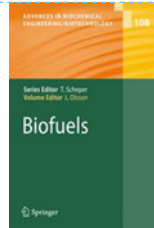
Nota:



Acceso al texto completo.
Dentro de las instalaciones del Centro

Contenido

Libros digitales de los siguiente temas: Biofuels, energy renewable, biodiesel, fuel cells. Selecciona la imagen y te direccionará al contenido.





BASE DE DATOS DE DISERTACIONES Y TESIS. DISTRIBUCIÓN TEMÁTICA DE PROQUEST DIS- SERTATIONS AND THESES

- Artes, negocios, humanidades y ciencias sociales
- Ciencias de la conducta, físicas y naturales
- 2.7 millones de citas de disertaciones y tesis desde 1637 a la fecha
- Colección de 1.4 millones de disertaciones de texto completo en formato PDF
- Más de 70,000 disertaciones y tesis en texto completo por asociaciones de publicación con 700 instituciones académicas de todo el mundo
- Disertaciones doctorales publicadas desde 1980
- Tesis de maestría publicadas desde 1988
- Acceso ilimitado a copias digitales de instituciones propias y copias asequibles de otras



Libros digitales de los siguiente temas: Biofuels, energy renewable, biodiesel, fuel cells,

LIBROS ELECTRÓNICOS

Accesa a los libros electrónicos del proveedor [EBL](#), solo tienes que *crear tu cuenta* y consulta la colección desde cualquier lugar del mundo.

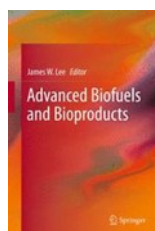


BIOFUELS



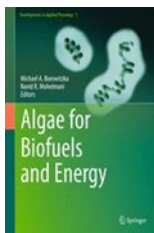
Advances in Biofuels

Ravindra Pogaku, Rosalam Hj. Sarbatly (2013)



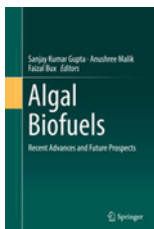
Advanced Biofuels and Bioproducts

James W. Lee (2013)



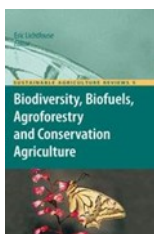
Algae for Biofuels and Energy

Michael A. Borowitzka, Navid R. Moheimani in Developments in Applied Phycology (2013)



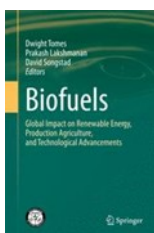
Algal Biofuels

Recent Advances and Future Prospects
Sanjay Kumar Gupta, Anushree Malik, Faizal Bux (2017)



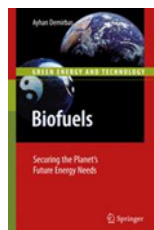
Biodiversity, Biofuels, Agroforestry and Conservation Agriculture

Eric Lichtfouse in Sustainable Agriculture Reviews (2011)



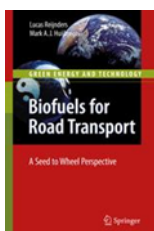
Biofuels

Global Impact on Renewable Energy, Production Agriculture, and Technological Advancements
Dwight Tomes, Prakash Lakshmanan, David Songstad (2011)



Biofuels

Securing the Planet's Future Energy Needs



Biofuels for Road Transport

A Seed to Wheel Perspective

SciFinder – CAS: BASE DE DATOS REFERENCIAL

CAS REGISTRYSM – sustancias químicas – más de 99 millones de sustancias químicas, estructura química, sustancias Markush, propiedades experimentales, etiquetado y espectro

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CHEMCATS® - catálogos de proveedores de sustancias son información de contacto

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[Tutorial para registrarse](#)
[Tutorial de uso](#)

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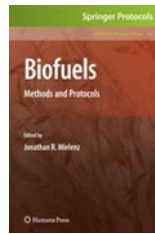
SCOPUS

Base de datos referencial. Vincula a texto completo cuando hay suscripción.

