

Special Issue

Hydrogen Fuel Cell Electric Vehicles: Designs, Simulations, and Applications

Message from the Guest Editor

The purpose of this Special Issue in *Energies* is to gather and showcase these state-of-the-art advancements in hydrogen fuel cell vehicle technologies. These innovations hold the potential to revolutionize vehicle performance, optimize power system management, increase the vehicle operating range per charge, enable rapid acceleration, and ultimately lower the overall life cycle costs of these vehicles. However, the successful implementation of these technologies will also require the introduction of new regulations and economic approaches, as well as active involvement and collaboration with system users. By highlighting the latest developments in hydrogen fuel cell electric vehicles, this Special Issue aims to foster a cleaner and more sustainable future for the automotive industry. Through collaborative efforts and innovative solutions, we can pave the way towards a greener and more efficient transportation system that benefits both society and the environment.

Guest Editor

Dr. Ning Zhao

Department of Electronic, Electrical and Systems Engineering,
University of Birmingham, Birmingham B15 2TT, UK

Deadline for manuscript submissions

closed (31 August 2024)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/181004

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)