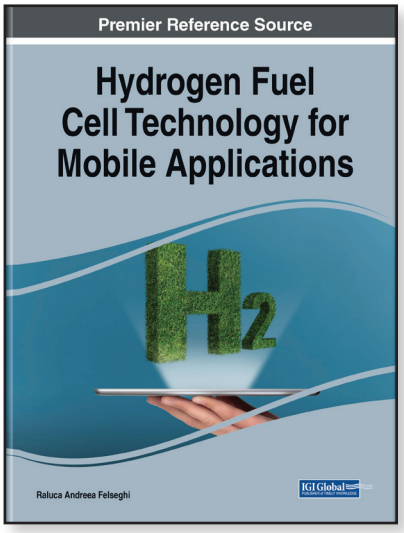
Hydrogen Fuel Cell Technology for Mobile Applications



Part of the Practice, Progress, and Proficiency in Sustainability Book Series

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Description:

Today, hydrogen is recognized as a non-polluting energy carrier because it does not contribute to global warming if it is produced from renewable sources. Hydrogen, focusing on the fact that hydrogen can be obtained from a wide range of primary energies, is the only secondary vector that lends itself to a wider application on the market. With the development of fuel cells, hydrogen-based energy generation becomes a reality, with hydrogen becoming an energy alternative worldwide. Because hydrogen can be produced from a wide range of primary energies and can be consumed in an increasing number of applications, it will become an energy center just as electricity is today. The world is on a brink of a new era characterized by advanced technologies and new fuels.

Hydrogen Fuel Cell Technology for Mobile Applications addresses the use of fuel cell technology for a sustainable future of mobile applications. The book presents the latest state-of-the-art research results and methodologies addressing the top concerns in the area of hydrogen fuel cell technology for mobile applications. Covering topics such as clean transportation, hydrogen safety issues, and performance improvement, this premier reference source is an excellent resource for scientists, fuel cell manufacturers, engineers, students and educators of higher education, researchers, and academicians.

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Topics Covered:

- Artificial Intelligence (AI)
- Clean Transportation
- Electric Vehicles
- Heat and Mass Transfer
- Hydrogen Fuel Cell Technology
- Hydrogen Safety Issues
- Hydrogen Storage Technologies
- Hydrogen-Based Civilization
- Mobile Applications
- Performance Improvement

Subject: Science and Engineering

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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