Cuando realizamos una búsqueda, obtenemos el listado de resultados donde aparecen las citas que han recibido los artículos.

Las búsquedas por autor también nos ofrecen el total de citas que ha recibido en sus trabajos publicados en las revistas indexadas y recopiladas en la base de datos de Scopus.

Scopus



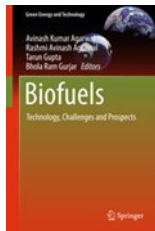
Biofuels

Methods and Protocols



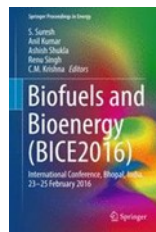
Biofuels

Lisbeth Olsson in Advances in Biochemical Engineering/Biotechnology (2007)



Biofuels

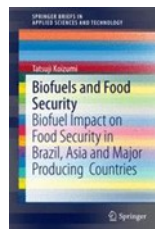
Technology, Challenges and Prospects



Biofuels and Bioenergy (BICE2016)

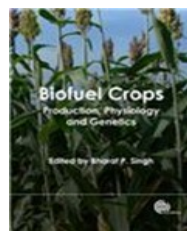
International Conference, Bhopal, India, 23-25 February 2016

S. Suresh, Anil Kumar, Ashish Shukla... in Springer



Biofuels and Food Security

Biofuel Impact on Food Security in Brazil, Asia and Major Producing Countries Tatsuji Koizumi in SpringerBriefs in Applied Sciences and Technology (2014)



Biofuel crops: production, physiology and genetics.

This book begins with a review of the history of biofuel. It contains chapters that are devoted to emerging technologies for biofuel production, cell wall structure and destructing approaches, cellulosic biofuel crops role in phytoremediation, and feedstock pretreatment methods. Detailed discussion ...

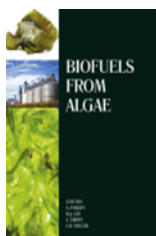
Author(s)

Singh, B. P.

ISBN

2013 CABI (H ISBN 9781845938857)

Type Book <http://www.cabi.org/cabebooks/ebook/20133196014>



Biofuels from Algae

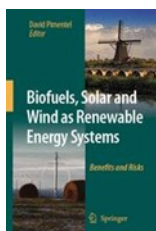
2014

Book



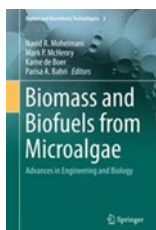
Biofuels in Brazil

Fundamental Aspects, Recent Developments, and Future Perspectives [Silvio Silvério da Silva](#), [Anuj Kumar Chandel](#) (2014)



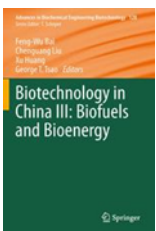
Biofuels, Solar and Wind as Renewable Energy Systems

Benefits and Risks
[David Pimentel](#) (2008)



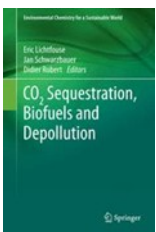
Biomass and Biofuels from Microalgae

Advances in Engineering and Biology
[Navid R. Moheimani](#), [Mark P. McHenry](#)... in [Biofuel and Biorefinery Technologies](#) (2015)



Biotechnology in China III: Biofuels and Bioenergy

[Feng-Wu Bai](#), [Chen-Guang Liu](#), [He Huang](#)... in [Advances in Biochemical Engineering Biotechnology](#) (2012)



CO2 Sequestration, Biofuels and Depollution

[Eric Lichtfouse](#), [Jan Schwarzbauer](#)... in [Environmental Chemistry for a Sustainable World](#) (2015)

GOOGLE SCHOLAR

Ofrece datos de citas de autores y de sus trabajos.

Busca en artículos de revistas, capítulos de libros, los resultados ofrecen información sobre el número de citas que ha recibido un trabajo entre los documentos que forman su base de datos.

