

## Special Issue

# Hydrogen Storage Materials for Hydrogen and Energy Carriers

### Message from the Guest Editor

The main topics of this issue will be the development of new materials and processes for hydrogen storage and energy carriers. Some of the topics proposed for the Special Issue are (but not limited to) the following:

- Materials for solid-state hydrogen storage for automotive or stationary applications
- Materials and processes for hydrogen compression
- Materials and processes for hydrogen production
- Hydrogen storage in liquid form
- Hydrogen storage in compressed gaseous form
- Metal hydrides for thermal energy storage
- Large-scale hydrogen storage
- Metal-organic frameworks for hydrogen storage
- 2D materials for hydrogen storage
- Theoretical study on hydrogen storage
- Thermal management of metal hydride tanks

---

### Guest Editor

Dr. Evangelos I. Gkanas

Institute for Future Transport and Cities, Coventry University, Priory Street, Coventry CV1 5FB, UK

---

### Deadline for manuscript submissions

closed (31 May 2020)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/33337](https://mdpi.com/si/33337)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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

[appls](https://appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, 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, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )