



## Hydrogen Storage in Metal Hydrides and Related Materials

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submissions:

**closed (20 March 2023)**

### Message from the Guest Editors

Hydrogen storage is currently one of the most challenging issues impeding the broad introduction of a hydrogen economy. Solid-state hydrogen-rich materials are considered promising storing media for releasing and absorbing gaseous hydrogen due to the high gravimetric and volumetric capacities they are able to reach.

The current special issue of *Materials* by MDPI focuses on metal-boron-nitrogen based hydrogen storage materials, which comprise various families of compounds and composites, including, amongst others, borohydrides, ammonia borane, amidoboranes and their derivatives. This selection of materials is justified by their very high hydrogen content and relatively low temperature of hydrogen desorption, which can be tuned by adjusting their cationic and anionic composition and doping. Attention will be directed to novel hydrogen-rich systems, their synthesis, characterization and possible applications. However, the Issue will not be limited to these topics, and related submissions are welcome.





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## Message from the Editor-in-Chief

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