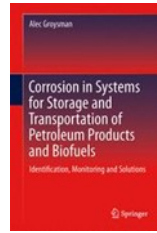
Permite administrar sus referencias, creando una cuenta de usuario.

Para buscar reseñas en Google Scholar se debe escribir la palabra reseña en el cuadro de búsqueda y poner el título del documento entre comillas ("")...



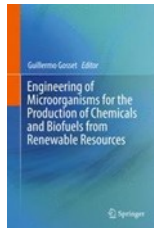
KNOVEL

Es una plataforma de distribución de libros electrónicos especializados en temas tecnológicos e industriales. La información que contiene corresponde a muy diversos sectores: química, bioquímica, biotecnología, alimentación, farmacia, ingeniería aeroespacial, civil, industrial, mecánica, eléctrica, electrónica, ambiental, energía, materiales, metalurgia, textiles y plásticos, etc. En muchos casos se trata de obras de referencia, handbooks y fuentes de datos fundamentales, algunas clásicas, en cada rama de la técnica.

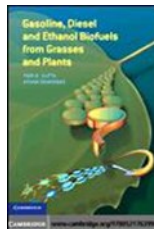


Corrosion in Systems for Storage and Transportation of Petroleum Products and Biofuels

Identification, Monitoring and Solutions Alec Groysman (2014)

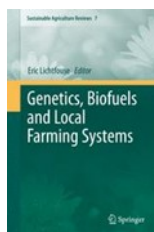


Engineering of Microorganisms for the Production of Chemicals and Biofuels from Renewable Resources GUILLERMO GOSSET (2017)



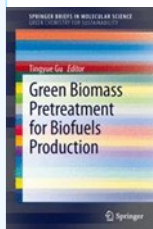
Gasoline, Diesel, and Ethanol Biofuels from Grasses and Plants

Gupta Ram B; Demirbas Ayhan, 2010 | Cambridge University Press **Available** This book introduces readers to second-generation biofuels obtained from non-food biomass, such as forest residue, agricultural residue, and waste wood.



Genetics, Biofuels and Local Farming Systems

Eric Lichtfouse in Sustainable Agriculture Reviews (2011)



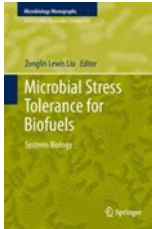
Green Biomass Pretreatment for Biofuels Production

Tingyue Gu in SpringerBriefs in Molecular Science (2013)



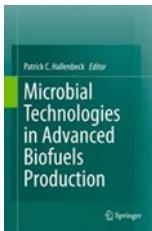
Liquid Biofuels: Emergence, Development and Prospects

Antonio Domingos Padula... in Lecture Notes in Energy (2014)



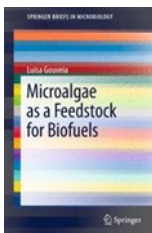
Microbial Stress Tolerance for Biofuels

Systems Biology
Zonglin Lewis Liu in Microbiology Monographs (2012)



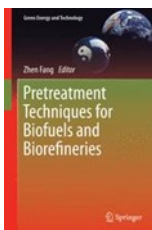
Microbial Technologies in Advanced Biofuels Production

Patrick C. Hallenbeck (2012)



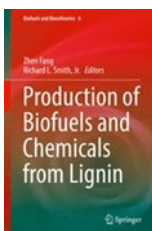
Microalgae as a Feedstock for Biofuels

Luisa Gouveia in SpringerBriefs in Microbiology (2011)



Pretreatment Techniques for Biofuels and Biorefineries

Zhen Fang in Green Energy and Technology (2013)



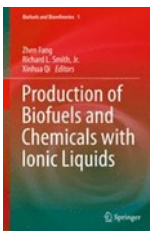
Production of Biofuels and Chemicals from Lignin

Zhen Fang, Richard L. Smith, Jr. in Biofuels and Biorefineries (2016)

GALE

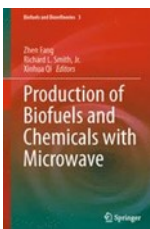
- Academic One File Unique (7,482 publicaciones periódicas indexadas)
 - Informe Académico (Más de 500 revistas, 70% son académicas y 30% de divulgación)
 - Global Issues in Context (Ofrece noticias, temas y eventos de importancia internacional)
- Lista de Recursos Formato HTML





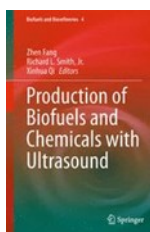
[Production of Biofuels and Chemicals with Ionic Liquids](#)

[Zhen Fang, Richard L. Smith, Jr...](#) in [Biofuels and Biorefineries](#) (2014)



[Production of Biofuels and Chemicals with Microwave](#)

[Zhen Fang, Richard L. Smith, Jr...](#) in [Biofuels and Biorefineries](#) (2015)



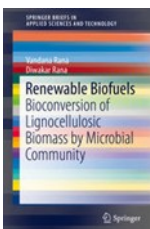
[Production of Biofuels and Chemicals with Ultrasound](#)

[Zhen Fang, Richard L. Smith, Jr...](#) in [Biofuels and Biorefineries](#) (2015)



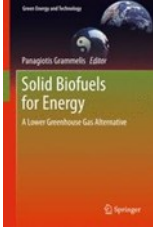
[Recycling of Solid Waste for Biofuels and Bio-chemicals](#)

[Obulisamy Parthiba Karthikeyan...](#) in [Environmental Footprints and Eco-design of Products and Processes](#) (2016)



[Renewable Biofuels](#)

[Bioconversion of Lignocellulosic Biomass by Microbial Community](#)
[Vandana Rana, Diwakar Rana](#) in [SpringerBriefs in Applied Sciences and Technology](#) (2017)



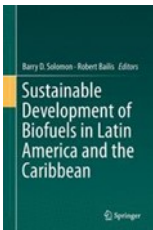
Solid Biofuels for Energy

A Lower Greenhouse Gas Alternative



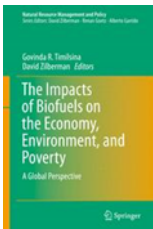
Sustainable Biofuels Development in India

Anuj K. Chandel, Rajeev K. Sukumaran (2017)



Sustainable Development of Biofuels in Latin America and the Caribbean

Barry D. Solomon, Robert Bailis (2014)



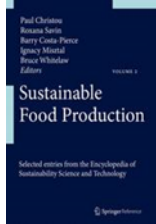
The Impacts of Biofuels on the Economy, Environment, and Poverty

A Global Perspective

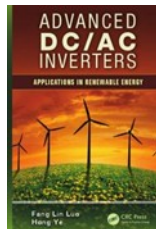
Govinda R. Timilsina, David Zilberman in Natural Resource Management



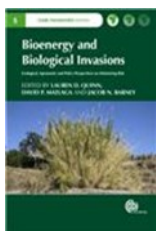
ENERGY RENEWABLE



- [Aquaculture and Renewable Energy Systems, Integration of /](#) Bela H. Buck
, Gesche Krause. [Sustainable Food Production](#) . pp 152-173



[Advanced DC/AC Inverters : Applications in Renewable Energy /](#) Luo, Fang Lin; Ye, Hong DC/AC inversion technology is of vital importance for industrial applications, including electrical vehicles and renewable energy systems, which require a large number of inverters. In recent years, inversion technology has developed rapidly, with new topologies improving the power factor and increasing power efficiency. Proposing many novel approaches, *Advanced DC/AC Inverters: Applications in Renewable Energy* describes advanced DC/AC inverters that can be used for renewable energy systems. The book introduces more than 100 ... [Show more](#)



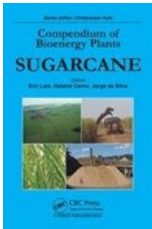
[Bioenergy and biological invasions: ecological, agronomic and policy perspectives on minimizing risk.](#)

This book contains 9 chapters focusing on the ecological, agronomic and policy perspectives on minimizing risk of bioenergy and biological invasions. Topics covered include potential risks of algae bioenergy feedstocks, gene flow and invasiveness in bioenergy systems, use of weed risk assessments...

Author(s)

Quinn, L. D.; Matlaga, D. P.; Barney, J. N.

ISBN



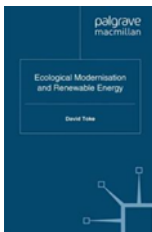
Compendium of Bioenergy Plants

Descripción

This volume of the Bioenergy Plants compendium contains a collection of chapters that focus on the history, economics, and practical sciences related to sugarcane. As one of the key biofuel crops in the world that is under large-scale cultivation, sugarcane is attracting interests for its ...

Paginas: 129

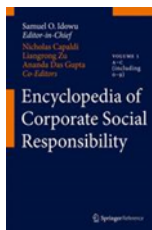
Autor: [Edited By Eric Lam, Helaine Carrer, Jorge A. Da Si...](#)



Ecological Modernisation and Renewable Energy / Toke, D..

Develops a new theory of 'identity' ecological modernization (EM), to analyse renewable history and policy development in many of the world's states which are leading the drive to install renewable energy. 'Identity EM' concerns how an industry has arisen allied to environmental NGOs to challenge the ascendancy of conventional energy technologies.

<http://www.cicy.ebib.com/patron/FullRecord.aspx?p=665674>

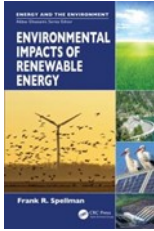


Reference Work Entry In depth

Energy: Renewable

[Prof. Aysen Muezzinoglu](#) in [Encyclopedia of Corporate Social Responsibility](#) (2013)

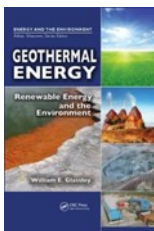
[Download PDF \(3080 KB\)](#)



Environmental Impacts of Renewable Energy /

Spellman, Frank R. Renewable Energy Has a Good Side and a Bad Side... Evaluate Both All energy sources affect the environment in which we live. While fossil fuels may essentially do more harm, renewable energy sources can also pose a threat to the environment. Allowing for the various renewable energy sources: solar, wind, hydro, biomass, and geothermal, Environmental Impacts of Renewable Energy examines the environmental effects of all available renewable or alternative sources, as they increasingly play a large part in our energy supply, and provides a ... [Show more](#)

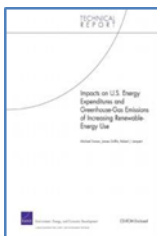
<http://www.cicy.ebib.com/patron/FullRecord.aspx?p=1741524>



Geothermal Energy : Renewable Energy and the Environment/

Glassley, William E.; Witcher, James; Nelson, Vaughn. Historically, cost effective, reliable, sustainable, and environmentally friendly, use of geothermal energy has been limited to areas where obvious surface features pointed to the presence of a shallow local heat source, such as hot springs and volcanoes. However, recent technological advances have dramatically expanded the range and size of viable resources, especially for applications such as modular power generation, home heating, and other applications that can use heat directly. These recent developments have greatly expanded ... [Show more](#)

<http://www.cicy.ebib.com/patron/FullRecord.aspx?p=565898>



Impacts on U.S. Energy Expenditures and Greenhouse-Gas Emissions of Increasing Renewable-Energy Use /

Toman, Michael; Griffin, James; Lempert, Robert J. The penetration of renewable energy into the marketplace has been small, held back principally by their higher cost relative to fossil energy. RAND assessed the potential impacts on U.S. consumer energy expenditures and national CO2 emissions of producing 25 percent of U.S. electric power and motor-vehicle transportation fuels from renewable resources by the year 2025. The baseline for the comparisons was expenditures and CO2 emissions in 2025 as drawn from the reference-case tables of the Energy Information Administration's 2006 ... [Show more](#)

<http://www.cicy.ebib.com/patron/FullRecord.aspx?p=425924>



Microbial biotechnology: energy and environment.

This book focuses on two key issues confronting humanity, viz., energy and environment. There is a need to devise strategies for protecting the environment, at the same time adequately meeting the ever-growing energy needs of the world. Harnessing the power of microbes is one step towards finding...

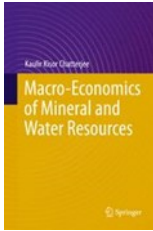
Author(s)

Rajesh Arora

ISBN

2012 CABI (H ISBN 9781845939564)

Type Book <http://www.cabi.org/cabebooks/ebook/20123375140>

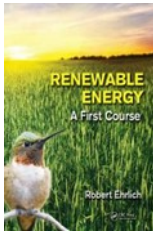


Chapter

[MINERALS AND ENERGY—RENEWABLE SOURCES](#)

The renewable sources of energy are of following types.

[Kaulir Kisor Chatterjee](#) in [Macro-Economics of Mineral and Water Resources](#) (2015)



[Renewable Energy : A First Course](#) / Ehrlich, Robert

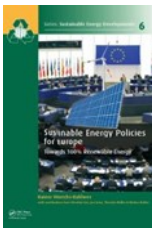
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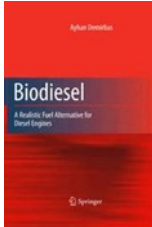


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Rainer. The discussion about energy perspectives beyond 2020, up to 2030 and eventually 2050 has started. There seems to be a verbal consensus on the necessity of ambitious climate change mitigation policies, without a convincing perspective of the necessary policy decisions to be reached in due time. Methods to achieve greenhouse gas reduction as well as energy security vary from aiming for 100% renewable energies and setting up appropriate policy frameworks to implementing a mix of renewables comprising so-called clean fossil and nuclear ... [Show more](#)



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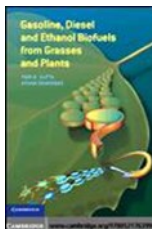
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Gupta Ram B; Demirbas Ayhan, 2010 | Cambridge University Press

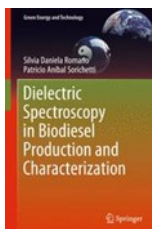


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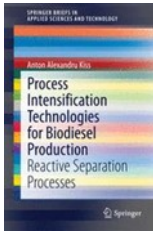
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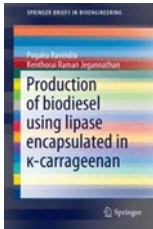
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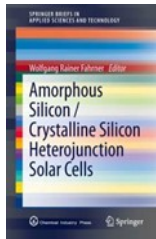
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FUEL CELLS

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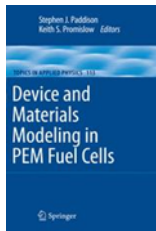
/ Fahrner, Wolfgang Rainer.



Amorphous Silicon/Crystalline Silicon Solar Cells deals with some typical properties of heterojunction solar cells, such as their history, the properties and the challenges of the cells, some important measurement tools, some simulation programs and a brief survey of the state of the art, aiming to provide an initial framework in this field and serve as a ready reference for all those interested in the subject. This book helps to “fill in the blanks” on heterojunction solar cells. Readers will receive a comprehensive overview of the ... [Show more](#)

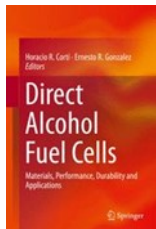
Device and Materials Modeling in PEM Fuel Cells

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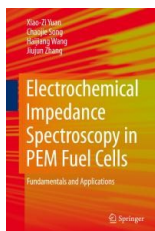
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Materials, Performance, Durability and Applications



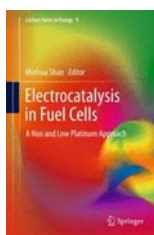
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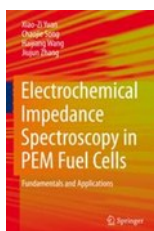
Zhang, Jiu-Jun. Fuel cells, as environmentally-friendly power generation devices, have been fully recognized by scientists, governments, and the public as a unique solution to several of the most important issues that we face today: diminishing supplies of fossil fuels, environmental pollution, and global warming. Electrochemical Impedance Spectroscopy in PEM Fuel Cells discusses one of the most powerful and useful diagnostic tools for various aspects of the study of fuel cells: electrochemical impedance spectroscopy (EIS). The increasing speed of ... [Show more](#)

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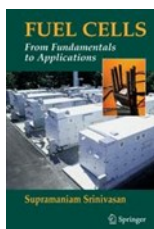
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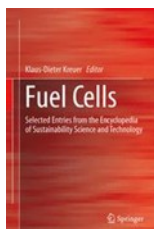
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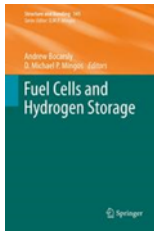
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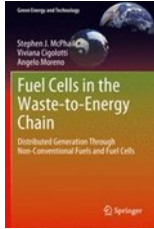
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FUEL CELLS IN THE WASTE-TO-ENERGY CHAIN

Distributed Generation Through Non-Conventional Fuels and Fuel Cells

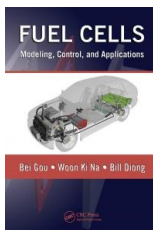
Stephen J. McPhail, Viviana Cigolotti... in Green Energy and Technology



Fuel Cell Micro-grids / Obara, Shin'ya Fuel Cell Micro-grids

describes an energy supply method based on a network of two or more proton exchange membrane fuel cells (PEM-FC). Such a network enables the effective use of exhaust heat, the simplification of the transmission network, the possibility of backup during disruptive hazards and the consideration of regional factors.

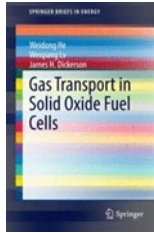
Furthermore, green energy and renewable energy systems can be connected to the network, to function in cooperation with the fuel cells. For these reasons, it is believed that an increasing number of ... [Show more](#)



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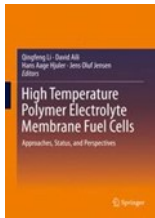
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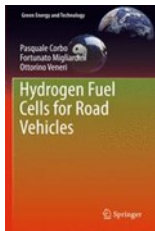
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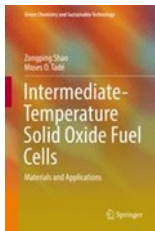
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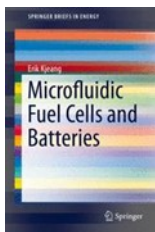
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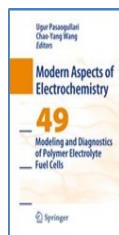
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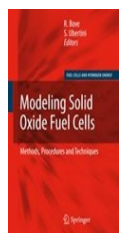
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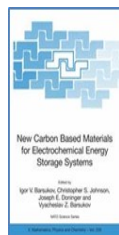
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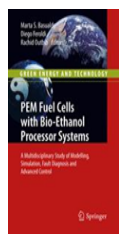
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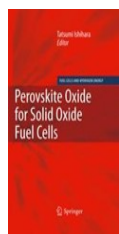
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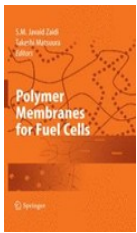
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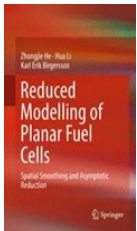
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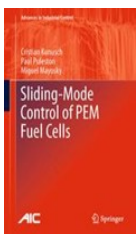
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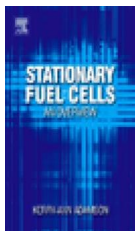
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